KTS | Catalogue 2013



Cable support systems

THINK CONNECTED.

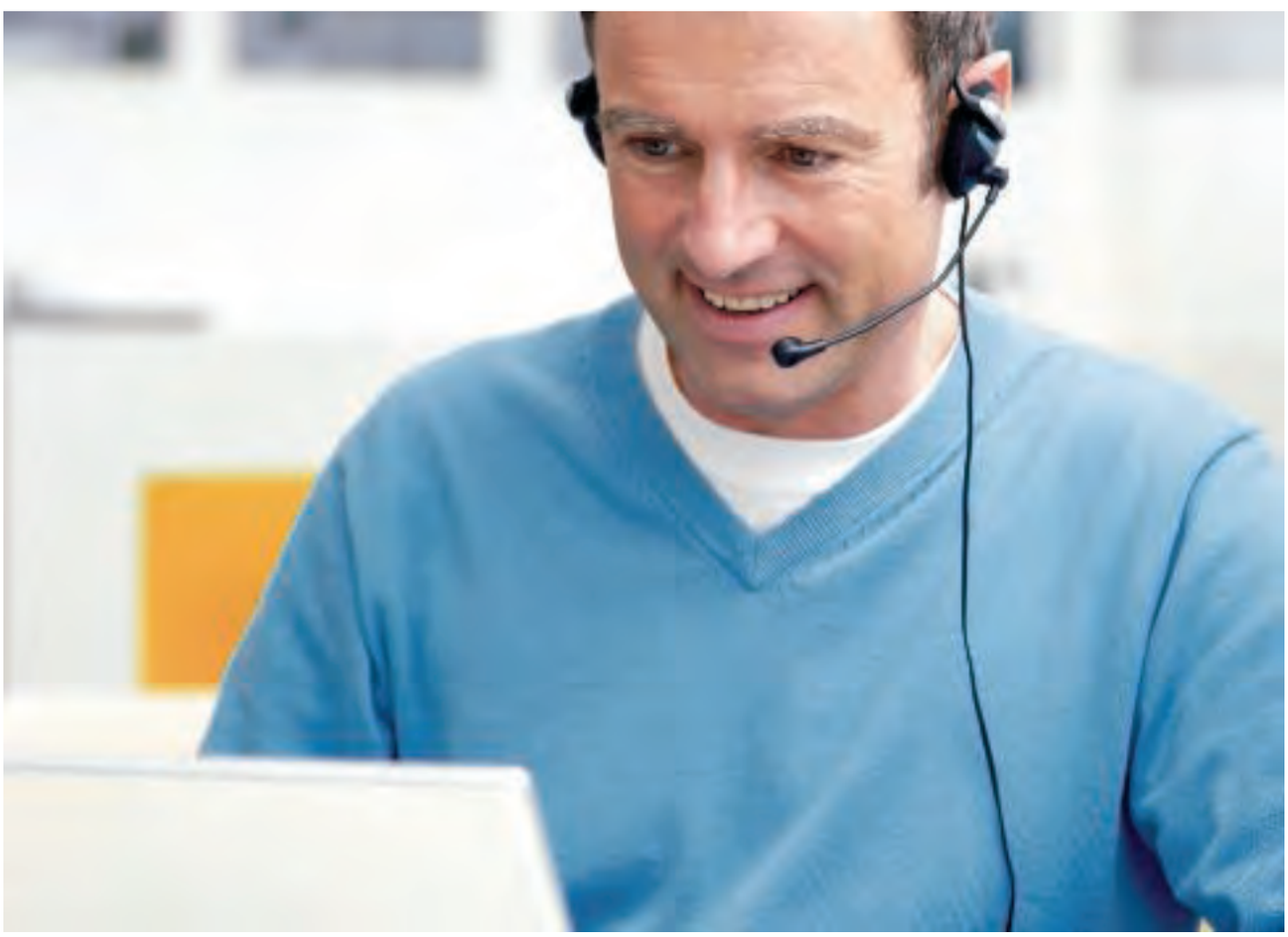
Service telephone: +49 (0)2373 89-1500

Telefax for enquiries: +49 (0)2373 89-7777

Fax for orders: +49 (0)2373 89-7755

E-mail: info@obo.de

Internet: www.obo-bettermann.com



Use the direct line to OBO Customer Service! We are available on our Service Hotline on +49 (0)2373 89-1500 from 7.30 a.m. to 5.00 p.m. for any questions to do with the OBO complete product range for electrical installations. The newly structured OBO Customer Service can offer you the full service:

- Competent contacts from your region
- All the information on the OBO product range
- Knowledgeable advice on special application topics
- Quick, direct access to all the technical data of the OBO products – we also want to provide the best in customer relations!

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contents

	Planning aid	5
	Mounting systems	157
	Fastening systems	211
	Cable tray systems	225
	Cable tray systems, walkable	275
	Mesh cable tray systems	283
	Cable ladder systems	305
	Wide span systems	327
	Vertical ladder systems	347
	Luminaire support systems	367
	Shipbuilding systems	381
	Modular systems	393
	Stainless steel systems, grade 304	401
	Stainless steel systems, grade 316	455
	Directories	485

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



OBO KTS seminars: First-hand knowledge

With a comprehensive range of training courses and seminars on cable support systems, OBO is able to provide users with first-hand support. Alongside the basic theoretical principles, the programme also deals with practical implementation in everyday applications. Special calculation and application examples round off the comprehensive programme of knowledge transfer.

Invitations to tender, product information and datasheets

We can make life easier for you, with our comprehensive selection of materials designed for practical applications, which provide you with effective support with the planning and calculation of a project. These include:

- Invitations to tender
- Product information
- Information sheets
- Datasheets

These documents are continually updated and can be downloaded at no charge at any time from the Internet download area at www.obo.de.

Invitations to tender on the Internet at www.ausschreiben.de

More than 10,000 entries from the KTS, BSS, TBS, LFS, EGS and UFS ranges can be called up free of charge. Regular updates and expansions mean that you always have a comprehensive overview of the OBO products. All the current file formats – PDF, DOC, GAEB, HTML, TEXT, XML, ÖNORM – are available.
www.ausschreiben.de

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contents of planning and mounting aids

	General planning aid	5
	Mounting systems	39
	Fastening systems	61
	Magic cable tray systems	67
	Cable tray systems, walkable	89
	Mesh cable tray systems	95
	Cable ladder systems	109
	Wide span systems	117
	Vertical ladder systems	127
	Luminaire support systems	133
	Modular systems	141
	Stainless steel systems	147
	Additional information	150

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

The new generation is there: OBO Construct Professional and OBO Construct Web



We have reinvented our Construct planning software: we have bundled all the electronic planning aids under the name OBO Construct.

Two versions

There are now two versions of OBO Construct: Construct Web and Construct Professional. They are now aligned to the different requirements of our customers and offer the following scope of service:

OBO Construct Professional

The completely new tool for professional users. The new multilingual AutoCAD plug-in is available in various languages and offers a wealth of benefits:

- Redesigned user dialogues
- Simplified operation
- Improved component depiction
- Individual adjustment of object display
- Completely new system (runs on 64-bit systems)
- Mass determination with additional materials
- Output of the mass determination in various formats (Excel, PDF, Text)
- Simple updates
- Importable and editable invitations to tender

OBO Construct Web

The Internet version for rapid help now no longer needs a CAD system and offers the following benefits:

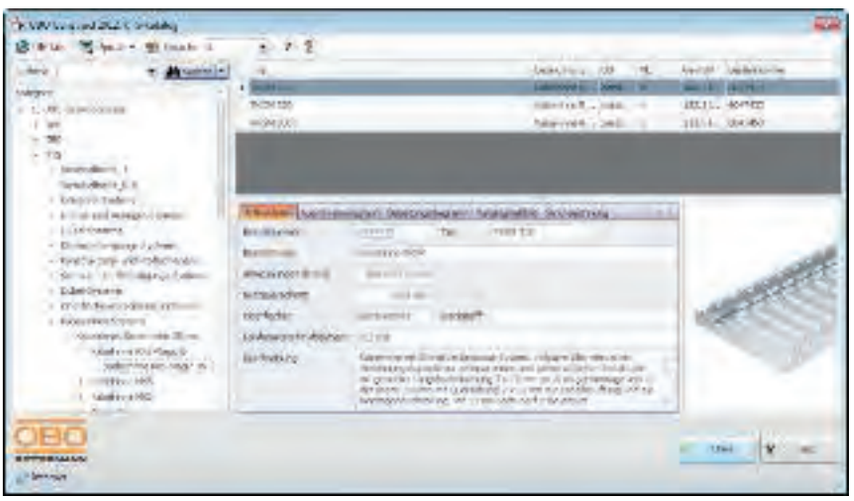
- Simple operation
- For quick and easy application
- Platform-independent
- No installation required
- Access possible from anywhere
- Option of saving project data
- Plans can be printed out as PDFs
- Exact mass determination in an Excel file
- Additional material bookable

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

OBO Construct KTS: Project planning, drawing, generation



Find out now
Convince yourself about the new OBO Construct: a new support and training concept makes it easier than ever for you to take your first steps. You can find additional information on the Internet or from our Customer Service.



AutoCAD is a registered trademark of Autodesk Incorporation, USA.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Standards, regulations and tests



Standardised work offers protection
OBO offers cable support systems made by professionals for professionals: The technical properties are guaranteed by DIN EN 61537 (follow-up to DIN VDE 0639). It describes all the relevant parameters – from the area of application, through test conditions, up to corrosion resistance and temperature classification. As a competent manufacturer of cable support systems, OBO subjects itself to these requirements on a daily basis. The tests described below guarantee the use of systems which fulfil the requirements of the systems.

Suitable protective clothing is required for safe handling during transport and processing.

CE-conformant
All products in this catalogue are CE-compliant in accordance with the appropriate EC directives. This also applies to standard parts such as bolts, washers and nuts that are components of various product systems. The appropriate EC declaration of conformity certifies agreement with the named directives or standards, but does not guarantee properties. The safety instructions in the supplied product information and the general safety regulations must be complied with during installation and use.

Testing, equipotential bonding/protective conductor
Cable support systems must possess sufficient conductivity. Only this can ensure that the equipotential bonding and the connection to the earth potential is sufficient. A reduction in conductivity is often the result of contact resistances at joints.
To keep these contact resistances to a minimum on the OBO cable support systems, during the development process we placed great emphasis on a stable connection, which is free of contact resistance. Of course, the developed systems were tested in the BET laboratory.
In this catalogue, the tested articles are marked with the test marks shown below. You can request the appropriate test reports at any time via our hotline.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Inclusion of the protective measures



Load tests for cable support systems

All the OBO articles and systems are subjected to practical load testing. The basic principles for the tests of OBO cable support systems are included in DIN EN 61537 and DIN VDE 0639. After the load test, the maximum load capacity can be determined for each component, depending on the support distances and specific article parameters, such as component dimensions. This is all shown in a chart, included with each component.

You can find additional information on the load tests for cable trays, brackets and suspended supports in this catalogue. The values given do not take resistance against environmental forces such as snow, wind and other outside influences into account.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Definition of electromagnetic compatibility (EMC)





In recent years, the use of electronic circuits has increased continually. Whether in industrial systems, medicine, households, in telecommunications systems or electrical building installations – everywhere, we see powerful electric equipment and systems, which switch ever greater currents, achieve greater radio ranges and transport ever more energy in smaller spaces.

However, the use of state-of-the-art technology means that the complexity of applications also increases. The consequence of this is that ever more opposing influences (electromagnetic interference) can occur from system parts and cables, causing damage and economic losses.

Here, we talk of electromagnetic compatibility.
Electromagnetic compatibility (EMC) is the ability of an electrical unit to function satisfactorily in its electromagnetic environment, without inappropriately influencing this environment, to which other units also belong (VDE 0870-1). In terms of standardisation, electromagnetic compatibility is dealt with by the EMC directive 2004/108/EC. This means that electrical resources emit electromagnetic interferences (emission), which are picked up by other devices or units (immission) which act as receivers (interference sink). This means that the function of an interference sink can be severely reduced, meaning, in the worst case, total failure and economic losses. The interferences can spread along cables or in the form of electromagnetic waves.

Path of faults

Fault source (transmitting emissions)	Coupling of interference variables (spreading of interference)	Fault sink (receiving emissions)
For example - Mobile telephones - Switching components - Ignition systems - Frequency converters - Lighting strike - Welding devices	- Galvanic - Inductive - Capacitive - Electromagnetic	- Process computer - Radio receiver systems - Controllers - Converters - Measuring units

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Guarantee of EMC



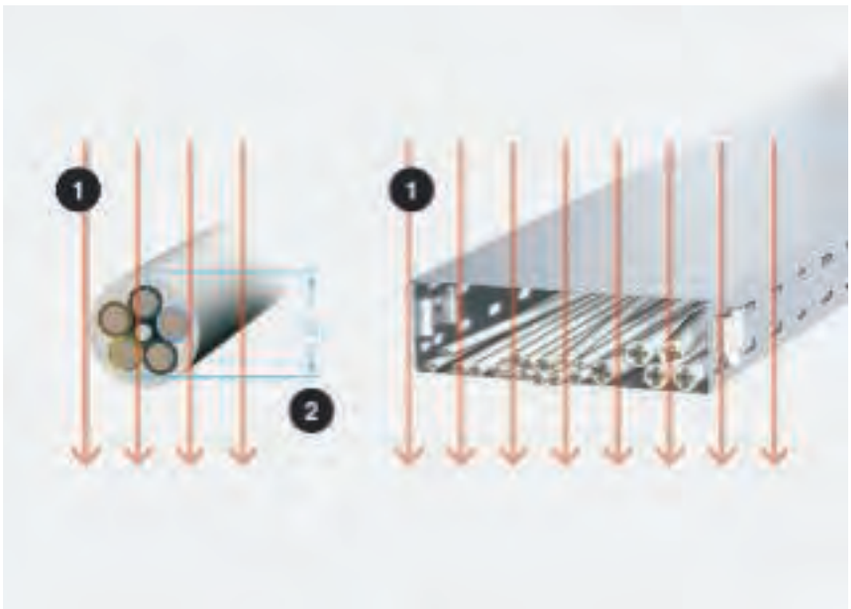
Guarantee of EMC
A systematic planning process is necessary to guarantee EMC. The interference sources must be identified and quantified. The coupling describes the spread of the interference from the interference source up to the influenced device, the interference sink. The task of EMC planning is to ensure the compatibility at the source, coupling path and sink using suitable measures. During their daily work, planners and installation engineers are confronted with this subject on an increasingly regular basis. This means that EMC is a basic factor to be taken into consideration during the planning of installations and cabling systems.
Due to the high complexity of electromagnetic compatibility, the problems of EMC must be analysed and solved using simplifying hypotheses and models as well as experiments and measurements.

Cable support systems and their contribution to EMC
Cable support systems can make an important contribution to the improvement of EMC. They are passive and can thus make a safe, long-lasting contribution to EMC through the fact that cables are run within cable support systems or are shielded by them. Routing cables inside cable support systems greatly reduces the galvanic decoupling and coupling due to electrical and magnetic fields in the cables. Thus cable support systems can make a contribution to the reduction of coupling from the source to the sink. The shielding action of cable support systems can be quantified by the coupling resistance and the shield attenuation. This gives the planner important engineering parameters for cable support systems for the EMC engineering.

Lightning discharge
From the analysis of the effectiveness of EMC in buildings (EN 62305-4), we know that lightning discharge is one of the greatest sources of interference to be expected. This causes a direct current feed into the entire equipotential bonding system in the building and/or to magnetic decoupling of interference currents in electrical cables. With regard to these couplings, cable support systems can offer an effective contribution to the reduction of interference voltages.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Magnetic shield insulation of cable support systems



The magnetic field (H) of strength 3 kA/m in a defined experimental setup: without cable support system on the left, with cable support system on the right. 1 = Field H, 2 = $V_{1\ LzuPE}$



The magnetic shield insulation of cable support systems is the ratio in decibels (dB) of an induced voltage into an unprotected cable to the induced voltage into the same cable, when this is in a cable support system.

Experimental structure to determine the magnetic shield insulation of cable support systems:
An unshielded cable (NYM-J 5 x 6 mm²) is subjected to an 8/20 magnetic field with a strength of 3 kA/m. Here, the induced voltage V1 is measured in the unshielded cable. The same cable is then positioned in the centre of a cable support system (once with a cover, once without) and subjected to the same magnetic field of 3 kA/m. Here, the induced voltage V2 is measured in the unshielded cable.
The magnetic shield insulation is calculated from the measured values according to the formula:
α_S = 20 log (V1/V2) dB

Experiment result:
The magnetic shield effect α_S of a cable support system could be clearly proved by the experiments and the simulation with an FEM program.
The best result of around 50 dB was achieved with cable support systems (cable trays) with covers.

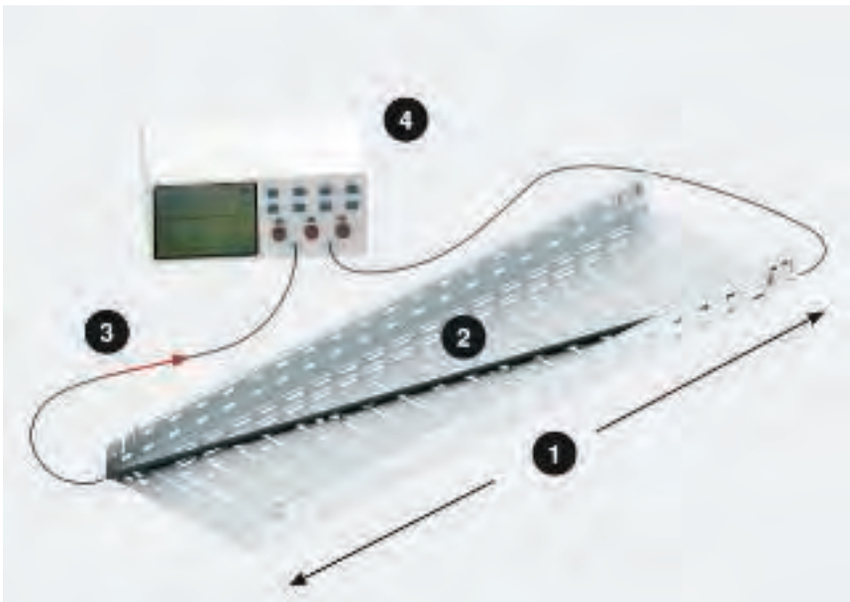
Note:
The shield insulation against electrical fields is almost perfect, like a Faraday cage.

Magnetic shield insulation 8/20 dB

Type, cable tray / cable ladder	Without cover	With cover
RKSM 630 FS	20	50
MKS 630 FS	20	50
MKS 630 FT	20	50
MKSU 630 FS	20	50
MKSU 630 FT	20	50
MKSU 630 VA	20	50
GRM 55/300 FS	15	25
LG 630 NS FT	10	15

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Transfer impedance of cable support systems



Experimental structure for transfer impedance: 1 = Length l, 2 = U, 3 = I, 4 = Pulse source 8/20



$$Z'_T = \frac{U_{Stör}}{I_{Stör} * L}$$

$V_{Interference}$: Interference voltage measured in cable

$I_{Interference}$: Interference current, fed into the shied from outside (KTS)

L: Length of the cable support system

Transfer impedance (coupling resistance) of cable support systems

The transfer impedance of a cable support system is the ratio of the measured voltage $V_{Interference}$, measured in the lengthwise direction within the cable support system, to the coupled current $I_{Interference}$.

The transfer impedance is determined in the same way as with the measurement of the electrical conductivity properties in Chapter 11.1. (DIN EN 61537).

If there is a lightning strike in a building, partial currents will flow through the entire equipotential bonding system.

Installed cables are best run within a cable support system. Installed cable support systems are always included in the equipotential bonding system. In so doing, the partial current flows via the cable support system. A very small component can therefore still flow along the cables laid within the cable support system. This component is determined by the transfer impedance of the cable support system.

The following applies for the transfer impedance: $Z_T = V_{Interference}/(I_{Interference} \times L)$ [mΩ/m]

The values given are based on measurements, in which a pulse current of the wave shape 8/20 was passed through a defined length of a cable support system.

Experiment result:

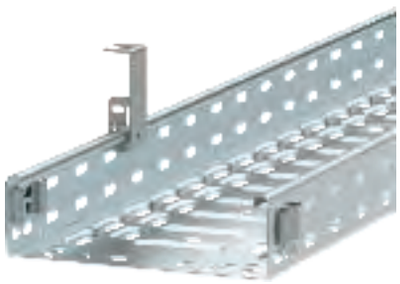
The effect of the cable support against galvanic coupling was clearly proved by the experiments! The best result was achieved with cable support systems (cable trays) with covers.

Transfer impedance 8/20 mOhm/m

Type, cable tray / cable ladder	Without cover	With cover
MKS 630 FS	1.14	0.71
MKS 630 FT	1.14	0.71
MKSU 630 FS	0.44	0.09
MKSU 630 FT	0.44	0.09
GRM 55/300 FS	6.17	5.5

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contact corrosion



Contact corrosion between twodifferent metals poses a consid-erable risk to the load capacityand lifespan of the componentsused.

Height of the potential difference
The level of contact corrosion is primarily determined by the level of the potential difference between the contact partners. Contact corrosion occurs at potential differences of 100 mV or greater and the anodic (electrically negative) partner is at risk of corrosion. Therefore, strongly non-precious metals should never be brought into contact with precious metals.

Additional contact corrosion criteria

- Level of electrical resistance between the contact partners. The higher the resistance, the lower the contact corrosion. Positive on Al and Ti.
- Occurrence of an electrolyte. An electrolyte, such as perspiration or condensate attacks the protective layers, increasing conductivity. Dirt increases this effect through released ions.
- Length of the impact of the electrolyte. The longer the electrolyte is at the work, the greater the corrosion will be.
- The surface ratios of the contact partners influence the current density. The best thing to have is a small surface ratio of the "precious" to the "less precious" contact partner.

Potential difference

Normal potential		Practical voltage series, water pH 6		Practical voltage series, artificial sea water pH 7.5	
Metal	mV	Metal	mV	Metal	mV
Copper	+340	Titanium	136	Nickel	1
Lead	-126	Brass MS 63	100	Brass MS 63	32
Tin	-140	Copper	94	Copper	-35
Nickel	-230	Nickel	73	RF steel 1.4301	-90
Iron	-440	RF steel	-129	Titanium	-156
Zinc	-763	Aluminium	-214	Lead	-304
Titanium	-1630	Hard chromium	-294	Hard chromium	-336
Aluminium	-1660	Tin 98	-320	Steel	-380
Magnesium	-2370	Lead 99.9	-328	Aluminium	-712
Steel	-395				
Zinc	-852				

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contact corrosion



Land climate

Material component (large)		Material construction element (small)					
OBO designation	Basic material Coating	FT	VA	AL	CU	MS	Za-mak
Steel, galvanised (FT, FS, DD, G)	DD11/Zn, S234(St37)/Zn, ST4-2/Zn, St500-2/Zn, StW22/Zn, DX51D/Zn	0	0	0	2	1	0
Stainless steel V2A, V4A, V5A	1.4301, 1.4310, 1.4401, 1.4404, 1.4571, 1.4529	0	0	1	1	1	0
Aluminium Al	AlMg3, AlMgSi0.5	0	0	0	2	1	0
Copper Cu	E-Cu S7, F24, Se-Cu(2.0070), SF-Cu F24, St50-2	1	1	1	0	1	2
Brass Ms1	CuZn39Pb3, CuZn40Pb2	0	1	1	1	0	2
Brass MS2	CuZn37	0	2	1	1	0	2
Die-cast zinc Zamak ZnAlCu1	Z410(GD-ZnAl4Cu1)	1	1	0	3	1	0

Legend
0 No risk for contact corrosion
1 Low risk
2 Risk in case of small area ration (area of non-precious metal / area of precious metal)
3 High risk

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contact corrosion



Industrial atmosphere

Material component (large)		Material construction element (small)					
OBO designation	Basic material Coating	FT	VA	AL	CU	MS	Zamak
Steel, galvanised (FT, FS, DD, G)	DD11/Zn, S234(St37)/Zn, ST4-2/Zn, St500-2/Zn, StW22/Zn, DX51D/Zn	0	0	1	3	2	0
Stainless steel V2A, V4A, V5A	1.4301, 1.4310, 1.4401, 1.4404, 1.4571, 1.4529	0	0	1	1	1	0
Aluminium Al	AlMg3, AlMgSi0.5	1	1	0	2	2	0
Copper Cu	E-Cu S7, F24, Se-Cu(2.0070), SF-Cu F24, St50-2	2	2	3	0	1	2
Brass Ms1	CuZn39Pb3, CuZn40Pb2	1	1	2	1	0	1
Brass MS2	CuZn37	1	1	3	1	0	1
Die-cast zinc Zamak ZnAlCu1	Z410(GD-ZnAl4Cu1)	0	0	0	3	2	0

Legend
0 No risk for contact corrosion
1 Low risk
2 Risk in case of small area ration (area of non-precious metal / area of precious metal)
3 High risk

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Contact corrosion



Sea climate

Material component (large)		Material construction element (small)					
OBO designation	Basic material Coating	FT	VA	AL	CU	MS	Za-mak
Steel, galvanised (FT, FS, DD, G)	DD11/Zn, S234(St37)/Zn, ST4-2/Zn, St500-2/Zn, StW22/Zn, DX51D/Zn	0	1	3	3	2	1
Stainless steel V2A, V4A, V5A	1.4301, 1.4310, 1.4401, 1.4404, 1.4571, 1.4529	1	0	3	1	1	0
Aluminium Al	AlMg3, AlMgSi0.5	3	1	0	2	2	0
Copper Cu	E-Cu S7, F24, Se-Cu(2.0070), SF-Cu F24, St50-2	2	2	3	0	1	2
Brass Ms1	CuZn39Pb3, CuZn40Pb2	1	1	3	1	0	1
Brass MS2	CuZn37	1	1	3	1	0	1
Die-cast zinc Zamak ZnAlCu1	Z410(GD-ZnAl4Cu1)	0	0	0	3	2	2

Legend
0 No risk for contact corrosion
1 Low risk
2 Risk in case of small area ration (area of non-precious metal / area of precious metal)
3 High risk

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surface testing and corrosion categories



Surface testing/salt spray mist test

All the system components must show sufficient resistance against corrosion in agreement with the KTS standard, DIN EN 61537. The minimum zinc layer thicknesses are determined through a measurement. The grouping into the appropriate class is located at the right of the table. The top of the table shows the area of application and the zinc loss to be expected according to DIN EN ISO 12944.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surface testing and corrosion categories

Corrosion categories to DIN EN ISO 12944

Corrosion category	Typical environment, inside	Typical environment, outside	Corrosion load	Average zinc loss
C 1	Heated buildings with neutral atmospheres, e.g. offices, shops, schools, hotels	-	Insignificant	<0.1 µm/a
C 2	Unheated buildings in which condensation can occur, e.g. warehouse, sports' halls	Atmosphere with low level of impurities. Often rural areas	Low	0.1 to 0.7 µm/a
C 3	Production facilities with a high level of humidity and some air impurities, e.g. plants for food production, laundries, breweries, dairies	City and industrial atmosphere, considerable impurities through sulphur dioxide, coastal areas with low salt load	Medium	0.7 to 2.1 µm/a
C 4	Chemical plants, swimming pools, boat sheds over seawater	Industrial areas and coastal areas with low salt load	Strong	2.1 to 4.2 µm/a
C 5-I	Buildings or areas with almost constant condensation and with high levels of impurities	Industrial areas with high levels of humidity and aggressive atmosphere	Very strong (industry)	4.2 to 8.4 µm/a
C 5-M	Buildings or areas with almost continuous condensation and with high levels of impurities	Coastal or offshore areas with salt load.	Very strong (sea)	> 4.2 to 8.4 µm/a

Classification of corrosion resistance (from the draft of DIN EN 61537)

Class	Reference material and surface treatment
0*	None
1	Electroplated to a minimum thickness of 5 µm
2	Electroplated to a minimum thickness of 12 µm
3	Pre-galvanised to 275 degrees according to EN 10327 and EN 10326
4	Pre-galvanised to 350 degrees according to EN 10327 and EN 10326
5	Galvanised to a zinc coating thickness of (minimum) 45 µm according to ISO 1461
6	Galvanised to a zinc coating thickness of (minimum) 55 µm according to ISO 1461
7	Galvanised to a zinc coating thickness of (minimum) 70 µm according to ISO 1461
8	Galvanised to a zinc coating thickness of (minimum) 85 µm according to ISO 1461 (usually high-alloy silicon steel)
9A	Rustproof steel, manufactured according to ASTM: A 240/A 240M - 95 a designation S30403 or EN 10088 degree 1-4301 without finishing **
9B	Rustproof steel, manufactured according to ASTM: A 240/A 240M - 95 a designation S31603 or EN 10088 degree 1-4301 without finishing
9C	Rustproof steel, manufactured according to ASTM: A 240/A 240M - 95 a designation S30403 or EN 10088 degree 1-4301 with finishing **
9D	Rustproof steel, manufactured according to ASTM: A 240/A 240M - 95 a designation S31603 or EN 10088 degree 1-4404 with finishing **

* For materials which do not have a declared corrosion resistance classification

** The end treatment process is used to improve the protection against crack corrosion and the contamination of other steels

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surfaces for use in internal areas



Whether indoors or outdoors, in aggressive atmospheres or under special hygienic conditions: OBO can offer the perfect surface and materials for your cable support system, no matter what the requirements may be. OBO cable support systems are machined from high-quality sheet steel or steel wire and are available with various surfaces. Different hardening and coating methods ensure tailor-made corrosion protection, specially tailored to the appropriate application. In addition, OBO cable support systems are available in stainless steel and with coloured coatings.

Indoor use

For applications in indoor areas, OBO can offer cable support systems with galvanisation or strip galvanisation. They are particularly suited to dry atmospheres without any impact from aggressive pollutants.

Electro-galvanisation

- Electrolytic galvanisation in accordance with DIN EN 12329
- Average coating thickness approx. 2.5–10 µm
- According to RoHS guideline

Components: Mesh cable trays and small parts such as bolts, washers and nuts

Strip galvanisation

- Hot-dip galvanised according to the strip-galvanising method in accordance with DIN EN 10346 (formerly DIN EN 10327)
- Average coating thickness approx. 20 µm
- Joints in the metal are protected by cathodic corrosion protection up to a thickness of 2.0 mm

Components: Metal products such as cable trays, fittings and barrier strips.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surfaces for use in external areas



Outdoor use
OBO can offer versions with hot-dip galvanisation and double-dip galvanisation for outdoor and wet - room use.

Hot-dip galvanisation
- Hot galvanisation using the dipping method according to DIN EN ISO 1461
- Coating thickness to DIN EN ISO 1461 approx. 40–60 µm
- Any interfaces added at a later date must also be galvanised to protect against corrosion

Components: Sheet steel products such as cable trays and welded components such as supports and brackets

Double-dip galvanisation
- Hot dipping with zinc-aluminium coating in accordance with DIN EN 10346
- Average coating thickness approx. 23 µm
- Joints in the metal are protected by cathodic corrosion protection up to a thickness of 2.0 mm

Components: Metal products such as covers, barrier strips and punched parts

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surfaces for use in tunnels, food or chemical industries



Applications: Tunnel construction, food or chemical industries
There are also OBO stainless steel systems for special hygiene and quality requirements for special visual criteria for open wiring.

SS304 stainless steel
- OBO Code: V2A
- European material number: 1.4301
- American material designation: 304
- Welded components are additionally passivated
- Unwelded components are rinsed and degreased

Components: V2A selection programme with the title "V2A stainless steel systems"

V4A stainless steel
- OBO Code: V4A
- European material number: 1.4571
- American material designation: 316 / 316 T
- Welded components are additionally passivated
- Unwelded components are rinsed and degreased

Components: V4A selection programme with the title "V4A stainless steel systems"

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Surfaces for special visual requirements or special environmental loads



Applications with specific optical requirements or special environmental conditions

Colour-coated cable support systems are becoming ever more popular. The coating may be required for optical reasons or for reasons of corrosion protection:

Colour coatings for reasons of corrosion protection

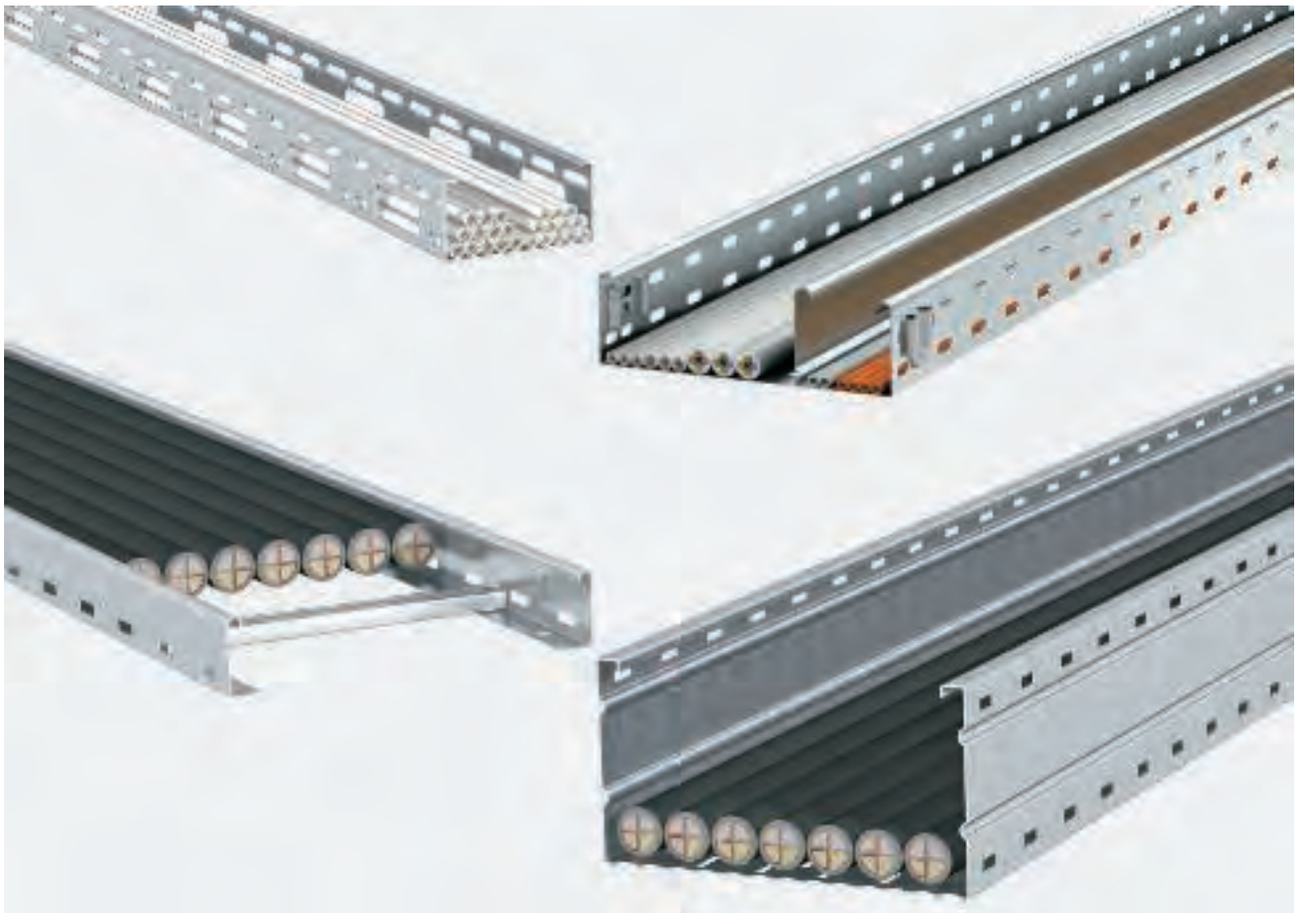
- Cable support system in FT (hot-dip galvanised version)
- All RAL colours available
- Coating of the visible surfaces and/or the complete system
- Suitable for the colour of the structure when routed openly
- Separation of different voltages/functions (e.g. blue 230/400 V power supply; red weak current such as telephone line and IT)



Colour-coated systems are not indicated specially in this catalogue. You can obtain details for these systems by contacting our telephone hotline on 011-378-3700

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Which cabling method is used?



Not all cables are the same. To select the perfect cable support system, you need to know which type of cables are to be laid: Are they sensitive data cables, which must be laid at a certain distance from each other on account of the necessary shielding? Or power cables, for which a not inconsiderable heat build-up must be allowed for? For all these applications OBO can offer tailor-made system solutions.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Universal cable trays
Areas of application: From low-voltage cabling to power supply.



Mesh cable trays for the installation of light cables
Areas of application: IT cabling, telephone cabling and control cables. Also suitable for use in false ceilings and cavity floors.



Cable ladders for power cables with a large cross-section
Areas of application: Cables and power conductors with large cross-sections. These can be fastened to the rungs using clamp clips. The high load capacity and good ventilation ensure perfect cable laying.



Wide span cable trays and ladders for large support distances
Areas of application: For installations in which the support distances are more than three metres, on account of the construction conditions.



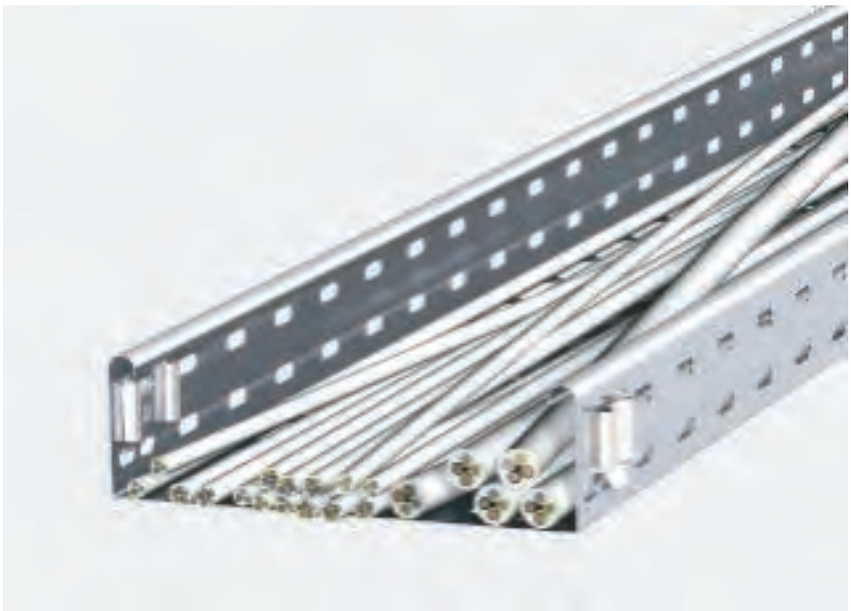
Modular system for special tasks
The product range that knows no bounds. The range of individually combinable products is particularly suited to complex installation tasks.



AZ channel for universal use
Areas of application: for luminaire support systems through to low-voltage cabling and power supply.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

How can I work out the volume of cables?



The usable cross-section of the cable simulates the cavity in real laying.





Cable diameter (1) and space required (2)

An important criteria for the selection of the correct cable support system is the cable volume, for which there must be sufficient space in the cable tray. As the cables are never packed tightly together or are absolutely parallel, it is not enough to base the volume calculation solely on the cable diameter. A realistic calculation is provided by the formula $(2r)^2$. To save you work, we have listed the diameter and usable cross-section of the most important cable types below.
Important: These values are average values, which may vary from manufacturer to manufacturer. Please refer to the manufacturer's specifications for the exact values.

Calculation with the formula $(2r)^2$
The diameter says little about the actual space required by a cable. Calculate: $(2r)^2$. This value reflects the realistic space requirements, including the compartments.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

How can I work out the volume of cables?



Insulated power cables

Type	Diameter mm	Usable cross-section cm²
1 x 4	6.5	0.42
1 x 6	7	0.49
1 x 10	8	0.64
1 x 16	9.5	0.9
1 x 25	12.5	1.56
3 x 1.5	8.5	0.72
3 x 2.5	9.5	0.9
3 x 4	11	1.21
4 x 1.5	9	0.81
4 x 2.5	10.5	1.1
4 x 4	12.5	1.56
4 x 6	13.5	1.82
4 x 10	16.5	2.72
4 x 16	19	3.61
4 x 25	23.5	5.52
4 x 35	26	6.76
5 x 1.5	9.5	0.9
5 x 2.5	11	1.21
5 x 4	13.5	1.82
5 x 6	14.5	2.1
5 x 10	18	3.24
5 x 16	21.5	4.62
5 x 25	26	6.76
7 x 1.5	10.5	1.1
7 x 2.5	13	1.69



Insulated power cables

Type	Diameter mm	Usable cross-section cm²
1 x 10	10.5	1.1
1 x 16	11.5	1.32
1 x 25	12.5	1.56
1 x 35	13.5	1.82
1 x 50	15.5	2.4
1 x 70	16.5	2.72
1 x 95	18.5	3.42
1 x 120	20.5	4.2
1 x 150	22.5	5.06
1 x 185	25	6.25
1 x 240	28	7.84
1 x 300	30	9
3 x 1.5	11.5	1.32
3 x 2.5	12.5	1.56
3 x 10	17.5	3.06
3 x 16	19.5	3.8
3 x 50	26	6.76
3 x 70	30	9
3 x 120	36	12.96
4 x 1.5	12.5	1.56
4 x 2.5	13.5	1.82
4 x 6	16.5	2.72
4 x 10	18.5	3.42
4 x 16	21.5	4.62
4 x 25	25.5	6.5
4 x 35	28	7.84
4 x 50	30	9
4 x 70	34	11.56
4 x 95	39	15.21
4 x 120	42	17.64
4 x 150	47	22
4 x 185	52	27
4 x 240	58	33.6
5 x 1.5	13.5	1.82
5 x 2.5	14.5	2.1
5 x 6	18.5	3.42
5 x 10	20.5	4.2
5 x 16	22.5	5.06
5 x 25	27.5	7.56
5 x 35	34	11.56
5 x 50	40	16



Telecommunications cables

Type	Diame-ter mm	Usable cross-section cm²
2 x 2 x 0.6	5	0.25
4 x 2 x 0.6	5.5	0.3
6 x 2 x 0.6	6.5	0.42
10 x 2 x 0.6	7.5	0.56
20 x 2 x 0.6	9	0.81
40 x 2 x 0.6	11	1.12
60 x 2 x 0.6	13	1.69
100 x 2 x 0.6	17	2.89
200 x 2 x 0.6	23	5.29
2 x 2 x 0.8	6	0.36
4 x 2 x 0.8	7	0.49
6 x 2 x 0.8	8.5	0.72
10 x 2 x 0.8	9.5	0.9
20 x 2 x 0.8	13	1.69
40 x 2 x 0.8	16.5	2.72
60 x 2 x 0.8	20	4
100 x 2 x 0.8	25.5	6.5
200 x 2 x 0.8	32	10.24



IT cables Type Cat...

Type	Diameter mm	Usable cross-section cm²
Cat. 5	8	0.64
Cat. 6	8	0.64



Coax cable (Standard)

Type	Diameter mm	Usable cross-section cm²
SAT/BK cable	6.8	0.48

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

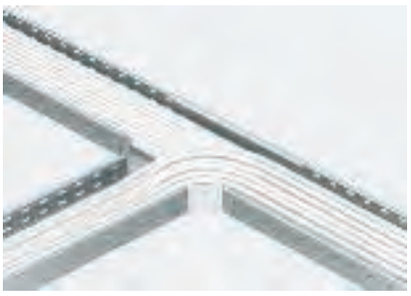
How can I find a system of the appropriate volume?



Cable height
The cable height may not exceed the edge height of the cable tray.



Volume reserve
When selecting the system, a volume reserve of at least 30% should be planned for possible later installations.



Branches
When dimensioning branches, the bending radii of the cables must be taken into account.



Separation of system levels
When selecting the volume, pay attention to the different conductors. To separate different voltage levels, you must take the required spacings into account.



Same usable cross-section, different requirements
The following table will help you to choose a cable support system of the right volume. It underlines the interplay of tray or ladder width, slant height and usable cross-section. The difference when laying the same volume of data and power cables should be taken into account: while it is possible to select a narrow, high tray for data cables, a wide, flat tray is necessary for power cables.



Examples
Flat, wide variant:
- e.g. for power cables
- Cable tray width: 300 mm
- Side rail height: 35 mm
- Usable cross-section: 103 cm^2

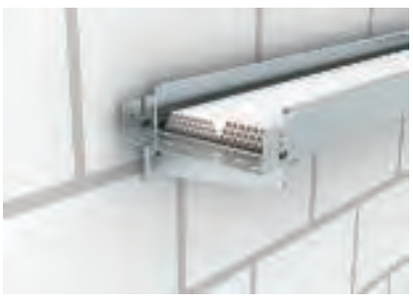
Narrow, high variant:
- e.g. for data cables
- Cable tray width: 100 mm
- Side height: 110 mm
- Usable cross-section: 108 cm^2

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Reference laying types



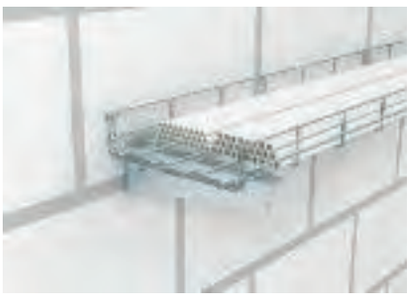
When selecting the correct system, also observe the current DIN/VDE standards (0298 T1 to T4). They provide information on the heating of conductors, depending on the amassment and the ambient temperature.



Reference laying type: C
Cable on unperforated cable tray, e.g. type MKSMU



Reference laying type: E or F
Cable on perforated cable tray, horizontal/vertical, e.g. type RKSM/MKSM



Reference laying type: E, F or G
Cable or installation cable on mesh cable trays, e.g. type GR-Magic

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

How do I calculate the cable weight?



100 mm = 15 kg/m



200 mm = 30 kg/m



300 mm = 45 kg/m



400 mm = 60 kg/m



500 mm = 75 kg/m



600 mm = 90 kg/m

Of equal significance for the selection of the cable support system most suited to the application is the load capacity of the system. This must be matched with the expected cable weight (including the reserve for later installation). There are three variants for determining the cable weight:

Variant 1: Orientation to experience values

The average load capacity of a cable tray can be calculated roughly using experience values. For a system with a strut height of 60 mm, a value of 15 kg per 100 mm width is valid for each metre of cable tray or cable ladder. However, more accurate than orientation to experience values is to calculate the cable load using the formula from DIN VDE 0639 Part 1 (Variant 2) or the manufacturer's specifications (Variant 3).

The graphics show the load capacities, based on experience values, of cable trays with a rail height of 60 mm, relative to cable tray widths of 100 to 600 mm.

Variant 2: Calculation formula according to VDE 0639 T1

To calculate a maximum approved cable load, DIN VDE 0639 Part 1 (cable support systems) can offer a formula.

In the example calculation, the maximum approved cable load for a cable tray is worked out using the dimension 60 mm x 300 mm and a usable cross-section of 178 cm².

Variant 3: Exact calculation according to manufacturer's specifications

Most cable manufacturers offer a very accurate method of calculating cable weights, and appropriate lists or tables can be obtained from them. Important: The tables only provide a rough overview. They are average values, which may vary from manufacturer to manufacturer. Please refer to the manufacturer's specifications for the exact values.

	0.028 N	
Cable load (F) =	**————**	**x Usable cross-section**
	m x mm²	

	0.028 N	
1. Cable load (F) =	**————**	**x 17,800 mm² = 500 N/m**
	m x mm²	

2. Conversion from Newtons (N) to kilogrammes (kg)
10 N ~ 1 kg – in our example, this means: 500 N/m = 50 kg/m

3. Maximum occurring load = 50 kg/m

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Actual cable weights of different cable types



Insulated power cables

Type	Cable load kg/m
1 x 4	0.08
1 x 6	0.105
1 x 10	0.155
1 x 16	0.23
1 x 25	0.33
3 x 1.5	0.135
3 x 2.5	0.19
3 x 4	0.265
4 x 1.5	0.16
4 x 2.5	0.23
4 x 4	0.33
4 x 6	0.46
4 x 10	0.69
4 x 16	1.09
4 x 25	1.64
4 x 35	2.09
5 x 1.5	0.19
5 x 2.5	0.27
5 x 4	0.41
5 x 6	0.54
5 x 10	0.85
5 x 16	1.35
5 x 25	1.99
7 x 1.5	0.235
7 x 2.5	0.35



Insulated power cables

Type	Cable load kg/m
1 x 10	0.18
1 x 16	0.24
1 x 25	0.35
1 x 35	0.46
1 x 50	0.6
1 x 70	0.8
1 x 95	1.1
1 x 120	1.35
1 x 150	1.65
1 x 185	2
1 x 240	2.6
1 x 300	3.2
3 x 1.5	0.19
3 x 2.5	0.24
3 x 10	0.58
3 x 16	0.81
3 x 50	1.8
3 x 70	2.4
3 x 120	4
4 x 1.5	0.22
4 x 2.5	0.29
4 x 6	0.4
4 x 16	1.05
4 x 25	1.6
4 x 35	1.75
4 x 50	2.3
4 x 70	3.1
4 x 95	4.2
4 x 120	5.2
4 x 150	6.4
4 x 185	8.05
4 x 240	11
5 x 1.5	0.27
5 x 2.5	0.35
5 x 6	0.61
5 x 10	0.88
5 x 16	1.25
5 x 25	1.95
5 x 35	2.4
5 x 50	3.5



Telecommunications cables

Type	Cable load kg/m
2 x 2 x 0.6	0.03
4 x 2 x 0.6	0.035
6 x 2 x 0.6	0.05
10 x 2 x 0.6	0.065
20 x 2 x 0.6	0.11
40 x 2 x 0.6	0.2
60 x 2 x 0.6	0.275
100 x 2 x 0.6	0.445
200 x 2 x 0.6	0.87
2 x 2 x 0.8	0.04
4 x 2 x 0.8	0.055
6 x 2 x 0.8	0.08
10 x 2 x 0.8	0.115
20 x 2 x 0.8	0.205
40 x 2 x 0.8	0.38
60 x 2 x 0.8	0.54
100 x 2 x 0.8	0.875
200 x 2 x 0.8	1.79



IT cables Type Cat...

Type	Cable load kg/m
Cat. 5	0.06
Cat. 6	0.06

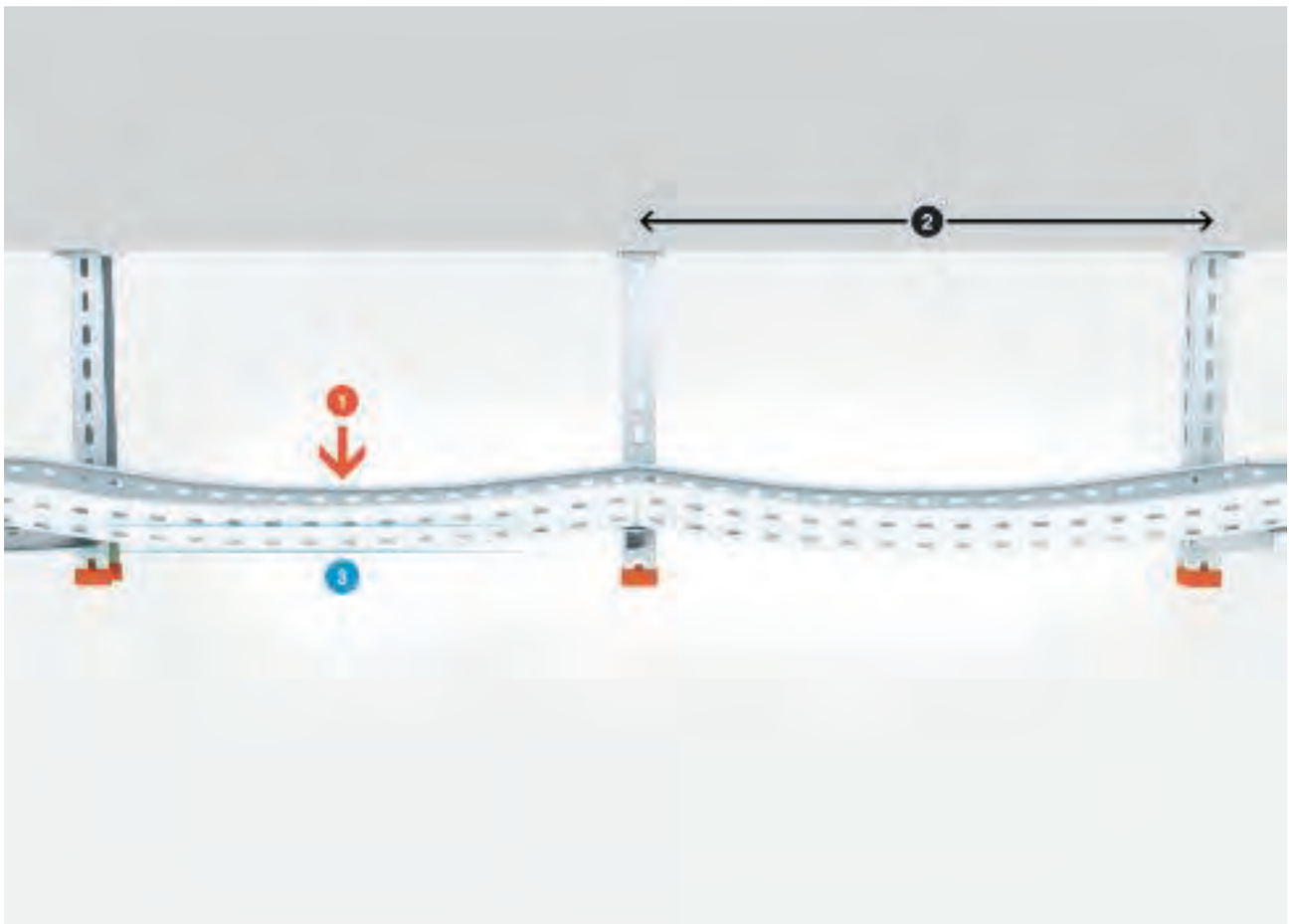


Coax cable (Standard)

Type	Cable load kg/m
SAT/BK cable	0.06

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Which trays and ladders can support which cable load?



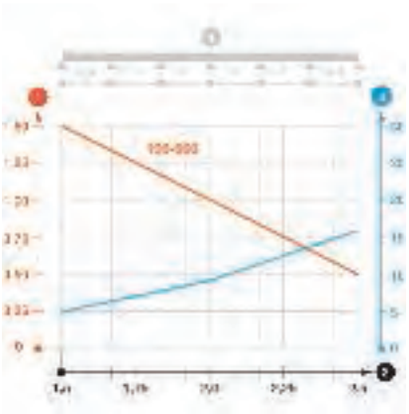
Explanation of the pictograms: 1 = load in kN without man load, 2 = support width in m, 3 = strut bend in mm

Load tests for cable support systems

All the OBO articles and systems are subjected to practical load testing. The basic principles for the tests of OBO cable support systems are included in DIN EN 61537 and DIN VDE 0639. After the load test, the maximum load capacity can be determined for each component, depending on the support distances and specific article parameters, such as component dimensions. This is shown in a diagram, included with each component.

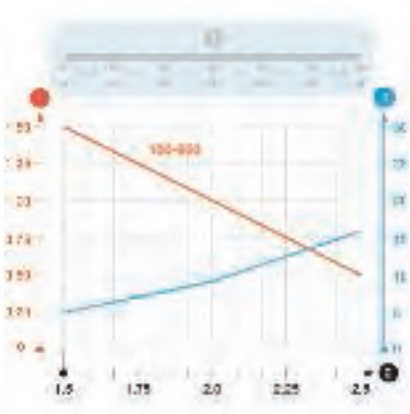
You can find additional information on the load tests for cable trays, brackets and suspended supports in this catalogue. The values given do not take resistance against environmental forces such as snow, wind and other outside influences into account.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



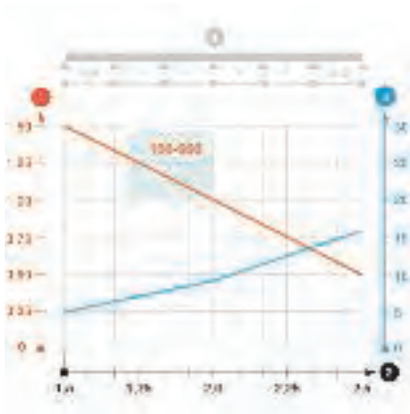
Load diagram, legend

1 = Load in kN/m without man load
2 = Support width in m
3 = Strut bending in mm
4 = Schematic diagram of the support widths for testing method
– = Approved load for the different tray widths depending on the support spacing
– = Rail bend according to the support width



Information 1: The testing process

The basic principles of the tests of OBO cable support systems is VDE 0639 Part 1 and DIN EN 61537. The purpose of the tests is to determine the maximum load capacities for each component, depending on parameters such as component width, support spacing, etc. and to present this in a diagram to be included with each component. The area highlighted in blue in the above example schematises the experiment setup with a variable support spacing (L) in the central area and a factor of 0.8 x L at the front and rear ends of the cable tray.

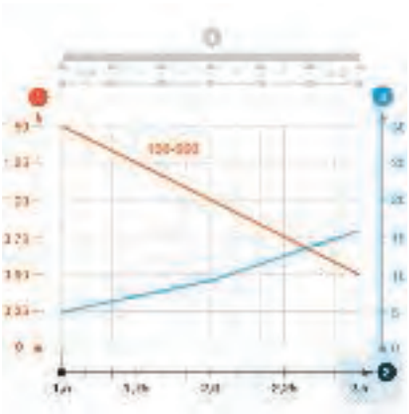


Information 2: Load curves for selected cable tray or cable ladder widths

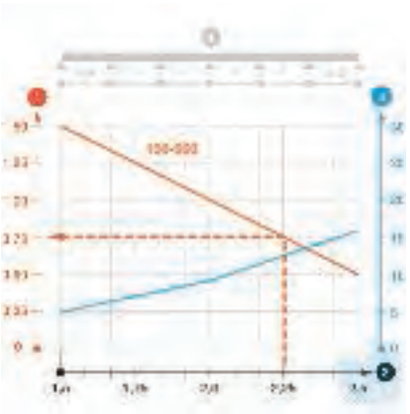
The load capacity of the cable trays according to the support width can be read off in the diagram using the load curves – this is an example for a cable tray for the tray widths 100 to 600 mm. It may occur that, in the load curves, width differences must be made, allowing multiple curves to be visible simultaneously in the diagram. A key factor for the load capacity of the cable trays is, beside the support spacing and side height, the material thickness, which varies according to type.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

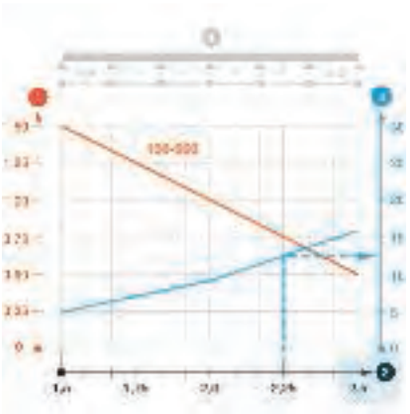
Which trays and ladders can support which cable load?



Information 3: Possible support spacings
The theoretically possible spans for the cable tray can be read off on the axis at the foot of the table. Using the load curves, it is easy to read off to what extent the load capacity of the system falls as the support spacing grows. On all OBO cable support systems (with the exception of the wide span trays), we recommend not exceeding a support spacing of 1.5 m, if possible.



Information 4: Ratio: load/span
Which load is possible at which support spacing? With the diagram, you can find the appropriate information at a glance. In our example (with the blue background) a span of 2.25 m for the tray produces a maximum load capacity of 0.75 kN for each running metre of cable tray. Please note that, in this example, the volume of the cable tray may exceed the permitted load. Therefore, if at all possible, do not exceed the support spacing of 1.5 m, as recommended by OBO.

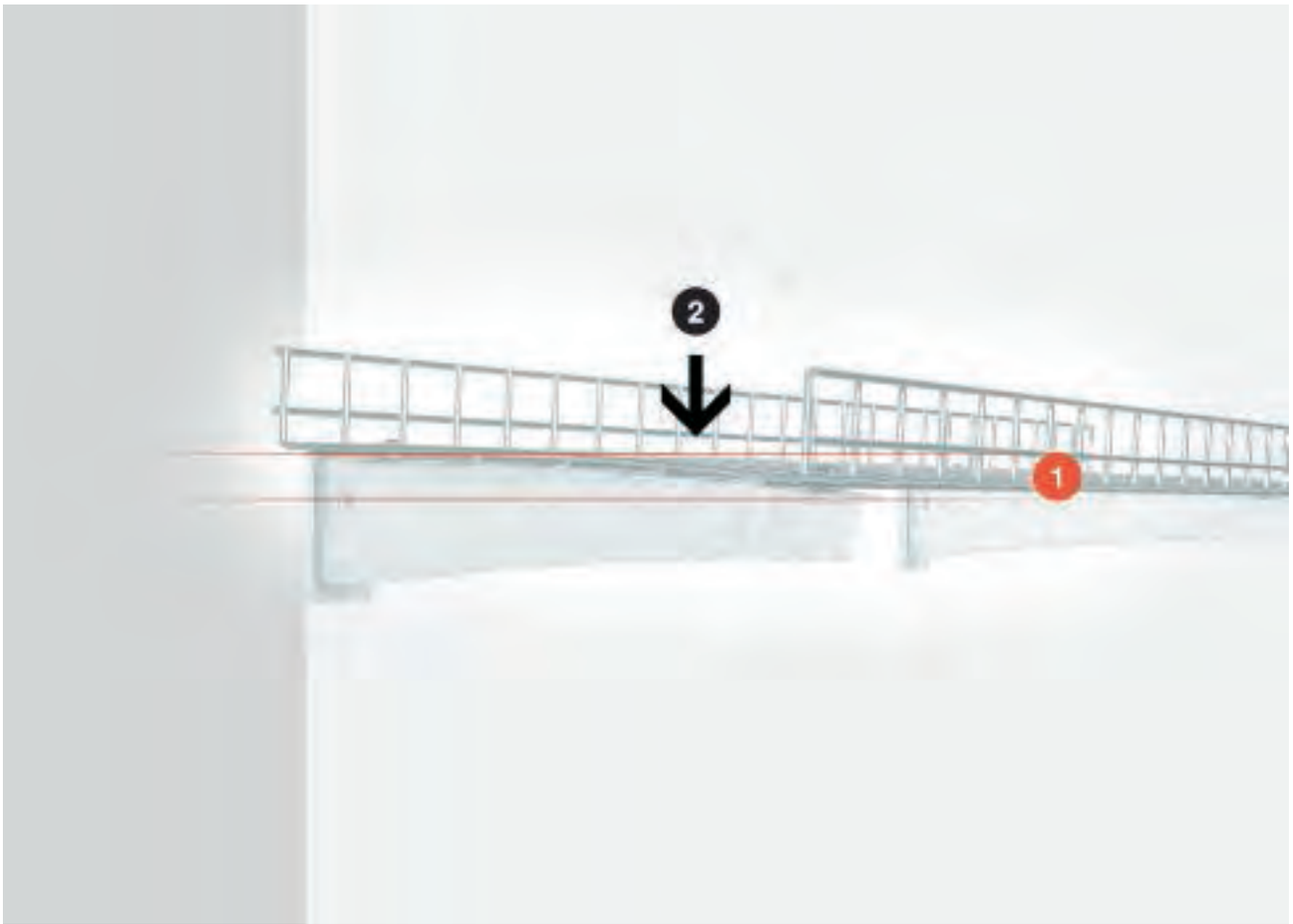


Information 5: W = Strut sag
To what extent does the load on a cable tray cause the strut to bend? This information is supplied by the blue curve (w) in millimetres (orientation values on the axis on the right-hand side of the diagram).

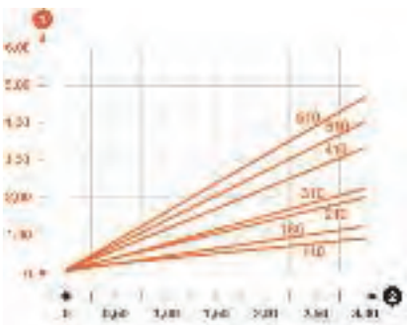
The course of the blue curve clearly shows how quickly the cable tray will sag as the support spacing increases. In our example, the bend at a support spacing of 2.25 m is shown, here approximately 12 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Which bracket can support which cable load?



Key components of the OBO cable support systems are the installation components, in particular the brackets and suspended supports. They connect the cable trays and ladders to the wall and to the ceiling, and are thus an important construction element of the overall system. When calculating the load capacity of a cable support system, the brackets and suspended supports must not be forgotten. The test diagram is also useful in selecting the right products.

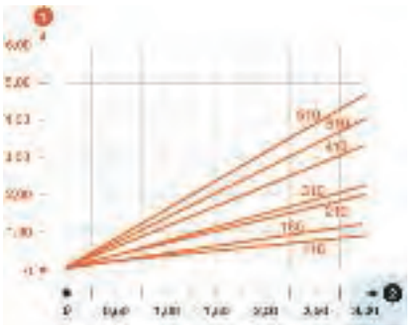


Load diagram, legend

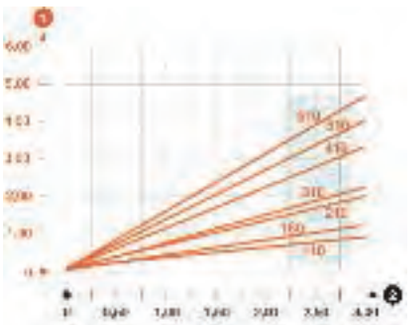
1 = Bend in mm at the bracket tip
2 = Load in kN/m without man load
– = Load curves for the various bracket lengths

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

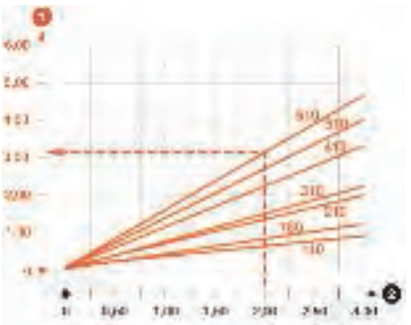
Which bracket can support which cable load?



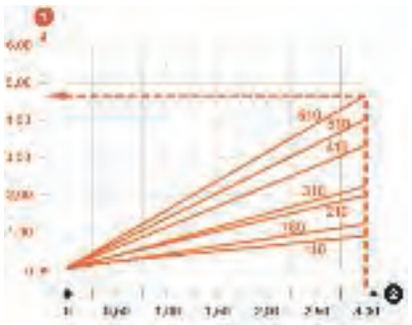
Information 1: Recommended maximum load of the brackets
The bracket is the part of the installation system upon which the cable tray or mesh cable tray is located. It is either directly connected to the wall or is connected to the ceiling using supports. The grey bar on the right edge of the diagram provides information on the maximum load capacity of the bracket.



Information 2: Load curves for all bracket widths
The bending of the bracket is dependent on its width, which, in our example, can range from 110 mm to 610 mm. The load curves are assigned to the appropriate bracket type.



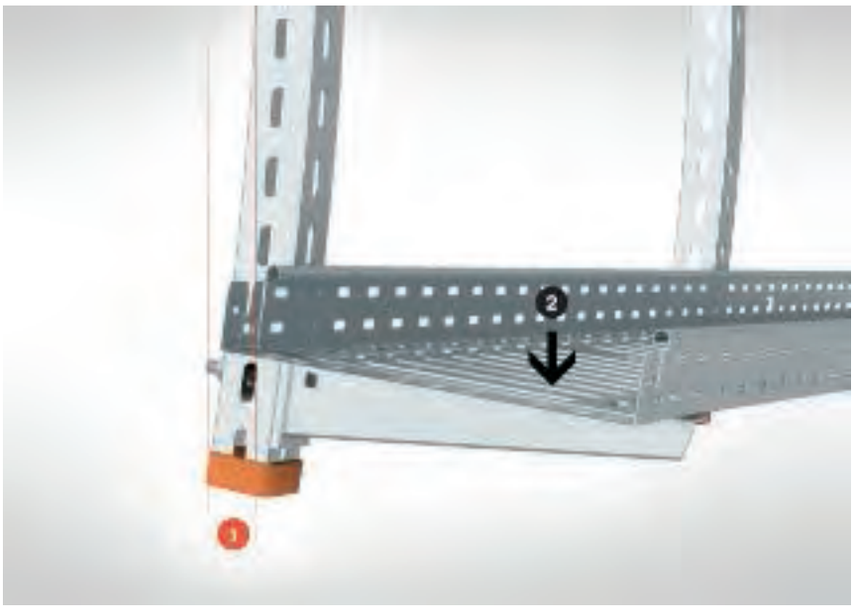
Information 3: Bending of the bracket tip at a specific load
The load curve in the diagram provides information on the bending of the boom tip at a specific load. In our example (dotted orange line), a 610 mm wide bracket with a load of 2 kN bends by approx. 3.1 mm. A basic rule of thumb is: The shorter the bracket, the less the bend will be.

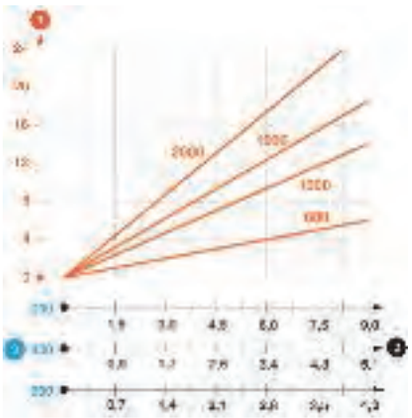


Information 4: Bending of the bracket tip at maximum load
The bending factor of the bracket at maximum load can also be seen in the diagram. In our example (shown in orange), the bend value for a 610 mm wide bracket at a maximum load of approx. 3.0 kN is approximately 4.5 mm. To minimise the bend, the centre of gravity of the cable load should be as close as possible to the wall or the support fastening.

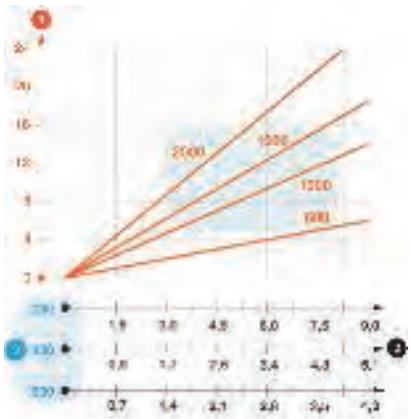
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Which support can support which cable load?

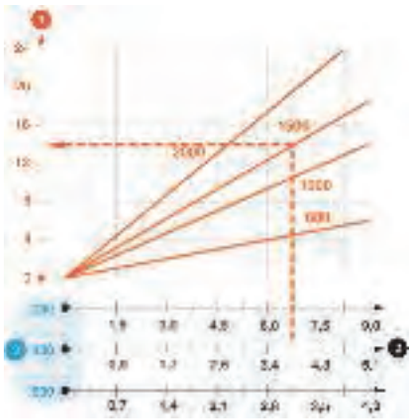




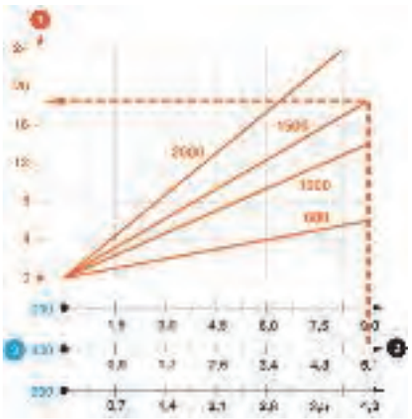
Load diagram, legend
1 = Bend in mm at the bracket tip
2 = Load in kN/m without man load
– = Load curves for the various bracket lengths



Information 1: Various support lengths and bracket widths
The load capacity of a cable support system is not just dependent on the width of a bracket, but also on the length of a suspended support. The load curves in the diagram provide information on the load capacity of a suspended support of length 600, 1,000, 1,500 or 2,000 mm, taking the bracket width into account.

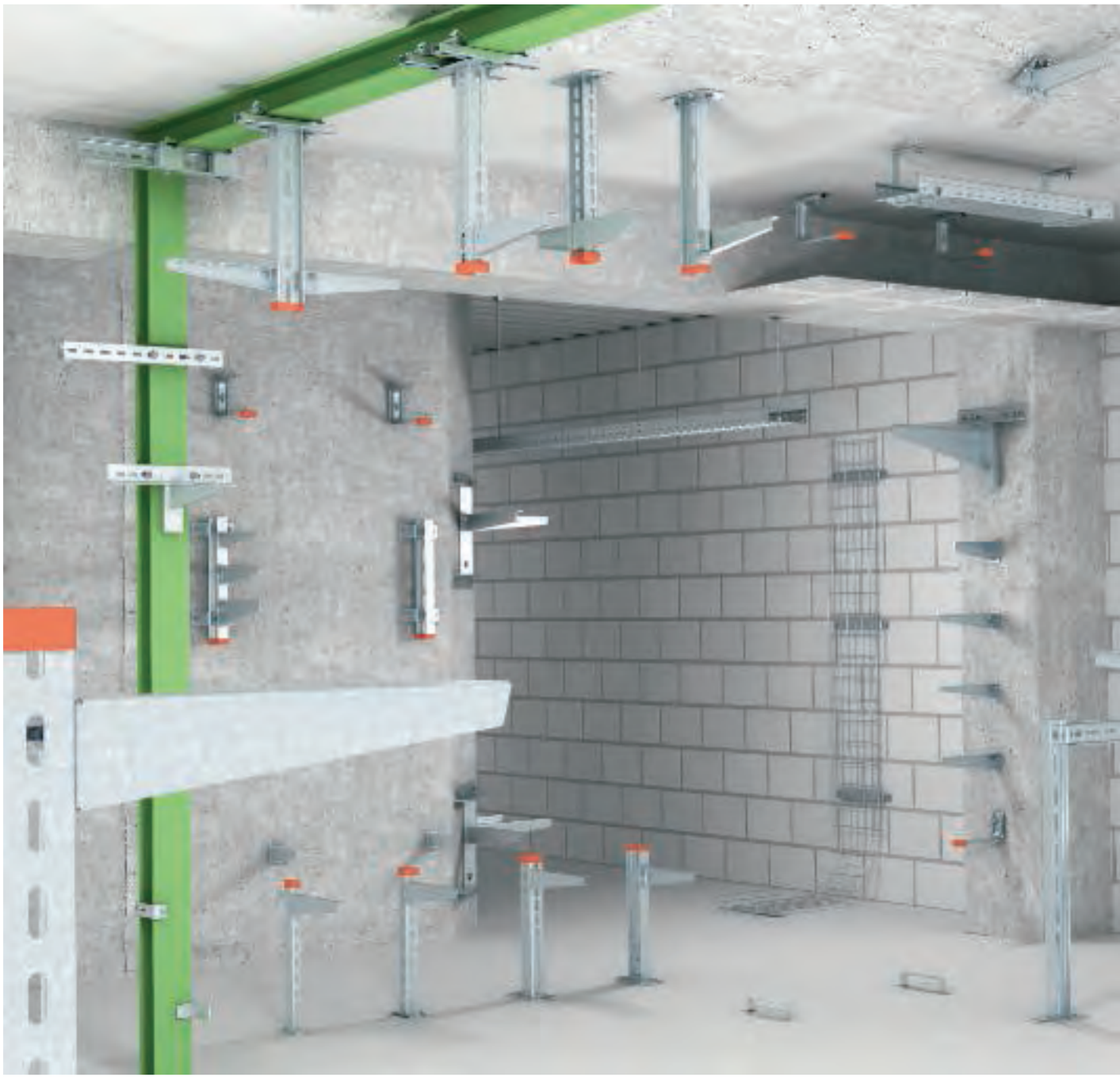


Information 2: Calculation of the deflection for the example
The weight of the total suspended support/bracket/cable tray system causes an excursion of the suspended support from the vertical. The excursion value can be read off from the axis on the left edge of the diagram. In our example (blue background), a 1,500 mm long suspended support, together with a 400 mm wide bracket and a weight load of 4 kN at the end of the support, will produce an excursion of approximately 14 mm.



Information 3: Calculation of the excursion at maximum load for the example
The excursion of the suspended support at a maximum load can also be read off on the diagram. Our blue example shows an excursion of roughly 18 mm at the end of the support for a 1,500 mm long suspended support, in combination with a 400 mm wide bracket at a maximum cable load of approximately 5 kN.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, mounting systems

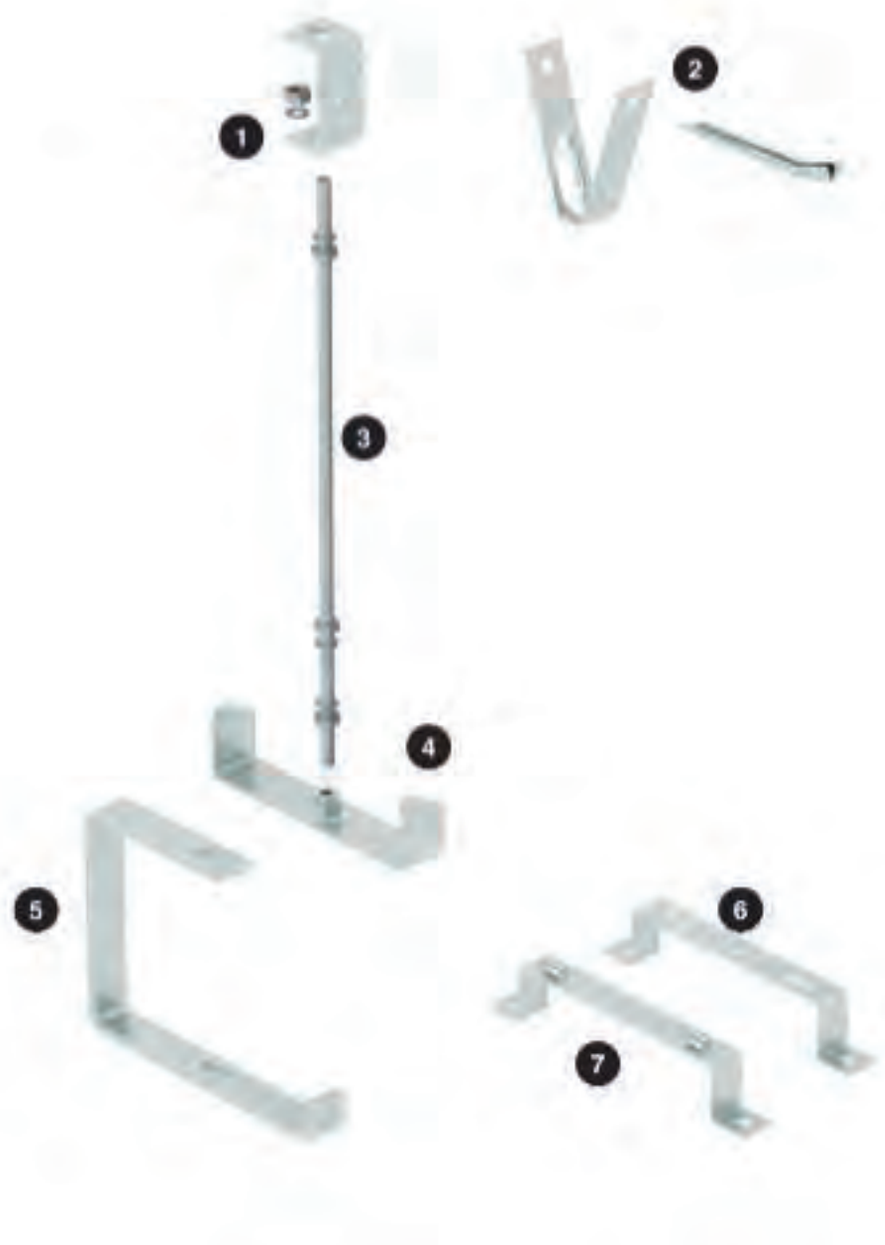


Installation principle, universal systems	40
Mounting aid, universal systems	43
Installation principle, U support	45
Mounting aid, U support and bracket systems	49
Installation principle, I support and bracket systems	52
Mounting aid, I support and bracket systems	54
Installation principle, clamp fastening systems	56
Mounting aid, clamp fastening systems	58

Installation principle, universal systems

System components

1	Ceiling bracket
2	Ceiling bracket, trapezoidal
3	Threaded rod
4	Central suspension
5	Ceiling bracket
6	Stand-off bracket
7	Stand-off bracket



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, TP systems

System components

1	TP support
2	TP support / wall and support bracket
3	Spacer
4	End cap



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, universal systems



The universal systems are used for small loads. Whether the installation is to be a ceiling fastening, wall fastening or as a floor stand-off: in the Universal systems, you can find functional fittings with matching system accessories for any application.
These suspension systems, which can be called basic installations, include centrally loaded ceiling clamps or trapezoidal fastenings, which are used with threaded rods and centre suspensions. When using central suspensions, the load should be even on both sides of the system. If an even load cannot be guaranteed, then other systems should be used.
The TP system is a range of light supports and brackets. This product range, which consists of TP suspended supports and brackets, can be used universally as ceiling and wall mounting.
On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, universal systems



Application on the ceiling
Ceiling fastening for low loads on straight and sloping ceilings.



Installation of centre suspension
Installation of the central suspension MAH 60 on the ceiling using threaded rod 2078/M10 and ceiling bracket 12050. Maximum cable tray width 300 mm.



Universal mounting on the ceiling
The variable ceiling bracket, type DBV, allows threaded rod suspensions on straight and sloping ceilings.



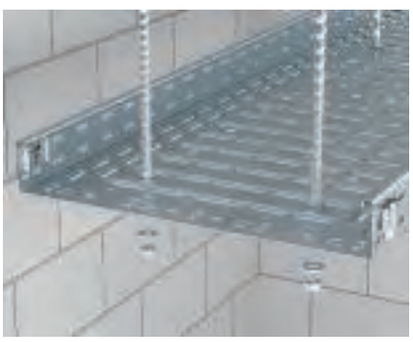
Centre suspension with threaded rod
Direct centre suspension at low loads of a cable tray with threaded rod 2078/M10.



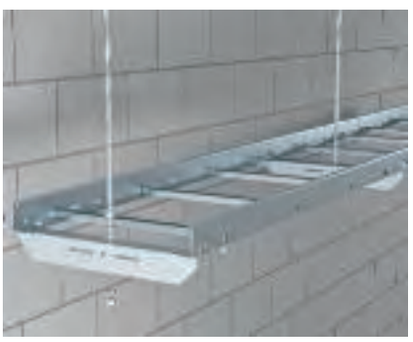
Installation of central hanger MAH 35
Insertion and alignment of the central hanger, MAH 35, in the cable tray.



Installation of central suspension MAH 60
Insertion and alignment of the central suspension, MAH 60, in the cable tray.



Threaded rod suspension RKSM > 400 mm
The threaded rod suspension of RKSM cable trays > 400 mm can take place using two threaded rods.



Cable ladder centre suspension with threaded rod
Installation of a cable ladder with central suspension MAHU and a threaded rod.



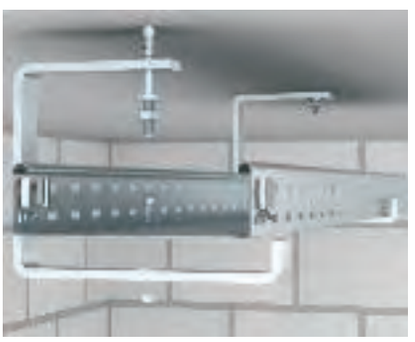
Trapezoidal plate application
Simple, quick fastening of a cable support system to trapezoidal metal roofs.



Installation of trapeze suspension
Installation of a cable tray on a trapezoidal ceiling using a ceiling bracket, type TPB 100 and central suspension, type MAH 60. Maximum cable tray width 300 mm. The trapezoidal fastening is mounted using the lock, type TPB R.



Threaded rod suspension with ceiling bracket
Ceiling mounting of a cable tray with AHB ceiling bracket and threaded rod 2078/M10. Maximum cable tray width 400 mm.



Direct fastening of the ceiling bracket
Direct mounting of the AHB ceiling bracket with anchor bolt on the ceiling. Maximum cable tray width 400 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Ceiling mounting of TP wall and ceiling bracket
Universal mounting of the TPD wall and ceiling bracket on the ceiling (with DS 4 spacer). Maximum tray width 300 mm.



Installation of TP support with single-sided bracket fixing
Ceiling mounting of a TP support with spacer DS 4 and one-sided bracket mounting. Maximum tray width 300 mm.



Complete mounting of a TP system
Installation of the TP support with head reinforcement and double-sided bracket mounting and mounting directly on the wall.



Floor fastening at a distance
Installation of a cable tray at a distance using the stand-off bracket DBL. Maximum cable tray width 600 mm.



Stand-off of mesh cable trays
Floor stand-off of mesh cable trays with the stand-off bracket, type DBLG 20/... Screwless fastening of the mesh cable tray on the stand-off bracket using clamping lugs.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, U support US 3

System components

1	US 3 support
2	Spacer
3	Wall and support brackets
4	Head plate
5	US 3 support
6	U support connector
7	End cap

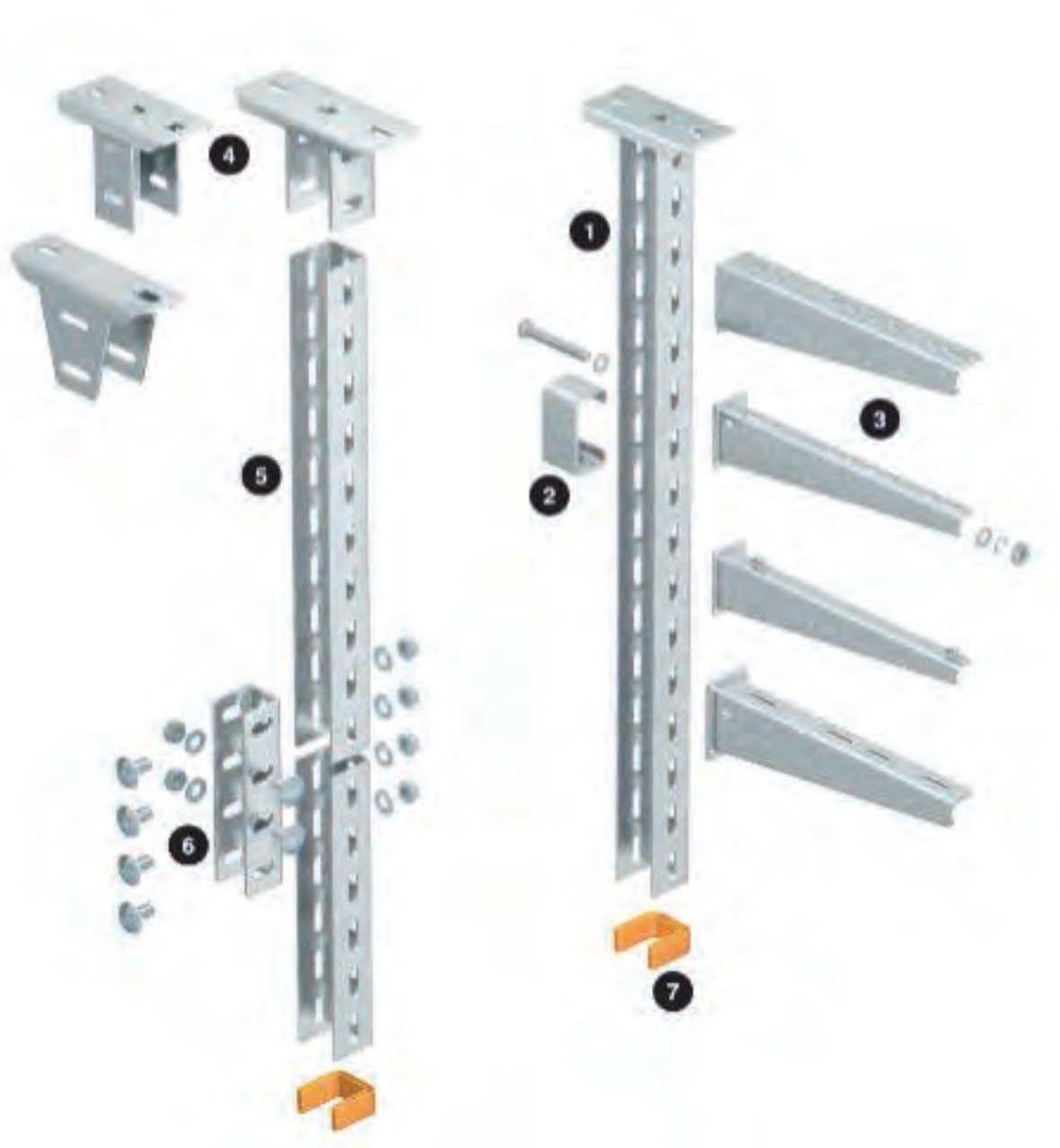


04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, U support US 5

System components

1	US 5 support
2	Spacer
3	Wall and support brackets
4	Head plate
5	US 5 support
6	U support connector
7	End cap

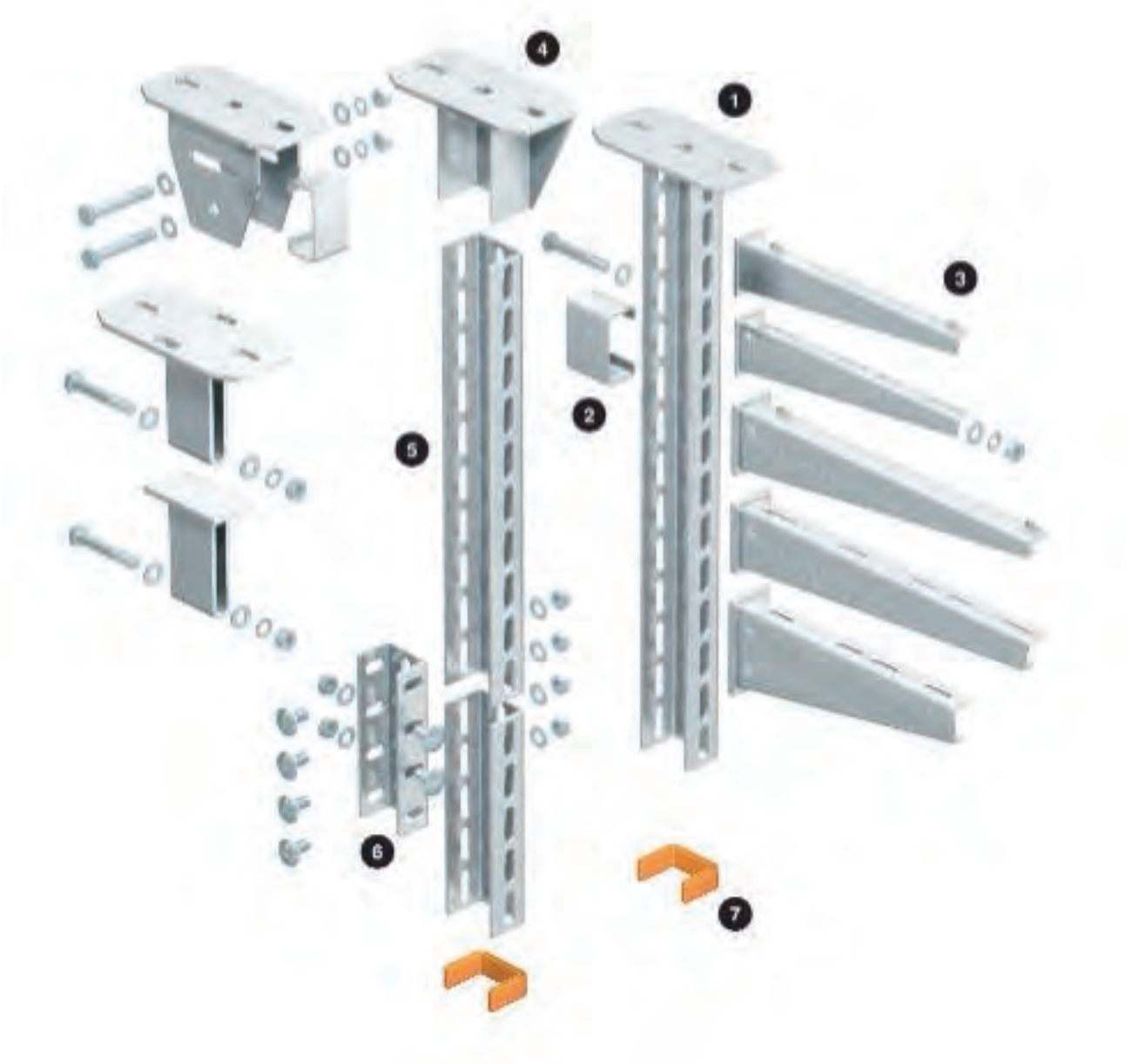


04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, U support US 7

System components

1	US 7 support
2	Spacer
3	Wall and support brackets
4	Heavy-duty head plate
5	US 7 support
6	U support connector
7	End cap



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, U support and bracket systems



The perfectly matched U support family consists of US 3 (light-duty system), US 5 (medium-duty system) and US 7 (heavy-duty system). The U support range is particularly noted for its versatility. The U supports can be used as ceiling suspension, floor stand-off or as construction profiles.
Besides the U support family with comprehensive accessories, you can also find the wall and support brackets in this chapter. These can be fastened directly on the wall or on U supports. Classification takes place according
to load capacity. The appropriate maximum load can be easily derived from the type of the different wall and support brackets MWA 12 (max. load 1.2 kN), AW 15 (max. load 1.5 kN), AW 30 (max. load 3.0 kN) and AW 55 (max. load 5.5 kN).
On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section. You can find a comprehensive article description and additional information for the articles, such as load and anchor diagrams, which can help you when selecting the system.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

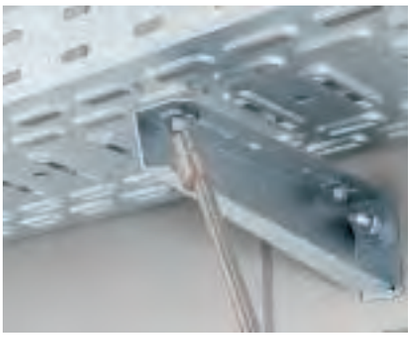
Mounting aid, U support and bracket systems



Wall mounting
Direct fastening of wall and support brackets of type AW... on the wall.



Quick fastening of cable tray on bracket
Positioning the cable tray on the bracket.



Quick fastening of tray on bracket
Fixing of the cable tray on the bracket using quick connector.



Wall bracket, variable
Fastening of the variable wall bracket, type AWV, with anchor bolt, type FAZ II, to vaulted or sloping walls/ceilings.



Standard mounting of support with wall bracket, single-sided without spacer
Ceiling fastening of a support with single-sided bracket fastening. No spacer is required for widths up to and including 300 mm.



Standard mounting of support with wall and support bracket, single-sided with spacer
Ceiling fastening of a support with single-sided bracket fastening. For widths of over 400 mm, we recommend using a spacer.



Standard mounting of support with wall and support bracket, double-sided
Ceiling fastening of a support with double-sided bracket mounting.



Ceiling mounting
Standard mounting of U supports US 3 K, US 5 K and US 7 K on the ceiling with fastening of the wall and support brackets.



Head plate mounting
Installation of the standard head plate on support and ceiling. Use with spacer DSK 25 (US 3), DSK 45 (US 5) or DSK 61 (US 7).



Adapter head plate, asymmetrical
Asymmetrical head plate KA-ASY to increase the load capacity for the combination with supports, type US 7 K and IS 8 K.

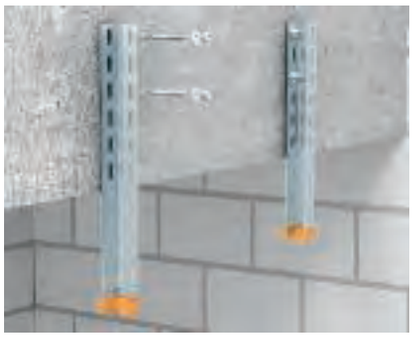


Adapter head plate, symmetrical
Symmetrical head plate KA-SY to increase the load capacity for the conjunction with supports, types US 7 K and IS 8 K.



Traverse
Installation of U supports US 3 K, US 5 K and US 7 K under the ceiling using anchor bolts, FAZ II, and use of a trapeze, consisting of U profile US 3, US 5 or US 7.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



U support wall mounting
U supports are installed on walls or girders using FAZ II anchor bolts, directly through the system perforation in the U support.



U support connection
To connect U supports, use the appropriate U support connectors, types VUS 3, VUS 5 and VUS 7.



Installation of spacer
Installation of the spacer DSK 47 with US 5 supports or DSK 45 with US 7 supports in conjunction with a variable head plate KU 5 V or KU 7 VQP.



Variable head plate with US 3 support
Installation of the variable head plate, type KU 3 V on US 3 support.



Variable head plate
Fastening of the variable head plate KU 5 V to sloping concrete ceilings using anchor bolts, type FAZ II, and spacer DSK 47.



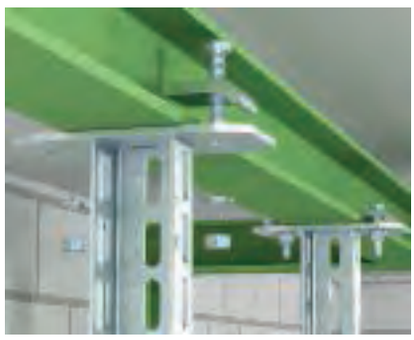
Variable head plate
Fastening of the variable head plate KU 7 VQP to sloping concrete ceilings using anchor bolts, type FAZ II, and spacer DSK 45.



45° adapter plate, concrete mounting
Installation of the 45° adapter plate, type KA-E, on a concrete wall. For additional support and implementation of trays at room corners.



45° adapter plate, steel clamping
Installation of the 45° adapter plate, type KA-E 45, on the steel girder using clamping angles or chuck jaws. For additional support of trays at room corners.



Direct girder clamping
Direct girder clamping of an U support using KWS clamping angle. Route in longitudinal direction of steel girder.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Steel clamping with C profile, tray in longitudinal direction
U suspended support mounting, clamped to steel girder with C profile CPS 4 G and TKH-L-25 light-duty chuck jaw. Tray route along steel girder.



Steel clamping with C profile, tray in transverse direction
U suspended support mounting, clamped to steel girder with C profile, type CPS, and TKH-L-25 light-duty chuck jaw. Tray route transverse to steel girder.



Head plate mounting
Installation of the head plate using the example KU 7 AOX for direct welding on steel girders.



Cantilever beam on steel
U supports can be used as cantilever beams on steel girders with chuck jaws of type TKS-L-25. Use DSK spacers for safe functioning.



Clamp fastening of heavy-duty bracket
Clamp fastening of a heavy-duty bracket with clamping angles or clamping lugs on a vertical steel girder.



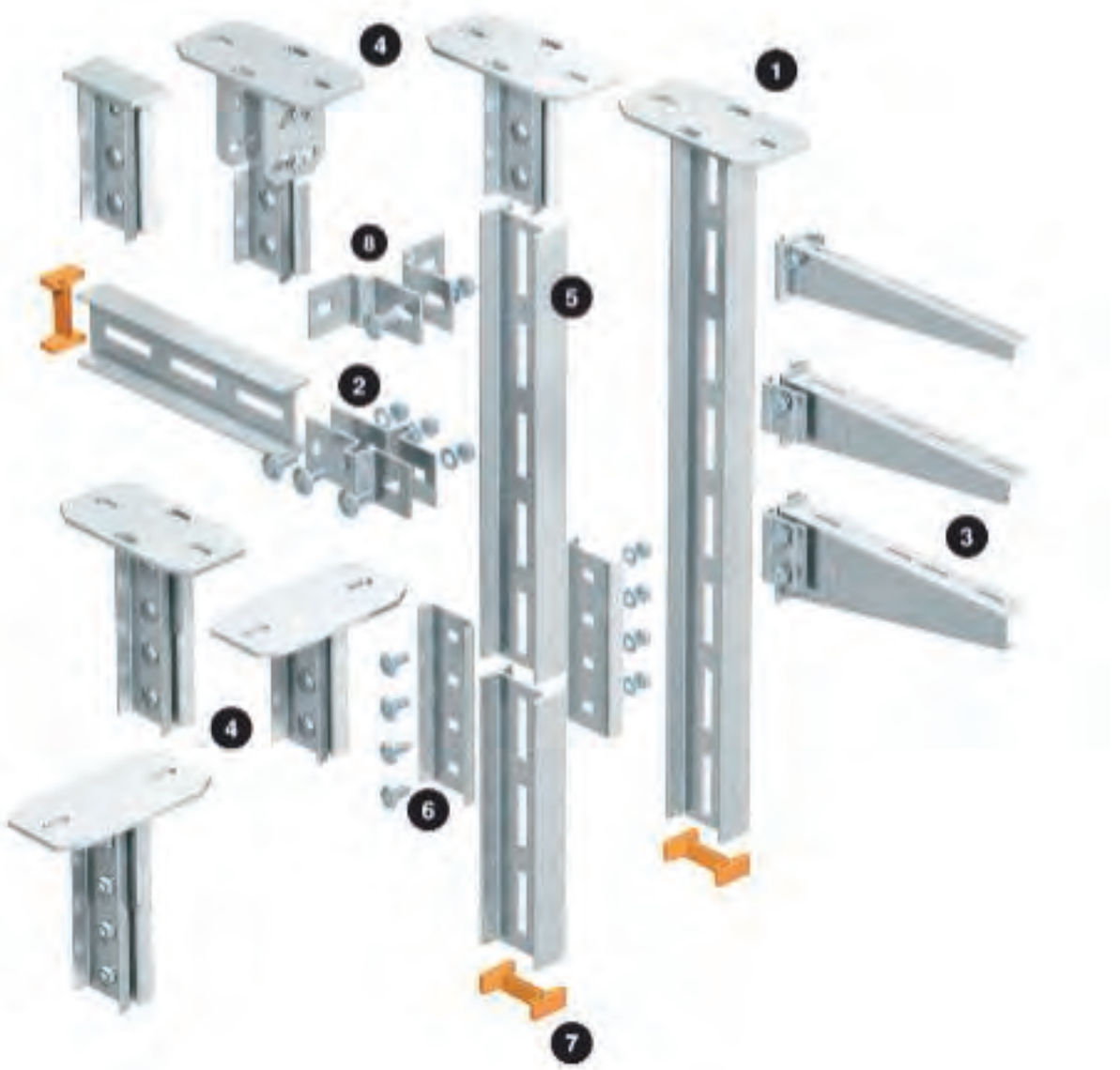
Complete mounting of a ceiling fastening
Illustration of complete ceiling mounting with cable trays.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, I support and bracket systems

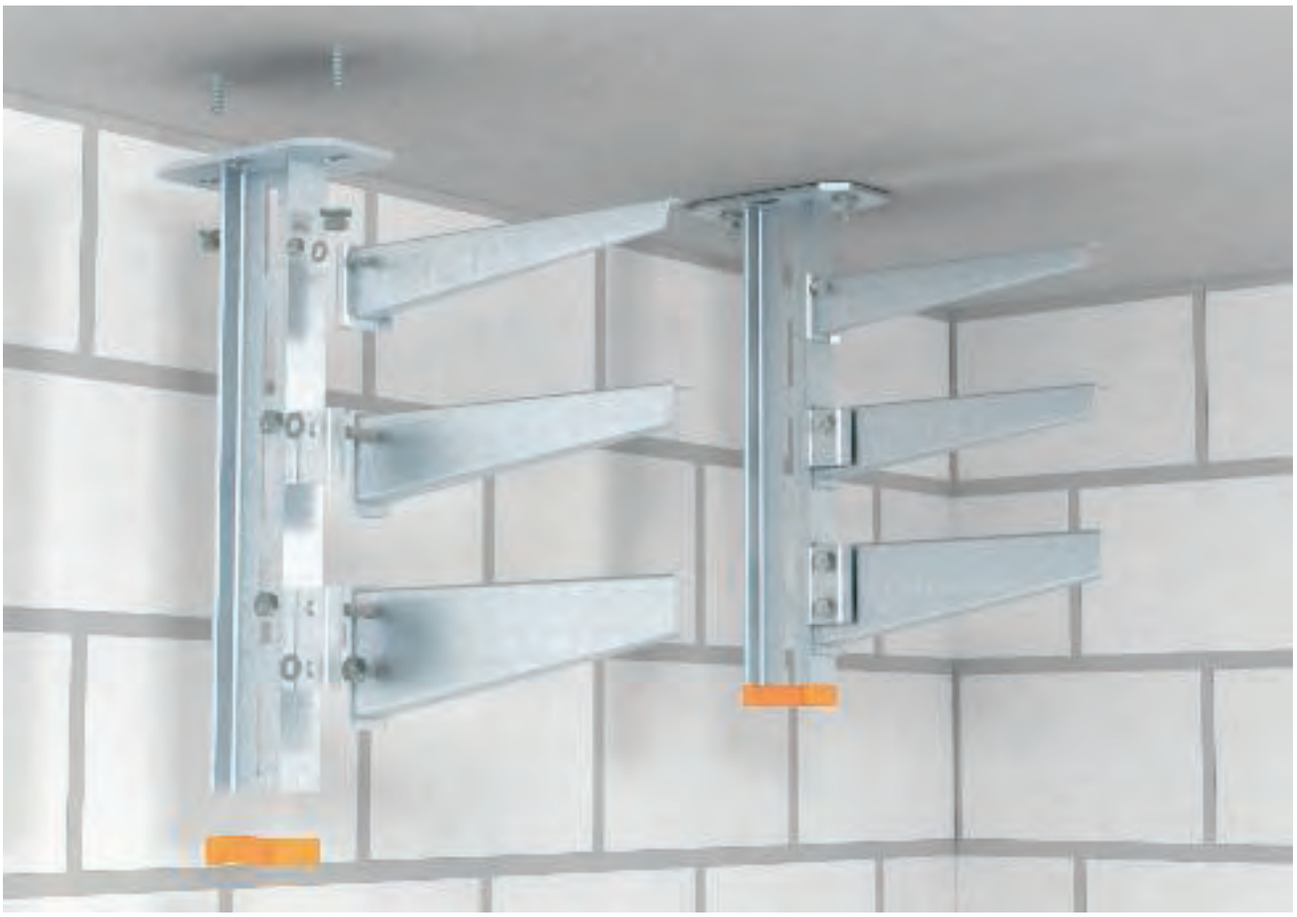
System components

1	I support
2	Support strap
3	Support bracket
4	Head plate
5	I support
6	I support connector
7	End cap
8	Mounting angle



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, I support and bracket systems



The I support system from OBO Bettermann really comes into its own in situations where high loads must be carried, large distances must be bridged and difficult routes must be implemented. The I support system fulfils all the requirements of a heavy-duty cable mounting system. The high load capacities of all the system components permit the mounting of complex structures. The comprehensive range of head plates allows the implementation of all conceivable solutions. This heavy-duty system is used with large support spacings of wide span systems or for multi-layer setups of standard cable trays and cable ladder systems. The combination of I supports and support brackets of type AS 15, AS 30 and AS 55 form a perfectly matched product range, the height of which can be infinitely adjusted.
On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section. You can find a comprehensive article description and additional information for the articles, such as load and anchor diagrams, which can help you when selecting the system.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, I support and bracket systems



Application on the ceiling
Standard mounting of supports to concrete ceilings using anchor bolt, type FAZ II.



Head plate mounting
Fastening of the standard head plate, KI 8, for I support to concrete ceilings using anchor bolts, type FAZ II.



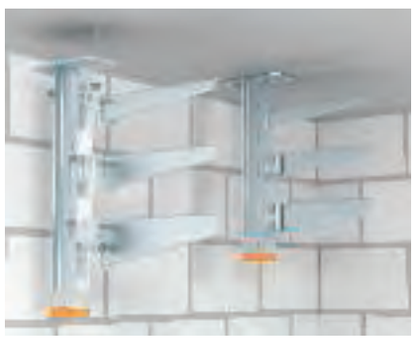
Head plate, variable (rotated through 90°)
Installation of the variable head plate, rotated through 90°, KI 8 VLK to sloping concrete ceilings using anchor bolts, type FAZ II.



Variable head plate
Installation of the variable head plate KI 8 VQP to sloping concrete ceilings using anchor bolts, type FAZ II.



I support connection
Installation of the I support connector VIS 8 to connect IS 8 supports.



Bracket mounting
Installation of a three-layer cable support system on the concrete ceiling using support bracket mounting, AS 15, AS 30 and AS 55.



Adapter head plate, asymmetrical
Asymmetrical head plate KA-ASY to increase the load capacity for the combination with supports, type US 7 K and IS 8 K.



Adapter head plate, symmetrical
Symmetrical adapter head plate KA-SY to increase the load capacity for the conjunction with supports, types US 7 K and IS 8 K.



Wall mounting, I support
Installation of an I support on the wall using mounting angle, type BW 80/55, and anchor bolts, type FAZ II, to accept multiple support brackets, type AS.



Special structure
Example of installing of a special structure, consisting of I supports (ceiling/wall mounting) with transverse profile and various support brackets, type AS.



Application on steel girder
Clamp fastening of supports on steel girders using various chuck jaws, lengthwise or transverse to the steel girder.



Direct girder clamping
Direct girder clamping an I support using heavy-duty chuck jaw, type TKS-S-30. Route in longitudinal direction of steel girder.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Steel clamping with C profile, tray in longitudinal direction
I support with welded head plate mounting, clamped to steel girder with C profile and TKH-L-25 chuck jaw. Tray route along steel girder.



Steel clamping with C profile, tray in transverse direction
I support with welded head plate mounting, clamped to steel girder with C profile and TKH-L-25 chuck jaw. Tray route transverse to steel girder.



Head plate, variable (transverse)
Installation of the variable, transversely adjustable head plate, type KI 8 VLP, on rising or falling steel structures with profile rail, type CPS 5 G and clamping angles, type KWH.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, clamp fastening systems

System components

1	Chuck jaw, heavy-duty
2	Chuck jaw, light-duty
3	Profile rails
4	Clamping angle
5	Beam clamp, horizontal
6	Beam clamp, vertical





04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, clamp fastening systems



The clamp fastening systems with reduced installation times and work are a clear argument for the use of this system in all areas of professional electrical installations. Clamp fastening can be attached without difficult, often unpermitted drilling. The load range runs from light-duty clamping angles to heavy-duty chuck jaws.
The clamping lugs / clamping angles, type KL, KWH and KWS, and the chuck jaws, type TKH and TKS, permit excellent connections without drilling or welding, on account of the perfect matching to additional system articles.
On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, clamp fastening systems



Application on horizontal steel girder
Clamp fastenings using clamping angles and chuck jaws on horizontal steel girders.



Application on sloping steel girder
Clamp fastenings using clamping angles and chuck jaws on sloping steel girders.



Steel clamping, C profile rail
Fastening of a C profile, type CPS 4 G or CPS 5 G, to steel girder using clamping angles, type KWS.



Direct girder clamping
Direct girder clamping an I support using chuck jaw (heavy-duty), type TKS-S-30. Route along steel girder.



Clamp fastening with addition C profile
Use of an additional C profile rail, type CPS, for wider steel girders. Route along steel girder.



Clamping transverse to steel girder
Use with two C profile rails for tray mounting transverse to the steel girder.



Cantilever beam on steel
Installation of U support as cantilever beam on steel girder. Fastening with clamping angles or chuck jaws depending on load. Fastening with spacers, type DSK.



Cantilever beam with support
Cantilever beams made of U support construction clamped to steel girder for installing supports.



Clamp fastening on vertical steel girder
Installation of the adapter plate, type KA-AW, on the vertical steel girder using clamping angle or chuck jaws. Wall brackets of type AW are fixed to the adapter plate, using the hexagonal bolt SKS 12 x 40 GF.



45° adapter plate, steel clamping
Installation of the 45° adapter plate, type KA-E 45, on the steel girder using clamping angles or chuck jaws. For additional support of trays at room corners.

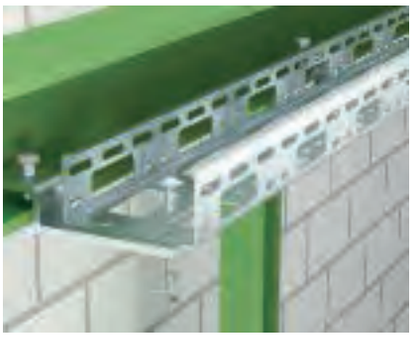


Vertical clamp fastening
Clamp fastening of a heavy-duty bracket with clamping angles or clamping lugs on a vertical steel girder.



Vertical clamp fastening
Installation of a mesh cable tray vertically on a steel girder, mounting with a beam clamp BFK and clamp GKS 50.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Horizontal clamp fastening
Installation of AZ channel using BFK beam clamp in a longitudinal direction on the steel girder. Maximum cable tray width 100 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013





Mounting aid, heavy-duty and anchor bolts	64
Mounting aid, injection anchor	65

Tightening torques



Different tightening torques apply when mounting a cable support system. Please note that the specified torques are only intended as rough, non-binding guide values. (See VDI 2230)!

Tightening torques of bolts with metric thread

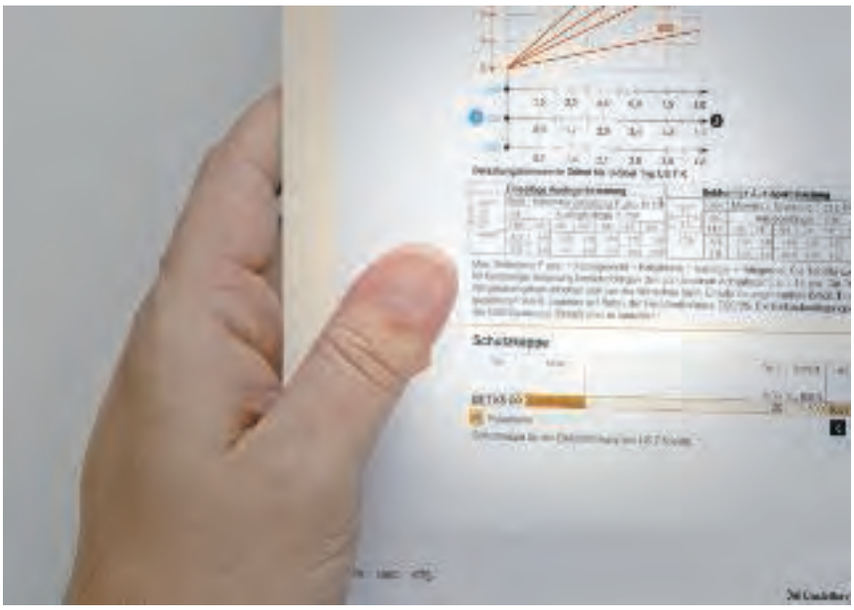
Thread	Grade 5.6	Grade 6.9	Grade 8.8	Grade 10.9	Grade 12.9
M6	3.9 Nm	8.5 Nm	10 Nm	14 Nm	17 Nm
M8	9.8 Nm	21 Nm	25 Nm	35 Nm	41 Nm
M10	19.6 Nm	41 Nm	49 Nm	69 Nm	83 Nm
M12	33.4 Nm	72 Nm	86 Nm	120 Nm	145 Nm
M14	54 Nm	115 Nm	135 Nm	190 Nm	230 Nm
M16	82 Nm	180 Nm	219 Nm	295 Nm	355 Nm
M18	114 Nm	245 Nm	290 Nm	400 Nm	485 Nm
M20	163 Nm	345 Nm	410 Nm	580 Nm	690 Nm

Tightening torques of stainless steel bolts (friction quotient (q) 0.16)

Thread	Grade A-50	Grade A-70	Grade A-80
M6	3.8 Nm	8.2 Nm	10.9 Nm
M8	9.2 Nm	19.6 Nm	26.2 Nm
M10	19 Nm	39 Nm	53 Nm
M12	31 Nm	67 Nm	89 Nm
M14	50 Nm	106 Nm	142 Nm
M16	76 Nm	162 Nm	216 Nm
M18	105 Nm	225 Nm	299 Nm
M20	148 Nm	316 Nm	422 Nm

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Choice of anchor



Not only the individual components of the cable support system are important for the load capacity of the installation. Also of importance is the anchoring.

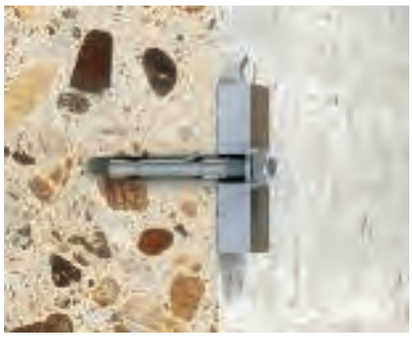
The load capacity of a support or a wall bracket is dependent on the quality of the anchoring in the wall or ceiling. You can find the maximum load values in the anchor diagrams. The appropriate load classes allow direct assignment to the appropriate anchor bolts and heavy-duty anchors.

Allocation of fastening materials

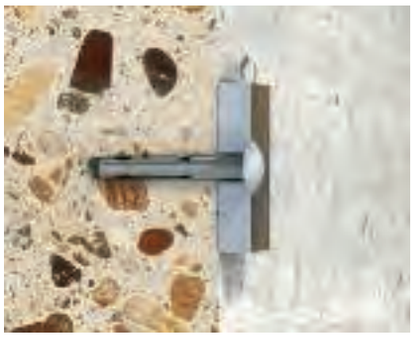
Type	Length/mm Width/mm	Heavy-duty anchor Anchor bolt	Item no.	Load class in concrete C25	Thread length mm	Thread
US 3K support	200 – 1,200	FAZ II 8/10 GS	3498 506	2.4 kN	10	M8
MWA 12 bracket	100 – 400					
TP bracket	145 – 345	FAZ II 10/30	3498 581	4.3 kN	30	M10
TP support	145 – 645					
US 5 support	200 – 1,200	FAZ II 10/10 GS	3498 549	4.3 kN	10	M10
US 7 support	200 – 1,000					
AW 15 bracket	110 – 610					
AW 30 bracket	110 – 710					
US 7 support	1100 – 2,000	FAZ II 12/10	3498 654	7.6 kN	10	M12
IS 8 support	200 – 2,000					
AW 55 bracket	210 – 810					
AW 55 bracket	910 – 1,010	FH 18/80	3498 743	9.91	18	M12
AW 80 bracket	210 - 810					

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, heavy-duty and anchor bolts



Anchor, type FNA, with threaded connection
Nail anchor, type FNA, with M8 threaded connection, usable in reinforced or unreinforced concrete C20/25 to C50/60, load capacity 0.5 kN. Suitable for function maintenance.



Anchor, type FNA, with drive-in head
Nail anchor, type FNA, with drive-in head, usable in reinforced or unreinforced concrete C20/25 to C50/60, load capacity 0.5 kN. Suitable for function maintenance.



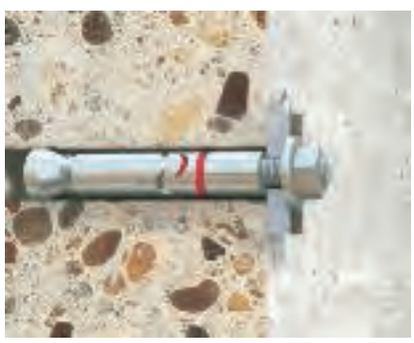
Anchor bolt, type FAZ II
Anchor bolt, type FAZ II, for fixing heavy-duty anchorings in reinforced or unreinforced normal concrete C20/25 to C50/60, suitable for push-through mounting, with M8, M10 or M12 connection thread. Load capacity 4.3 kN (M8), 7.6 kN (M10), 11.9 kN (M12). With European technical approval. Suitable for function maintenance.



Impact tie type FZEA
Impact tie, type FZEA, with M8, M10, M12 internal thread. For acceptance of smaller loads, approved for normal concrete C20/25 to C50/60. Load capacity 3.0 kN (M8) and 3.6 kN (M10 and M12). Suitable for function maintenance.



Screw-in anchor, type MMS
Screw-in anchor with hexagonal head for direct mounting without additional anchors. Suitable for use in concrete and masonry. Approved for function maintenance and with European technical approval.



Heavy-duty anchor, type FH
Heavy-duty anchor, type FH, with M12 threaded connection, for fixing components with large loads, approved for normal concrete C20/25 to C50/60. Load capacity 8.26 kN, with European technical approval.



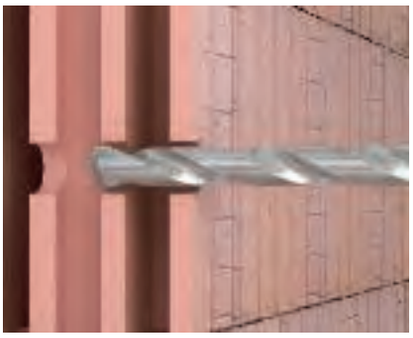
Hollow ceiling tie
Hollow ceiling tie, type FHY, with internal thread M8, M10. For use in pre-stressed concrete core slab ceilings. Load capacity 2.0 kN (M8) and 3.0 kN (M10). Approved for function maintenance.



Long shank dowel, type SXS
Long shank dowel, type SXS, for universal use. Load capacity up to 2.0 kN. With structure approval.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, injection anchors



Use in hollow brick
Drill the hole in the hollow brick according to the selected anchor size and then clean it.



Mounting preparations
Insert the fitting plastic sieve sleeve in the drill hole.



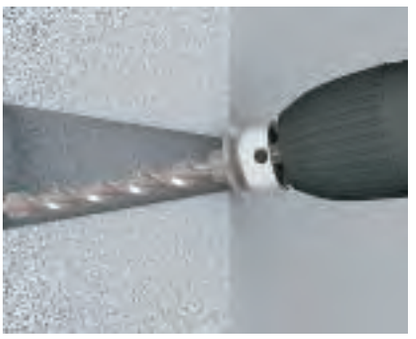
Applying the injection mortar
Press in the injection mortar from the cartridge from the base of the drill hole to the opening. In so doing, draw the point back slowly.



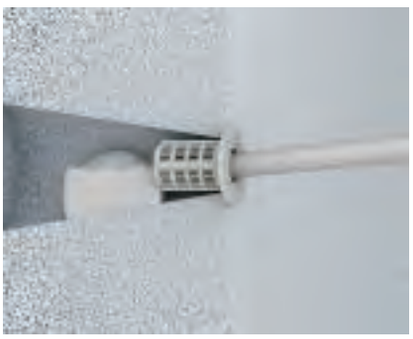
Inserting the anchor rod
Attach the anchor rod in the filled wire sleeve up to the set marking. The mortar pushes through the openings of the wire sleeve, forming a closure.



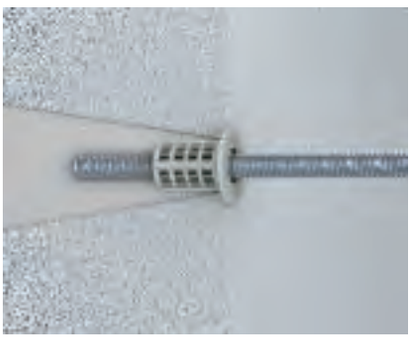
Mount the component
The component can be mounted when the injection mortar has hardened. Comply with the tightening torque in the approval. The hardening time is dependent on the ambient temperature.



Use in porous concrete wall
Drilling of the anchor hole using the special PBB conical drill. In so doing, rotate the drill to create the back cut of the opening.



Applying the injection mortar
After thorough cleaning of the opening, insert the centring sleeve into the opening. Then insert mortar from the cartridge from the base of the drill hole to the opening.



Inserting the anchor rod
Attach the anchor rod in the filled wire sleeve up to the set marking. The mortar closes up the back-cut.



Mount the component
The component can be mounted when the injection mortar has hardened. Comply with the tightening torque in the approval. The hardening time is dependent on the ambient temperature.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013





Mounting aid, cable tray system RKSM 78

The future of cable tray systems has begun. The Magic cable tray systems

Simplified mounting
The lighter structure produces a considerable benefit for overhead mounting and at great heights. The Magic cable tray system is the world's first completely screwless tray system. All the system components and tray types are equipped with the innovative Magic connection - from the tray through to the fitting. The combination of both advantages makes mounting simpler and quicker.



Load capacity increased
Compared to previous systems, Magic cable trays offer greater stability. The complex 3D structure and the different material structure around the laser seam produce previously unachieved load values.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Improved ecobalance
The use of the new, highly innovative and patented manufacturing method DUO-Plus leads to a considerably optimised CO_2 balance for the entire product family. This technological leap saves 2,600 tonnes of CO_2 emissions per years.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Improved cable ventilation and unimpeded water drainage

Improved cable ventilation
The completely new base structure allows perfect cable ventilation. According to VDE 0298-4, a tray made up of more than 30% holes is considered a perforated tray. This means that lower reduction factors must be taken into account during cable dimensioning, possibly allowing the use of cables with smaller cross-sections.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

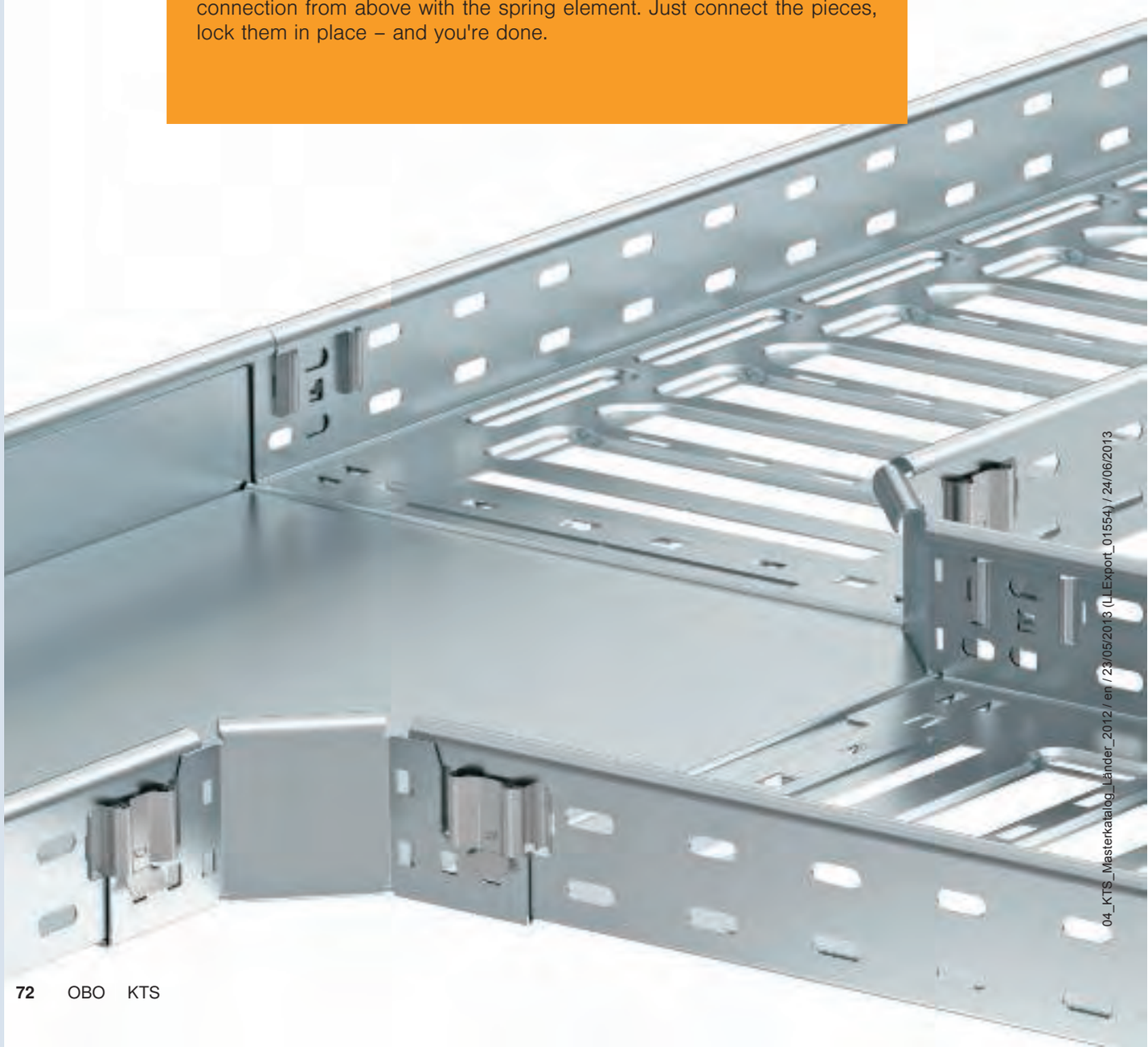


Water run-off guaranteed
All the perforated Magic systems of types MKSM, SKSM and IKSM of width 200 mm and wider are suitable for safe installations under sprinkler systems - in accordance with the requirements of the VDS. The new base structure allows perfect water run-off
.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (InLExport_01554) / 24/06/2013

Consistently thought through

Lockable fittings
Even faster. Even simpler. All the classic fittings, such as bends, T pieces, mounting/branch pieces and intersections are equipped with the trusted, lockable Magic connector. The cable tray is run into the fitting connection from above with the spring element. Just connect the pieces, lock them in place – and you're done.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Variable connectors
The perfect end. The variable screwless Magic connector bridges joints of up to 50 mm. This permits perfect connections under any conditions. In addition, the connectors permit large radii of up to 10° in the route, for example in tunnel construction.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Perfectly matched: the modular Magic system

Side height 35 mm

RKSM 35



Side height 60 mm

RKSM 60



MKSM 60



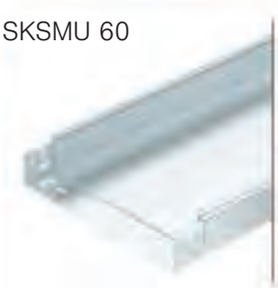
SKSM 60



MKSMU 60



SKSMU 60



IKSM 60



Side height 85 mm

MKSM 85



SKSM 85



MKSMU 85



SKSMU 85



Side height 110 mm

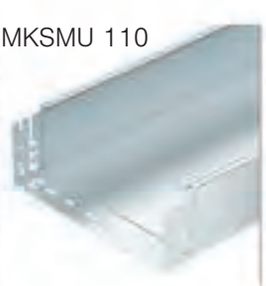
MKSM 110



SKSM 110



MKSMU 110



SKSMU 110



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Snap-in fittings, side height 35 mm



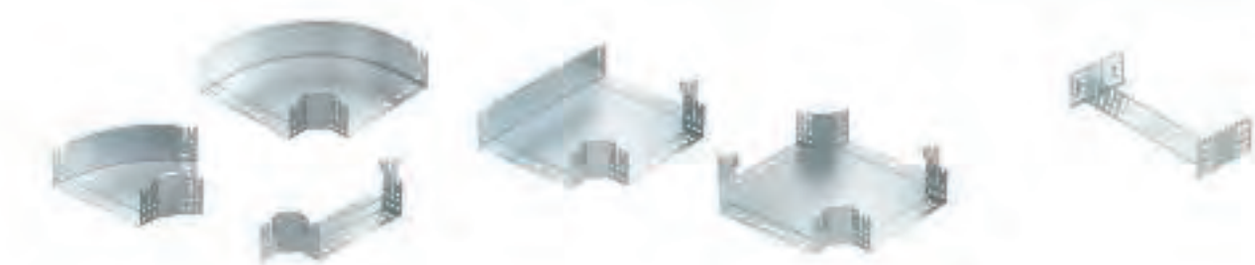
Snap-in fittings, side height 60 mm



Snap-in fittings, side height 85 mm



Snap-in fittings, side height 110 mm



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, cable tray systems

System components

1	RKSM cable tray
2	90° Magic bend
3	45° Magic bend
4	Magic Tee
5	Magic cross-over
6	Magic add-on tee
7	90° vertical bend, falling
8	90° vertical bend, rising
9	Magic straight connector set
10	Cover with turn buckle



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, cable tray system RKSM



The RKS-Magic® cable tray system permits even faster straight connectors of the cable tray. The innovative, screwless straight connector can be mounted in the blink of an eye. Just connect the ends of the cable tray, lock them in place - and you're done! The long-lasting, static straight connectors can be permanently stabilised by bending the connection flaps. The RKS-Magic® cable tray is available with the side heights 35 and 60 mm. A comprehensive range of fittings with bends (45° and 90°), T branch pieces, mounting/branch pieces and intersections completes the system. 90° bends and adjustable vertical riser (rising/falling) are available for vertical changes of direction. When installing fittings, always plan additional supports.
Besides the various fittings, the system also includes all types of connectors (straight, angle and articulated connectors) and additional accessories such as barrier strips, joint plates, mounting plates and covers.
You can find detailed mounting examples and article descriptions on the following pages. The RKS-Magic® cable tray is tested for function maintenance. You can find comprehensive information on this in our new BSS Fire protection systems catalogue.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

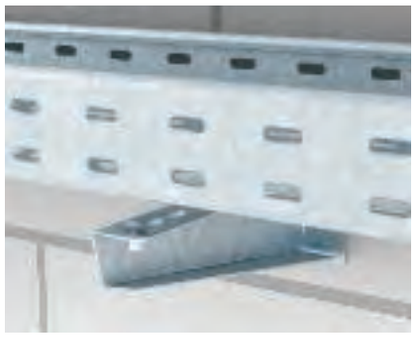
Mounting aid, cable tray system RKSM



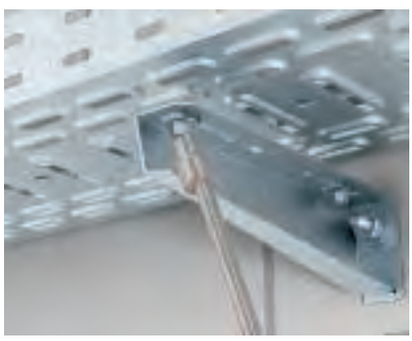
Centre suspension application
Direct centre suspension with threaded rod, type 2078/M10. This mounting variant is possible for RKS cable trays of width 50 to 200 mm.



Ceiling mounting application, U support and bracket
Standard mounting of a cable tray with support, type US.., and suitable support bracket, type AW.



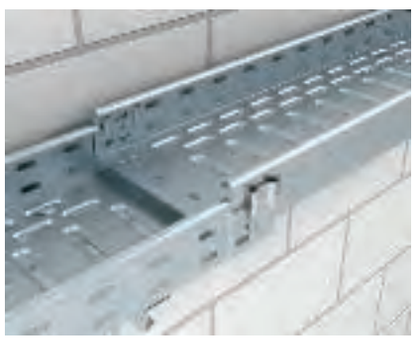
Wall mounting application with bracket
Standard cable tray mounting on the wall with wall and support brackets.



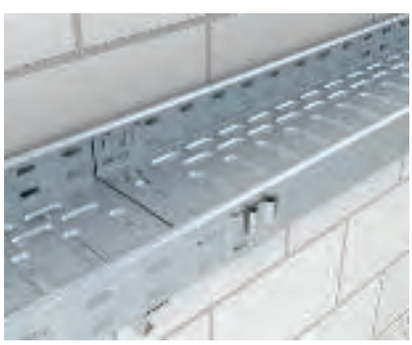
Quick fastening of cable tray on the bracket
The quick fastening is pushed upwards and turned through 90°. After locking, the quick fastening is fastened permanently by tightening it.



Straight connection, cable tray interconnection
The straight connection is created by simple connection of the cable trays. Please observe the mounting direction.



Straight connection, cable tray interconnection
The ongoing cable tray is inserted from above from the existing sleeve opening.



Straight connection, cable tray interconnection
The optimum straight connection is confirmed by an audible click. Then use a screwdriver, to turn over the connection lugs in the bottom – and you're done!

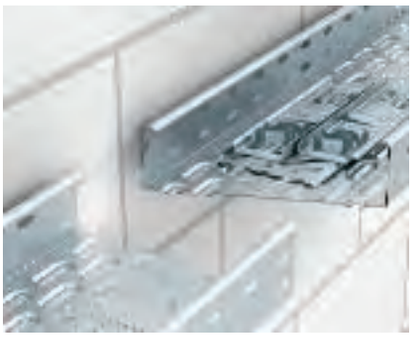


Straight connection, cable tray interconnection
It is possible to turn over the connection flap in the floor of the cable tray using a normal screwdriver.

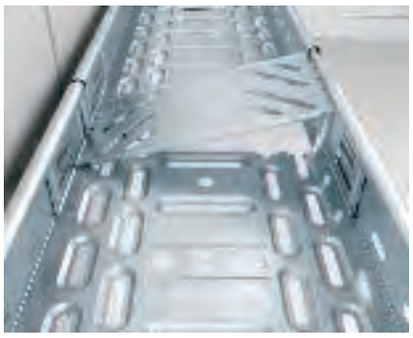


Slackening the connection
Of course the connection can be loosened again. To do this, simply push a screwdriver under the spring element. This releases the lock function.

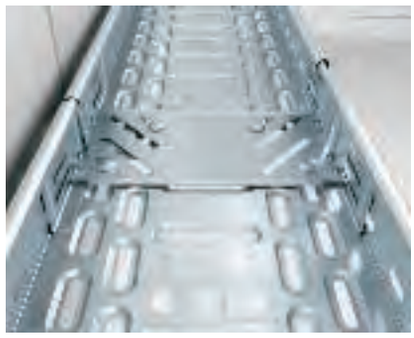
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Magic KTSMV straight connector set
Cable tray connector set with quick fastening for straight, screwless connection of cable trays and fittings. The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



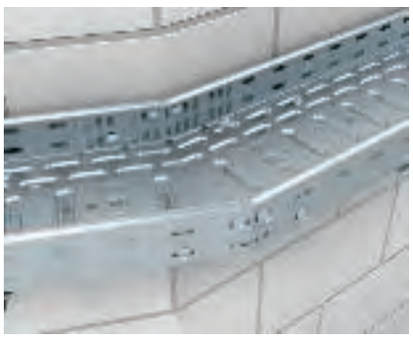
Mounting of Magic KTSMV straight connector set
The straight connector set Magic KTSMV is used for cut ends. Simply clamp the two side sections in the side rail and push the corresponding joint plate down until it has locked in place - and you're done.



Mounting of Magic KTSMV straight connector set
To strengthen the connection, we recommend screwing on the joint plate for widths of more than 400 mm.



Floor fastening
Floor fastening at a distance with stand-off bracket, type DBL.



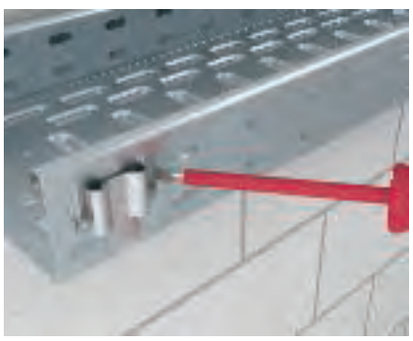
Horizontal angle connection of cable trays
Horizontal angle connection of cable trays for brackets created during construction and cut cable tray ends.



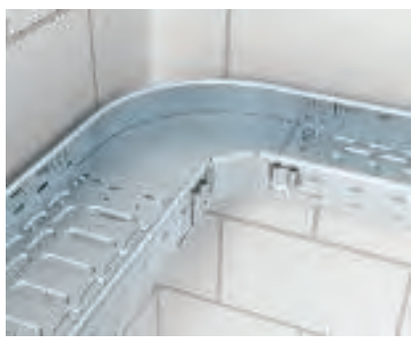
Vertical adjustable connection of cable trays
Vertical adjustable connection of cable tray for construction-side height jumps of any angle.



Width change and end closure
Illustration of a width change through the installation of the reducer. This component allows the implementation of an end closure of cable trays.

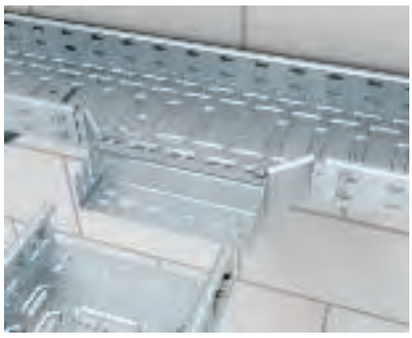


Removal of the spring element
Before connecting fittings, please remove the spring element as shown. The fitting (from width 400 mm) or a cut cable tray is connected with regular straight connectors or the straight connector set.



Mounting of Magic bend
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.

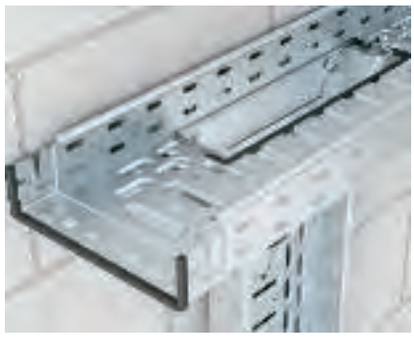
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mounting of Magic mounting/branch piece
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



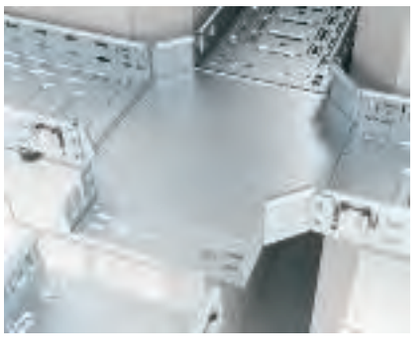
Mounting of Magic vertical mounting/branch piece (bottom view)
Vertical mounting of the add-on tee as lengthwise funnel. Perforation in the cable tray is created on site. For widths > 400 mm, please order connectors separately.



Mounting of Magic vertical mounting/branch piece (top view)
Vertical mounting of the add-on tee as lengthwise funnel. Perforation in the cable tray is created on site. For widths > 400 mm, please order connectors separately.



Mounting of Magic T branch piece
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



Mounting of Magic intersection
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



90° bend (rising/falling)
The 90° vertical bend is pushed over the rail of the cable tray and bolted with truss-head bolts, FRSB M6x12 mm. The cover is placed on loosely and fastened using the incoming cable tray lid.
The cover clamp DKU can be used for additional fastening.



Installation of rising adjustable vertical bend
Adjustable vertical bend to bridge height offsets or when changing from horizontal to vertical. The adjustable vertical bend is fastened to the cable tray directly using the adjustable connectors.

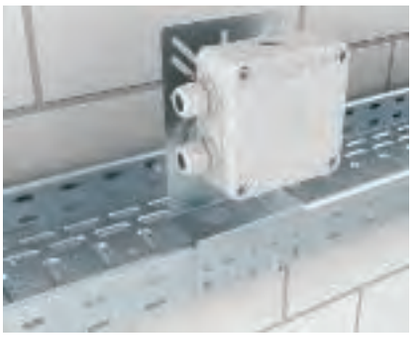


Installation of falling adjustable vertical bend
Installation of the adjustable vertical bend, falling, to bridge height differences and changes from the horizontal to the vertical.

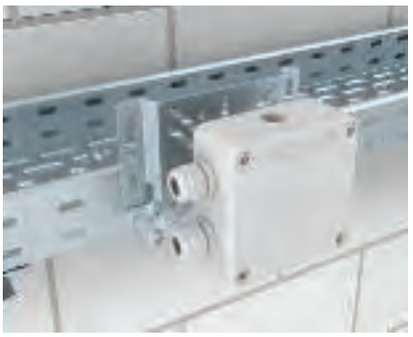


Installation of bottom end plate
The bottom end plate is fastened to the end of the cable tray. It is used to protect outgoing cables.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mounting plate with quick fastening
Fastening of the mounting plate, type MP, on the side rail of the cable tray. The mounting plate can be fastened to the rail with quick connectors, and permanently fastened using truss-head bolts of type FRSB 6x12 mm.



Universal mounting plate
The MP UNI mounting plate is fastened on the side rail of the cable tray using a truss-head bolt.



Installation of cover with turn-buckle.
Cover with turn-buckles are fastened by turning the turn-buckle through 90°. Clamp fastening takes place under the rolled side rail of the cable tray.



Screwless cover fastening with cover clamp
Screwless cover mounting takes place with covers and the cover clamps, type DKU. The cover clamp is simply fixed in the perforation of the cable tray.



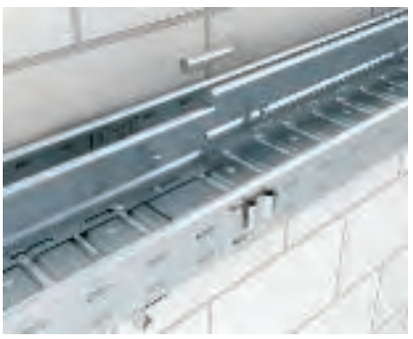
Installation of cover for fitting
The fitting cover is installed using turn-buckles. To fit it, turn the turn-buckle through 90°.



Edge protection strip for plate ends
The edge protection strip can be used to cover the edges of plates. When selecting the strip, please take the appropriate plate thickness into account.



Screwless barrier strip mounting
Screwless mounting of the barrier strip TSG ... with clamping piece KS KR. The barrier strip can be run over the joint without machining and can be connected without bolts using the TSGV barrier strip connector.



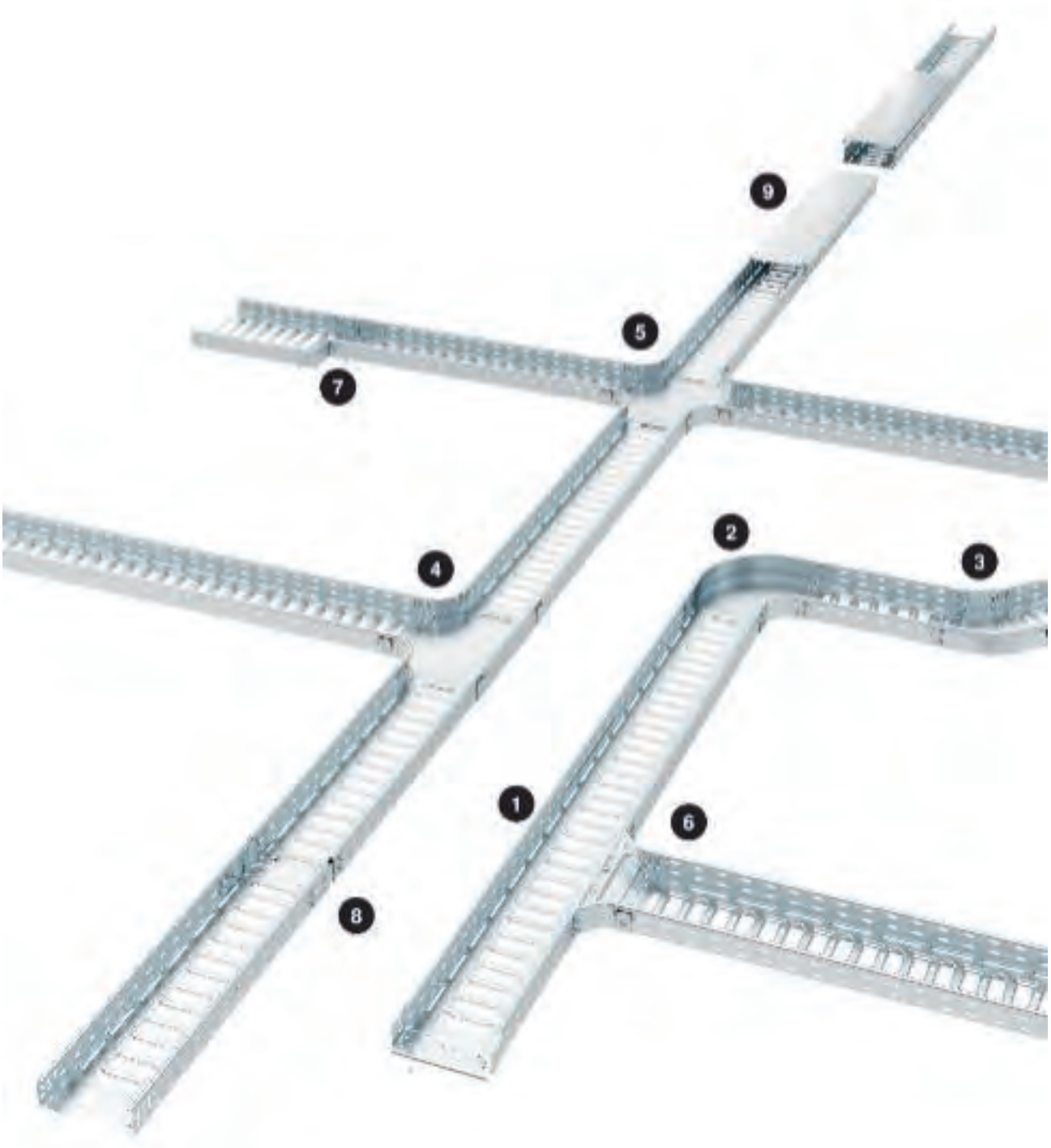
Screwed barrier strip mounting
Screwed barrier strip fastening of the barrier strip, TSG 60, with truss-head bolts M6x12. The barrier strip can simply be run over the joint and connected without bolts using the barrier strip connector TSGV.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, cable tray system MKSM, SKSM

System components

1	MKSM / SKSM / IKSM cable tray
2	90° Magic bend
3	45° Magic bend
4	Magic Tee
5	Magic cross-over
6	Magic add-on tee
7	Reducer / stop-end
8	Magic straight connector set
9	Cover with turn buckle



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

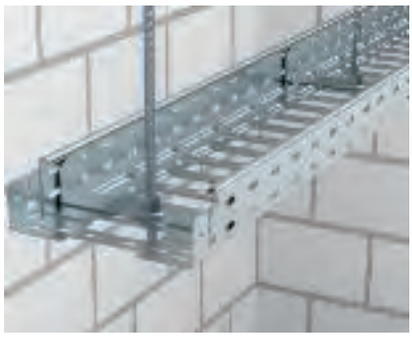
System description, cable tray system MKSM, SKSM



The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range with suitable system components can create perfect solutions to any task. No matter whether used in dry inner areas or in aggressive atmospheres: Different surface versions and materials ensure safe corrosion protection. Side heights of 60, 85 and 110 mm are available. Due to the high hole proportion of 30% and more, the perforated cable trays MKSM and SKSM of widths of 200 mm or greater are ideally suited for use beneath sprinkler systems. The IKSM cable tray also has large openings in the side rail, which can be used for cable entries or exits.
The complete system is supplemented by connectable, screwless fittings with Magic connection. The system also includes all types of connectors and additional accessories such as barrier strips, joint plates, mounting plates and covers.
You can find detailed mounting examples and article descriptions on the following pages.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

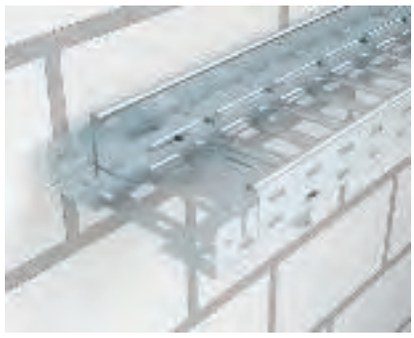
Mounting aid, cable tray system MKSM, SKSM



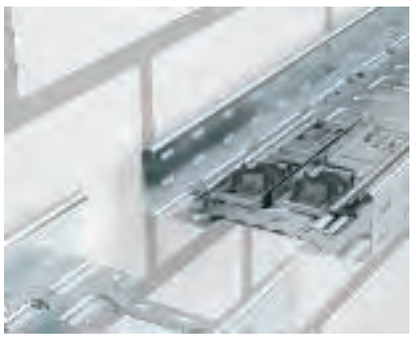
Centre suspension application
Centre suspension of the cable tray systems MKSM, SKSM and IKSM with a central hanger, type MAH, and threaded rod 2078/M10.



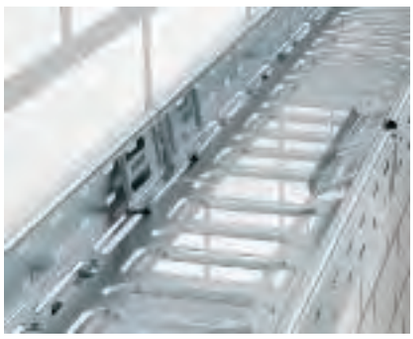
Ceiling mounting application
Ceiling mounting of a cable tray with support and wall and support bracket.



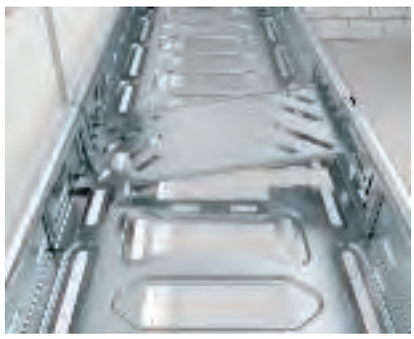
Wall mounting application with bracket
Standard mounting of a cable tray on the wall with wall and support brackets.



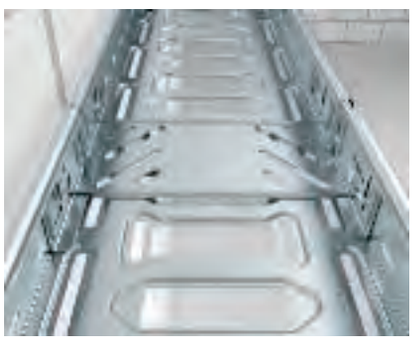
Magic KTSMV straight connector set
Cable tray connector set with quick fastening for straight, screwless connection of cable trays and fittings. The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



Mounting of Magic KTSMV straight connector set
Simply clamp the two side sections of the connector set in the side rail.



Mounting of Magic KTSMV straight connector set
Insert the corresponding joint plate, push it down and simply lock it in place. To strengthen the connection, we recommend screwing on the joint plate for widths of more than 400 mm.



Mounting of Magic KTSMV straight connector set
Correctly used KTSMV straight connector set.

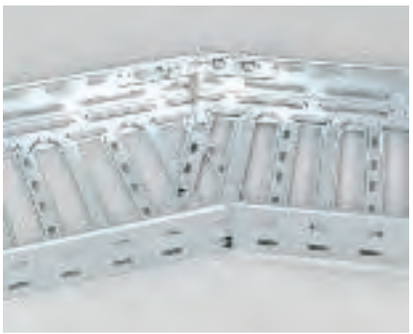


Horizontal angle connection of cable trays
Step 1: After specifying the required angle, the side rail is cut off on one side.

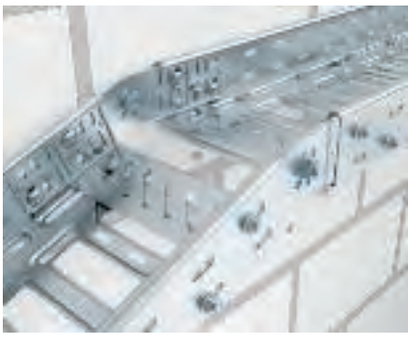


Horizontal angle connection of cable trays
Step 2: In the counterpiece, remove the side rail and also the floor plate after applying the angle.

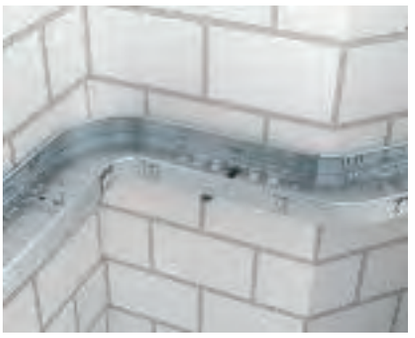
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Horizontal angle connection of cable trays
Step 3: After this step, place the two ends of the cable tray over one another and screw them to the base and the side rail. Appropriate angle connectors are required to screw on the side rail.



Vertical adjustable connection of cable trays
Vertical adjustable connection of cable tray for construction-side height jumps of any angle.



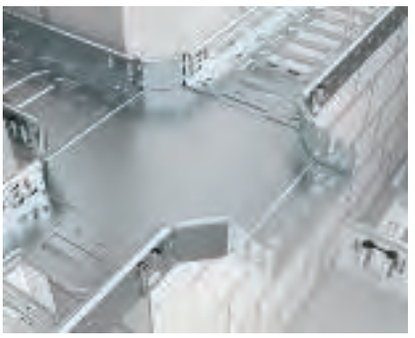
Mounting of Magic bend
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



Mounting of Magic mounting/branch piece
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



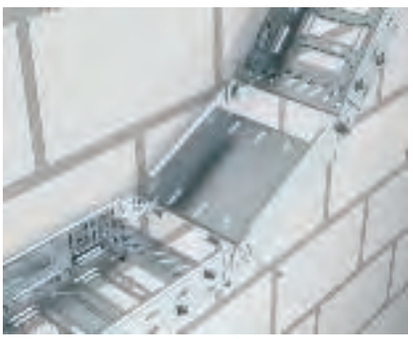
Mounting of Magic T branch piece
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



Mounting of Magic intersection
Mounting of fittings by simple interconnection. For this, the cable tray with the spring side is locked into the fitting connection from above.



90° bend (rising/falling)
90° bend, rising or falling, for the creation of simple vertical changes of direction.

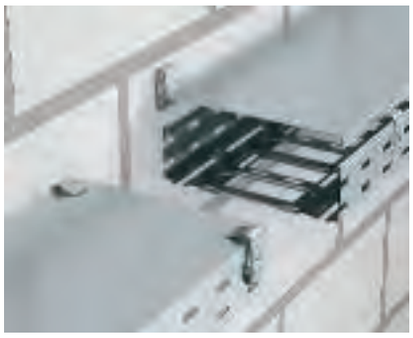


Installation of adjustable vertical bend element
Installation of the adjustable vertical bend element for the creation of adjustable bends. The adjustable vertical bend element is connected to the cable tray using adjustable connectors.

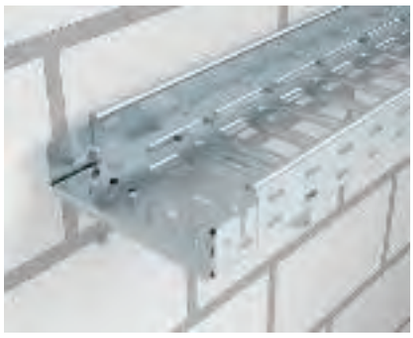


Installation of rising adjustable vertical bend
Adjustable vertical bend to bridge height offsets. The adjustable vertical bend is connected with to the cable tray using the adjustable connectors.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Screwless cover mounting
Screwless installation of the cover, type DRLU, on a cable tray using the cover clamp, type DKU. The cover clamp locks in the top hole of the side rail.



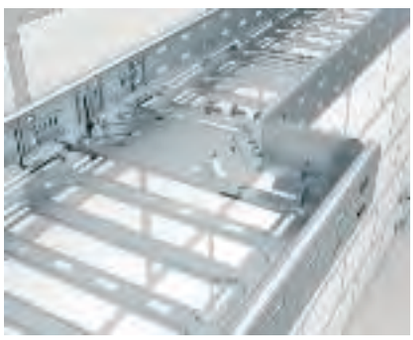
Installation of bottom end plate
Fastening of the bottom end plate, type BEB, to protect the cables.



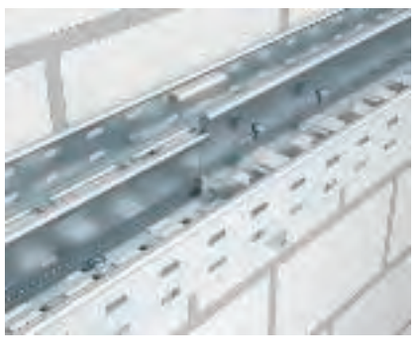
Mounting plate with quick fastening
Fastening of the mounting plate, type MP, on the cable tray. The mounting plate can be fastened to the rail with quick connectors, and permanently fastened using truss-head bolts of type FRS B.



Universal mounting plate
Fastening of the mounting plate, type MP UNI, on the cable tray.

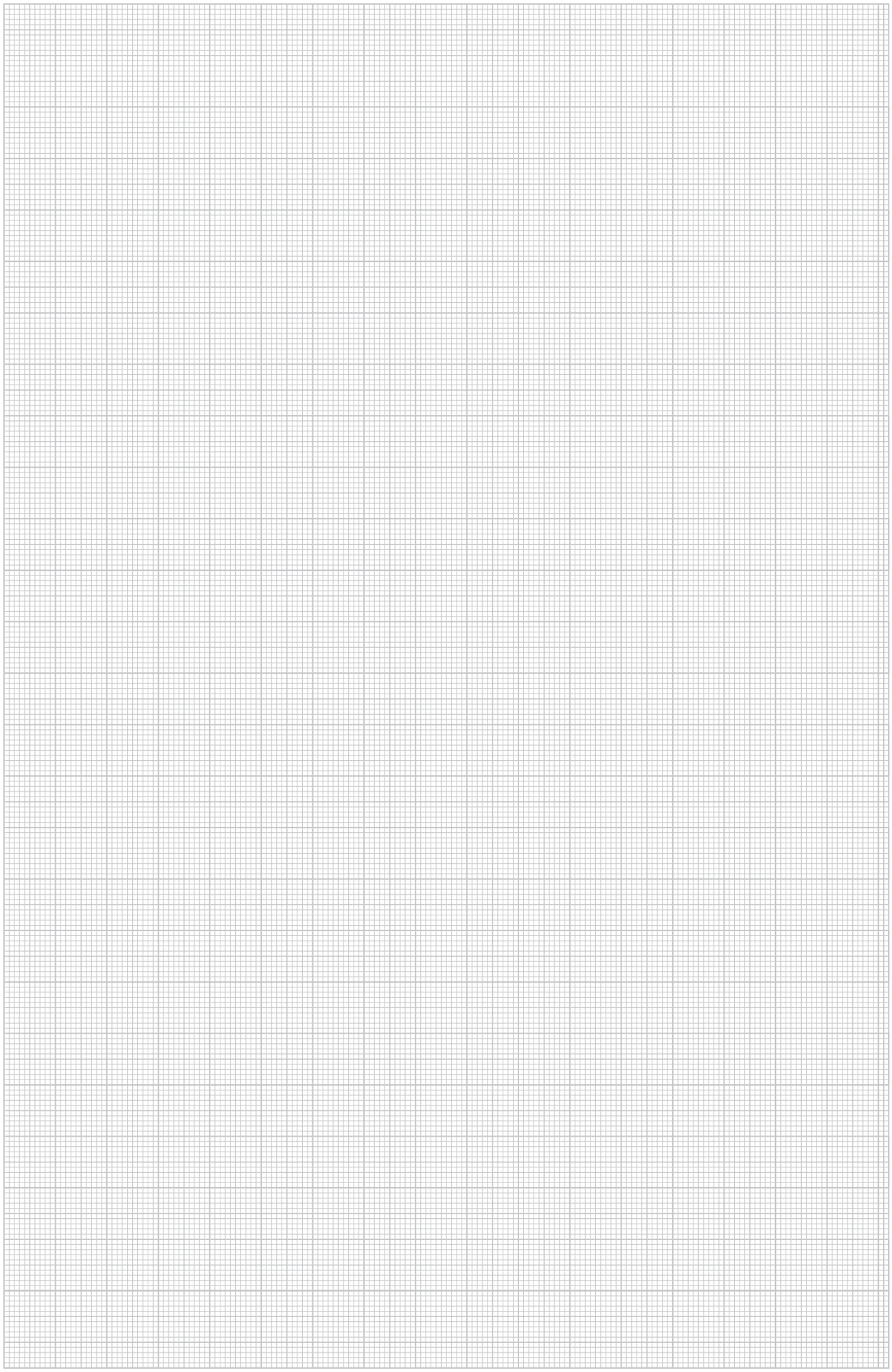


Installation of reducer / stop-end
The reducer / stop-end plate component is used as closure and to reduce the width of cable trays.



Barrier strip mounting with screw connection
Screwed barrier strip fastening of the barrier strip, TSG 60, with truss-head bolts M6x12. The barrier strip can simply be run over the joint and connected without bolts using the barrier strip connector TSGV.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, walkable cable tray system

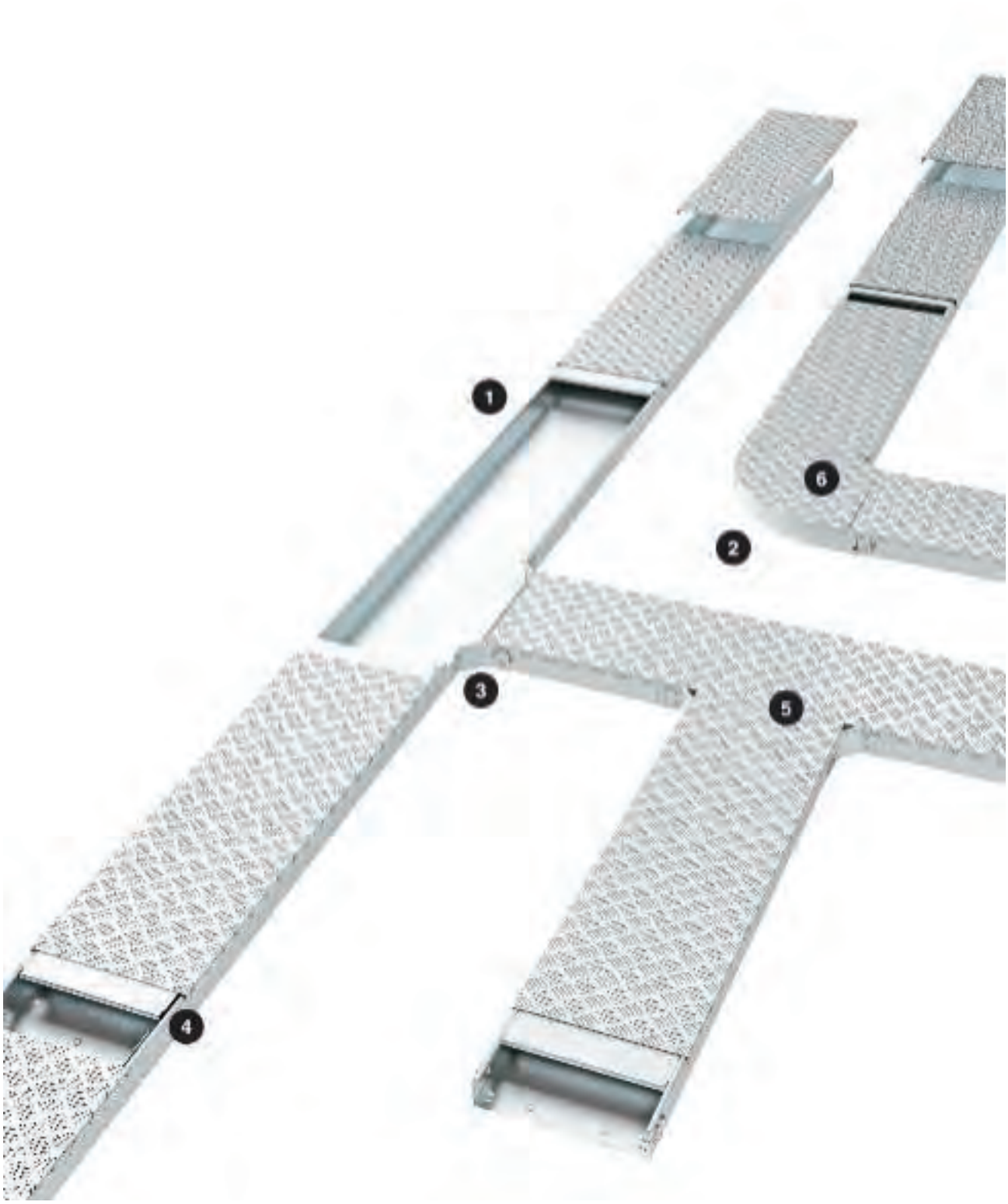


Mounting aid, walkable cable tray system 92

Installation principle, cable tray systems

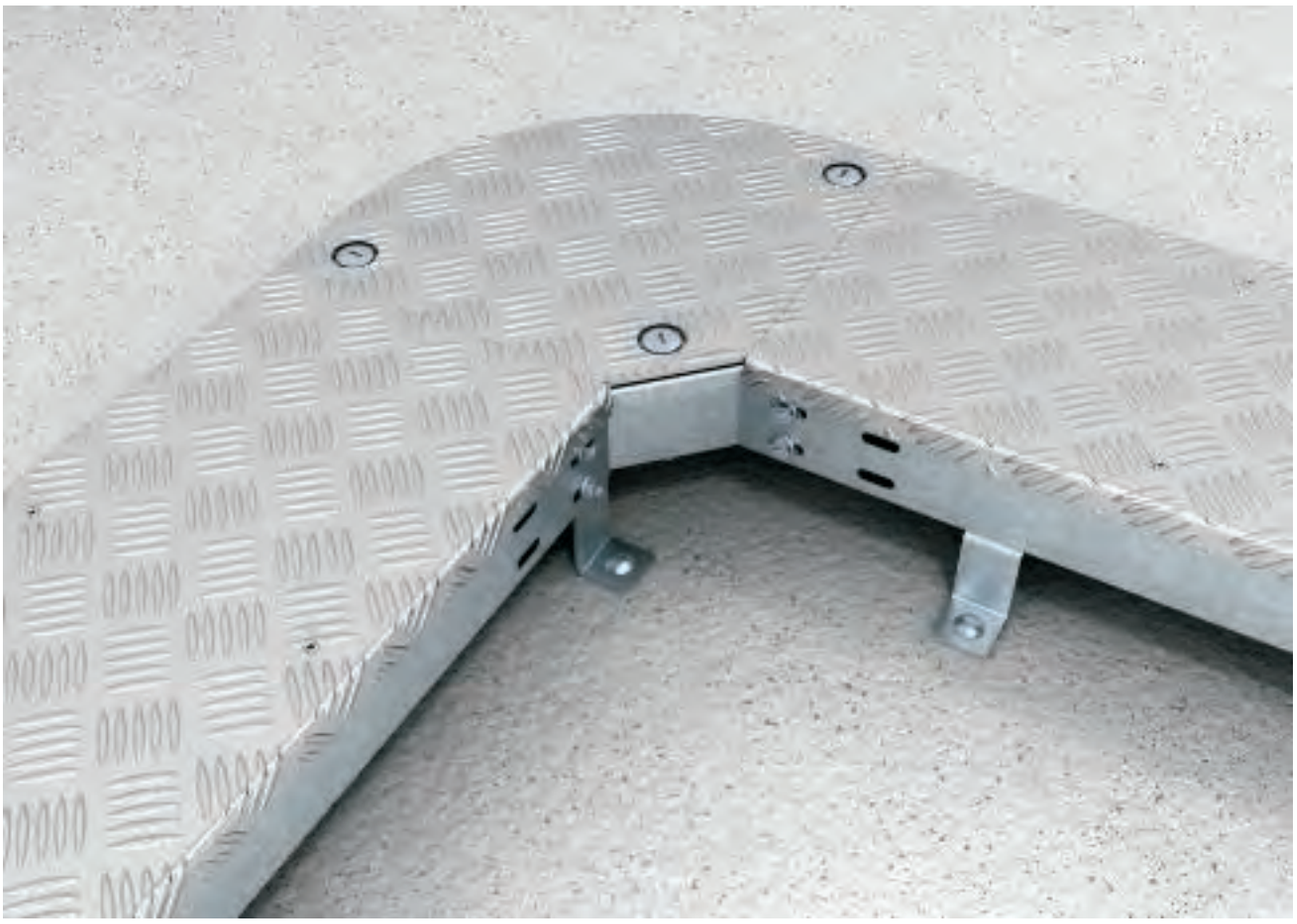
System components

1	SKSU cable tray
2	90° bend
3	Add-on tee
4	Straight connector set
5	Cover with chequer plate
6	Cover with chequer plate for 90° bend



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, walk-on cable tray system



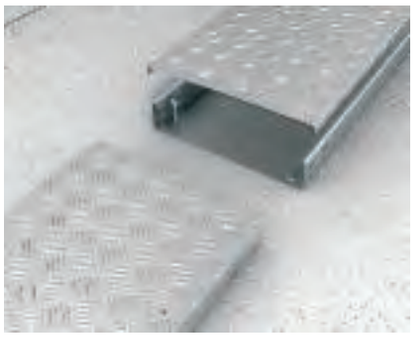
Optimised for worldwide use in systems construction and in the automotive industry with its automated production lines, the walkable cable tray system from OBO Bettermann is ready for any task. The non-slip, impact-resistant aluminium profile-reinforced covers and the unperforated cable trays, type SKSU, which serve as the base, are absolutely suitable for the rough and tumble of everyday work. Comprehensive accessories, such as bends, mounting/branch pieces, connectors with lid supports, separating retainers and all the fastening materials optimise this system for universal use and ensure a flexible system, which enables low-cost installations.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, walk-on cable tray system



Walkable cable tray system application
Walkable cable tray system, with stand-off on U profile structure.



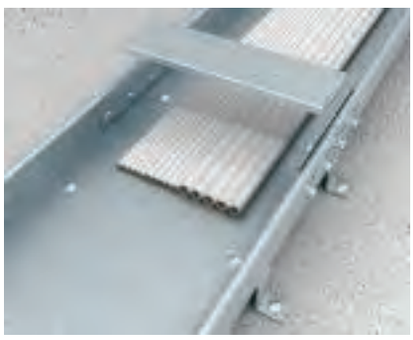
Floor application
Installation of the walkable cable tray system directly on the ground.



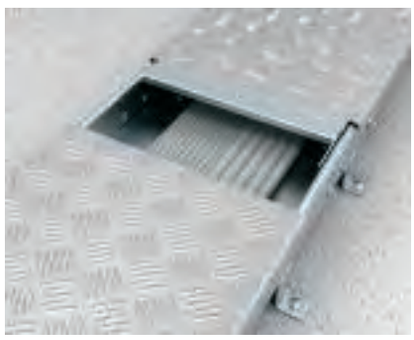
Stand off application
Installation and fastening of the walkable cable tray system for floor stand-off.



Straight connection
Creation of a straight cable tray connection using the combined straight connector / cover support, type RVS.



Installation of cover support
Insertion of the cover support, type RVS, on the straight connectors after cable routing.



Installation of cover support
Installation of an additional cover support in the centre of the cable tray for additional cover stabilisation from a width of 400 mm.



Barrier strip fastening
Installation of a barrier strip within the tray to separate cables and/or circuits and for additional cover stabilisation from a width of 400 mm.



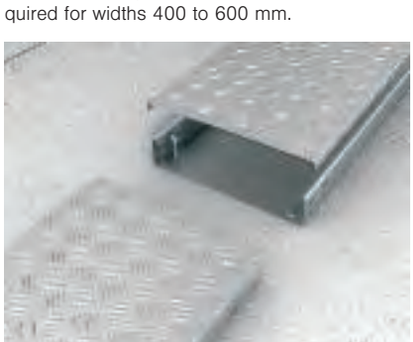
Installation of bend
Bends of width 100 to 300 mm are pushed into the rail on the one side and over the connector on the other; standard connectors are required for widths 400 to 600 mm.



Installation of add-on tee
To install the add-on tee, type RAA, separate the cable tray rail and insert it in the add-on tee and screw it tight.



Cover mounting
Quick mounting of the cover through simple clipping on the cable tray.



Direct floor mounting
Installation of the walk-on cable tray system directly on the ground with nail tie, type FNA, or anchor bolt, type FAZ II.



Standoff
Floor stand-off of the walkable cable tray system with the stand-off bracket, type DBL.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mounting variant
Floor stand-off of the walkable cable tray system with special structure made of U supports. Mounting variant for possible installation of additional items beneath the cable tray.

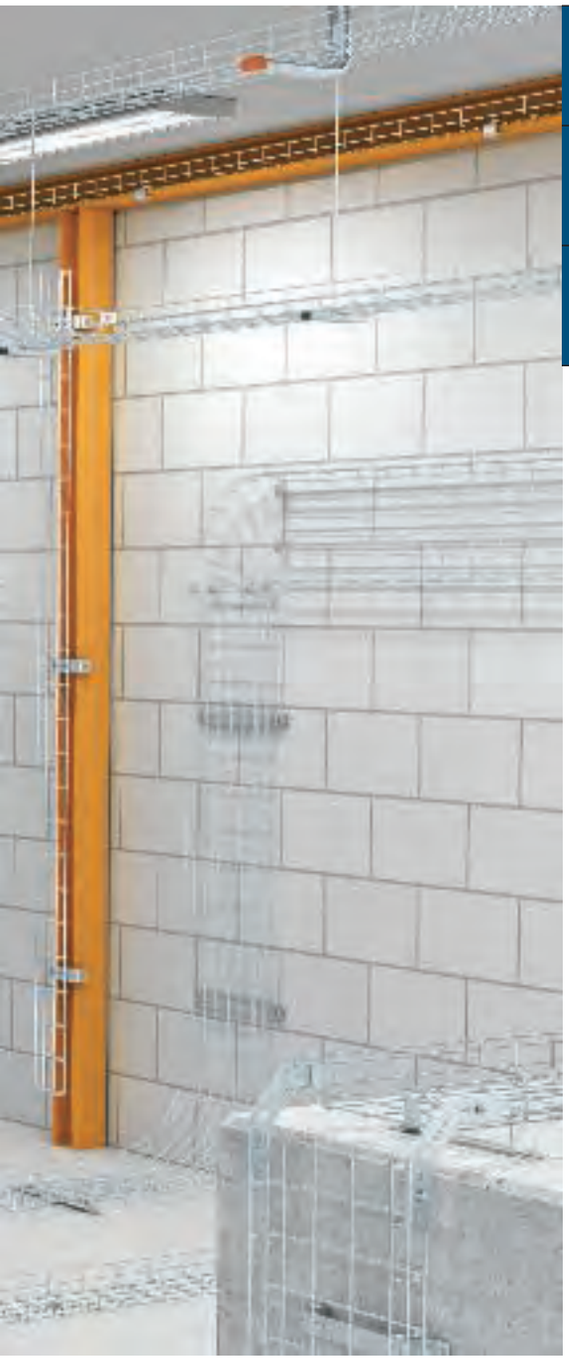


Complete installation
Illustration of complete installation of the walkable cable tray system.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, mesh cable tray systems

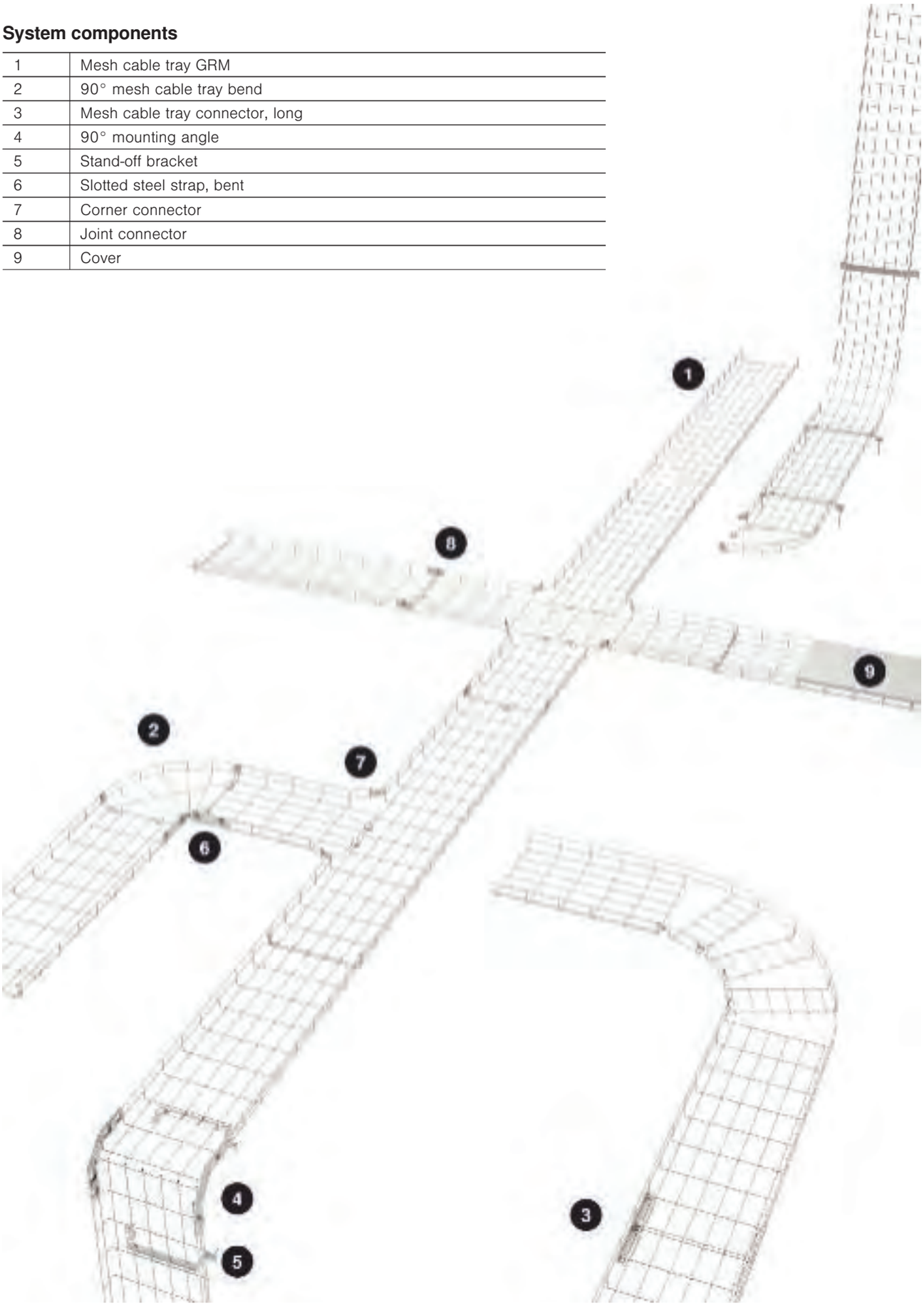


Mounting aid, mesh cable tray GR-Magic	98
Mounting aid, G mesh cable tray	104
Mounting aid, C mesh cable tray	106

Installation principle, mesh cable tray systems

System components

1	Mesh cable tray GRM
2	90° mesh cable tray bend
3	Mesh cable tray connector, long
4	90° mounting angle
5	Stand-off bracket
6	Slotted steel strap, bent
7	Corner connector
8	Joint connector
9	Cover



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

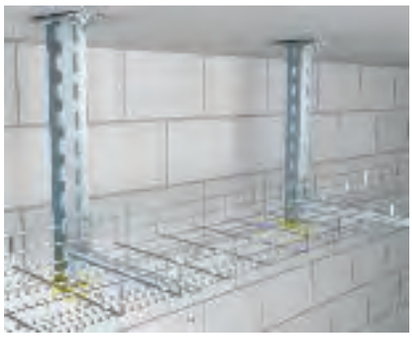
System description, mesh cable tray systems



OBO Bettermann's mesh cable tray systems are the ideal basis for quick, safe and economical cable routing in all areas of professional electrical installations. The GR-Magic mesh cable tray system with shaped connector for screwless quick mounting guarantees the shortest possible installation times, even for complex installation operations. The mesh cable trays are available with side heights of 35, 55 and 105 mm in the electrogalvanised "Titan look" version, hot-dip galvanised version and in stainless steel. The comprehensive range of practical accessories, such as mesh cable tray bends, clamping pieces, quick connectors, separating retainers, suspension profiles, brackets, etc. ensures that the product range is complete down to the smallest detail.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

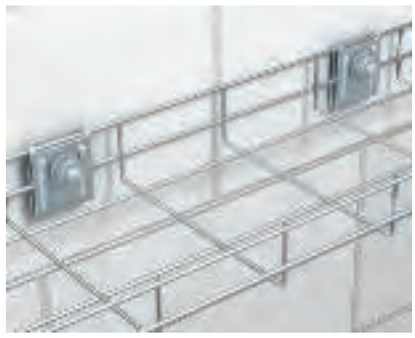
Mounting aid, mesh cable tray system



Ceiling mounting application
Mounting of mesh cable tray with support, type US 3 K/... and appropriate wall and support bracket AW 15/...



Wall mounting GRM 35 50
Wall mounting for direct wall fastening of mesh cable trays GRM 35 50.



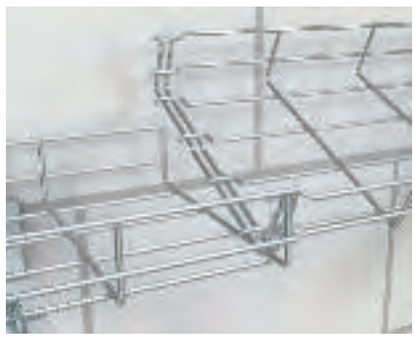
Wall mounting of mesh cable trays
Wall mounting of mesh cable trays with wall bracket, type K 12 1818. Maximum mesh cable tray width 200 mm.



Ceiling mounting with TP wall and ceiling bracket
Ceiling mounting of a mesh cable tray with TP wall and ceiling bracket, type TPDG. The mesh cable tray is fastened to the ceiling bracket without screws.



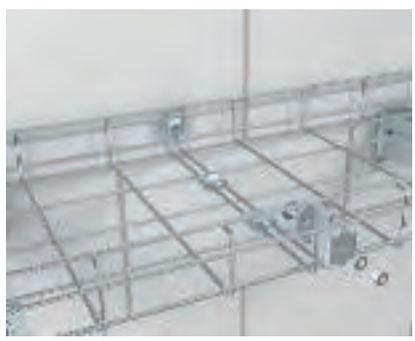
Ceiling mounting with TP support and bracket
Screwless mounting of a mesh cable tray on brackets of type TPSAG/...



Straight connection of Magic® mesh cable tray
Creation of a screwless straight connection of the mesh cable tray, type GR-Magic®, by interconnecting two stock lengths.



Straight connection of Magic® mesh cable tray
The permanent, stable connection is created by simple joining together.

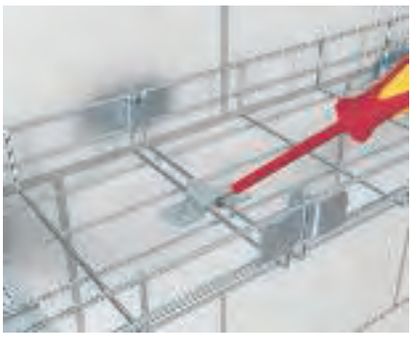


Screwed straight connection of mesh cable trays
Creation of a screwed straight connection of mesh cable trays with joint connectors, type GSV 34.

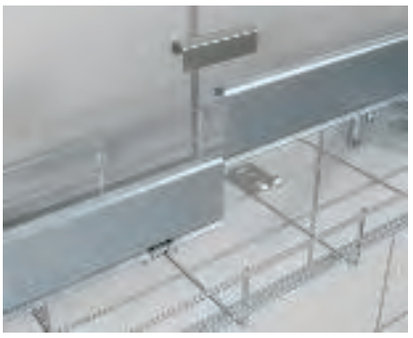


Screwless straight connection with quick connectors
Creation of a screwless straight connection of mesh cable trays using a quick connector, type GRV.

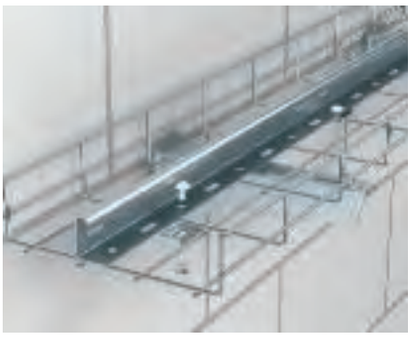
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



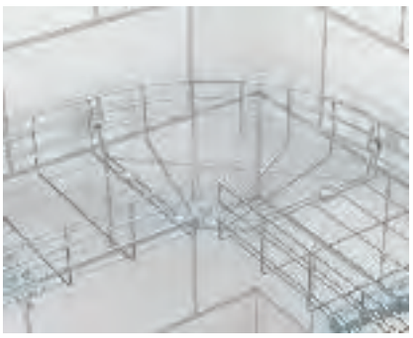
Screwless straight connection of mesh cable trays
Creation of a screwless straight connection of mesh cable trays with joint connectors, type GRS.



Screwless barrier strip fastening
Screwless fastening of a barrier strip in mesh cable trays with clamping piece, type KS GR. The screwless straight connection of the barrier strip is made using the barrier strip connector TSGV.



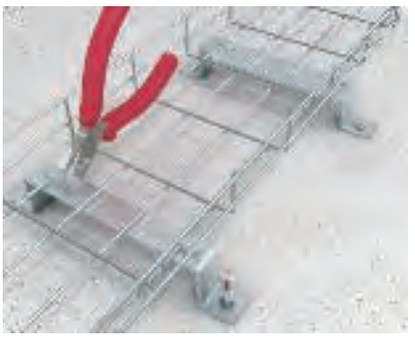
Screwed-on barrier strip fastening in mesh cable trays
Fastening a barrier strip in mesh cable trays with clamp, type GKT 38.



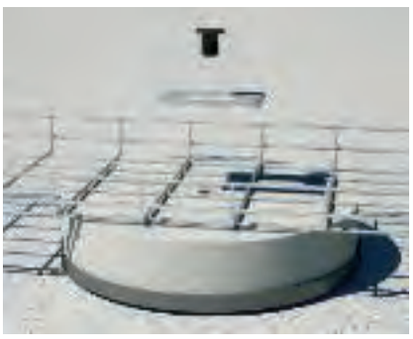
Installation of a mesh cable tray bend
Installation of a mesh cable tray bend, type GRB 90, with joint connectors, type GSV 34, and corner connector, type GEV 36.



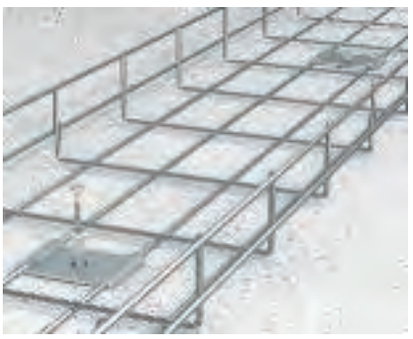
Installation of a mesh cable tray bend
Installation of a complete mesh cable tray bend using joint connectors, type GSV 34, and bent slotted steel strap.



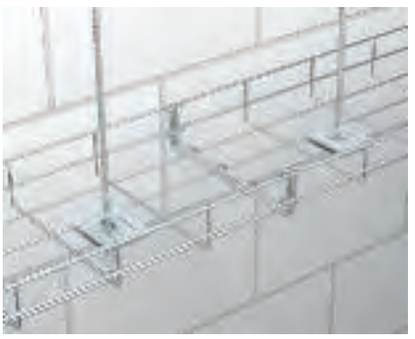
Standoff of mesh cable trays
Floor stand-off of mesh cable trays with the stand off bracket, type DBLG 20/... Screwless fastening of the mesh cable tray on the stand off bracket using clamping lugs.



Mounting adapter for mesh cable trays on stand systems
Mounting system TrayFix for fastening mesh cable trays on FangFix blocks of 10 or 16 kg for cable routing on flat roofs.



Direct floor fastening
Direct floor mounting of mesh cable trays using clamp, type GKS 50.

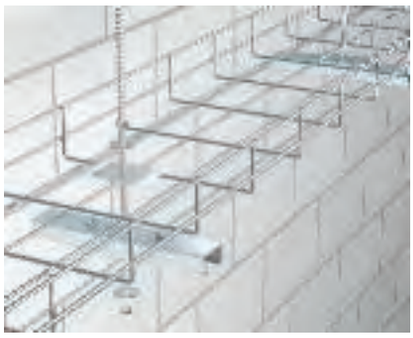


Centre suspension
Suspension of a mesh cable tray using threaded rod, type 2078, and central suspension hanger, type K12 1818. Use with widths of up to 200 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



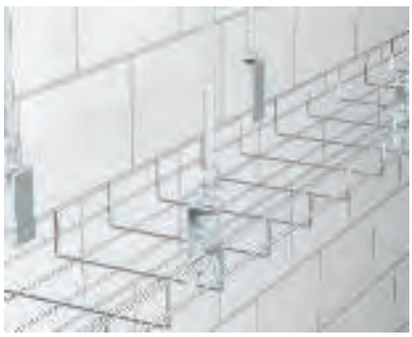
Trapeze suspension
Suspension of a mesh cable tray using threaded rod, type 2078, and central suspension hanger, type K12 1818. Use with widths of 300 mm or more.



Suspension with central suspension hanger
Suspension of a mesh cable tray with central suspension hanger, type GMS, and clamp, type GKS 50.



Centre suspension with suspension profile
Centre suspension with suspension profile, type AP 45, floor bracket, type K 109, and ceiling angle, type K6/101.



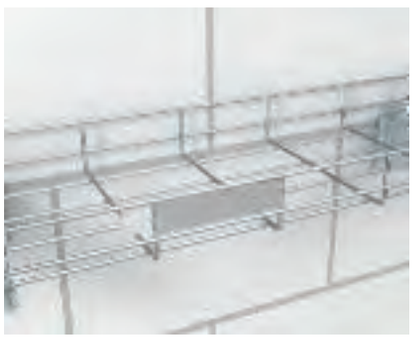
Suspension with side holder
Suspension of a mesh cable tray with side holders, type SH M 10 and threaded rods, type 2078/M10.



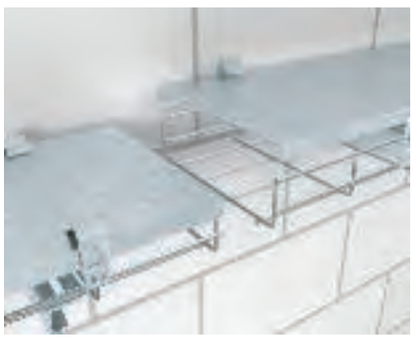
Side holder
Installation of the conduit take off bracket, type SH KAB, for accepting cable glands.



Mounting plate
Screwless quick fastening of the mounting plate, type MP UNI.



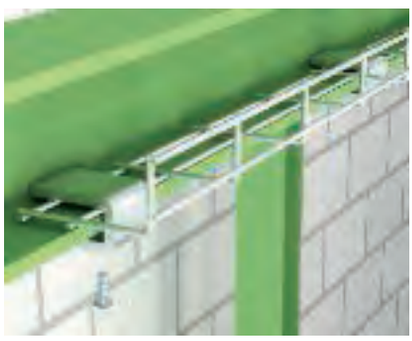
Identification plate
Installation of the identification plate, type KS-GR, in the side rail of the mesh cable tray.



Cover mounting
Mesh cable tray with cover, type DRLU. Cover fastening with cover clamp, type DKU, on the transverse wire of the mesh cable tray.



Girder clamping application
Vertical mesh cable tray mounting, fixed with beam clamp, type BFK, and clamp, type GKS 50, to steel girder.

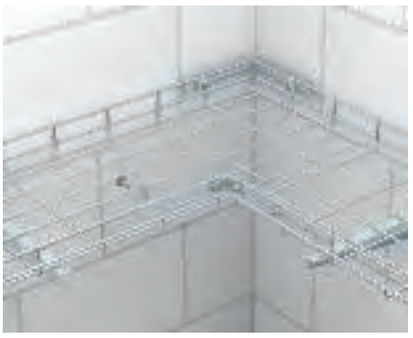


Installation of mesh angle
Fastening of the mesh angle, type GW 40/80, to steel girders using beam clamps, type KL 20 or KL 30.

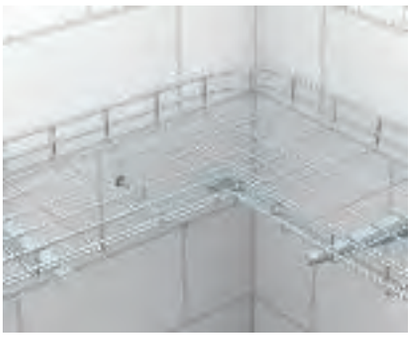
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Creation of a mesh cable tray bend – angular, overlapping
After appropriate cutting of the mesh cable trays, they can, together with joint connectors, type GSV 34, and an overlapping bent slotted steel strap, be combined to an angular mesh cable tray bend.



Creation of a mesh cable tray bend – angular
After appropriate cutting of the mesh cable trays, they can, together with joint connectors, type GSV 34, and a bent slotted steel strap, be combined to a non-overlapping, angular mesh cable tray bend.



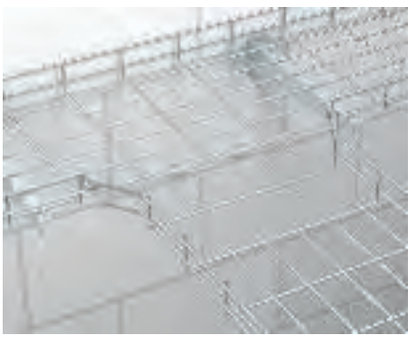
Creation of a mesh cable tray bend – round, overlapping
After appropriate cutting of the mesh cable trays, they can, together with joint connectors, type GSV 34, and an overlapping bent slotted steel strap, be combined to a round mesh cable tray bend.



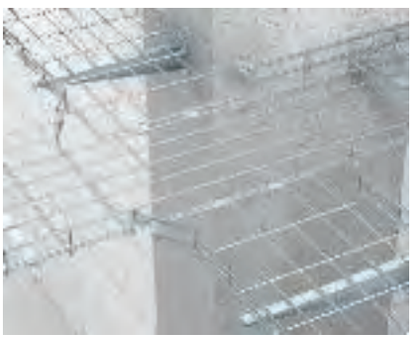
Creation of a mesh cable tray bend - round
Cutting out every second grid allows the creation of mesh cable tray bends with a larger radius. Fixing takes place using corner connectors, type GEV 36.



Rising and falling bends
Rising and falling vertical bends can be created by cutting every second grid in the side rail of the mesh cable tray.



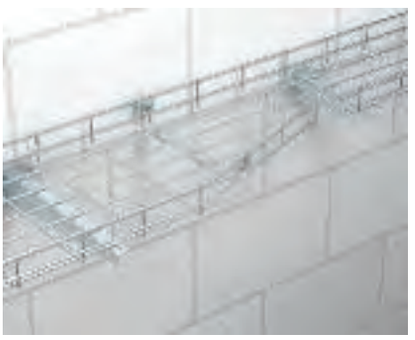
Creation of a mesh cable tray tee
After cutting the side rails and bending the straps, the corner connector, type GEV 36, and the joint connector, type GSV 34, can be used to create tees.



Creation of a mesh cable tray cross-over
After cutting the side rails and bending the straps, the corner connector, type GEV 36, and the joint connector, type GSV 34, can be used to create cross-overs.



Creation of a vertical exit
After cutting the mesh cable tray base, the vertically branching, cut mesh cable tray can be fixed using the joint connector, type GSV 34.

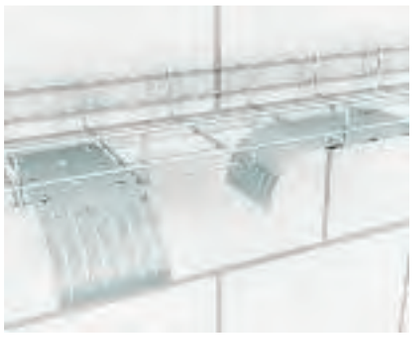


Creation of a reduction
Reductions are possible by single-sided cutting of the different mesh cable tray widths, bending the flaps in the required direction and using the corner connectors, type GEV 36, and the joint connector, type GSV 34.



Mesh cable tray with cable exit plate

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mesh cable tray with cable exit plate
The cable exit plate can be installed in lengthwise and transverse directions.



View of a complete installation
Illustration of complete mesh cable tray mounting.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

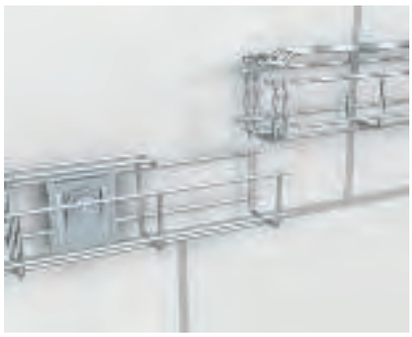
System description, G mesh cable tray systems



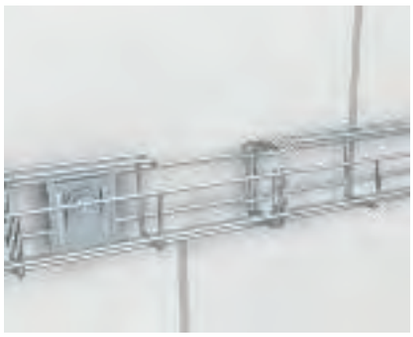
The Magic G mesh cable tray is the ideal extension of the Magic solutions for the OBO Bettermann mesh cable tray systems.
The quick Magic connection means that a screwless and easy-to-mount variant is now offered for the G mesh cable tray system as well.
Even in false ceiling mounting, it is an ideal alternative through direct wall or ceiling mounting. The Magic G mesh cable tray is available in four sizes and three surfaces, thus offering ideal solutions for all kinds of tasks.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

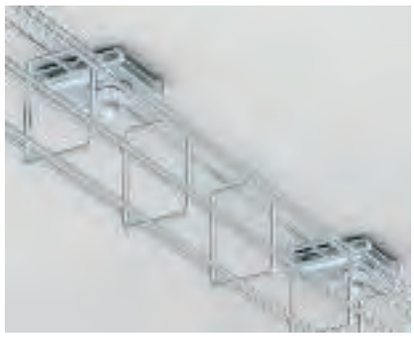
Mounting aid, G mesh cable tray systems



Straight connection of G Magic mesh cable tray
Creation of a screwless straight connection of the G mesh cable tray, type G GR-Magic®, by interconnecting two stock lengths.



Straight connection of G Magic mesh cable tray
The permanent, stable connection is created by plug connection.



Direct ceiling mounting
Direct ceiling mounting of the G mesh cable tray Magic using the clamping piece GKS 50 or GKB 34. Dependent on the grid width.



Ceiling mounting with TP wall and ceiling bracket
Ceiling mounting of a G mesh cable tray with TP wall and ceiling bracket, type TPDG. The mesh cable tray is fastened to the ceiling bracket without screws.



Wall mounting of G mesh cable trays
Wall mounting of G mesh cable trays with wall bracket, type K 12 1818.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

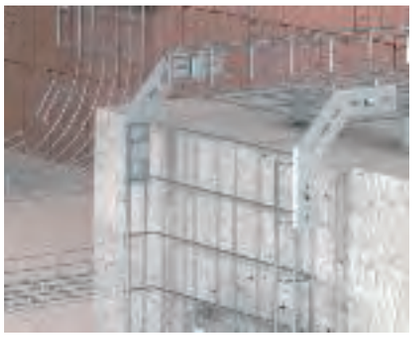
System description, C mesh cable tray systems



The C mesh cable tray system from OBO Bettermann can fulfil the highest requirements for load capacities and versatility. The C shape allows support widths of up to three metres. This system, with its 50 mm side height, together with the optimised accessories such as clamping pieces, quick connectors, separating retainers, suspensions profiles, installation profiles, etc. is an ideal addition to the overall mesh cable tray system and is used both in industry and in all other areas of professional electrical installations.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, C mesh cable tray systems



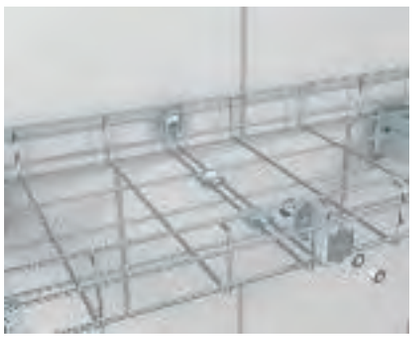
Stand-off with vertical bend application
Installation of a vertical bend using installation profiles, type MW, for stood-off C mesh cable trays.



Wall mounting application
Wall mounting of C mesh cable trays and 90° bend.



Vertical bend application
Vertical bend mounting with 90° installation profile.



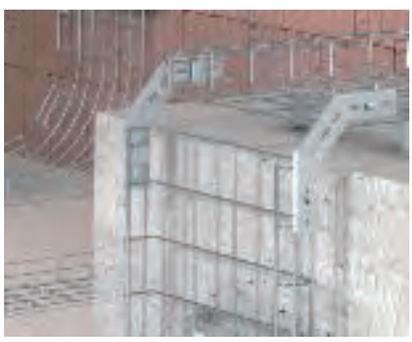
Straight connection of C mesh cable tray
Creation of a straight connection on C mesh cable trays with the joint connector, type GSV 34.



Vertical bends
Implementation of a vertical bend for C mesh cable trays using the installation profile, type MW 90/SL....

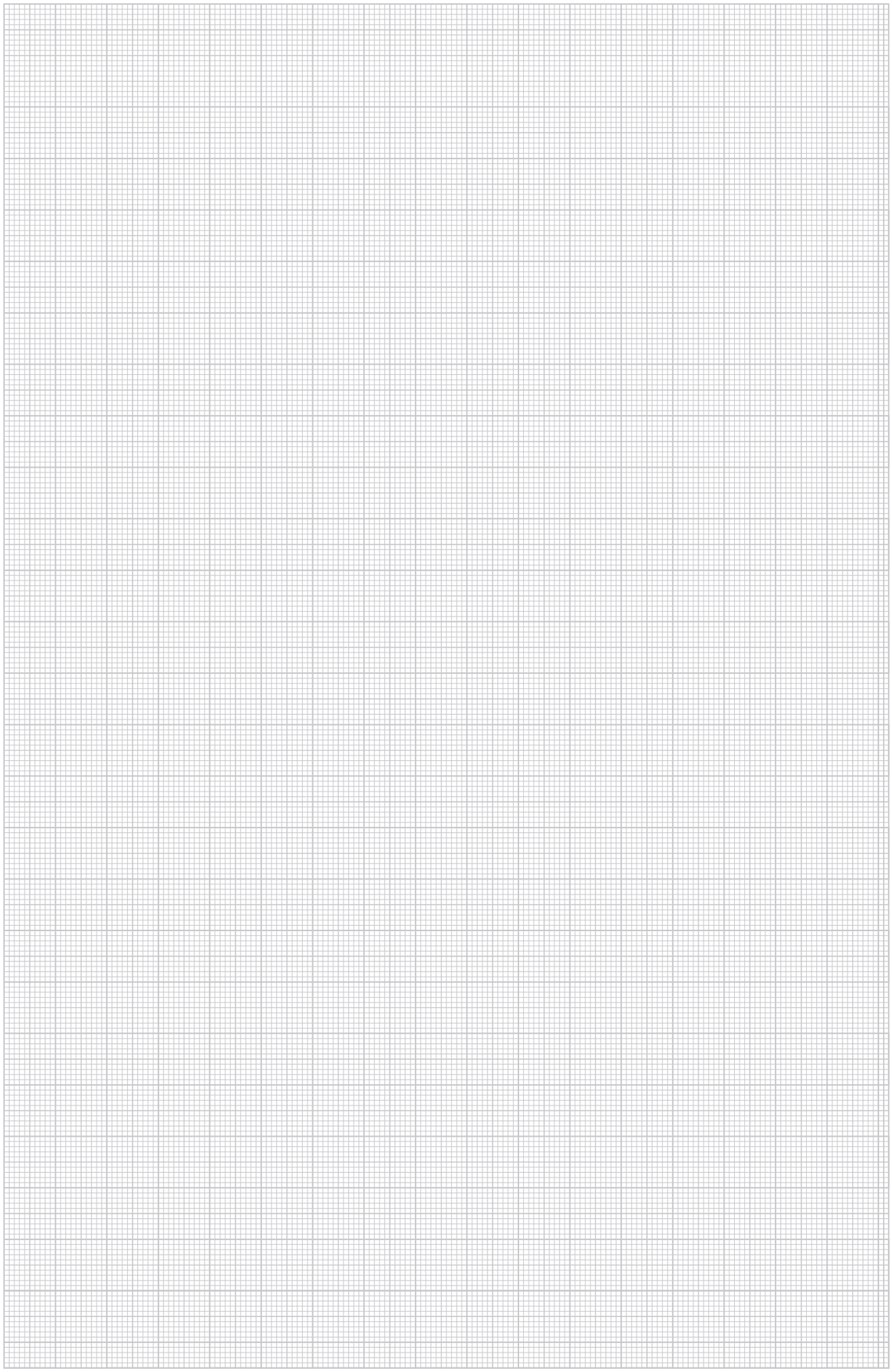


Horizontal bends
Implementation of a horizontal bend for C mesh cable trays with corner connector, type GEV 36.



Complete installation
Illustration of complete C mesh cable tray mounting.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, cable ladder systems

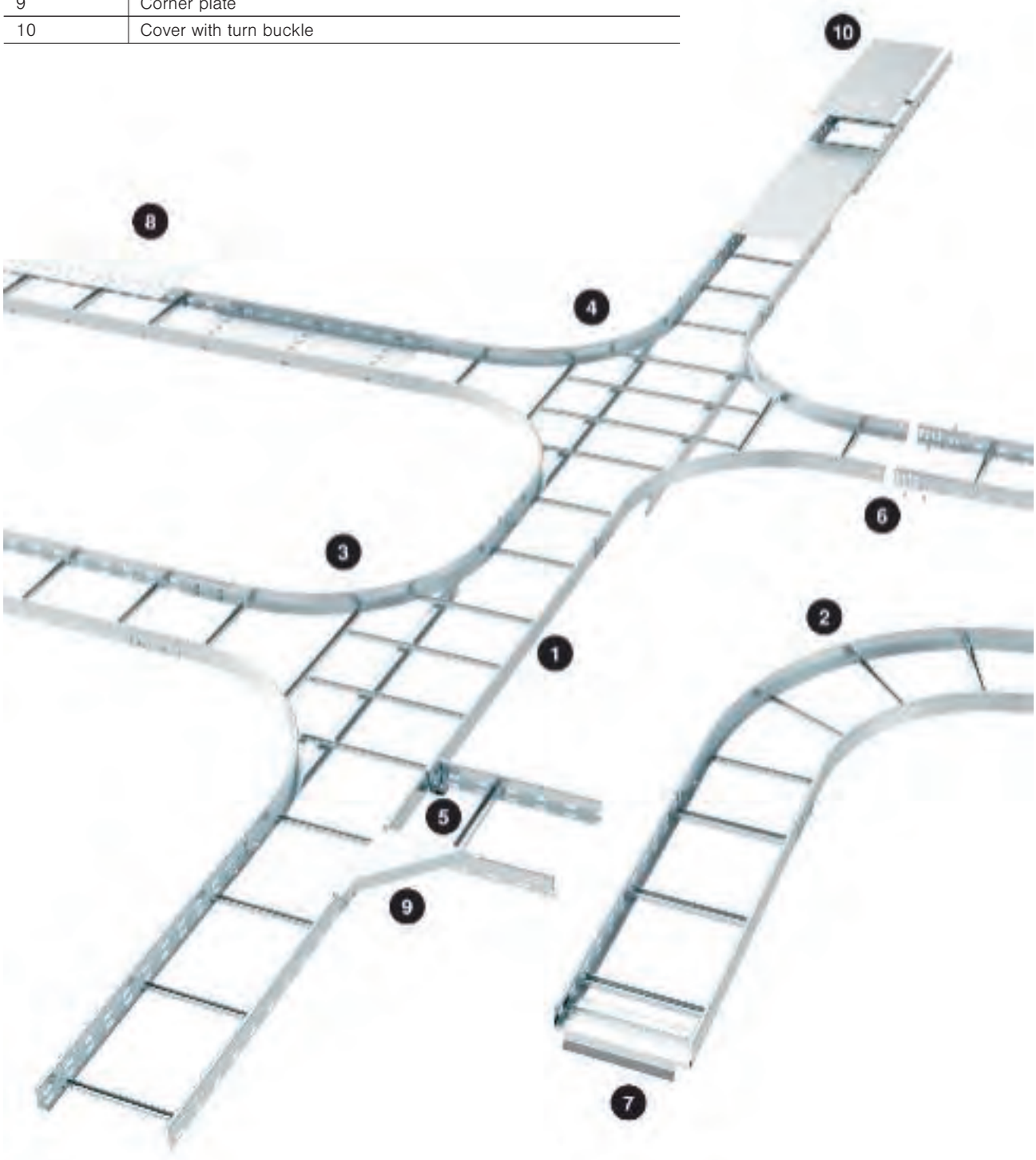


Mounting aid, cable ladder systems 112

Installation principle, cable ladder systems

System components

1	Cable ladder
2	90° bend
3	Tee
4	Cross-over
5	Connector
6	Straight connector
7	Drop-out plate
8	Insert plate
9	Corner plate
10	Cover with turn buckle



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

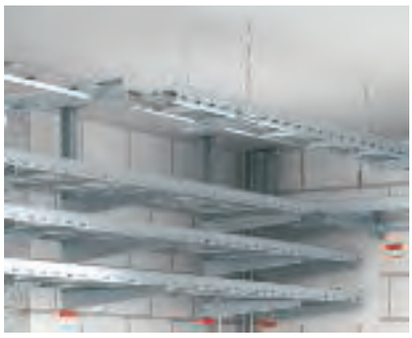
System description, cable ladder systems



The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation benefits. A factor guaranteeing easy mounting is the option of integrated fastening of cables using OBO U clamps to the rungs, which are available in various different versions. OBO cable ladder systems are shipped folded up, thus saving space during transport and storage. OBO cable ladder systems can be supplied in lengths of 3 m and 6 m, in all standard widths from 200 to 600 mm and width rail heights of 45, 60 and 110 mm. On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

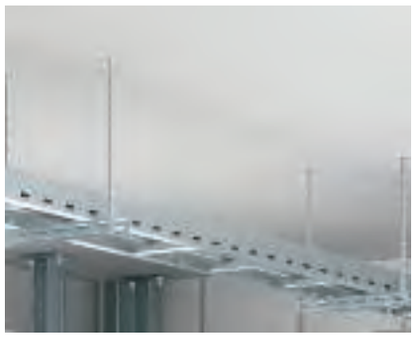
Mounting aid, cable ladder system



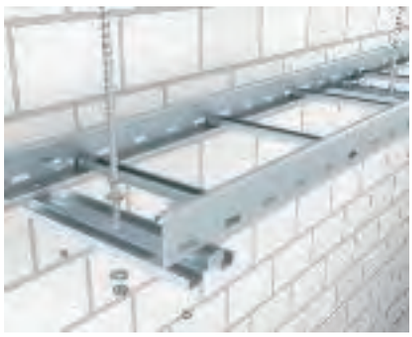
Support and threaded rod suspension application
Example of installing cable ladders with supports of U profiles and threaded rod suspension.



Jump application
Implementation of vertical jumps with adjustable connectors, e.g. for ceiling joists.



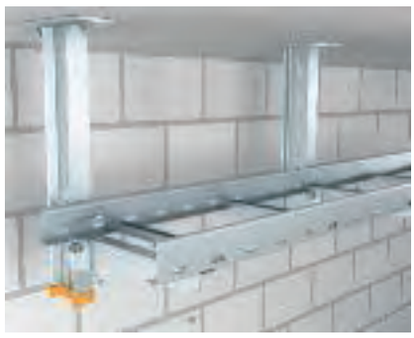
Threaded rod suspension application
Suspension of a cable ladder with threaded rods and U supports as a cross-section.



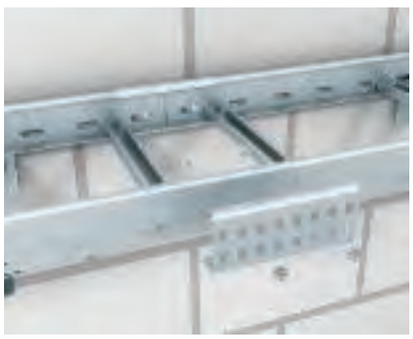
Centre suspension
Threaded rod suspension of a cable ladder using the central hanger, type MAHL, and threaded rod, type 2078/M12.



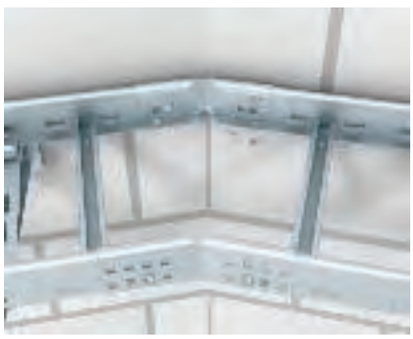
Cable ladder centre suspension with U profile
Installation of a cable ladder with central suspension hanger MAHU and a U support.



Support suspension
Suspension of a cable ladder with supports and support brackets.



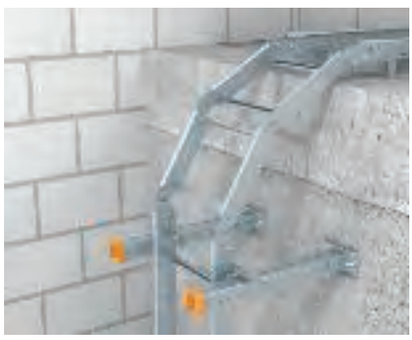
Straight connection of cable ladders
Straight connection of cable ladder with straight connector, type LVG.



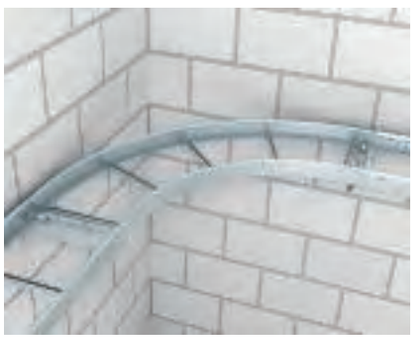
Horizontal angle connection of cable ladders
Horizontal angle connection with straight and angle connectors, type LWVG.



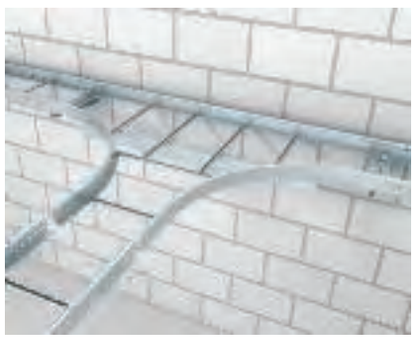
Vertical angle connection of cable ladders
Creation of a vertical angle connection using adjustable connectors, type LGVG.



Installation of falling adjustable vertical bend
Adjustable vertical bend to bridge height offsets. The adjustable vertical bend is connected to the cable ladder using the adjustable connectors.

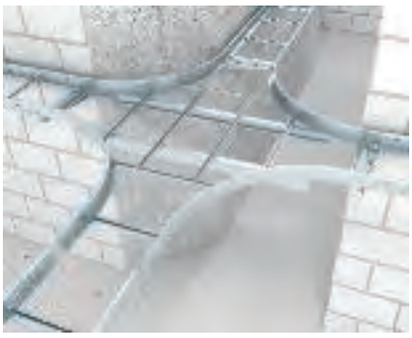


Installation of a cable ladder bend
Connection of the cable ladder with the bend, type LBI 90. Additional supports should be planned for the area of the fittings.

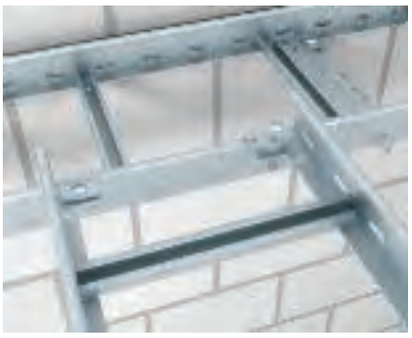


Installation of a tee
Mounting of T branch piece, type LT, to create a horizontal exit. Additional supports should be planned for the area of the fittings.

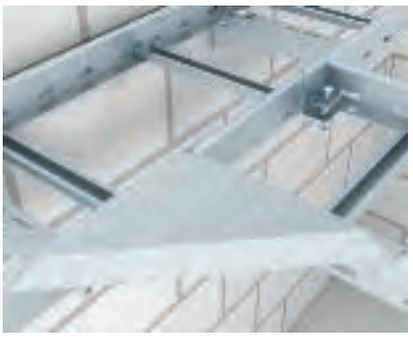
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



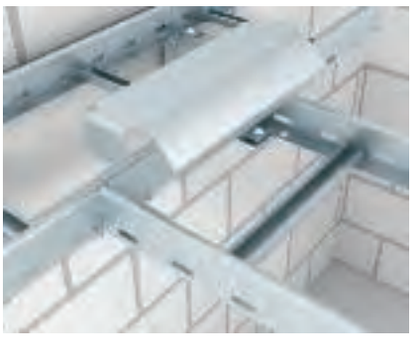
Installation of an cross-over
Installation of an cross-over, type LK, for the creation of two exits. Additional supports should be planned for the area of the fittings.



Installation of tee
Creation of a horizontal tee exit of two cable ladders at different heights. The support angle, type LAW, is required to fix two cable ladders.



Tee with corner plates
Creation of horizontal tees for cable ladders running at the same height. To increase the cable supporting surface, use corner plates of type LEB. Additional supports should be planned for the area of the exits.



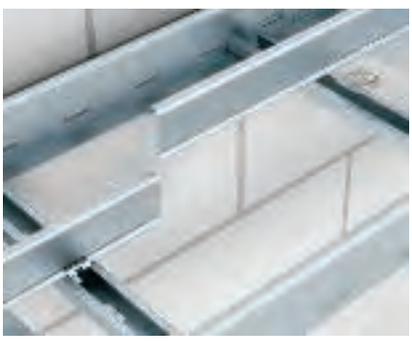
Tee with support plate
Creation of horizontal tees for cable ladders running at the same height. To increase the cable supporting surface and to protect the cables, use support plates, type LALB. Additional supports should be planned for the area of the exits.



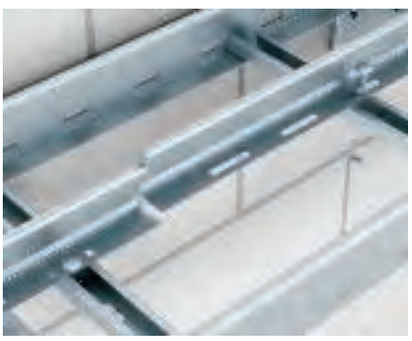
Vertical exit on support/bracket
Installation of a vertical exit in the area of the support/bracket. Fasten the cable ladder using the support, type LAL 70.



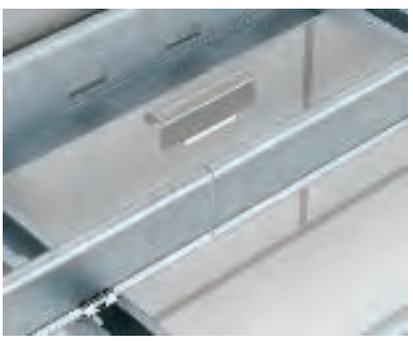
Vertical cable exit
The drop-out plate, type LAB, is used to increase the cable supporting surface for vertically exiting cables and as cable protection.



Screwless barrier strip fastening
Screwless fastening a barrier strip in cable ladders with clamping piece, type KS KL.



Screwed barrier strip fastening
Screwed mounting of the TSG barrier strip through the perforated rung of the cable ladders.



Straight barrier strip connection
Screwless straight connection of barrier strips in cable ladders using the barrier strip TSGV.

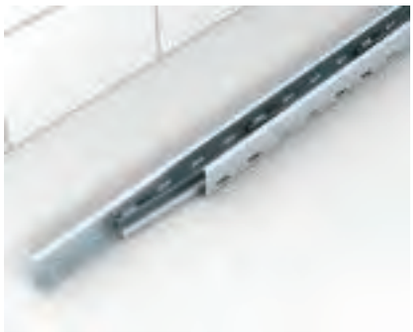


Installation of insert plate
Installation of insert plates, type ELB-L.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cover mounting
Positioning and fastening of the cover on the cable ladder using turn buckle, type DRL.



Cable ladder as-delivered state
All cable ladders are supplied folded up.

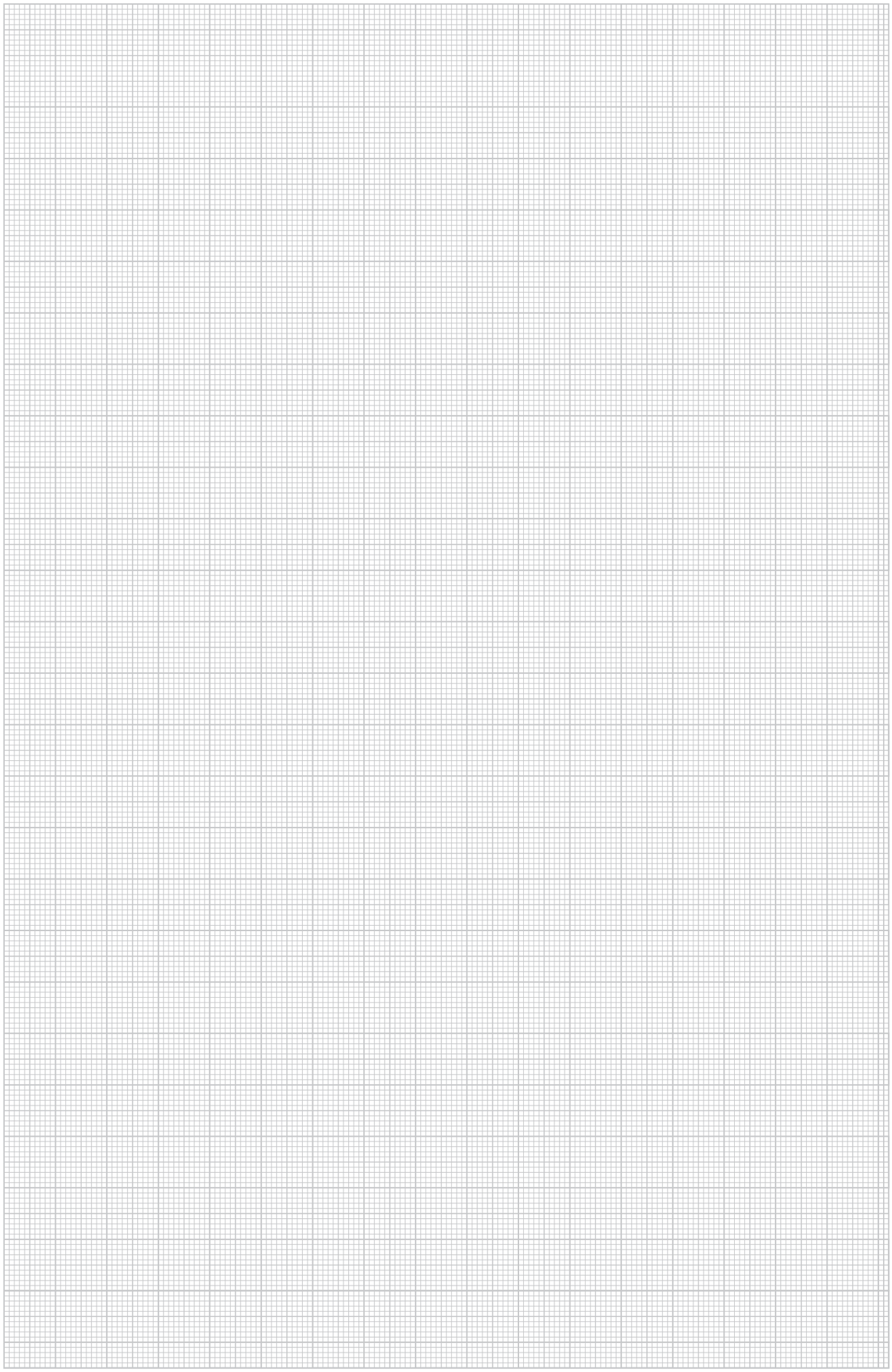


Cable ladder clamping piece
Cable ladder clamping piece KLL for direct mounting of cable ladders to steel girders.



Complete installation
Illustration of complete cable ladder mounting.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, wide span systems

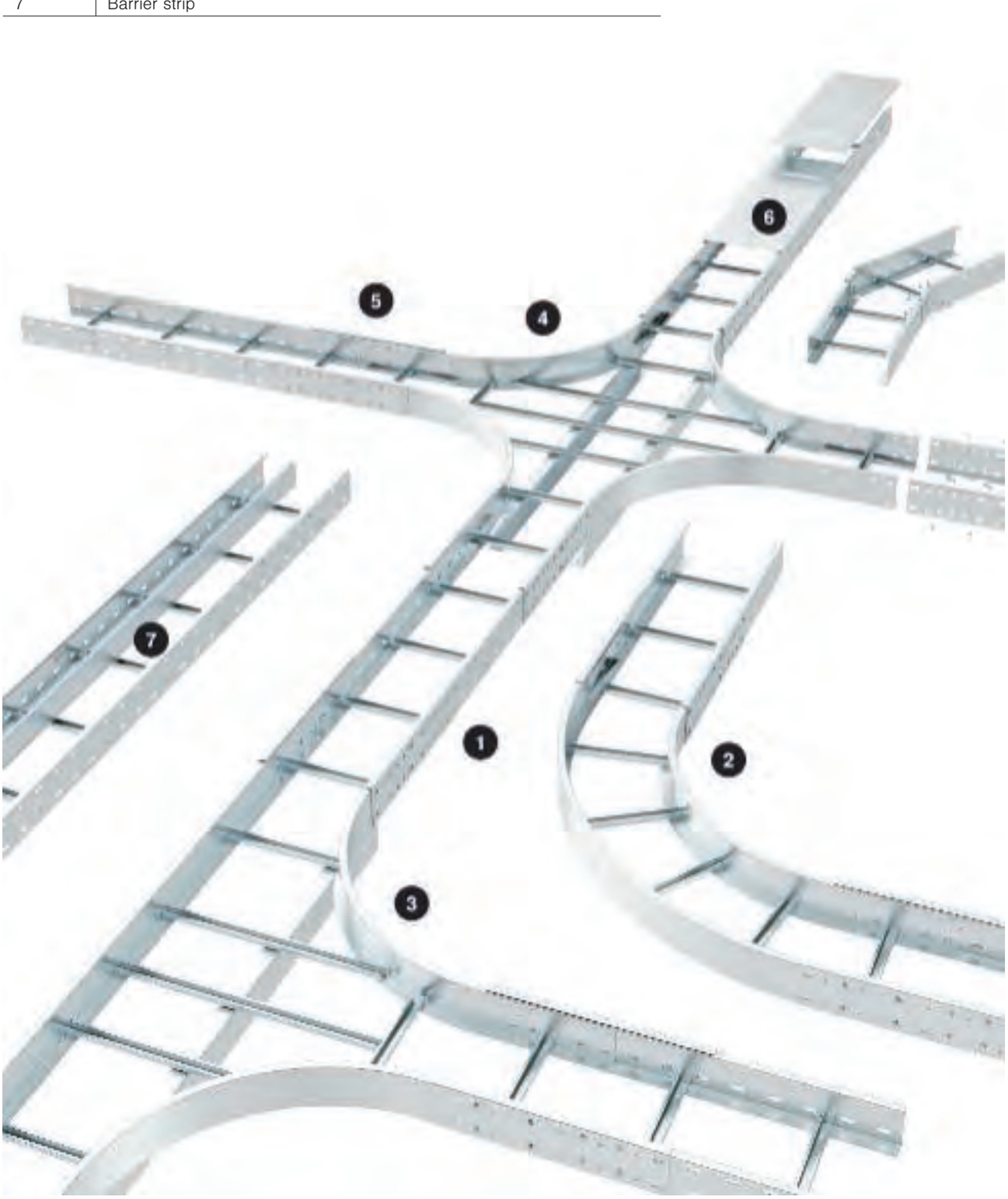


Mounting aid, wide span cable ladder systems	120
Mounting aid, wide span cable tray systems	124

Installation principle, wide span cable ladder systems

System components

1	Wide span cable ladder
2	90° bend
3	Tee
4	Cross-over
5	Straight connector
6	Cover with turn buckle
7	Barrier strip



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

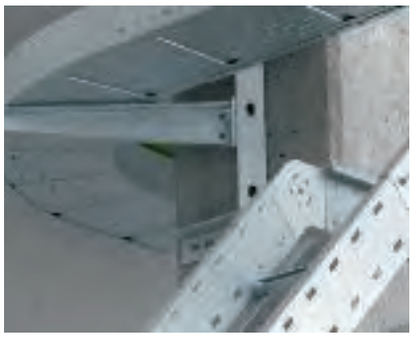
System description, wide span cable ladder systems



When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories such as fittings and all the fastening materials for concrete and steel mounting round off this product range perfectly. OBO wide span systems have proven their worth in many areas of industrial and plant construction. These systems are becoming ever-more popular in buildings with steel framework. OBO wide span systems are the complete product range for all applications and requirements and, with their large load capacity combined with large spans, can provide efficient and optimised power supplies.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, wide span cable ladder systems



Wide span fittings application
Mounting examples for horizontal and vertical changes of direction for wide span systems.



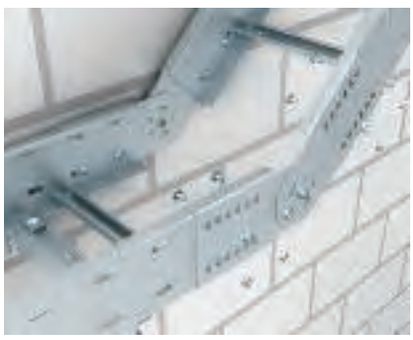
Wall mounting application
Direct wall mounting of wide span systems.



Girder clamping application
Mounting of a wide span system clamped to steel girders.



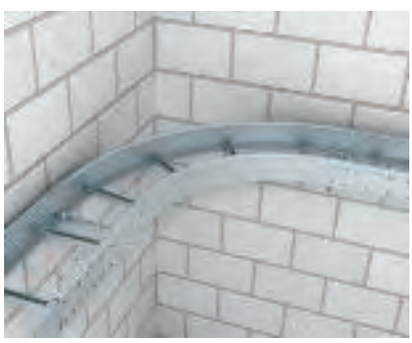
Horizontal wide span angle connection
Horizontal angle connection of wide span cable ladders with angle connectors, type WRWVK.



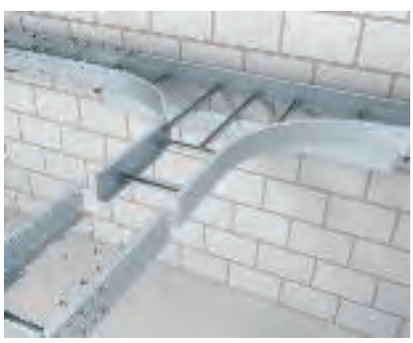
Vertical wide span adjustable connection
Vertical angle connection of wide span cable ladders with adjustable connectors, type WRGV.



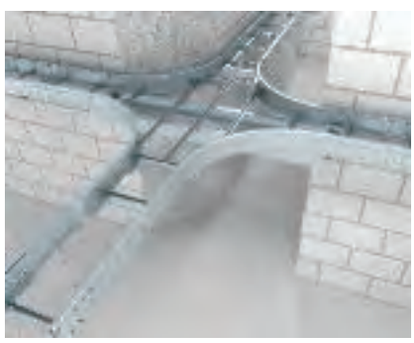
Fastening of wide span cable ladder
Fastening of wide span cable ladders to the bracket using clamp, type LKS 60/5.



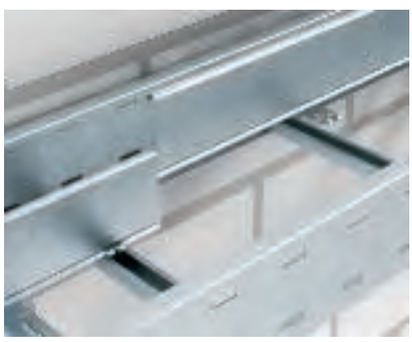
Installation of 90° bend
Bend in combination with wide span cable ladder. The bend is connected to the wide span cable ladder using external connectors.



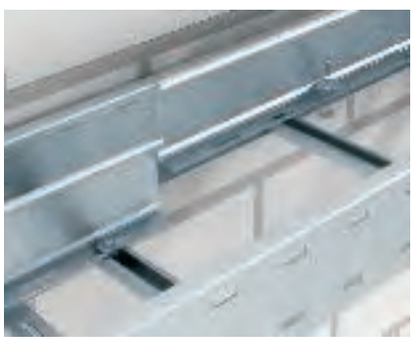
Installation of tee
Tee in conjunction with wide span cable ladder. The tee is connected to the wide span cable ladder using external connectors.



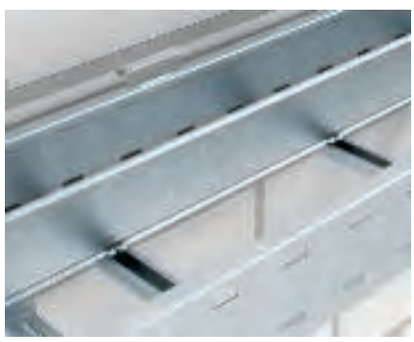
Installation of cross-over
Cross-over in combination with wide span cable ladder. The cross-over is connected to the wide span cable ladder using external connectors.



Screwless barrier strip fastening
Screwless fastening a barrier strip in wide span cable trays and cable ladders with clamping piece, type KS KL.

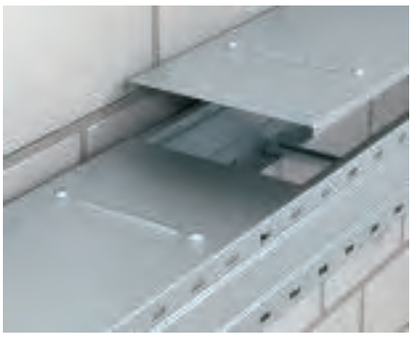


Screwed barrier strip fastening
Barrier strip mounting in wide span cable ladders. Fasten using slide nuts and hexagonal bolts.



Straight barrier strip connection
Screwless straight connection of barrier strips in wide span cable trays and cable ladders using the barrier strip TSGV.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cover mounting
Installation of covers with turn buckles.



Suspended construction, concrete
Suspension suitable for wide span system in concrete with IS 8 support and anchor bolts.



Suspended construction, steel
Suspension suitable for wide span system with IS 8 support, clamped to steel girder.



Wall bracket, heavy-duty
Installation of the heavy-duty wall bracket, type AWSS, with clamping angle, type KWS, to steel girder to accept a wide span system. The wall bracket can also be mounted on concrete walls with anchor bolts.



45° adapter plate
Installation of the 45° adapter plate, type KA-E 45, on the steel girder using clamping angles, type KWS. The adapter plate can also be installed on concrete walls with anchor bolts.



Special structure
Special structure made of U supports for acceptance of a cable support system.



Mounting example
Double-sided support mounting of U profiles with transverse traverse. Fastening of a wide span cable tray, type WKSG 110, with truss-head bolts on the transverse profile.



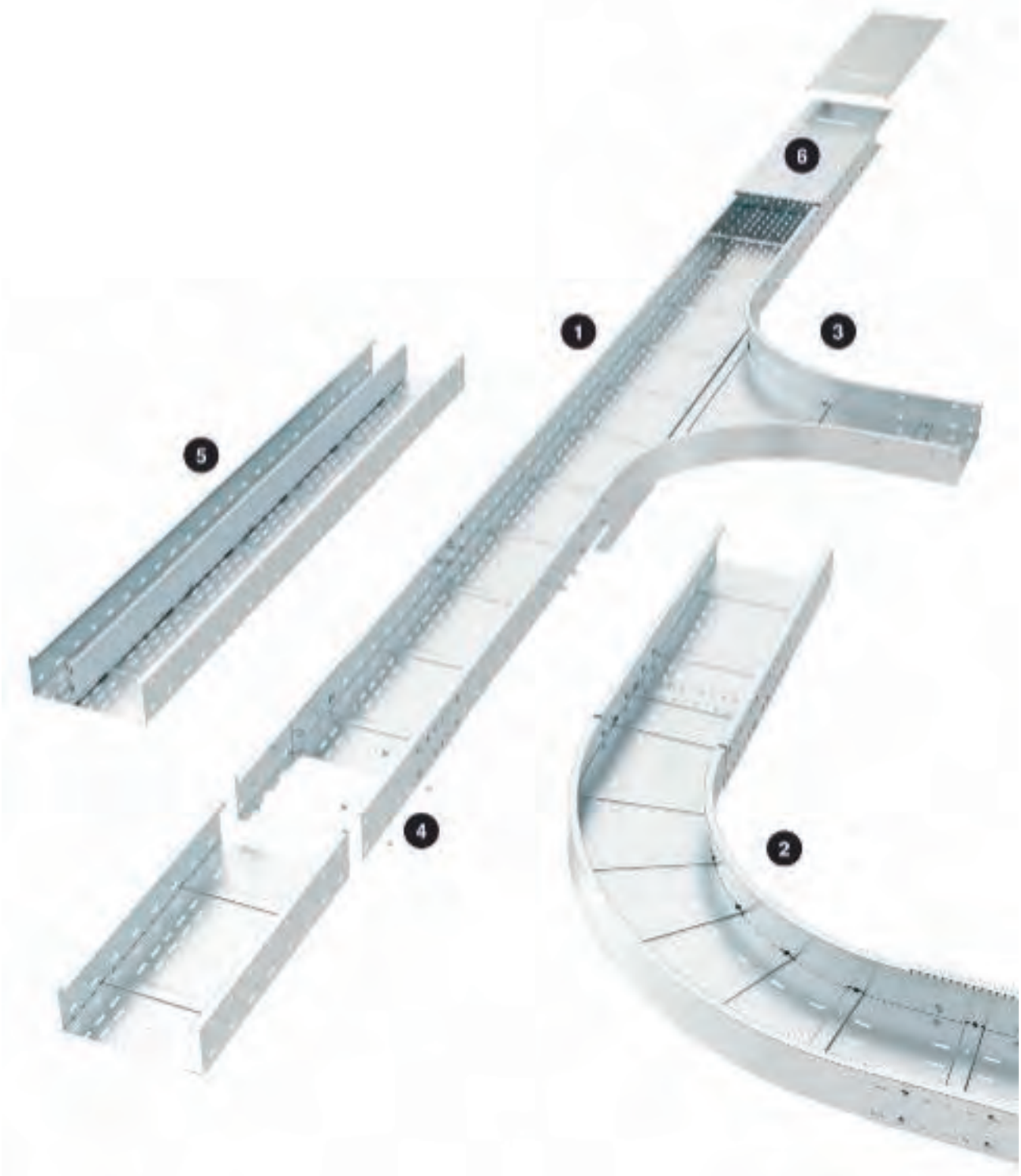
Mounting example
Double-sided support mounting of I profiles with transverse traverse. Fastening of a wide span cable ladder, type WKL 200, with clamp, type LKS 60/5, on the transverse profile.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, wide span cable tray systems

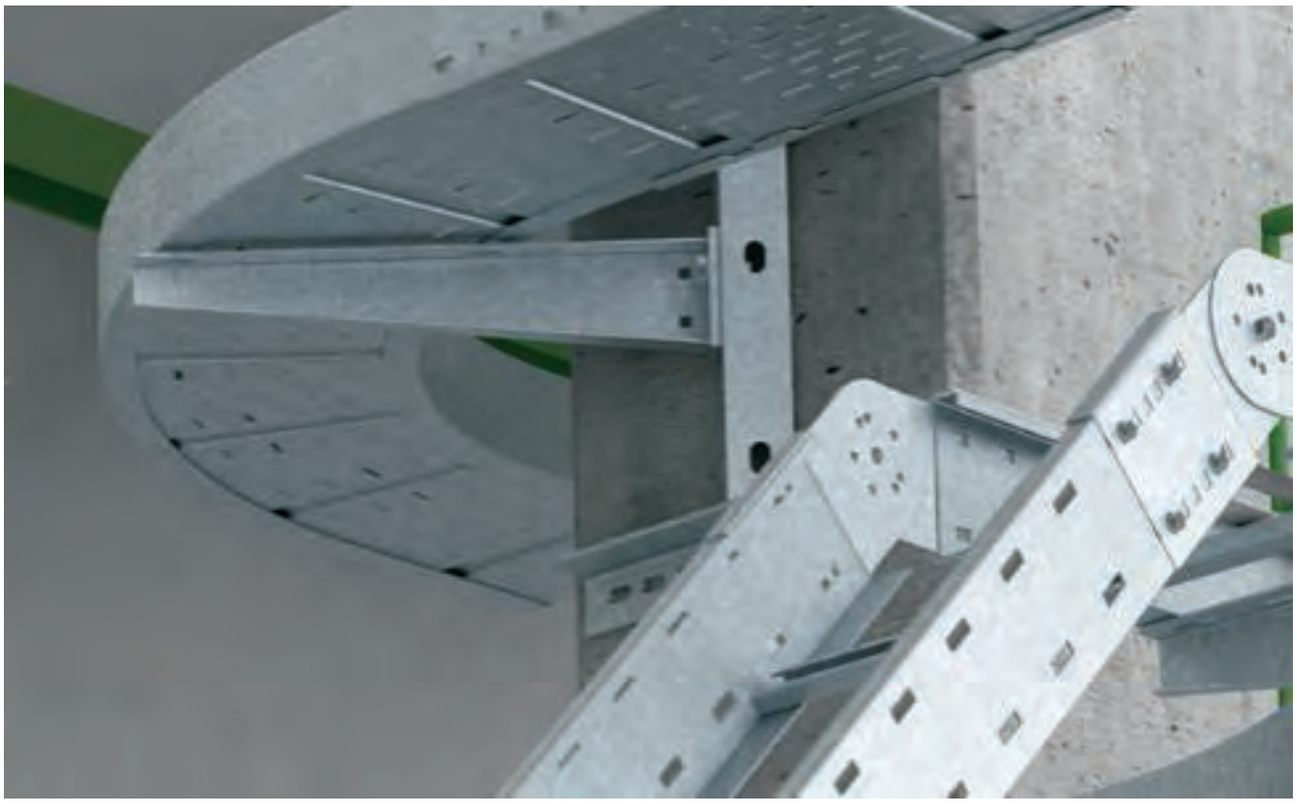
System components

1	Wide span cable tray
2	90° bend
3	Add-on tee
4	Straight connector
5	Barrier strip
6	Cover with turn buckle



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, wide span cable tray systems



When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories such as fittings and all the fastening materials for concrete and steel mounting round off this product range perfectly. OBO wide span systems have proven their worth in many areas of industrial and plant construction. These systems are becoming ever-more popular in buildings with steel framework. OBO wide span systems are the complete product range for all applications and requirements and, with their large load capacity combined with large spans, can provide efficient and optimised power supplies.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

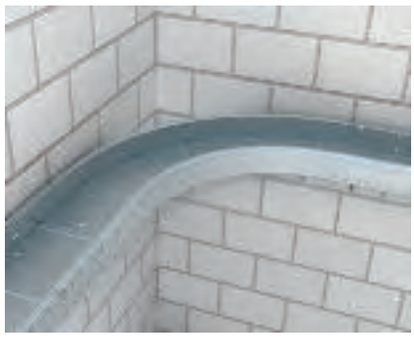
Mounting aid, wide span cable tray systems



Wall mounting application
Direct wall mounting of wide span systems



Wide span straight connection
Horizontal straight connection of wide span cable trays with straight connector set, type WRVL.



Installation of 90° bend
Bend in combination with wide span cable trays. The bend is connected to the wide span cable tray using external connectors and a joint plate.



Creation of a tee with add-on corner
Removal of the side rails from the wide span tray.



Creation of a tee with add-on corner
Installation of the first add-on corner, type WEAS 110.



Creation of a tee with add-on corner
Installation of the second add-on corner, type WEAS 110.



Creation of a tee with add-on corner
Removal of the side rail from the ongoing wide span tray.



Creation of a tee with add-on corner
Installation of the finished branch to the ongoing wide span tray.



Creation of a tee with add-on corner
Complete installation of a branch with add-on corner of type WEAS 110.



Installation of add-on tee
Add-on tee in combination with wide span cable tray. The side rail is removed for installation.



Suspended construction, concrete
Suspension suitable for wide span system in concrete with IS 8 support and anchor bolts.



Suspended construction, steel
Suspension suitable for wide span system with IS 8 support, clamped to steel girder.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

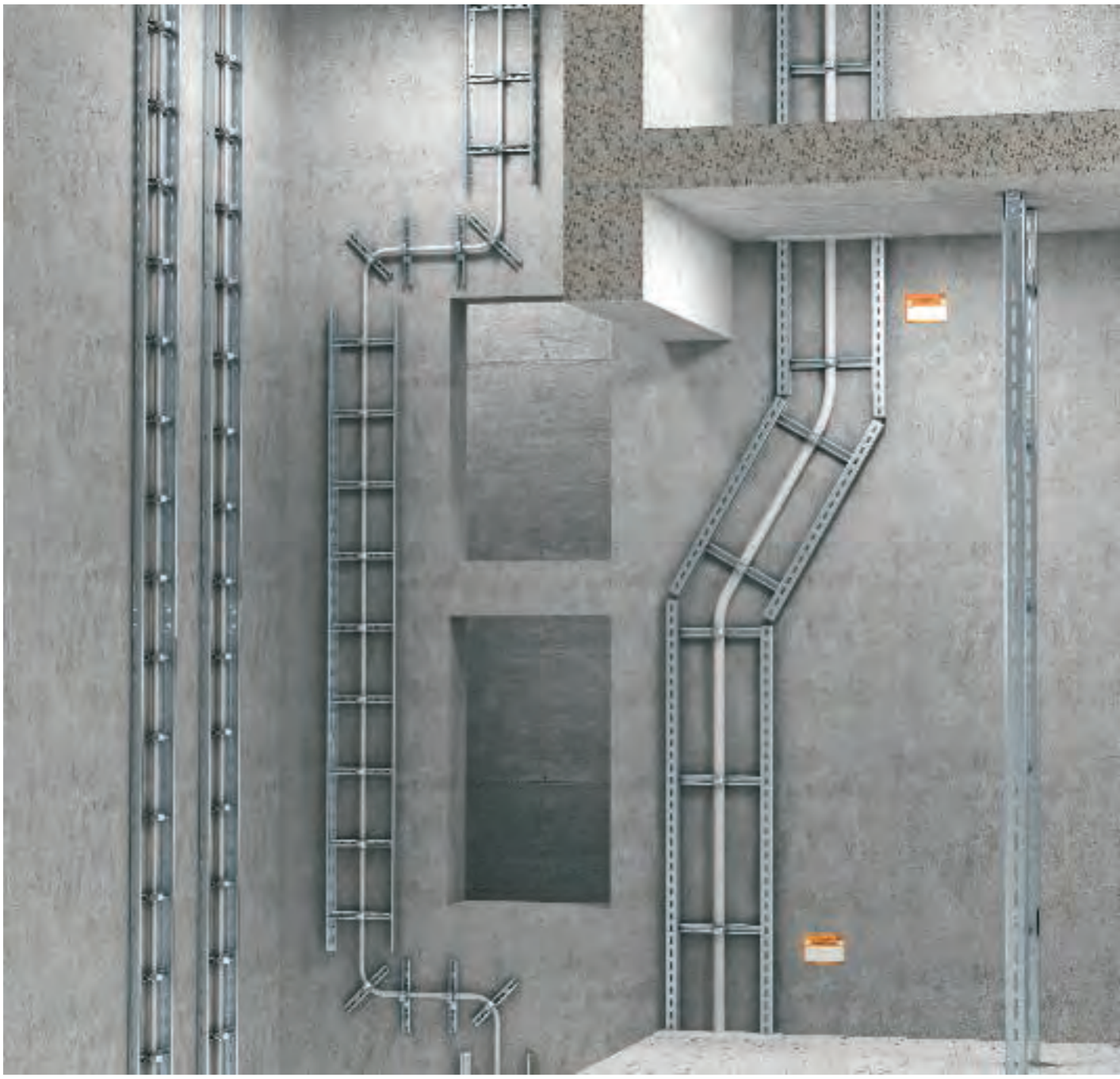


Special structure
Special structure made of U supports for acceptance of a cable support system.



Mounting example
Double-sided support mounting of U profiles with transverse traverse. Fastening of a wide span cable tray, type WKSG 110, with truss-head bolts on the transverse profile.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, vertical ladder systems



Mounting aid, vertical ladder systems 130

Installation principle, vertical ladder systems

System components

1	Light-duty vertical ladder
2	Heavy-duty vertical ladder
3	Industrial vertical ladder
4	Cover with spacer
5	Rung seat with CPS4 rung



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

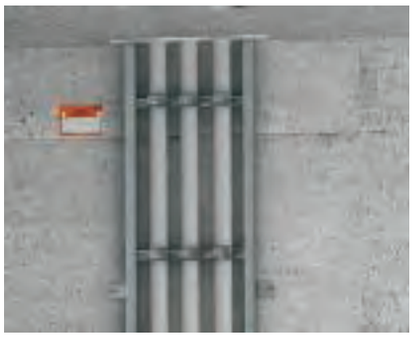
System description, vertical ladder systems



OBO vertical ladder systems for vertical routing of all kinds of cables. Available as light-duty vertical ladders with a side height of 45 mm, as a heavy-duty vertical ladder with U supports and industrial vertical ladders with I supports. Both the heavy-duty and industrial vertical ladders can be assembled in lengths different to that of the stock length. The side rails are standard profiles of type US 5 and IS 8, which are connected using the appropriate rungs. The continuous rail perforation of the system and the comprehensive accessories simplify and accelerate installation, which can take place either directly on the wall, clamped to a steel construction or also as a freestanding construction. In addition, there is the perfect interplay with OBO clamp clips.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, vertical ladder systems



Wall mounting application
Wall mounting of a vertical ladder with mounting angles.



Change of direction application
Implementation of a change of direction with heavy-duty vertical ladder, type SLM.



Free-standing vertical ladder application
Mounting example for free-standing industrial vertical ladders, type SLS, fastened to the ceiling and floor.



Straight connection of vertical ladders
Connection of vertical ladders, types LG and SSL 60, with connectors, type LVG.



Angle connection of cable ladders
Creation of flexible vertical ladder angles with angle connector, type LWVG.



Adjustable connection of cable ladders
Creation of flexible vertical ladder angles with adjustable connector, type LGVG.



Wall mounting, light-duty vertical ladder
Wall mounting of light-duty vertical ladder, type SLL 45, with wall bracket, type WB 30/75.



Direct wall mounting
Direct fastening of the vertical ladders LG and SSL with anchor bolts on the wall.



Wall mounting, heavy-duty vertical ladder
Wall mounting of heavy-duty vertical ladder, type SLM 50, with mounting angle, type BW.



Vertical ladder installation on steel
Installation of the heavy-duty vertical ladder, type SLM 50, with cantilever beam made of U profile, on a steel construction.



Cable fastening with U clamp
Fastening of a cable to the rung with U clamp.

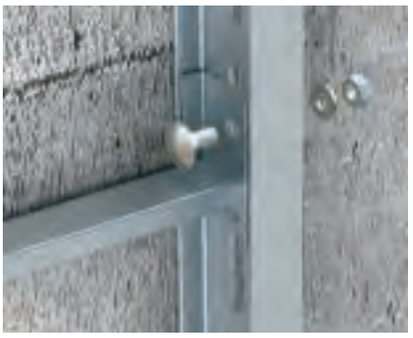


Fastening of industrial vertical ladder
Industrial vertical ladders are fastened to steel girders using mounting angle, type BW80/55.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Fastening of C profile rung
Fastening of C profile rung, type CK 40, in industrial vertical ladders, type SLS 80.



Fastening of angle rung
Fastening of the angle rung, type WSK 40, in industrial vertical ladders, type SLS 80.



Ceiling fastening
Fastening of a industrial vertical ladder, type SLS 80, to the ceiling using mounting angle, type BW.



I support fastening on steel girder
Fastening of industrial vertical ladders, type SLS 80, to steel girders using support claw, type TGK 30/42.



Installation of free-standing vertical ladder
Free-standing installation of cable ladders in a room using mounting angle of type BW or head plates, type KUS 5 (for heavy-duty vertical ladders of type SLM 50), or type KI 8 (for industrial ladders, type SLS 80).



Illustration of vertical shaft
Illustration of complete vertical ladder mounting.



Rung seat fixed to IS 8 support
Fastening of the rung seat, type SA, with profile rail, type CPS 4, in I support.



Rung seat fixed to steel girder
Direct fastening (clamping) of the rung seat, type SAA, with profile rail, type CPS 4, on steel girder.



Cover mounting, vertical
Installation of the cover with spacer on a vertical ladder.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, luminaire support systems

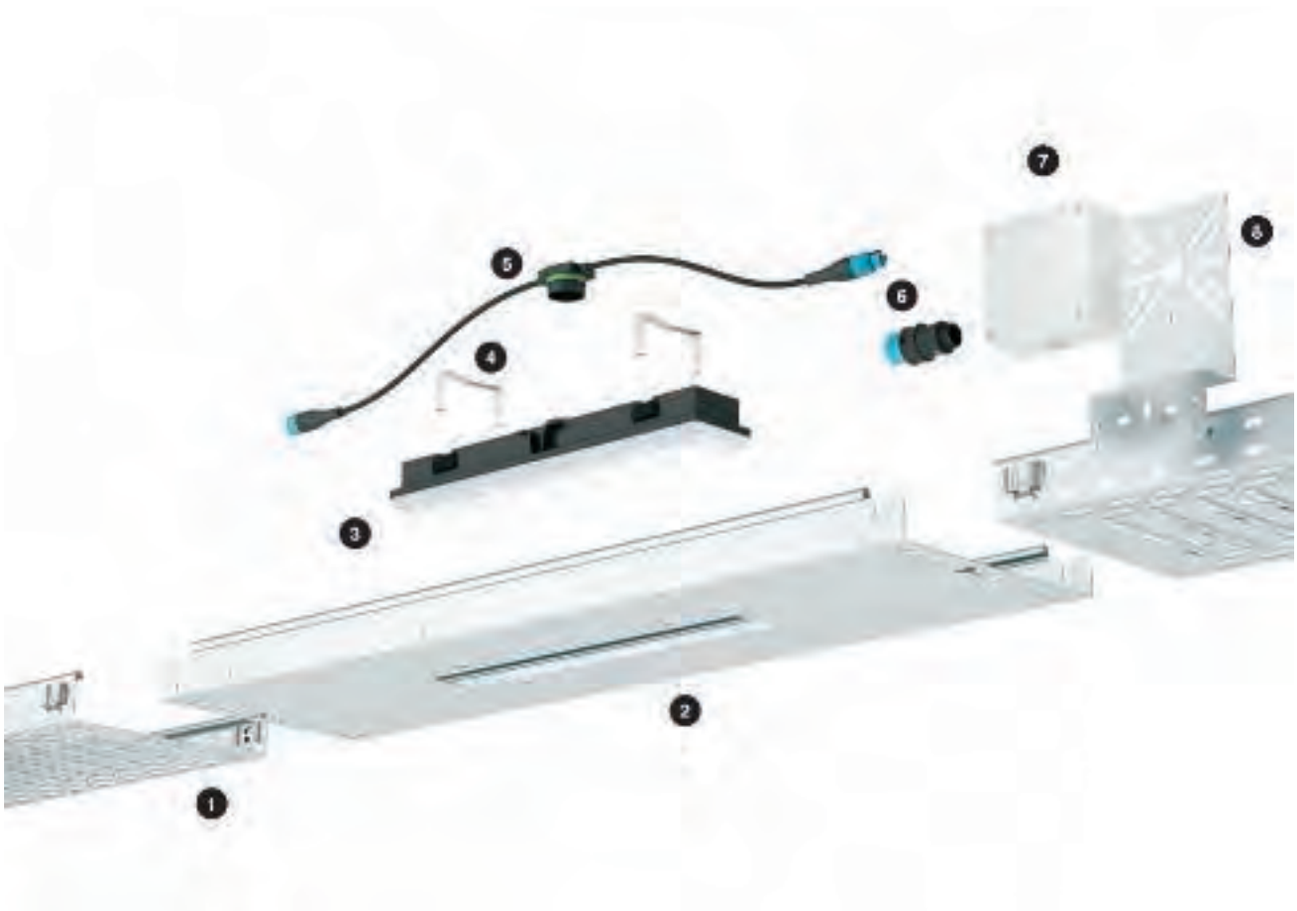


Mounting aid, luminaire support systems 138

Installation principle, cable support systems with integrated LED module

System components

1	Cable tray
2	Cable tray adapter LED
3	LED module
4	Lighting support clamp
5	Supply of LED module
6	Device connection with interior gland
7	Junction box
8	Mounting plate

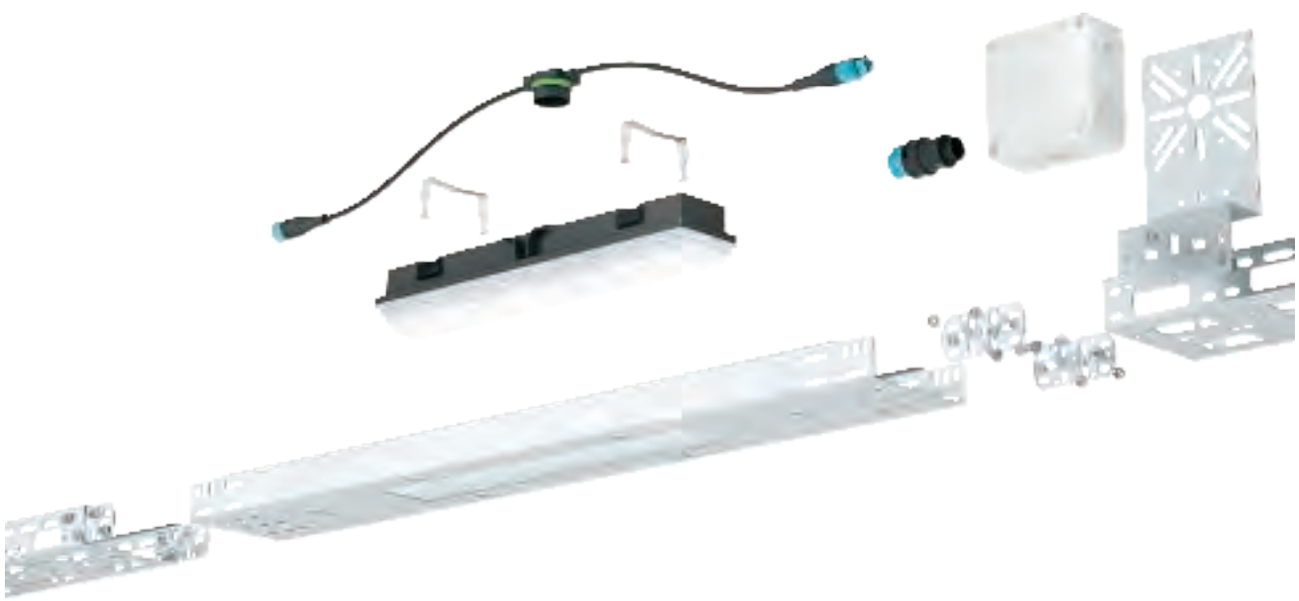


04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Installation principle, cable support systems with integrated LED module

System components

1	AZ channel
2	AZ channel adapter LED
3	Straight and angle connector
4	LED module
5	Lighting support clamp
6	Supply of LED module
7	Device connection with interior gland
8	Junction box
9	Mounting plate



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, cable support systems with integrated LED module



Low energy consumption
The light module is equipped with eight LEDs and supplies 17 W, 1,200 lm of light current. The low energy consumption of CO_2 emissions makes the LED industry module one of the most ecological and economic alternatives to standard lighting.

In addition, the module permits two operating modes: normal operation at 100% power and the reduced power mode with 50% power.

Long lifespan
The modular LED system possesses integrated electronics made of materials and components tested over a long period of time. With 5 years' guarantee on the LED module and 20 years of spare part availability, you are on the safe side in the long term. The integrated thermo-management guarantees the longest lifespan and at least 70% light current after an average lifespan of over 50,000 hours.

Robust and with low maintenance
The integrated design provides perfect protection to all the components. The module fulfils the ingress protection classes IP65 (protection against water jets and dust ingress) and IK04 (resistance to knocks with an impact energy of up to 0.5 J). Maintenance and replacement costs are considerably reduced when the system is combined with the high LED lifespan.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

System description, luminaire support systems



OBO luminaire support systems simplify the installation of light systems in many areas of industry and buildings, but can also be used for flexible power and data supplies to machines and workstations – whether in industry, purpose-built buildings or in buildings with an attractive appearance. The OBO luminaire support system makes cable laying and the optimum positioning of lights child's play for any possible application. A pre-terminated system can be very easily created using the GST 18 connector system.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting aid, luminaire support systems



Luminaire support tray application
Suspension of the luminaire support tray with chain and suspension bracket.



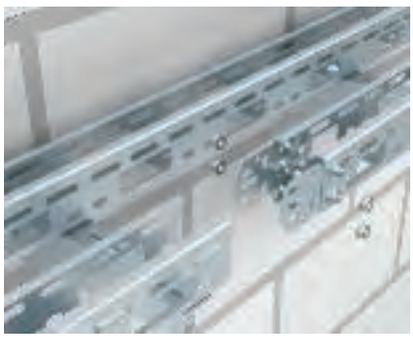
Luminaire support tray application
Suspension of a luminaire support tray with central suspension hanger MAH and threaded rod.



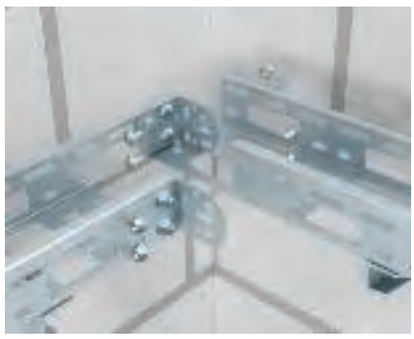
Luminaire support tray application, colour-coated
Optically attractive installation in open areas with colour-coated luminaire support systems.



Straight connection of luminaire support tray
Horizontal straight connection of the luminaire support tray, type LTR with straight connector set, type RV 607.



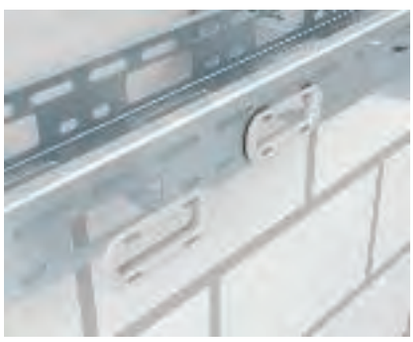
Straight connection of luminaire support tray
Horizontal straight connection of the luminaire support tray, type LTS with straight and angle connector, type VF AZK.



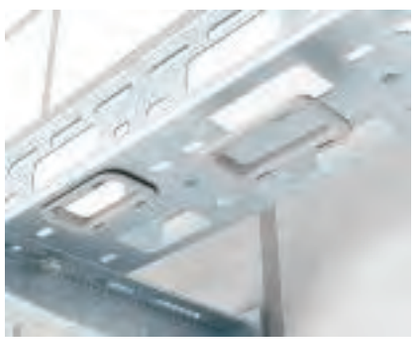
Horizontal angle connection
Horizontal angle connection of the luminaire support tray, type LTS with straight and angle connector, type VF AZK.



Vertical straight connection
Vertical straight connection of the luminaire support tray, type LTS, with two straight and angle connectors, type VF AZK.



Side rail cable protection ring
Insertion of the cable protection rings, type KSR 910, in the side rail of the luminaire support tray.



Bottom cable protection ring
Insertion of the cable protection rings, type KSR 915, in the bottom of the luminaire support tray.



Chain suspension
Implementation of a chain suspension for luminaire support systems with anchor, ceiling hook, type 948/TG6 and chain, type LTK-K.

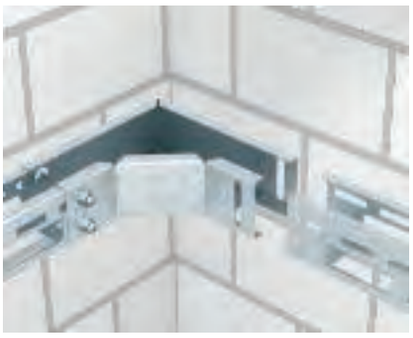


Centre suspension
Efficient creation of centre suspensions. The luminaire support tray is fastened to the central suspension hanger without bolts.



Pre-wired luminaire supports
Mounting of a pre-terminated luminaire beneath a luminaire support tray.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mounting of luminaire support fitting
Mounting of luminaire support fitting by simple interconnection of fitting and luminaire support tray.



Cover mounting for luminaire support tray fittings
When mounting the covers, mount the fitting covers first and then straight covers. The straight covers overlap the fitting covers, securing them.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

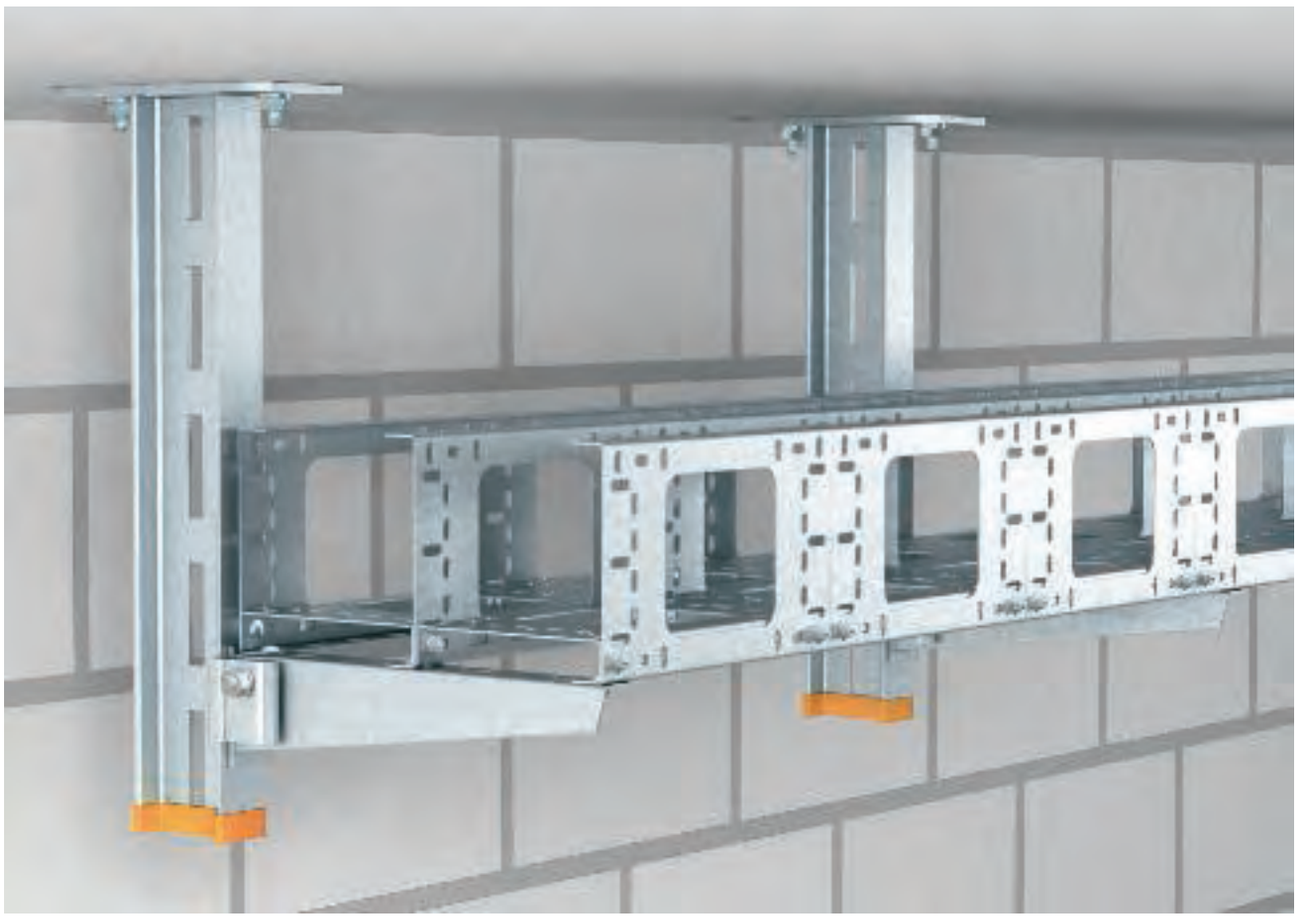


Planning aids, modular systems



Mounting aids, BKK system 143

System description, construction kit systems



The modular systems - the product range with infinite opportunities. Exiting branches to individual consumers can be implemented with the AZ small duct. The BKK system can be used as a cable link in chemical plants, where large distances and high cable loads must be bridged safely with some fairly large support spacings. Electrical drives, such as motors, etc., are connected using the motor connection column. Thus the modular system, together with the individually combinable range of accessories, is the universal solution to any task.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

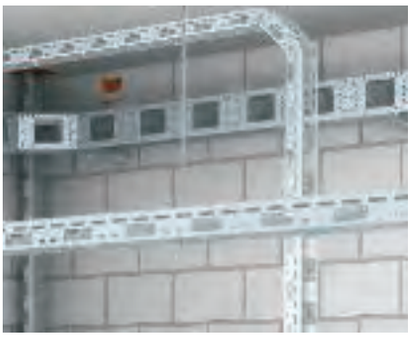
Mounting aid, modular systems



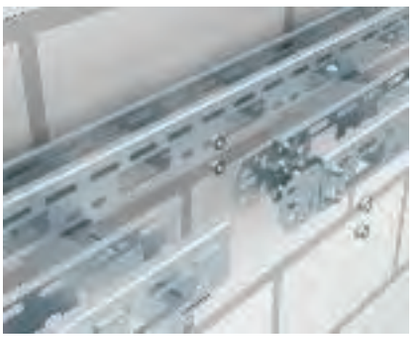
BKK system application
Installation of the BKK system under the ceiling using IS 8 supports.



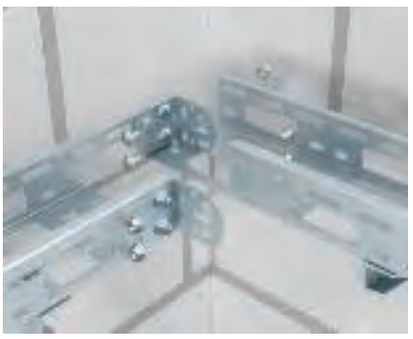
Motor connection column application
Coupling of electric drives to the motor connection column.



AZ channel application
Example of installing the AZ channel as a suspension with threaded rod and the implementation of horizontal-vertical transitions.



Straight connection of AZ channel
Straight connection of AZ channel with connectors of type VF AZK.



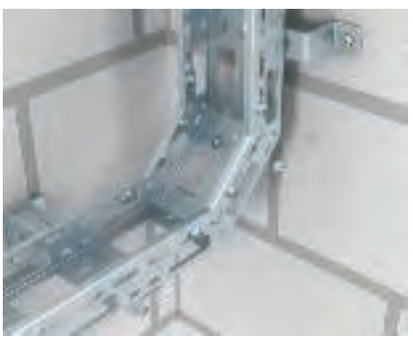
90° angle connection
Angle connection of AZ channels with connectors of type VF AZK.



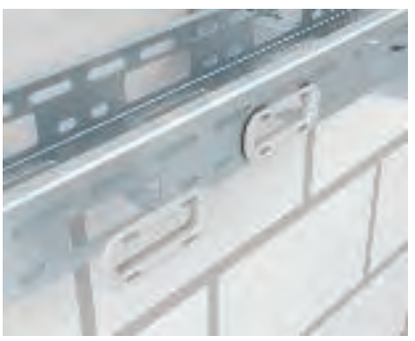
Vertical straight connection
Vertical angle connection of AZ channels with two connectors of type VF AZK.



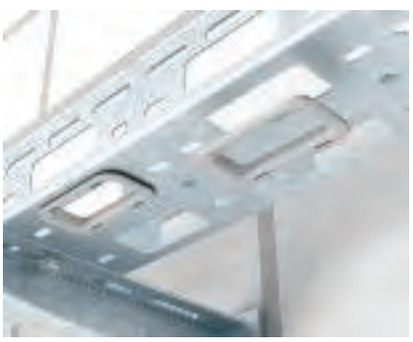
90° vertical bend, falling
Installation of a falling vertical bend with adjustable connectors, type SV.



90° vertical bend, rising
Installation of a rising vertical bend with adjustable connectors, type SV.



Side rail cable protection ring
Insertion of the cable protection rings, type KSR-DR 910, in the side rail of the AZ channel.



Bottom cable protection ring
Insertion of the cable protection rings, type KSR 915, in the bottom of the AZ channel.



Cover fastening
Installation of the cover, type AZDMD, on an AZ channel.



Installation of motor connection column with column foot
Fastening of the motor connection column, type MAS 140/10, to the floor using column foot, type SF 140/11.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Installation of motor connection column with mounting bracket
Fastening of the motor connection column, type MAS 140/10, to the wall using mounting brackets, type BF 140/10.



Cover fastening
Fastening of the cover, type MASD 90, to the motor connection column.



Device plate mounting
Installation of the device plate, type GP, to the motor connection column.



Joint connection
Connection of straight joints in the BKK system using the joint connector, type SSV.



Installation of basic profile
Installation of the basic profile in the BKK system.



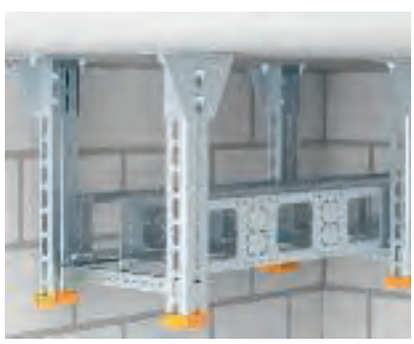
BKK straight fastening variant
Possible mounting variant of BKK profiles with straight joint.



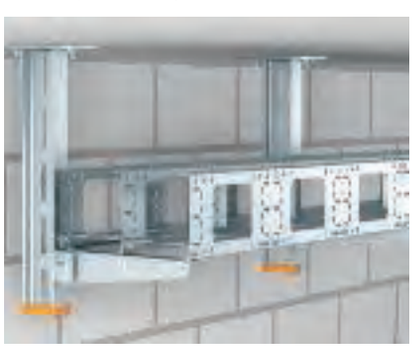
BKK offset fastening variant
Possible mounting variant of BKK profiles with offset joint. This mounting variant provides increased joint stability.



Angle connection
Simple bend creation with hinge connectors, type SV. For this, the side rails must be cut.

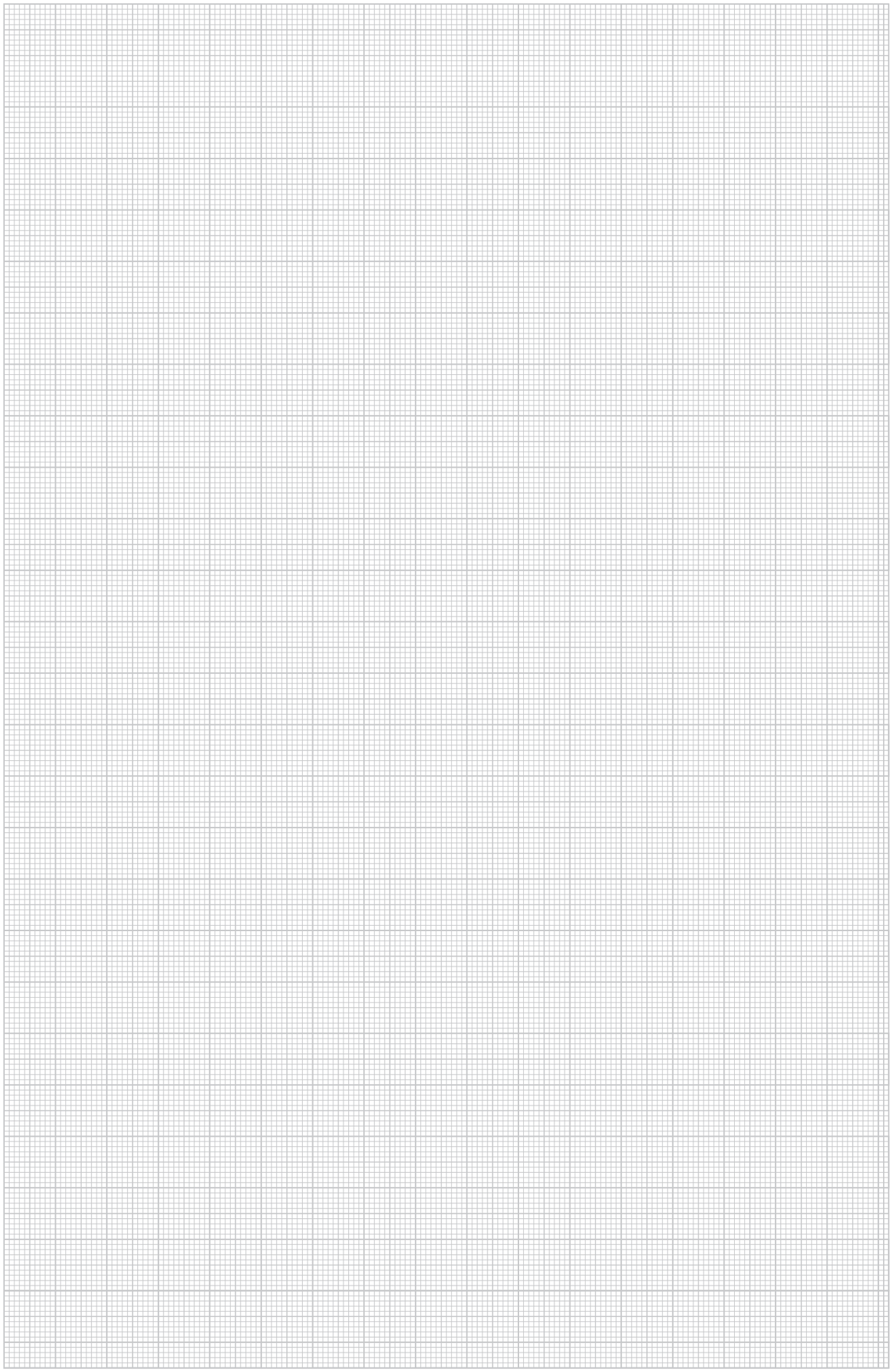


Mounting example
Example of U support installation with transverse profile and modular system.



Complete installation
Illustration of complete modular system mounting.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Planning aids, stainless steel systems



Mounting aid, stainless steel systems 148

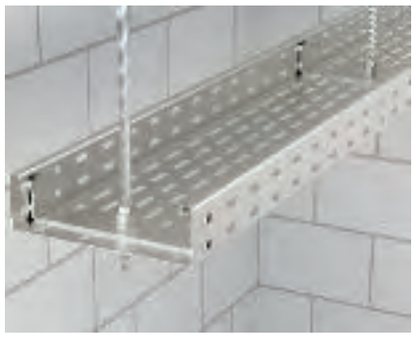
Mounting aid, stainless steel systems



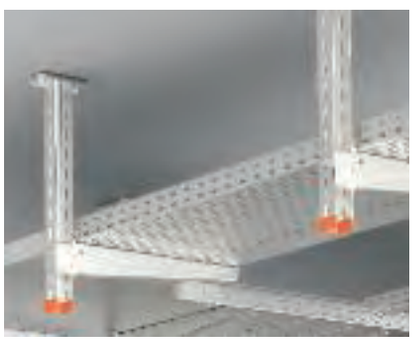
Ceiling mounting
Standard mounting of U supports US 3 K, US 5 K and US 7 K on the ceiling.



Wall mounting
Direct fastening of wall and support brackets of type AW... on the wall.



Central suspension with threaded rod
Cover fastening with threaded rod and central suspension for small loads.



Complete mounting of a ceiling fastening
Illustration of complete ceiling mounting with cable trays.



Mesh cable tray mounting
Mesh cable tray mounting with support, type US 3 K/... and appropriate wall and support bracket AW 15/...



Jump application
Implementation of vertical jumps with articulated connectors, e.g. for ceiling joists.



Wall mounting application
Direct wall mounting of wide span systems.



Wide span fittings application
Mounting example for horizontal and vertical changes of direction for wide span systems.

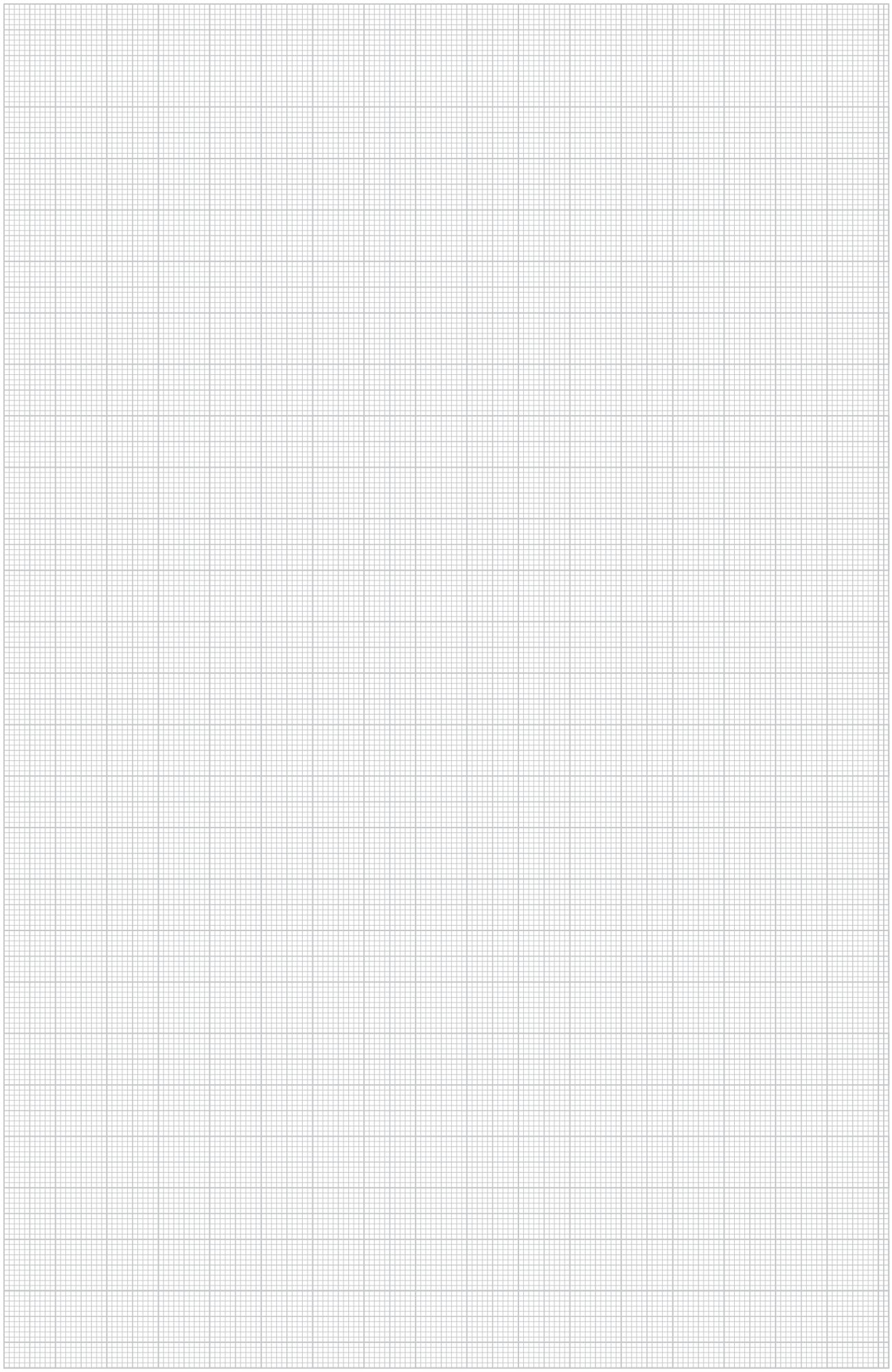


Luminaire support rail application
Suspension of the luminaire support tray with chain and suspension clamp.



Complete mounting of a cable tray system
Illustration of a multi-layer cable tray system mounted on the ceiling.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Test marks

	Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany
	FIMKO, Finland
	KEMA-KEUR, Netherlands
	Österreichischer Verband für Elektrotechnik, Austria
	Eidgenössisches Starkstrominspektorat, Switzerland
	NEMKO, Norway
	SEMKO An Inchcape Testing Services Company, Sweden
	Indication of metric products
	DEMKO, Danmarks Elektriske Materielkontrol, Denmark
	Sähkötarkastuskeskus Elinspektionscentralen Electrical Inspectorate, Finland
	Underwriters Laboratories Inc., USA
	Underwriters Laboratories Inc., USA
	Canadian Standards Association, Canada
	CEBEC, Belgium
	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland
	Forschungs- und Materialprüfungsanstalt, Germany
	Shock-tested, Bundesamt für Zivilschutz, Germany
	MAGYAR ELEKTROTECHNIKAI ELLENŐRZŐ INTÉZET Budapest, Hungary
DIBt	Deutsches Institut für Bautechnik Berlin, Germany
	ELEKTROTECHNICKÝ ZKUŠEBNÌ ÚSTAV, Czech Republic
	Test marks for technical resources, VDE Prüf- und Zertifizierungsinstitut Offenbach, Germany
	RINA 1861, Ship Classification, Certification and Services

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Pictogram explanation

Fire protection

	Resistance time in minutes of the installation system during a fire
	Resistance time in minutes of the installation system during a fire

Materials

	Flat steel
	Angular steel
	U steel

Materials

Alu	Aluminium
VA	Stainless steel, grade 434
VA	Stainless steel, grade 304
VA	Stainless steel, grade 305
VA	Stainless steel, grade 301
VA	Stainless steel, grade 316
VA	Stainless steel, grade 316 L
VA	Stainless steel, grade 316 L
VA	Stainless steel, grade 354/1
VA	Stainless steel, grade 316 Ti
St	Steel

Surfaces

F	Hot-dip galvanised
GCL	electro-galvanised, yellow-chromated
DD	Zinc-aluminium coated, double-dip
FS	Strip-galvanised
G	Electro-galvanised
GR	Primed
FT	Hot-dip galvanised
GA	Zinc-aluminium coated, Galfan

Miscellaneous

	BET-tested to DIN EN 61537
	Halogen-free; without chlorine, fluorine and bromine
	Magnetic shield insulation

Miscellaneous

	Easy mounting component
	CO2-reduced
	Suitable for sprinkler systems

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Metal materials

Alu — Aluminium

VA (1.4113) — Stainless steel, grade 434

VA (1.4301) — Stainless steel, grade 304

VA (1.4303) — Stainless steel, grade 305

VA (1.4310) — Stainless steel, grade 301

VA (1.4401) — Stainless steel, grade 316

VA (1.4404) — Stainless steel, grade 316 L

VA (1.4435) — Stainless steel, grade 316 L

VA (1.4529) — Stainless steel, grade 354/1

VA (1.4571) — Stainless steel, grade 316 Ti

St — Steel

Zn — Die-cast zinc

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

CR — Chloroprene rubber
Temperature resistance:
permanently up to 120 °C, briefly up to approx. 150 °C and to approx. minus 30 °C*.
Resistant to
Oils and acids.
Unstable with
Fuels.

FA — Fibre-proof material DIN 28091
To DIN 28091, asbestos-free
Temperature resistance:
up to 300 °C.

GFK — Fibre-glass-reinforced plastic
Temperature resistance:
-50 to 130 °C.
Resistant to
High chemical resistance
Corrosion resistance
UV light resistance

NR — Natural rubber
Temperature resistance:
permanently up to 80 °C, briefly up to approx. 120 °C and to approx. minus 40 °C*.
Resistant to
Most acids.
Unstable with
Fuels, solvents, oils.

PA — Polyamide
Temperature resistance:
permanently up to approx. 90 °C, briefly up to about 130 °C and to about minus 40 °C*.
Chem. resistance generally as for polyethylene.
Resistant to
Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.
Unstable with
Bleach, most acids, chlorine.
Risk of tension cracking
Low in air-humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PA/GF — Polyamide, fibreglass reinforced
Temperature resistance:
permanently up to 100–110 °C, briefly up to 160 °C and to about minus 40 °C*.
Resistant to
Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.
Slightly susceptible to stress-cracking.
Unstable with
Bleach, most acids, chlorine.
Risk of tension cracking
Low in air-humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PC — Polycarbonate
Temperature resistance:
permanently up to approx. 110 °C (in water 60 °C), briefly up to 125 °C, and to below minus 35 °C.
Resistant to
Petrol, turpentine, most weak acids.
Unstable with
Acetone, benzene, chlorine, methylene chloride, most concentrated acids.
Risk of tension cracking
Relatively low.
Media which can cause tension cracking include benzene, aromatic hydrocarbons, methanol, butanol, acetone, terpentine.

POM — Polyacetal (polyoxymethylene, polyformaldehyde)
Temperature resistance:
permanently up to approx. 100 °C, briefly up to approx.130 °C and to approx. minus 40 °C.
Resistant to
Acetone, ether, petrol, weak acetic acid, benzene, heating oil, oils and greases, toluene.
Unstable with
Methylene chloride, trichloroethylene, hydrochloric acid, nitric acid, sulphuric acid.
Risk of tension cracking
Low.

PE — Polyethylene
Temperature resistance:
hard types permanently up to about 90 °C, briefly up to about 105 °C, soft types permanently up to about 80 °C, briefly up to about 100 °C and to about minus 40 °C*.
Resistant to
Alkalis and inorganic acids.
Conditionally resistant to
Acetone, organic acids, petrol, benzene, diesel oil, most oils.
Unstable with
Chlorine, hydrocarbons, oxidising acids.
Risk of tension cracking
Relatively high.
Stress cracks can be caused by, among other things, acetone, various alcohols, formic acid, ethanol, petrol, benzene, butyric acid, acetic acid, formaldehyde, various oils, petroleum, propanol, nitric acid, hydrochloric acid, sulphuric acid, soap solutions, turpentine, trichloroethylene, citric acid.

PBPT — Polybutylene terephthalate
Thermoplastic polyester
Temperature resistance:
permanently up to 120 °C, briefly up to 140 °C and to approx. minus 40 °C.
Resistant to
Petrol, diesel oil, most weak acids, oils and greases.
Conditionally resistant to
Acetone, ammonia, benzene.
Unstable with
Strong acids, chlorine, fluorine, bromine vapour, bleach, trichloroethylene, methylene chloride.
Risk of tension cracking
Low.

PS — Polystyrene
Temperature resistance:
Because of its relatively high sensitivity to the effects of chemicals, its use is not recommended at temperatures above normal room temperature, about 25 °C.
Resistance to cold: to about minus 40 °C*.
Resistant to
Alkalis, most acids, alcohol.
Conditionally resistant to
Oils and greases.
Unstable with
Butyric acid, concentrated nitric acid, concentrated acetic acid, acetone, ether, petrol and benzene, solvents for paints and lacquers, chlorine, diesel fuel.
Risk of tension cracking
Relatively high.
Stress cracks can be caused by, amongst other things, acetone, ether, petrol, cyclohexane, heptane, methanol, propanol and the softeners used in some PVC cable mixes.

PVC — Polyvinylchloride
Temperature resistance:
permanently up to 65 °C, briefly up to 75 °C and to about minus 30 °C.
Resistant to
Weak acids, alkalis, oils and greases, petrol.
Unstable with
Strong acids, benzene, acetone, iodine, toluene, trichloroethylene.
Risk of tension cracking
Low, only with some solvents such as benzene and acetone.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

SBR — Styrene-butadiene rubber

Temperature resistance:
permanently up to 80 °C, briefly up to approx.120 °C and to approx.minus 30 °C*.

Resistant to

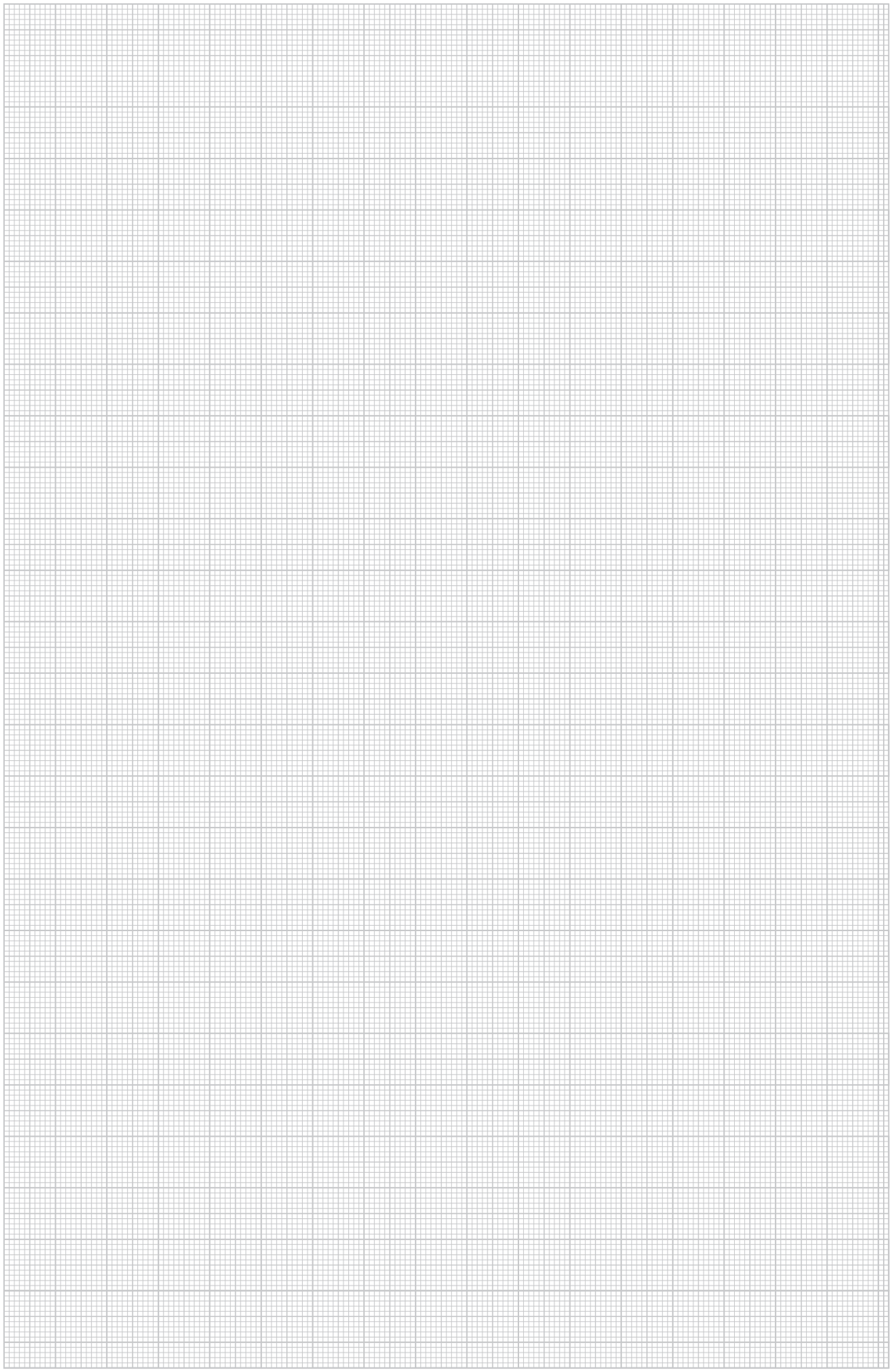
Most acids.

Unstable with

Fuels, solvents, oils.

*The minus values apply only for parts in the quiescent condition with no severe impact stress.
There is no plastic that is resistant to every chemical. The agents listed are only a small selection. Plastic parts are especially at risk in the presence of chemicals and high temperatures. Stress cracks may occur. If in doubt, please consult us and/or ask for a detailed chemical resistance table.
Stress crack formation: stress cracks may occur if plastic parts under tension are exposed to chemicals at the same time. Parts made of polystyrene and polyethylene are particularly susceptible. Stress cracks may even be caused by agents to which the plastic in question is resistant in the absence of stress. Typical examples of parts under constant stress when used as intended: grip clips, intermediate supports of cable glands, ribbon clips.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mounting systems

	Universal systems	Ceiling bracket Threaded rod Centre suspension	158
		TP wall and ceiling bracket TP support TP support / wall and support bracket	162
	U support systems	US 3 support	168
		US 5 support	171
		US 7 support	174
	Wall and support brackets	MWA12, load 1.2 kN MWAM12, load 1.2 kN MWAG12, load 1.2 kN	178
		AW15, load 1.5 kN AWG15, load 1.5 kN	181
		AW 30, load 3.0 kN AW 55, load 3.0 kN	184
	Wall brackets	Variable	186
	Wall and clamping bracket	AWSS, heavy-duty	187
	I support systems	IS 8 support	189
	Support bracket IS8	AS 15, load 1.5 kN AS 30, load 3.0 kN AS 55, load 5.5 kN	190
	Clamp fastening systems	Chuck jaw Beam clamp Adapter plate	195
	Construction and profile rail systems	Profile rails Construction and suspension profile	198

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Universal systems

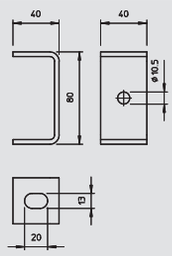


Ceiling bracket

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DB FT		50	16.000	**6356 10 9**

St Steel FT Hot-dip galvanised /pc.

Ceiling bracket for threaded rod suspension.





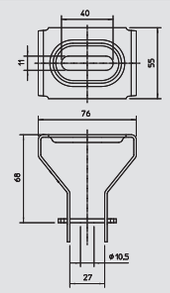
Ceiling bracket, variable

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV FS		20	18.200	**6356 05 5**

St Steel FS Strip-galvanised /pc.

Ceiling bracket for suspension with threaded rods. The variable adjustment permits universal use.

The locked threaded rod seat offers the option of infinite angle adjustment.





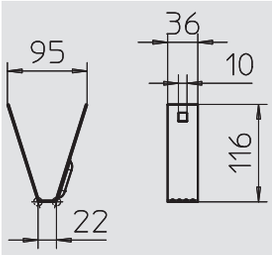
Ceiling bracket, trapezoidal

Type	Material thickness mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPB 100 FS	1.5	0.8		50	9.900	**6357 50 6**

St Steel FS Strip-galvanised /pc.

Ceiling bracket for fastening to standard trapezoidal ceilings.

Important: Observe the statics of the trapezoidal metal ceiling.





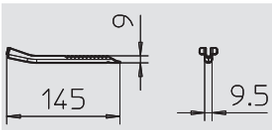
Splint for trapezoidal ceiling bracket

Type	Material thickness mm	Breaking load kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPB R FS	1.5	0.8		50	3.700	**6357 53 6**

St Steel FS Strip-galvanised /pc.

Splint for fastening and securing the ceiling bracket to trapezoidal ceilings.

Important: Observe the statics of the trapezoidal metal ceiling.



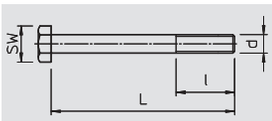


Hexagonal bolt

Type	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X110 G	M10 x 110	110	30	10	17		25	9.500	**6418 24 4**

St Steel G Electrogalvanised /100 pc.

Hexagonal bolt with washers and hexagonal nut.



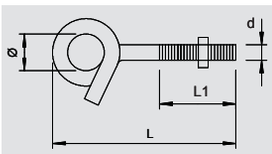


Ceiling hook

Type	Thread	Dimension d mm	Dimension L mm	Dimension L1 mm	Dimension d Ø mm	Breaking load kN		Pack. pcs	Weight kg/100 pcs.	Item No.
948 TG6	M6	6	70	46	13	1		25	5.000	**3453 82 0**

St Steel G Electrogalvanised /100 pc.

Tightly wound ceiling hook. Including two large washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Threaded rod

Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M G	M8	8	1,000		50	30.000	**3141 12 8**
2078 M10 1M G	M10	10	1,000		25	49.000	**3141 20 9**
2078 M12 1M G	M12	12	1,000		20	100.000	**3141 30 6**
2078 M8 2M G	M8	8	2,000		25	60.000	**3141 13 6**
2078 M10 2M G	M10	10	2,000		25	98.000	**3141 14 0**
2078 M12 2M G	M12	12	2,000		20	140.000	**3141 14 4**

St Steel G Electrogalvanised /100 pc.

Threaded rod to DIN 976.





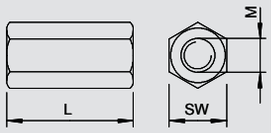
Threaded rod VA

Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M V2A	M8	8	1,000		50	30.000	**3141 31 0**
2078 M10 1M V2A	M10	10	1,000		25	49.000	**3141 31 2**
2078 M12 1M V2A	M12	12	1,000		20	70.000	**3141 31 4**

V2A Stainless steel, grade 304 /100 pc.

Threaded rod to DIN 976.





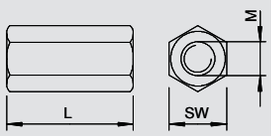
Connection sleeve

Type	Thread	Dimension M	Dimension L mm	SW mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
12005 M8 G	M8	8	30	13	600		50	2.000	**6410 08 1**
12005 M10 G	M10	M10	40	17	200		50	6.000	**6410 10 3**
12005 M12 G	M12	M12	40	19	150		25	7.000	**6410 11 1**

St Steel G Electrogalvanised /100 pc.

Connection sleeve with continuous internal thread.





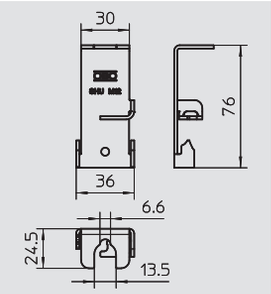
Connection sleeve VA

Type	Thread	Dimension M	Dimension L mm	SW mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
12005 M8 V2A	M8	M8	30	13	600		50	2.000	**6410 15 4**
12005 M10 V2A	M10	M10	40	17	200		50	6.000	**6410 16 2**

V2A Stainless steel, grade 304 /100 pc.

Connection sleeve with continuous internal thread.





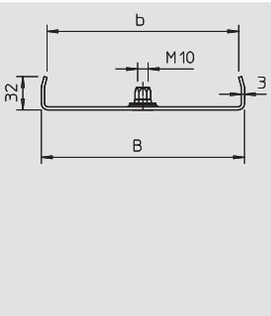
Side holder, universal

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SHU M12 FS		50	5.100	**6015 32 2**
SHU M12 DD		50	5.100	**6015 32 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Side holder to fasten cable trays, mesh cable trays and cable ladders to walls or ceilings using a threaded rod.





Central suspension for cable tray MAH 35

Type	For width mm	For threaded rod	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAH 35 100 FS	100	M10	95	84		20	9.400	**6358 69 0**
MAH 35 200 FS	200	M10	195	184		20	18.600	**6358 69 2**
MAH 35 300 FS	300	M10	295	284		20	27.700	**6358 69 4**

St Steel FS Strip-galvanised /pc.

Central suspension for cable trays with rolled side rail of side height 35 mm.

The central suspension possesses a rotatable M10 threaded sleeve. When filling, ensure an even distribution of the load (avoid one-sided filling).



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Universal systems

Central suspension for cable tray MAH 60

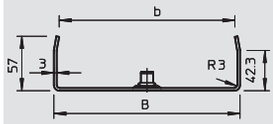


Type	For width mm	For threaded rod	Dimension B mm	Dimension b mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
MAH 60 100 FS	100	M10	94	84	0.9		20	18.500	**6358 70 5**
MAH 60 150 FS	150	M10	144	134	0.65		20	23.000	**6358 70 9**
MAH 60 200 FS	200	M10	195	184	0.45		20	27.600	**6358 71 3**
MAH 60 300 FS	300	M10	295	284	0.22		20	36.700	**6358 71 7**
MAH 60 100 FT	100	M10	94	84	0.9		20	18.500	**6358 75 2**
MAH 60 150 FT	150	M10	144	134	0.65		20	23.000	**6358 75 6**
MAH 60 200 FT	200	M10	195	184	0.45		20	27.600	**6358 76 0**
MAH 60 300 FT	300	M10	295	284	0.22		20	36.700	**6358 76 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Central suspension for cable trays with rolled side rail of side height 60 mm.

The central suspension possesses a rotatable M10 threaded sleeve. When filling, ensure an even distribution of the load (avoid one-sided filling).



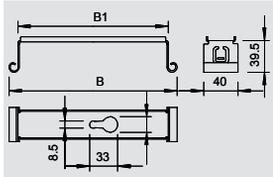
Central suspension for cable tray MAH



Type	For width mm	Dimension B mm	Dimension B1 mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAH 050 FS	50	47	26		50	5.000	**6358 50 0**
MAH 075 FS	75	72	51		50	6.500	**6358 51 0**
MAH 100 FS	100	97	76		50	7.500	**6358 52 7**
MAH 150 FS	150	147	126		50	8.000	**6358 53 5**
MAH 200 FS	200	197	176		50	12.500	**6358 54 3**

St Steel FS Strip-galvanised /pc.

Central suspension for cable trays for attachment from the side rail of the cable tray.



Central suspension, universal

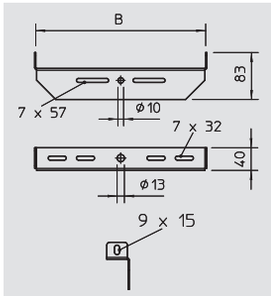


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAHU 200 FS	200		20	27.500	**6358 85 3**
MAHU 300 FS	300		20	39.300	**6358 85 6**
MAHU 400 FS	400		20	68.800	**6358 86 0**
MAHU 500 FS	500		20	85.800	**6358 86 4**
MAHU 600 FS	600		15	103.300	**6358 86 8**
MAHU 200 FT	200		20	28.700	**6358 88 4**
MAHU 300 FT	300		20	43.300	**6358 88 8**
MAHU 400 FT	400		20	71.300	**6358 89 2**
MAHU 500 FT	500		20	89.100	**6358 89 6**
MAHU 600 FT	600		15	107.000	**6358 90 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Universal central suspension for fastening to threaded rods and supports.

Preferred use of this central suspension in combination with cable ladders and mesh cable trays.



Central suspension, universal

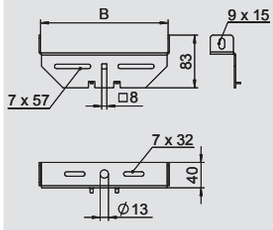


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAHU 200 R8 FS	200		10	27.500	**6358 87 2**
MAHU 300 R8 FS	300		20	41.300	**6358 87 3**
MAHU 400 R8 FS	400		20	68.800	**6358 87 4**
MAHU 500 R8 FS	500		20	86.000	**6358 87 5**
MAHU 600 R8 FS	600		15	103.300	**6358 87 6**

St Steel FS Strip-galvanised /pc.

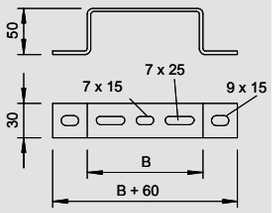
Universal central suspension for fastening to threaded rods and supports.

Preferred use of this central suspension in combination with cable ladders and mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



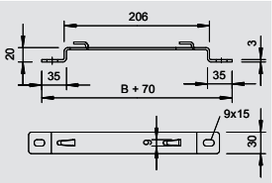
Stand-off bracket



Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBL 50 100 FS	100		20	15.800	**6015 50 6**
DBL 50 150 FS	150		20	19.300	**6015 51 4**
DBL 50 200 FS	200		20	22.800	**6015 52 2**
DBL 50 300 FS	300		20	38.000	**6015 53 0**
DBL 50 400 FS	400		20	47.400	**6015 54 9**
DBL 50 500 FS	500		25	59.100	**6015 55 2**
DBL 50 600 FS	600		20	69.000	**6015 55 5**
DBL 50 100 FT	100		20	16.000	**6015 56 5**
DBL 50 150 FT	150		20	19.500	**6015 57 3**
DBL 50 200 FT	200		20	23.000	**6015 58 1**
DBL 50 300 FT	300		20	38.250	**6015 60 3**
DBL 50 400 FT	400		20	47.700	**6015 61 1**
DBL 50 500 FT	500		25	62.600	**6015 61 4**
DBL 50 600 FT	600		20	73.100	**6015 61 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Stand-off bracket for cable trays and mesh cable trays.



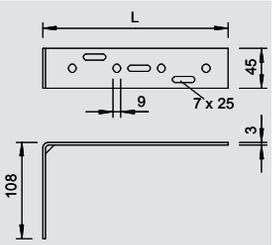
Stand-off bracket



Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBLG 20 050 FS	50		20	10.300	**6015 64 6**
DBLG 20 100 FS	100		20	13.800	**6015 65 4**
DBLG 20 150 FS	150		20	17.400	**6015 65 8**
DBLG 20 200 FS	200		20	20.900	**6015 66 2**
DBLG 20 300 FS	300		20	37.300	**6015 67 0**
DBLG 20 400 FS	400		20	46.700	**6015 68 9**
DBLG 20 500 FS	500		25	56.900	**6015 69 3**
DBLG 20 600 FS	600		25	66.400	**6015 69 7**
DBLG 20 050 FT	50		20	10.700	**6015 64 8**
DBLG 20 100 FT	100		20	14.300	**6015 65 6**
DBLG 20 150 FT	150		20	18.100	**6015 66 0**
DBLG 20 200 FT	200		20	21.700	**6015 66 4**
DBLG 20 300 FT	300		20	38.800	**6015 67 2**
DBLG 20 400 FT	400		20	48.600	**6015 69 1**
DBLG 20 500 FT	500		25	59.200	**6015 69 5**
DBLG 20 600 FT	600		25	69.100	**6015 69 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Stand-off bracket for stand-off of mesh cable trays on the floor or on the wall.
Screwless fastening of the mesh cable tray on the stand-off bracket.



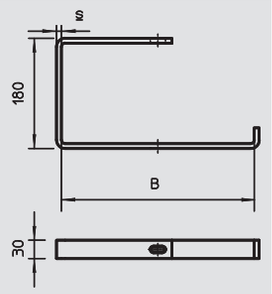
Wall bracket



Type	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WW 100 15 FS	158		50	25.000	**6015 36 0**
WW 100 20 FS	208		50	30.000	**6015 37 9**

St Steel FS Strip-galvanised /pc.

Wall bracket for fastening to masonry and concrete to accept low loads.



Ceiling bracket



Type	Width mm	Dimension s mm	Hole-Ø mm	F in ceiling kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AHB 100 FT	100	6	11	0.6		1	54.000	**6363 90 3**
AHB 150 FT	150	8	11	0.6		1	87.000	**6363 90 7**
AHB 200 FT	200	8	11	0.6		1	101.000	**6363 91 1**
AHB 300 FT	300	8	11	0.35		1	130.000	**6363 93 8**
AHB 400 FT	400	8	11	0.2		1	157.000	**6363 94 6**

St Steel FT Hot-dip galvanised /pc.

Ceiling bracket for cable support systems.

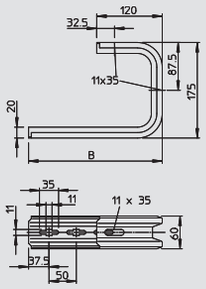
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



TP wall and ceiling bracket

Type	Width mm	For width mm	F in kN Wall kN	F in ceiling kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPD 145 FS	145	100	1.4	1.3	6	48.000	**6363 80 6**
TPD 245 FS	245	200	0.87	0.8	5	66.000	**6363 81 4**
TPD 345 FS	345	300	0.55	0.5	5	78.000	**6363 82 2**
TPD 445 FS	445	400	0.55	0.5	5	94.000	**6363 82 6**
TPD 545 FS	545	500	0.55	0.5	5	108.000	**6363 82 9**
TPD 145 FT	145	100	1.4	1.3	6	54.000	**6363 86 1**
TPD 245 FT	245	200	0.87	0.8	5	69.000	**6363 86 5**
TPD 345 FT	345	300	0.55	0.5	5	83.000	**6363 86 9**

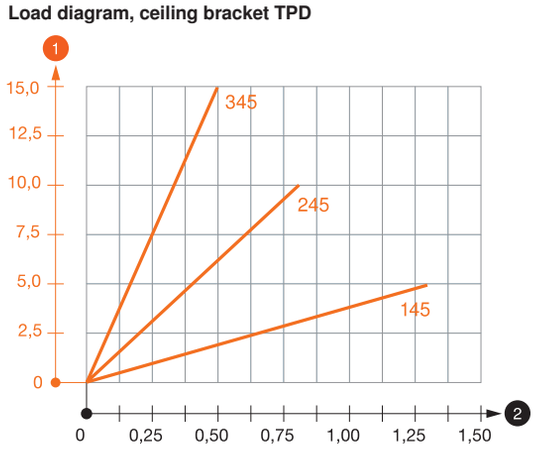
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.



TP wall and ceiling bracket for universal use.

Important! If the bracket is fixed directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.
Max. side height of the cable support system: 60 mm.

Load diagram, ceiling bracket TPD



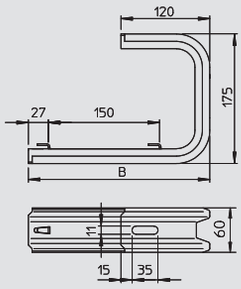
1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TPD wall and ceiling bracket

Single-sided ceiling bracket load				
	Anchors	Max. total load F in kN		
	Appr.	Bracket length in mm		
	F kN	145	245	345
	2.4	1.50	0.90	0.55
	4.3	1.50	1.20	0.80

Max. total load F = cable weight + cable tray + ceiling bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



TP wall and ceiling bracket



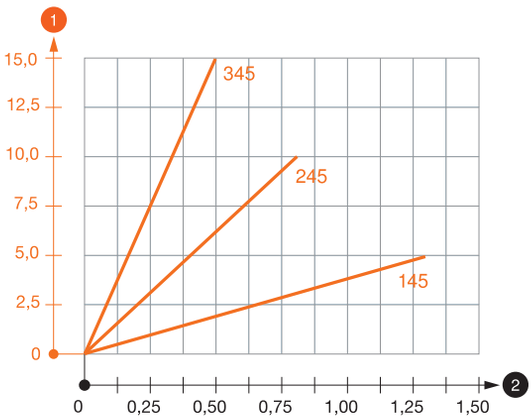
Type	Width mm	For width mm	F in kN Wall kN	F in ceiling kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPDG 145 FS	145	100	1.4	1.3	6	53.000	**6365 90 6**
TPDG 195 FS	195	150	1.05	0.95	6	59.000	**6365 91 4**
TPDG 245 FS	245	200	0.87	0.8	5	68.000	**6365 92 2**
TPDG 345 FS	345	300	0.55	0.5	5	81.000	**6365 94 9**
TPDG 145 FT	145	100	1.4	1.3	6	56.000	**6365 97 7**
TPDG 245 FT	245	200	0.87	0.8	5	71.000	**6365 98 1**
TPDG 345 FT	345	300	0.55	0.5	5	86.000	**6365 98 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

TP wall and ceiling bracket with clamping lugs for screwless mesh cable tray fastening.

Important! If the ceiling bracket is fastened directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.
Max. side height of the cable support system 60 mm.

Load diagram, ceiling bracket TPDG



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TPDG wall and ceiling bracket

Single-sided bracket load				
	Anchors	Max. total load F in kN		
	Appr.	Bracket length in mm		
	F kN	145	245	345
	2.4	1.50	0.90	0.55
	4.3	1.50	1.20	0.80

Max. total load F = cable weight + cable tray + ceiling bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25.

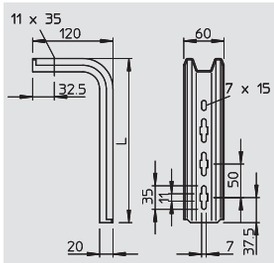
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



TP support

Type	Length mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPS 445 FS	445	1.05	15	73.000	**6364 32 2**
TPS 545 FS	545	0.8	15	80.000	**6364 34 9**
TPS 645 FS	645	0.61	15	99.000	**6364 36 5**
TPS 445 FT	445	1.05	15	75.000	**6364 40 3**
TPS 545 FT	545	0.8	15	89.000	**6364 50 0**
TPS 645 FT	645	0.61	15	103.000	**6364 60 8**

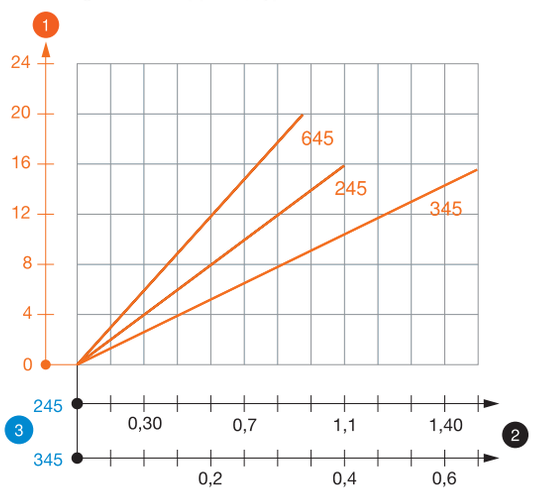
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.



TP support for fastening to horizontal concrete ceilings.

If the support is fastened directly to the ceiling or the support is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4.
Important: only use brackets of length 345 mm or less.

Load diagram, TP supports, type TPS



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

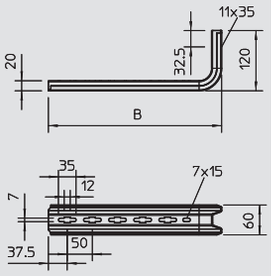
Characteristic anchor load values for TP support

Single-sided bracket load				
Anchors	Max. total load F in kN			
Perm.	Bracket length in mm			
F kN	145	245	345	
2.4	1.50	0.94	0.67	
4.3	1.50	1.05	0.85	

Double-sided bracket load			
Anchors	Max. total load F in kN		
Perm.	Bracket length in mm		
F kN	145	245	345
2.4	2.50	1.88	1.34
4.3	2.50	2.50	1.70

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 17 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



TP support / wall and support bracket



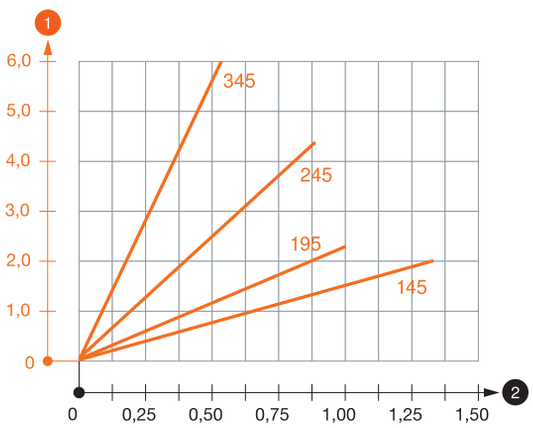
Type	Width mm	For width mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSA 145 FS	145	100	1.5		50	32.000	**6364 10 1**
TPSA 245 FS	245	200	0.9		20	45.000	**6364 20 9**
TPSA 345 FS	345	300	0.55		20	59.000	**6364 30 6**
TPSA 145 FT	145	100	1.5		50	33.000	**6364 65 9**
TPSA 195 FT	195	150	1		20	40.000	**6364 68 3**
TPSA 245 FT	245	200	0.9		20	47.000	**6364 66 7**
TPSA 345 FT	345	300	0.55		20	62.000	**6364 67 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

TP support/bracket for fixing to horizontal concrete ceilings and walls.

If the bracket is fastened directly to the ceiling or the bracket is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4.

Load diagram, bracket TPSA

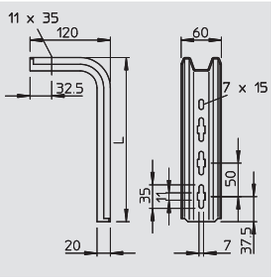


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TP bracket

Bracket load				
F F	Anchors	Max. total load F in kN		
	Appr.	Bracket length in mm		
	F kN	145	245	345
	2.4	1.50	0.90	0.55
	4.3	1.50	1.20	0.80

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



TP support / wall and support bracket



Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSA 195 FS	195		20	38.000	**6364 15 2**
TPSA 295 FS	295		20	52.000	**6364 26 8**
TPSA 395 FS	395		20	65.000	**6364 27 6**

St Steel FS Strip-galvanised /pc.

Bracket for mounting on TPS suspended supports or as wall bracket for standard cable tray routing type for function maintenance to DIN 4102 Part 12.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



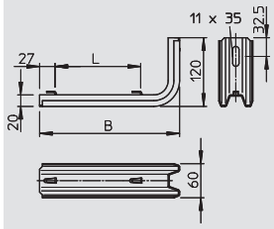
TP support / wall and support bracket

Type	Width mm	For width mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSAG 145 FS	145	100	1.5		50	33.000	**6366 01 5**
TPSAG 195 FS	195	150	1		20	41.000	**6366 02 3**
TPSAG 245 FS	245	200	0.9		20	48.000	**6366 03 1**
TPSAG 345 FS	345	300	0.55		20	61.000	**6366 06 6**
TPSAG 145 FT	145	100	1.5		50	33.000	**6366 13 1**
TPSAG 195 FT	195	150	1		20	42.000	**6366 13 5**
TPSAG 245 FT	245	200	0.9		20	49.000	**6366 13 9**
TPSAG 345 FT	345	300	0.55		20	65.000	**6366 14 3**

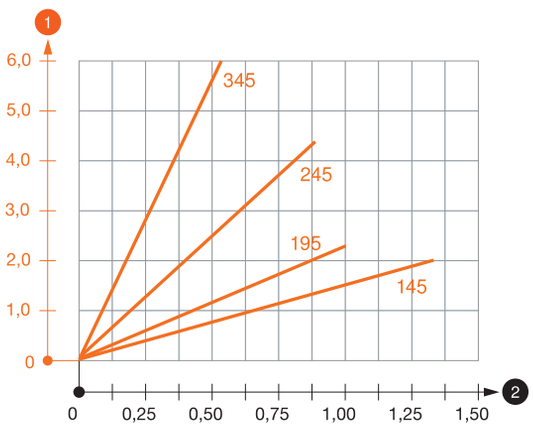
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

TP bracket with clamping lugs for screwless mesh cable tray fastening.

If the bracket is fastened directly to the wall or the profiles are screwed together, then, for reasons of stability, always use the spacer, type DS 4.



Load diagram, bracket TPSAG

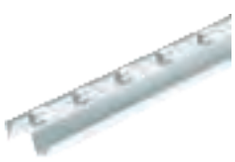


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TP bracket

Bracket load			
Anchors	Max. total load F in kN		
Appr.	Bracket length in mm		
F kN	145	245	345
2.4	1.50	0.90	0.55
4.3	1.50	1.20	0.80

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

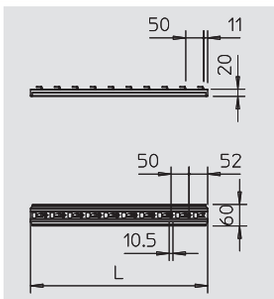


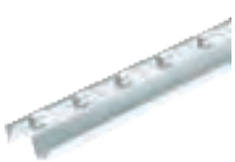
TP profile

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSG 150L FS	150		20	20.000	**6366 53 3**
TPSG 200L FS	200		20	26.500	**6366 53 6**
TPSG 250L FS	250		20	33.000	**6366 53 9**
TPSG 300L FS	300		30	39.500	**6366 54 2**
TPSG 400L FS	400		30	52.500	**6366 54 5**
TPSG 500L FS	500		20	65.500	**6366 54 8**
TPSG 600L FS	600		20	78.500	**6366 55 1**
TPSG 700L FS	700		10	91.400	**6366 55 4**

St Steel FS Strip-galvanised /pc.

TP profile with clamping lugs.



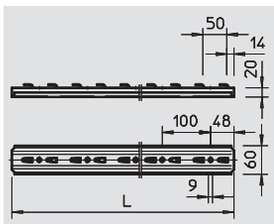


TP profile

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSG 3000 FS	3,000		1	401.700	**6366 09 0**
TPSG 3000 FT	3,000		1	461.000	**6366 09 3**

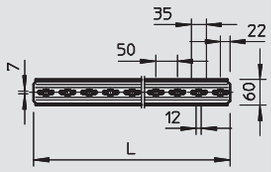
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

TP profile with clamping lugs.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

TP profile



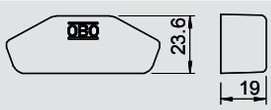
Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
TPS 3000 FS	3,000		1	441.000	**6364 80 2**

St Steel FS Strip-galvanised /pc.

TP profile, perforated, in supply length 3,000 mm.



End cap



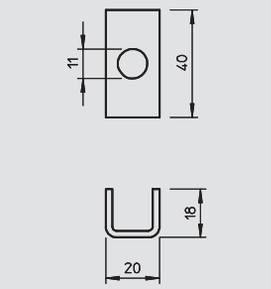
Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
TPS KS OR	Pastel orange		10	0.700	**6364 62 5**

PE Polyethylene /pc.

End cap to cover ends of TP supports.



Spacer



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DS 4 FS		20	3.700	**6416 55 1**
DS 4 FT		20	3.800	**6416 58 6**

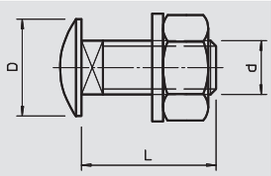
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Spacer for use in brackets, type TP.

For static reasons, the spacer is always used to prevent the bracket from deforming when the fastening screws are tightened.



Truss-head bolt

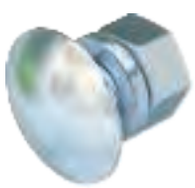


Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X25 F TPS	M10 x 25	25	10	18		50	4.300	**6407 53 6**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck. With washer and hexagonal nut.

The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.



Hexagonal bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X60 F	M10 x 60	60	10	17		20	6.000	**6408 51 6**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

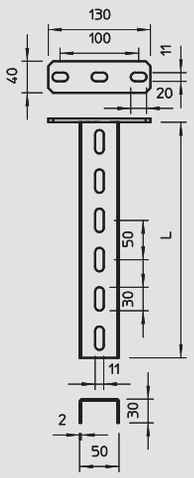
U support and bracket systems



US 3 support

Type	Length mm	Material thickness mm	Tensile load kN	Bracket length 200 kN	Bracket length 400 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 K 20 FT	200	2	5	2.7	1.5	1	50.500	**6342 35 1**
US 3 K 30 FT	300	2	5	2.7	1.5	1	64.400	**6342 35 3**
US 3 K 40 FT	400	2	5	2.7	1.5	1	78.300	**6342 35 5**
US 3 K 50 FT	500	2	5	2.7	1.5	1	92.300	**6342 35 7**
US 3 K 60 FT	600	2	5	2.1	1.1	1	106.200	**6342 35 9**
US 3 K 70 FT	700	2	5	2.1	1.1	1	120.200	**6342 36 2**
US 3 K 80 FT	800	2	5	2.1	1.1	1	134.100	**6342 36 4**
US 3 K 90 FT	900	2	5	2.1	1.1	1	147.800	**6342 36 6**
US 3 K 100 FT	1,000	2	5	2.1	1.1	1	162.000	**6342 36 8**
US 3 K 110 FT	1,100	2	5	2.1	1.1	1	175.900	**6342 37 0**
US 3 K 120 FT	1,200	2	5	2.1	1.1	1	189.900	**6342 37 2**

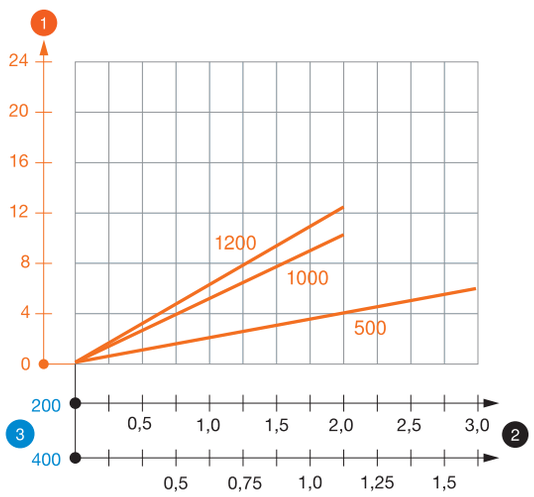
St Steel FT Hot-dip galvanised /pc.



Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

Load diagram, U support, type US 3 K



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 3 K suspended support

Single-sided bracket load					
Anchors Perm.	Max. total load F in kN Bracket length in mm				
F kN	100	200	300	400	
2.4	1.68	1.26	1.00	0.83	
4.3	3.06	2.31	1.85	1.50	

Double-sided bracket load				
Anchors Perm.	Max. total load F in kN Bracket length in mm			
F kN	100	200	300	400
2.4	3.00	2.56	2.25	1.95
4.3	3.00	3.00	3.00	3.00

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

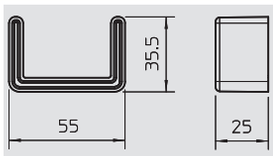


End cap

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 KS OR	Pastel orange		20	1.070	**6338 45 8**

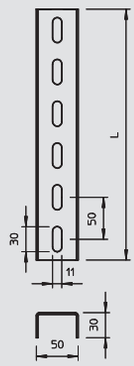
PE Polyethylene /pc.

End cap to cover the ends of US 3 supports.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 3 support FS

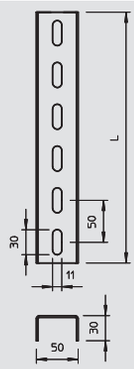
Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 20 FS	200	2		1	27.000	**6342 30 2**
US 3 30 FS	300	2		1	40.000	**6342 30 4**
US 3 40 FS	400	2		1	53.000	**6342 30 6**
US 3 50 FS	500	2		1	67.000	**6342 30 8**
US 3 60 FS	600	2		1	80.000	**6342 31 0**
US 3 70 FS	700	2		1	93.000	**6342 31 2**
US 3 80 FS	800	2		1	107.000	**6342 31 4**
US 3 90 FS	900	2		1	120.000	**6342 31 6**
US 3 100 FS	1,000	2		1	133.000	**6342 31 8**
US 3 150 FS	1,500	2		1	200.000	**6342 32 8**
US 3 200 FS	2,000	2		1	266.000	**6342 33 8**
US 3 300 FS	3,000	2		1	399.000	**6342 34 0**
US 3 600 FS	6,000	2		1	798.000	**6342 34 5**

St Steel FS Strip-galvanised /pc.

U support in fixed lengths. Dimensions 30 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.





US 3 support FT

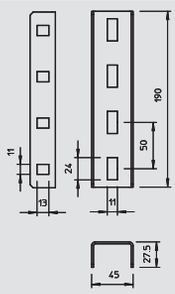
Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 600 FT	6,000	2		1	834.000	**6342 45 0**

St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 30 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.





U support connector

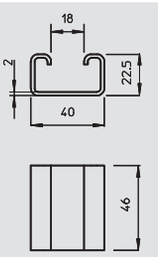
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 3 FT		10	48.000	**6018 51 3**

St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 3 supports.

Including appropriate fastening material.





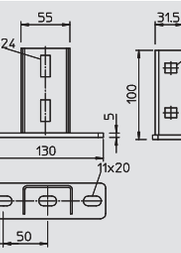
Spacer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 25 FT		25	7.500	**6416 44 6**

St Steel FT Hot-dip galvanised /pc.

Spacer for use in U 3 supports.





Head plate

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 FT		10	46.800	**6348 87 4**

St Steel FT Hot-dip galvanised /pc.

Head plate for mounting on US 3 supports.

The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems



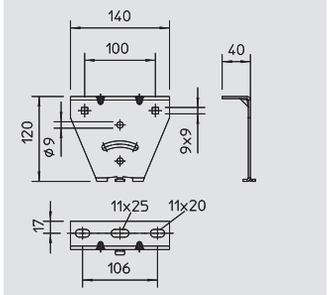
Head plate, variable

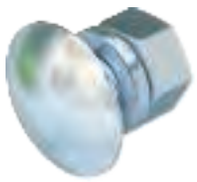
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 V FS		20	26.700	**6348 88 1**
KU 3 V FT		20	27.500	**6348 88 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Variable head plate for installation on US 3 supports and profile rails, type 2068.

The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type 2068. The maximum angle adjustment is 20° on one side.





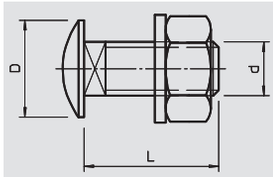
Truss-head bolt

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X25 F 8.8	M10 x 25	25	10	24		50	4.500	**6407 56 0**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck. With washer and hexagonal nut.

The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.



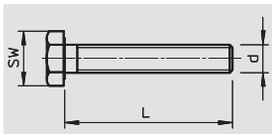


Hexagonal bolt

Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 F	M10 x 80	80	10	17		20	7.700	**6418 25 0**
SKS 10X90 F	M10 x 90	90	10	17		20	7.800	**6418 25 2**

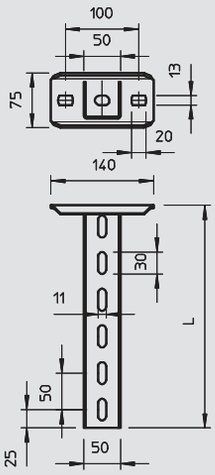
St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 5 support

Type	Length	Material thickness	Tensile load	Bracket length 200	Bracket length 400	Pack.	Weight	Item No.
	mm	mm	kN	kN	kN	pcs	kg/100 pcs.	
US 5 K 20 FT	200	2.5	10	5.75	3.1	1	85.000	**6341 52 7**
US 5 K 30 FT	300	2.5	10	5.75	3.1	1	110.000	**6341 53 5**
US 5 K 40 FT	400	2.5	10	5.75	3.1	1	136.000	**6341 54 3**
US 5 K 50 FT	500	2.5	10	5.75	3.1	1	161.000	**6341 55 1**
US 5 K 60 FT	600	2.5	10	5.75	3.1	1	185.000	**6341 57 8**
US 5 K 70 FT	700	2.5	10	5.75	3.1	1	210.000	**6341 58 6**
US 5 K 80 FT	800	2.5	10	5.75	3.1	1	236.000	**6341 59 4**
US 5 K 90 FT	900	2.5	10	5.75	3.1	1	261.000	**6341 60 8**
US 5 K 100 FT	1,000	2.5	10	5.75	3.1	1	286.000	**6341 61 6**
US 5 K 110 FT	1,100	2.5	10	4	2.2	1	311.000	**6341 62 4**
US 5 K 120 FT	1,200	2.5	10	4	2.2	1	337.000	**6341 63 2**

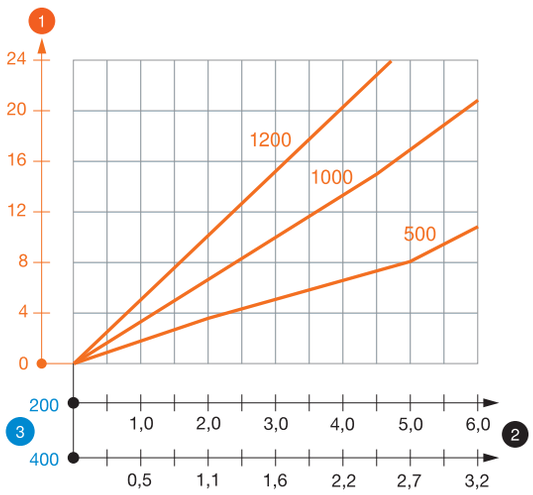
St Steel FT Hot-dip galvanised /pc.

U support of dimensions 50 x 50 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.



Load diagram, U support, type US 5 K

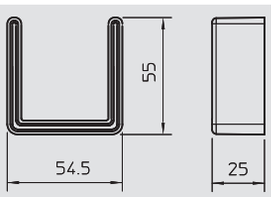


1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 5 K suspended support

Single-sided bracket load						Double-sided bracket load						
Anchors	Max. total load F in kN					Anchors	Max. total load F in kN					
Perm.	Bracket length in mm					Perm.	Bracket length in mm					
F kN	100	200	300	400		F kN	100	200	300	400	500	600
4.3	3.06	2.31	1.85	1.53		4.3	6.00	5.02	4.32	3.65	–	–
7.6	4.90	4.10	3.24	2.66		7.6	6.00	6.00	6.00	5.78	5.29	4.84

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).



End cap



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 5 KS OR	Pastel orange		20	1.300	**6338 46 2**

PE Polyethylene /pc.

End cap to cover the ends of US 5 supports.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems

US 5 support



Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 20 FT	200	2.5		1	53.000	**6340 88 1**
US 5 30 FT	300	2.5		1	79.000	**6340 90 3**
US 5 40 FT	400	2.5		1	106.000	**6340 91 1**
US 5 50 FT	500	2.5		1	133.000	**6340 93 8**
US 5 60 FT	600	2.5		1	160.000	**6340 94 6**
US 5 70 FT	700	2.5		1	175.000	**6340 95 0**
US 5 80 FT	800	2.5		1	200.000	**6340 95 4**
US 5 90 FT	900	2.5		1	227.000	**6340 95 8**
US 5 100 FT	1,000	2.5		1	265.000	**6340 96 2**
US 5 110 FT	1,100	2.5		1	278.000	**6340 96 4**
US 5 120 FT	1,200	2.5		1	304.000	**6340 96 5**
US 5 150 FT	1,500	2.5		1	395.000	**6340 96 6**
US 5 200 FT	2,000	2.5		1	506.000	**6340 97 0**
US 5 300 FT	3,000	2.5		1	795.000	**6340 98 9**
US 5 600 FT	6,000	2.5		1	1,578.000	**6340 99 7**

St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 50 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.



U support connector

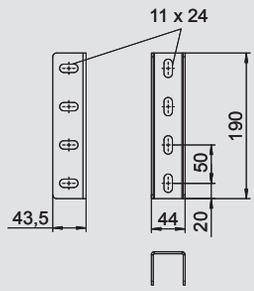


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 5 FT		10	44.000	**6018 50 5**

St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 5 supports.

Including appropriate fastening material.



Spacer

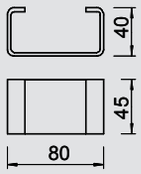


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 FT		25	19.000	**6416 50 0**

St Steel FT Hot-dip galvanised /pc.

Spacer for use in U 5 support and in the head plate, type KU 7 VQP.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the all-round hexagonal bolt.



Head plate US 5

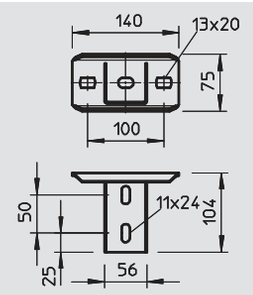


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 5 FT		10	75.000	**6348 90 4**

St Steel FT Hot-dip galvanised /pc.

Head plate for installation in US 5 support.

When installing the head plate, please use the spacer, type DSK 45.



Head plate US 5 NOK

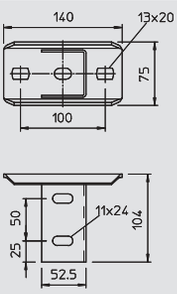


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 5 NOK FT		10	75.000	**6348 93 9**

St Steel FT Hot-dip galvanised /pc.

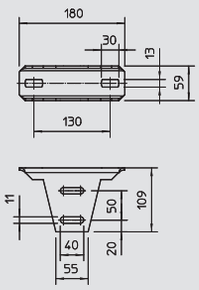
Head plate for reverse installation in US 5 support.

When installing the head plate, please use the spacer, type DSK 45.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Head plate, variable

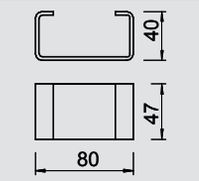
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 5 V FT		4	82.000	**6348 92 0**

St Steel FT Hot-dip galvanised /pc.

Variable head plate for mounting on US 5 support.

The spacer, type DSK 47, is used for stabilisation when mounting the head plate. The maximum angle adjustment is approx. 30° on one side.





Spacer

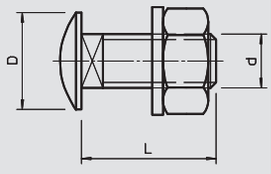
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 47 FT		25	16.000	**6416 50 4**

St Steel FT Hot-dip galvanised /pc.

Spacer for use in head plate, type KU 5 V.

For static reasons, the spacer is always used to increase stability to prevent the head plate from deforming when the hexagonal bolts are tightened.





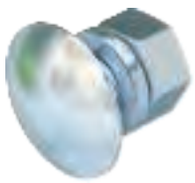
Truss-head bolt

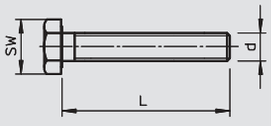
Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X25 F 8.8	M10 x 25	25	10	24		50	4.500	**6407 56 0**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck. With washer and hexagonal nut.

The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.





Hexagonal bolt

Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 F	M10 x 80	80	10	17		20	7.700	**6418 25 0**
SKS 10X90 F	M10 x 90	90	10	17		20	7.800	**6418 25 2**
SKS 10X120 F	M10 x 120	120	10	17		20	13.500	**3160 79 3**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems



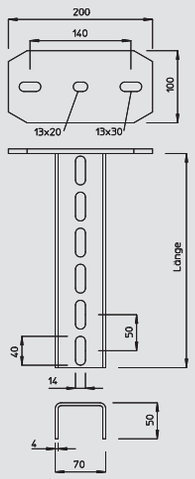
US 7 support

Type	Length	Material thickness	Tensile load	Bracket length 200	Bracket length 400	Bracket length 600	Pack.	Weight	Item No.
	mm	mm	kN	kN	kN	kN	pcs	kg/100 pcs.	
US 7 K 20 FT	200	4	11	8.3	5	3.5	1	176.000	**6339 01 8**
US 7 K 30 FT	300	4	11	8.3	5	3.5	1	216.000	**6339 03 4**
US 7 K 40 FT	400	4	11	8.3	5	3.5	1	257.000	**6339 05 0**
US 7 K 50 FT	500	4	11	8.3	5	3.5	1	297.000	**6339 07 7**
US 7 K 60 FT	600	4	11	8.3	5	3.5	1	337.000	**6339 09 3**
US 7 K 70 FT	700	4	11	8.3	5	3.5	1	378.000	**6339 11 5**
US 7 K 80 FT	800	4	11	8.3	5	3.5	1	418.000	**6339 13 1**
US 7 K 90 FT	900	4	11	8.3	5	3.5	1	458.000	**6339 16 6**
US 7 K 100 FT	1,000	4	11	8.3	5	3.5	1	499.000	**6339 18 2**
US 7 K 110 FT	1,100	4	11	8.3	5	3.5	1	539.000	**6339 19 0**
US 7 K 120 FT	1,200	4	11	8.3	5	3.5	1	579.000	**6339 20 4**
US 7 K 130 FT	1,300	4	11	8.3	5	3.5	1	620.000	**6339 21 2**
US 7 K 140 FT	1,400	4	11	8.3	5	3.5	1	660.000	**6339 22 0**
US 7 K 150 FT	1,500	4	11	8.3	5	3.5	1	701.000	**6339 23 9**
US 7 K 160 FT	1,600	4	11	7.5	4.2	2.9	1	741.000	**6339 24 7**
US 7 K 170 FT	1,700	4	11	7.5	4.2	2.9	1	781.000	**6339 25 5**
US 7 K 180 FT	1,800	4	11	7.5	4.2	2.9	1	822.000	**6339 26 3**
US 7 K 190 FT	1,900	4	11	7.5	4.2	2.9	1	862.000	**6339 27 1**
US 7 K 200 FT	2,000	4	11	7.5	4.2	2.9	1	902.000	**6339 29 8**

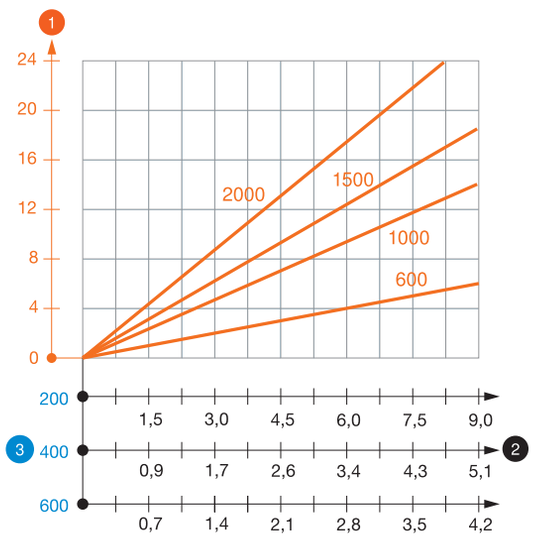
St Steel FT Hot-dip galvanised /pc.

Suspended support (U profile) of dimensions 70 x 50 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.



Load diagram, U support, type US 7 K



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for U support, type US 7 K

Single-sided bracket load								Double-sided bracket load							
	Anchors	Max. total load F in kN							Anchors	Max. total load F in kN					
	Perm.	Bracket length in mm							Perm.	Bracket length in mm					
	F kN	100	200	300	400	500	600		F kN	100	200	300	400	500	600
	4.3	3.49	2.79	2.36	2.00	1.76	1.56		4.3	6.39	5.49	4.89	4.39	3.89	3.49
	7.6	6.22	4.87	4.02	3.43	3.04	2.68		7.6	8.50	8.50	8.50	8.50	8.50	8.50

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 14 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

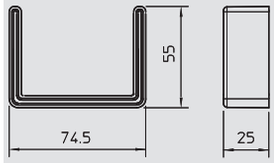


End cap

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 7 KS OR	Pastel orange		20	1.800	**6338 49 7**

PE Polyethylene /pc.

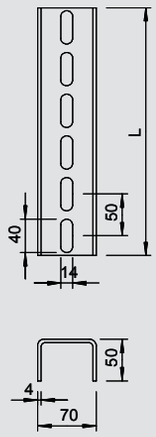
End cap to cover the ends of US 7 supports.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

US 7 support



Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 7 20 FT	200	4		1	81.000	**6340 01 6**
US 7 30 FT	300	4		1	121.000	**6340 03 2**
US 7 40 FT	400	4		1	161.000	**6340 05 9**
US 7 50 FT	500	4		1	202.000	**6340 07 5**
US 7 60 FT	600	4		1	242.000	**6340 09 1**
US 7 70 FT	700	4		1	283.000	**6340 11 3**
US 7 80 FT	800	4		1	323.000	**6340 14 8**
US 7 90 FT	900	4		1	363.000	**6340 16 4**
US 7 100 FT	1,000	4		1	404.000	**6340 18 0**
US 7 110 FT	1,100	4		1	444.000	**6340 19 9**
US 7 120 FT	1,200	4		1	484.000	**6340 20 2**
US 7 130 FT	1,300	4		1	525.000	**6340 21 0**
US 7 140 FT	1,400	4		1	565.000	**6340 22 9**
US 7 150 FT	1,500	4		1	606.000	**6340 23 7**
US 7 160 FT	1,600	4		1	646.000	**6340 24 5**
US 7 170 FT	1,700	4		1	686.000	**6340 25 3**
US 7 180 FT	1,800	4		1	727.000	**6340 26 1**
US 7 190 FT	1,900	4		1	767.000	**6340 28 8**
US 7 200 FT	2,000	4		1	807.000	**6340 29 6**
US 7 300 FT	3,000	4		1	1,211.000	**6340 37 7**
US 7 400 FT	4,000	4		1	1,615.000	**6340 39 3**
US 7 600 FT	6,000	4		1	2,422.000	**6340 31 8**

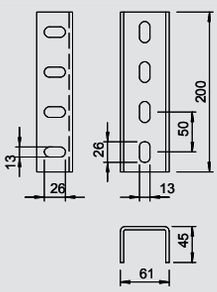
St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 70 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.



U support connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 7 FT		10	114.000	**6018 37 8**

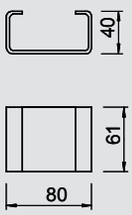
St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 7 supports.

Including appropriate fastening material.



Spacer



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 61 FT		20	26.000	**6416 51 9**

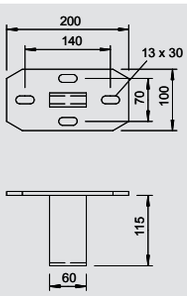
St Steel FT Hot-dip galvanised /pc.

Spacer for use in U 7 supports.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.



Head plate, light-duty



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 7 FT		10	160.000	**6349 10 2**

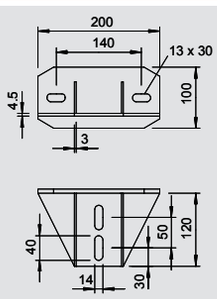
St Steel FT Hot-dip galvanised /pc.

Light-duty head plate for mounting on US 7 support.

Please order fastening material (two hexagonal bolts SKS 12 x 80) separately.



Head plate, heavy-duty

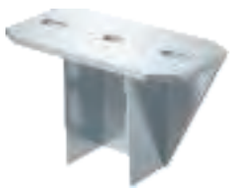


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 7 NOX FT		1	184.000	**6349 05 6**

St Steel FT Hot-dip galvanised /pc.

Heavy-duty head plate for installation in US 7 support.

Please order fastening material (two truss-head bolts FRS 12 x 25) separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems



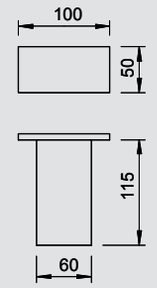
Head plate for welding

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 7 AOX FT		1	82.000	6349 21 8

St Steel FT Hot-dip galvanised /pc.

Head plate for US 7 support for welding on steel girder.

Please order fastening material (two hexagonal bolts SKS 12 x 80) separately.





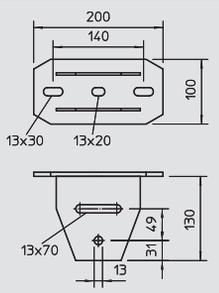
Head plate, variable

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 7 VQP FT		10	180.000	6349 15 3

St Steel FT Hot-dip galvanised /pc.

Variable head plate for mounting on US 7 support.

Please order fastening material (two hexagonal bolts SKS 12 x 80 and spacer DSK 45) separately. The maximum angle adjustment is 30° on one side.





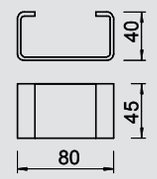
Spacer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 FT		25	19.000	6416 50 0

St Steel FT Hot-dip galvanised /pc.

Spacer for use in U 5 support and in the head plate, type KU 7 VQP.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the all-round hexagonal bolt.





Adapter head plate, symmetrical

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-SY FT		1	280.000	6346 80 4

St Steel FT Hot-dip galvanised /pc.

Adapter head plate, symmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.

The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

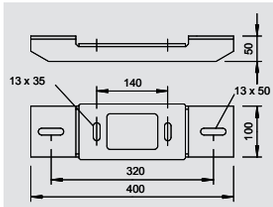
Adapter head plate, symmetrical, single-sided

Anchors Appr.	Max. total load F in kN, Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	5.56	4.98	4.58	4.13	3.81	3.54
9.91	7.44	6.66	6.05	5.54	5.10	4.73

Adapter head plate, symmetrical, double-sided

Anchors Appr.	Max. total load F in kN, Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	10.00	10.00	9.16	8.26	7.62	7.08
9.91	10.00	10.00	10.00	10.00	10.00	9.46

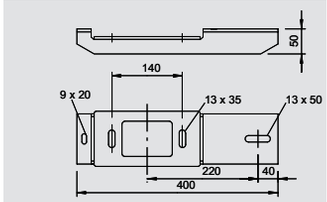
Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 32 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Adapter head plate, asymmetrical





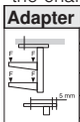
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-ASY FT		1	280.000	**6346 82 0**

St Steel FT Hot-dip galvanised /pc.

Adapter head plate, asymmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.

The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

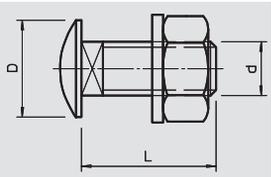
Adapter head plate, asymmetrical, single-sided

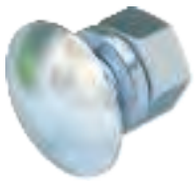


Anchors	Max. total load F in kN					
Appr.	Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	4.49	4.13	3.81	3.54	2.74	2.56
9.91	6.02	5.52	5.10	4.73	4.63	3.46

Max. total load F = cable weight + cable tray + bracket + support.
The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Truss-head bolt





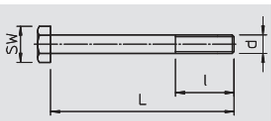
Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 12X25 F	M12 x 25	25	12	30	10	6.400	**6406 25 4**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck. With washer and hexagonal nut.

The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.

Hexagonal bolt



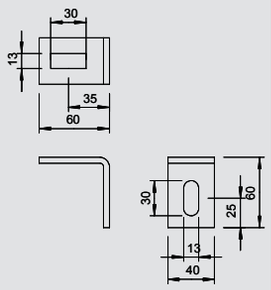


Type	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X80 F	M12 x 80	80	30	12	19	20	11.800	**6418 28 7**
SKS 12X100 F	M12 x 100	100	30	12	19	20	12.600	**6418 29 5**
SKS 12X110 F	M12 x 110	110	30	12	19	20	14.500	**6418 31 7**
SKS 12X130 F	M12 x 130	130	36	12	19	20	15.500	**6408 47 8**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt with hexagonal nut, washer and serrated lock washer.

Mounting angle BW 60



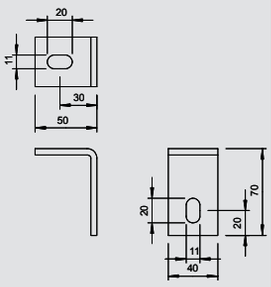


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 60 40 FT		10	22.000	**6019 56 0**

St Steel FT Hot-dip galvanised /pc.

Mounting angle of limb dimension 60 x 60 mm.
Including truss-head bolt M12 x 25.

Mounting angle BW 70





Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 70 40 FT		10	22.000	**6019 70 6**

St Steel FT Hot-dip galvanised /pc.

Mounting angle of limb dimension 70 x 50 mm.
Including truss-head bolt M10 x 25.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems



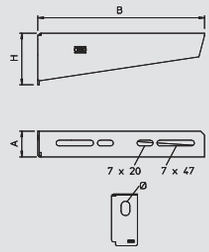
Wall and support bracket MWA 12

Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
MWA 12 11S FS	110	53	32.5	11	1.2		30	12.700	**6424 71 6**
MWA 12 21S FS	210	65	32.5	11	1.2		30	24.500	**6424 73 2**
MWA 12 31S FS	310	75	38	11	1.2		30	57.000	**6424 74 0**
MWA 12 41S FS	410	83	38	11	1.2		30	68.000	**6424 75 9**

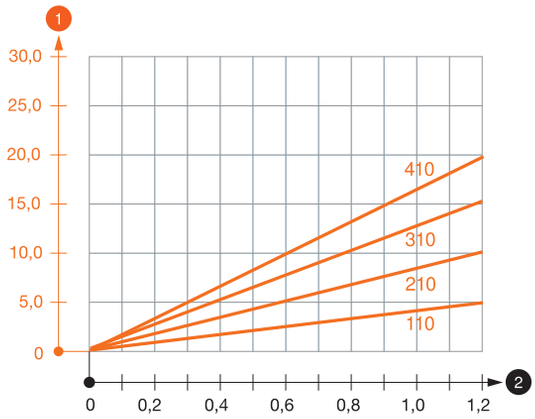
St Steel FS Strip-galvanised /pc.

Light-duty wall and support bracket.

Including truss-head bolt M10 x 25 for fastening to U supports.



Load diagram, bracket, type MWA 12



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket MWA 12

Bracket load					
F F	Anchors	Max. total load F in kN			
	Appr.	Bracket length in mm			
	F kN	100	200	300	400
	2.4	0.73	0.61	0.49	0.44
	4.3	1.20	1.08	0.88	0.78

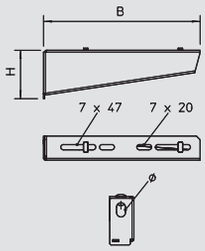
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Load values for MWA 12 on suspended support

Max. total load F in kN					
	Support	Bracket length in mm			
		100	200	300	400
	US 3 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 3 K/ 70 - 120	1.20	1.20	1.20	1.20
	US 5 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 5 K/ 70 - 120	1.20	1.20	1.20	1.20

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wall and support bracket MWAM 12



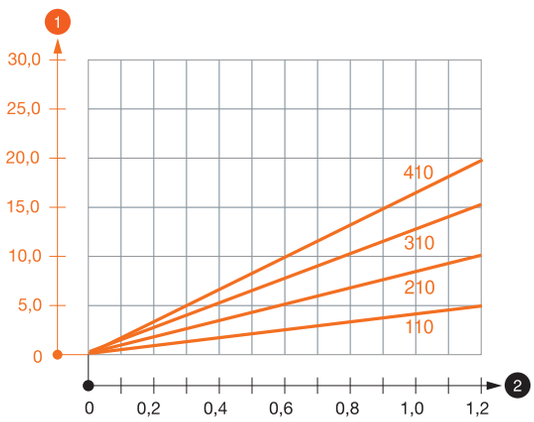
Type	Width	Dimension H	Dimension A	Hole Ø	F in kN		Pack.	Weight	Item No.
	mm	mm	mm	mm	kN		pcs	kg/100 pcs.	
MWAM 12 11 FS	110	53	32.5	11	1.2		30	14.300	**6424 55 0**
MWAM 12 21 FS	210	65	32.5	11	1.2		30	26.000	**6424 55 2**
MWAM 12 31 FS	310	75	38	11	1.2		30	51.900	**6424 55 4**
MWAM 12 41 FS	410	83	38	11	1.2		25	69.700	**6424 55 6**

St Steel FS Strip-galvanised /pc.

Light-duty wall and support bracket including quick connector.

Wall and support bracket MWAM.. including:
1. Two pre-mounted quick connectors for efficient cable tray fastening.
2. Truss-head bolt M10 x 25 for fastening on the U support.

Load diagram, bracket type MWAM 12



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket MWAM 12

Bracket load					
F F	Anchors	Max. total load F in kN			
	Appr.	Bracket length in mm			
	F kN	100	200	300	400
	2.4	0.73	0.61	0.49	0.44
	4.3	1.20	1.08	0.88	0.78

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Load values for MWAM 12 on support

Max. total load F in kN					
	Support	Bracket length in mm			
		100	200	300	400
	US 3 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 3 K/ 70 - 120	1.20	1.20	1.20	1.20
	US 5 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 5 K/ 70 - 120	1.20	1.20	1.20	1.20

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U support and bracket systems



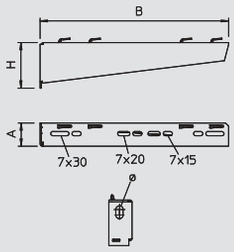
Wall and support bracket MWAG 12

Type	Width mm	Dimension H mm	Dimension A mm	Hole Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
MWAG 12 11 FS	110	53	32.5	11	1.2		30	12.700	**6424 60 0**
MWAG 12 21 FS	210	65	32.5	11	1.2		30	24.400	**6424 60 8**
MWAG 12 31 FS	310	75	38	11	1.2		30	50.300	**6424 61 6**
MWAG 12 41 FS	410	83	38	11	1.2		25	68.100	**6424 62 4**

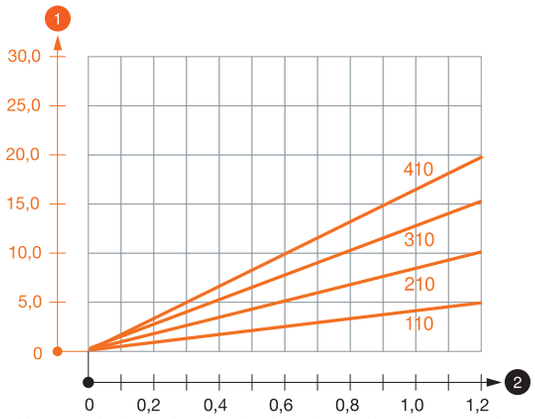
St Steel FS Strip-galvanised /pc.

Light-duty wall and support bracket for screwless mesh cable tray fastening.

Including truss-head bolt M10 x 25 for fastening to U supports.



Load diagram, bracket type MWAG 12



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket MWAG 12

Bracket load					
F F	Anchors	Max. total load F in kN			
	Appr.	Bracket length in mm			
	F kN	100	200	300	400
	2.4	0.73	0.61	0.49	0.44
	4.3	1.20	1.08	0.88	0.78

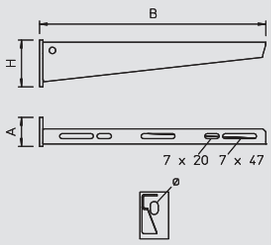
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Load values for MWAG 12 on suspended support

Max. total load F in kN					
	Support	Bracket length in mm			
		100	200	300	400
	US 3 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 3 K/ 70 - 120	1.20	1.20	1.20	1.20
	US 5 K/ 20 - 60	1.20	1.20	1.20	1.20
	US 5 K/ 70 - 120	1.20	1.20	1.20	1.20

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wall and support bracket AW 15



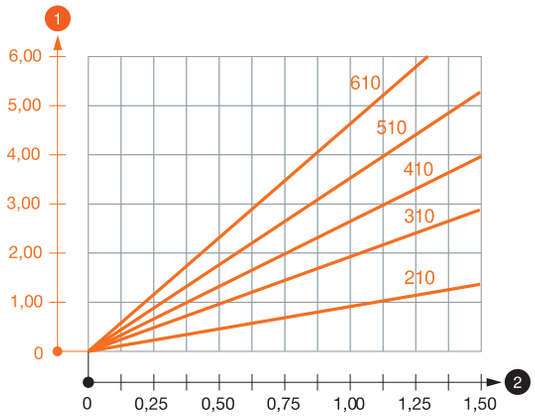
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW 15 11 FT	110	50	40	11	1.5	30	14.500	**6420 65 6**
AW 15 16 FT	160	55	40	11	1.5	30	21.000	**6420 66 4**
AW 15 21 FT	210	60	40	11	1.5	30	26.000	**6420 68 0**
AW 15 31 FT	310	65	40	11	1.5	30	32.500	**6420 71 0**
AW 15 41 FT	410	70	40	11	1.5	30	55.000	**6420 74 5**
AW 15 51 FT	510	75	40	11	1.5	20	72.000	**6420 78 8**
AW 15 56 FT	560	80	40	11	1.5	20	77.000	**6420 79 6**
AW 15 61 FT	610	80	40	11	1.5	20	85.000	**6420 82 6**

St Steel FT Hot-dip galvanised /pc.

Light-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket, type AW 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 15

Bracket load								
Anchors	Max. total load F in kN							
Appr.	Bracket length in mm							
F kN	100	150	200	300	400	500	600
2.4	0.73	0.65	0.61	0.49	0.44	0.41	0.38
4.3	1.31	1.16	1.08	0.88	0.78	0.73	0.66

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Load values for AW 15 on suspended support

Max. total load F in kN					
Support	Bracket length in mm				
	100	200	300	400
US 3 K/ 20 - 60	1.50	1.50	1.30	1.30
US 3 K/ 70 - 120	1.50	1.50	1.30	1.30
US 5 K/ 20 - 60	1.50	1.50	1.50	1.50
US 5 K/ 70 - 120	1.50	1.50	1.40	1.50

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

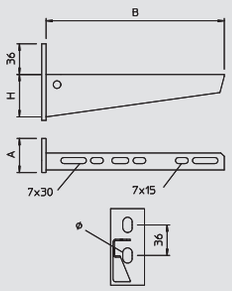
U support and bracket systems



Wall and support bracket AW 15

Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW 15 11 FT 2L	110	44	40	11	1.5		30	17.000	**6420 90 9**
AW 15 16 FT 2L	160	54	40	11	1.5		30	20.000	**6420 91 2**
AW 15 21 FT 2L	210	54	40	11	1.5		30	29.000	**6420 91 5**
AW 15 31 FT 2L	310	64	40	11	1.5		30	42.000	**6420 91 8**
AW 15 41 FT 2L	410	64	40	11	1.5		30	58.000	**6420 92 1**
AW 15 51 FT 2L	510	72	40	11	1.5		20	72.000	**6420 92 4**
AW 15 61 FT 2L	610	77	40	11	1.5		18	91.000	**6420 92 7**

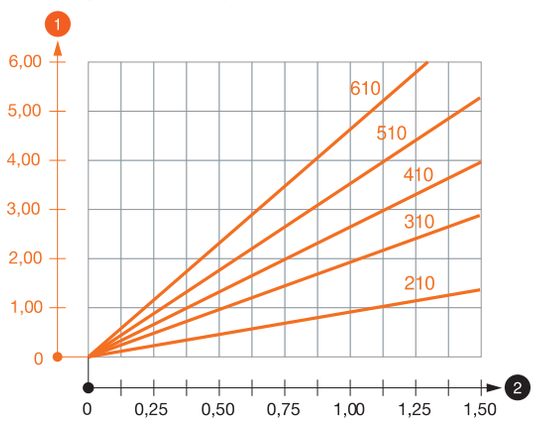
St Steel FT Hot-dip galvanised /pc.



Wall and support bracket with welded head plate and two fastening holes.

The double-perforated bracket offers the special option of double anchoring on lightweight partitions and light masonry.

Load diagram, bracket, type AW 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

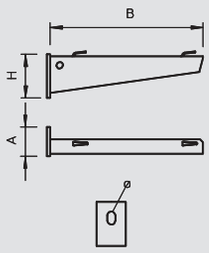
Characteristic anchor load values for wall bracket AW 15

Bracket load								
F F	Anchors	Max. total load F in kN						
	Appr.	Bracket length in mm						
	F kN	100	150	200	300	400	500	600
	2.4	0.73	0.65	0.61	0.49	0.44	0.41	0.38
	4.3	1.31	1.16	1.08	0.88	0.78	0.73	0.66

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wall and support bracket AWG 15



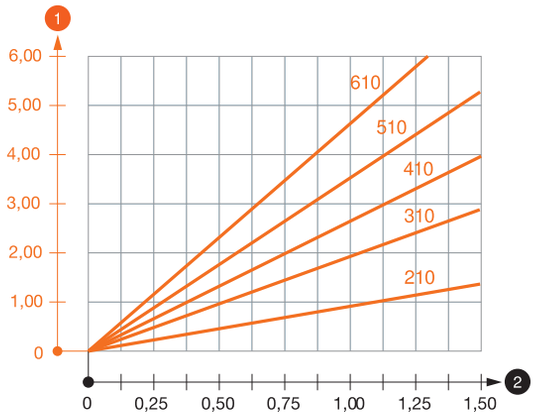
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW G 15 11 FT	110	50	40	11	1.5		30	14.000	**6420 60 6**
AW G 15 16 FT	160	55	40	11	1.5		30	20.000	**6420 60 7**
AW G 15 21 FT	210	60	40	11	1.5		30	26.000	**6420 60 8**
AW G 15 31 FT	310	65	40	11	1.5		30	35.000	**6420 61 0**
AW G 15 41 FT	410	70	40	11	1.5		30	56.000	**6420 61 2**
AW G 15 51 FT	510	75	40	11	1.5		20	69.000	**6420 61 4**
AW G 15 61 FT	610	80	40	11	1.5		20	84.000	**6420 61 6**

St Steel FT Hot-dip galvanised /pc.

Light-duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket type AW G 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW G 15

Bracket load								
F F	Anchors	Max. total load F in kN						
	Appr.	Bracket length in mm						
	F kN	100	150	200	300	400	500	600
	2.4	0.73	0.65	0.61	0.49	0.44	0.41	0.38
	4.3	1.31	1.16	1.08	0.88	0.78	0.73	0.66

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Load values for AWG 15 on support

Max. total load F in kN					
	Support	Bracket length in mm			
		100	200	300	400
	US 3 K/ 20 - 60	1.50	1.50	1.30	1.30
	US 3 K/ 70 - 120	1.50	1.50	1.30	1.30
	US 5 K/ 20 - 60	1.50	1.50	1.50	1.50
	US 5 K/ 70 - 120	1.50	1.50	1.40	1.50

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

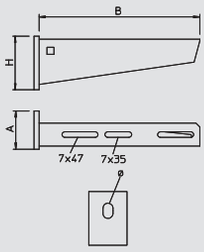
Always indicate the item number when ordering.



Wall and support bracket AW 30

Type	Width	Dimension H	Dimension A	Hole Ø	F in kN		Pack.	Weight	Item No.
	mm	mm	mm	mm	kN		pcs	kg/100 pcs.	
AW 30 11 FT	110	60	50	11	3		1	22.000	**6419 70 4**
AW 30 16 FT	160	65	50	11	3		1	34.000	**6419 71 2**
AW 30 21 FT	210	70	50	13	3		1	42.000	**6419 72 0**
AW 30 31 FT	310	80	50	13	3		1	63.000	**6419 74 7**
AW 30 41 FT	410	80	50	13	3		1	89.000	**6419 76 3**
AW 30 51 FT	510	90	50	13	3		1	132.500	**6419 79 8**
AW 30 56 FT	560	100	50	13	3		1	185.000	**6419 84 4**
AW 30 61 FT	610	100	50	13	3		1	158.000	**6419 82 8**
AW 30 71 FT	710	100	50	13	3		1	214.000	**6419 83 6**

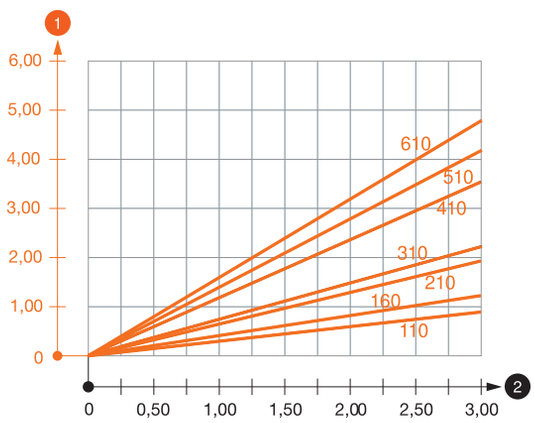
St Steel FT Hot-dip galvanised /pc.



Medium-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket, type AW 30



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 30

Bracket load								
F F	Anchors	Max. total load F in kN						
	Appr.	Bracket length in mm						
	F kN	100	150	200	300	400	500	600
	4.3	2.00	1.49	1.35	1.19	0.92	0.89	0.89
	7.6	3.00	2.65	2.39	2.11	1.61	1.58	1.58

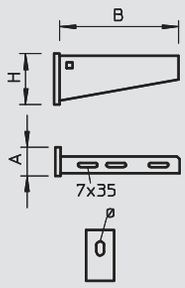
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Load values for AW 30 on suspended support

Max. total load F in kN					
	Support	Bracket length in mm			
		100	200	300	400
	US 3 K/ 20 - 60	2.10	1.80	1.30	1.30
	US 3 K/ 70 - 120	1.80	1.50	1.30	1.30
	US 5 K/ 20 - 60	2.40	2.00	1.80	2.50
	US 5 K/ 70 - 120	2.40	2.00	1.40	2.50

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wall and support bracket AW 55



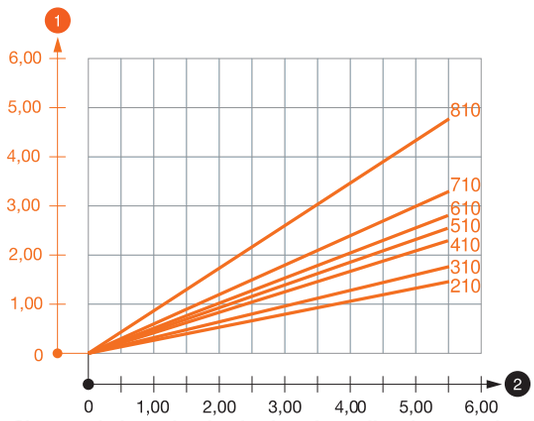
Type	Width	Dimension H	Dimension A	Hole-Ø	F in kN		Pack.	Weight	Item No.
	mm	mm	mm	mm	kN		pcs	kg/100 pcs.	
AW 55 21 FT	210	90	50	13.5	5.5		1	77.000	**6418 55 4**
AW 55 31 FT	310	110	50	13.5	5.5		1	123.000	**6418 57 0**
AW 55 41 FT	410	130	50	13.5	5.5		1	167.000	**6418 59 7**
AW 55 51 FT	510	145	60	13.5	5.5		1	249.000	**6418 61 9**
AW 55 56 FT	560	165	60	13.5	5.5		1	282.000	**6418 62 7**
AW 55 61 FT	610	165	60	13.5	5.5		1	305.000	**6418 63 5**
AW 55 71 FT	710	195	60	13.5	5.5		1	418.000	**6418 65 1**
AW 55 81 FT	810	195	60	13.5	5.5		1	477.000	**6418 68 6**
AW 55 91 FT	910	215	60	13.5	5.5		1	558.000	**6418 70 8**
AW 55 101 FT	1,010	230	60	13.5	5.5		1	640.000	**6418 72 4**

St Steel FT Hot-dip galvanised /pc.

Heavy-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket, type AW 55



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 55

Bracket load								
F F	Anchors	Max. total load F in kN						
	Appr.	Bracket length in mm						
	F kN	200	300	400	500	600	700	800
	4.3	1.77	1.76	1.73	1.66	1.66	1.54	1.25
	7.6	3.15	3.10	3.08	2.94	2.94	2.73	2.22
	9.91	4.10	4.06	4.02	3.83	3.83	3.56	2.88

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

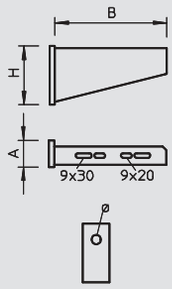
U support and bracket systems



Wall bracket AW 80

Type	Width mm	Dimension H mm	Dimension A mm	Hole Ø mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW 80 21 FT	210	110	50	17.5	8	1	104.000	**6417 75 2**
AW 80 31 FT	310	145	50	17.5	8	1	164.000	**6417 77 9**
AW 80 41 FT	410	165	50	17.5	8	1	219.000	**6417 79 5**
AW 80 51 FT	510	195	60	17.5	8	1	364.000	**6417 81 7**
AW 80 61 FT	610	210	60	17.5	8	1	444.000	**6417 83 3**
AW 80 71 FT	710	235	60	17.5	8	1	497.000	**6417 86 8**
AW 80 81 FT	810	260	60	17.5	8	1	637.000	**6417 88 4**

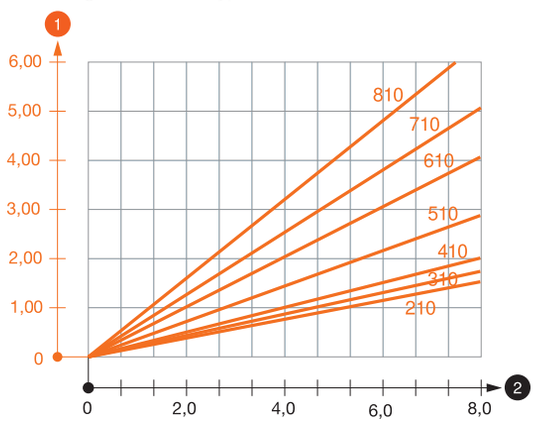
St Steel FT Hot-dip galvanised /pc.



Heavy-duty wall bracket with welded head plate.

When fastening cable trays and ladders with truss-head bolts of size M6, please order large washers separately (perforation in bracket 9 x ...).

Load diagram, bracket type AW 80



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
Load curve with bracket lengths in mm

Characteristic anchor load values for wall bracket AW 80

Bracket load								
F F	Anchors	Max. total load F in kN						
	Appr.	Bracket length in mm						
	F kN	200	300	400	500	600	700	800
	7.6	4.43	4.69	4.32	4.36	4.01	3.42	3.20
	9.91	5.78	6.12	5.63	5.69	5.23	4.46	4.18

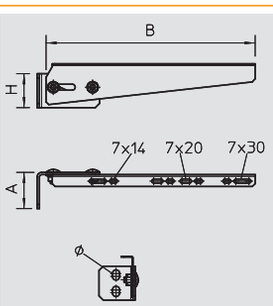
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



Wall bracket, variable AWVL

Type	Width mm	Dimension H mm	Dimension A mm	Hole Ø mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AWVL 11 FS	170	60	64	13	0.75	5	51.200	**6419 46 4**
AWVL 16 FS	220	60	64	13	0.65	5	55.200	**6419 46 8**
AWVL 21 FS	270	60	64	13	0.55	5	59.100	**6419 47 2**
AWVL 31 FS	370	60	64	13	0.4	5	67.200	**6419 47 6**
AWVL 41 FS	470	60	64	13	0.25	5	75.300	**6419 48 0**
AWVL 11 FT	170	60	64	13	0.75	5	51.900	**6419 50 1**
AWVL 16 FT	220	60	64	13	0.65	5	56.200	**6419 50 5**
AWVL 21 FT	270	60	64	13	0.55	5	60.300	**6419 50 9**
AWVL 31 FT	370	60	64	13	0.4	5	68.900	**6419 51 3**
AWVL 41 FT	470	60	64	13	0.25	5	77.500	**6419 51 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.



Variable wall bracket for fixing to sloping or vaulted walls.

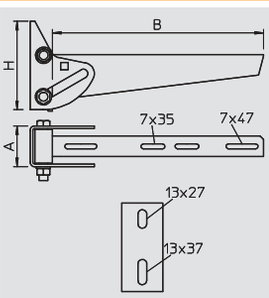
Usable bracket length dependent on adjustment angle. The largest possible adjustment angle is 60°.



Wall bracket, variable AWV FT

Type	Width mm	Dimension H mm	Dimension A mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AWV 21 FT	210	130	60	0.9	5	129.000	**6419 53 4**
AWV 31 FT	310	130	60	0.9	5	149.000	**6419 55 0**
AWV 41 FT	410	130	60	0.9	5	171.000	**6419 57 7**
AWV 51 FT	510	130	60	0.9	5	235.000	**6419 59 3**
AWV 61 FT	610	130	60	0.9	5	240.000	**6419 61 5**

St Steel FT Hot-dip galvanised /pc.

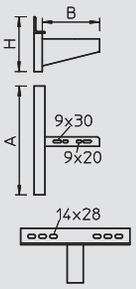


Variable wall bracket for fixing to sloping or vaulted walls.

Usable bracket length dependent on adjustment angle. The largest possible adjustment angle is 60°.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wall and clamping bracket AWSS



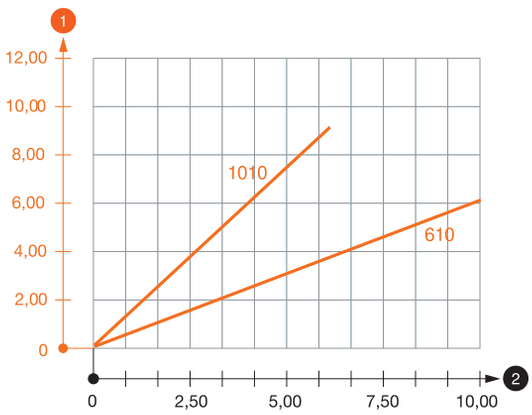
Type	Width mm	Dimension H mm	Dimension A mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AWSS 21 FT	210	335	400	10		1	323.000	**6417 90 6**
AWSS 31 FT	310	335	400	10		1	553.000	**6417 91 0**
AWSS 41 FT	410	335	400	10		1	598.000	**6417 91 4**
AWSS 51 FT	510	335	400	10		1	693.000	**6417 91 8**
AWSS 61 FT	610	335	400	10		1	763.000	**6417 92 2**
AWSS 71 FT	710	335	400	8		1	840.000	**6417 92 6**
AWSS 81 FT	810	341	400	7		1	923.000	**6417 93 0**
AWSS 91 FT	910	366	400	6.5		1	1,020.000	**6417 93 4**
AWSS 101 FT	1,010	359	400	6		1	1,134.000	**6417 93 8**

St Steel FT Hot-dip galvanised /pc.

Wall bracket, heavy-duty.

The heavy-duty wall bracket can be used in combination with wide span systems, or for large support spacings of cable tray or cable ladder systems.

Load diagram, bracket type AWSS

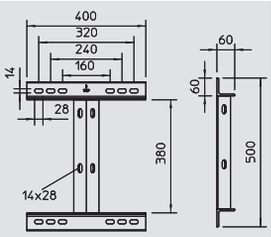


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
Load curve with bracket lengths in mm

Characteristic anchor load values for wall and clamping bracket AWSS

Bracket load						
F F	Anchors	Max. total load F in kN				
	Appr.	Bracket width in mm				
	F kN	200–600	700	800	900	1,000
	7.6	10.00	8.00	7.00	6.50	6.00
	9.91	10.00	8.00	8.00	6.50	6.00

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. Observe the load capacity of the brackets (diagram) and the installation conditions of the DIBt approval (anchors).
The testing of the widths 710–1010 mm took place at the maximum route width (600 mm) with the load at the end of the bracket.



Adapter plate



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-E 45 FT	400		1	618.000	**6346 75 8**

St Steel FT Hot-dip galvanised /pc.

Adapter plate with slots for universal fastening to vertical steel girders and walls. Wall and support brackets are screwed to the adapter plate at a 45° angle.

To support cable support systems in building corners and jumps. The hexagonal bolts, type SKS 12 x 40 GF, are used to fasten the brackets to the adapter plate. Please order the appropriate quantity.

Characteristic anchor load values for adapter plate

Adapter plate, bracket load				
F F	Anchors	Max. total load F in kN		
	Appr.	KA-E 45 with bracket:		
	F kN	AW 30	AW 55	AW 80
	7.6	3.00	5.50	8.00

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. Observe the load capacity of the brackets (diagram) and the installation conditions of the DIBt approval (anchors). Mounting information:
When using this component, please order a bracket which is 500 mm longer than the width of the tray/ladder.

U support and bracket systems

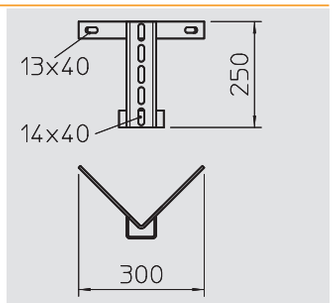


Corner seat

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-EA FT		2	201.000	**6346 76 3**

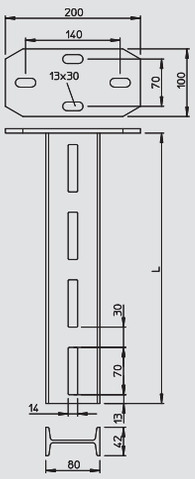
St Steel FT Hot-dip galvanised /pc.

Corner seat with welded U profile for fastening to 90° external corners. Wall and support brackets are screwed to the U profile.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



IS 8 support



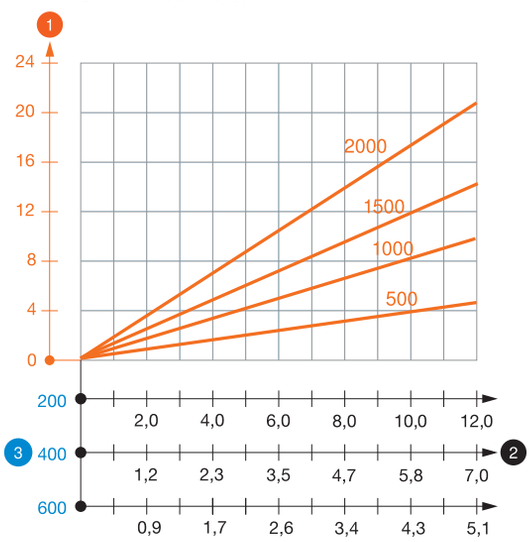
Type	Length mm	Tensile load kN	Bracket length 200 kN	Bracket length 400 kN	Bracket length 600 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
IS 8 K 20 FT	200	12	9.6	7	5	2	209.000	**6361 02 1**
IS 8 K 30 FT	300	12	9.6	7	5	5	265.000	**6361 05 6**
IS 8 K 40 FT	400	12	9.6	7	5	1	325.000	**6361 07 2**
IS 8 K 50 FT	500	12	9.6	7	5	1	383.000	**6361 09 9**
IS 8 K 60 FT	600	12	9.6	7	5	1	441.000	**6361 11 0**
IS 8 K 70 FT	700	12	9.6	7	5	1	499.000	**6361 13 7**
IS 8 K 80 FT	800	12	9.6	7	5	1	557.000	**6361 15 3**
IS 8 K 90 FT	900	12	9.6	7	5	1	615.000	**6361 18 8**
IS 8 K 100 FT	1,000	12	9.6	7	5	1	673.000	**6361 21 8**
IS 8 K 110 FT	1,100	12	9.6	7	5	1	731.000	**6361 23 4**
IS 8 K 120 FT	1,200	12	9.6	7	5	1	789.000	**6361 25 0**
IS 8 K 130 FT	1,300	12	9.6	7	5	1	847.000	**6361 27 7**
IS 8 K 140 FT	1,400	12	9.6	7	5	1	905.000	**6361 29 3**
IS 8 K 150 FT	1,500	12	9.6	7	5	1	963.000	**6361 31 5**
IS 8 K 160 FT	1,600	12	9.6	7	5	1	1,021.000	**6361 33 1**
IS 8 K 170 FT	1,700	12	9.6	7	5	1	1,079.000	**6361 36 6**
IS 8 K 180 FT	1,800	12	9.6	7	5	1	1,137.000	**6361 38 2**
IS 8 K 200 FT	2,000	12	9.6	7	5	1	1,253.000	**6361 42 0**

St Steel FT Hot-dip galvanised /pc.

I support with welded head plate. For fastening to horizontal concrete ceilings and steel girders.

Single and double-sided brackets of type AS 15, AS 30 and AS 55 can be fastened to the IS 8 K suspended support. The height of the brackets is infinitely adjustable.

Load diagram, I support, type IS 8 K



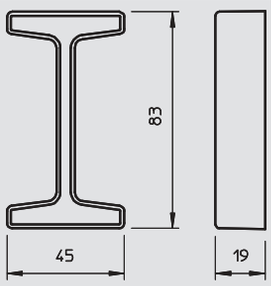
1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for IS 8 K suspended support

Single-sided bracket load							
Anchors Perm.	Max. total load F in kN Bracket length in mm						
F kN	100	200	300	400	500	600
4.3	3.45	2.75	2.32	1.95	1.72	1.52
7.6	6.18	4.73	3.98	3.39	3.00	2.64
9.91	8.20	6.45	5.35	4.55	3.95	3.55

Double-sided bracket load							
Anchors Perm.	Max. total load F in kN Bracket length in mm						
F kN	100	200	300	400	500	600
4.3	6.35	5.45	4.85	4.35	3.85	3.45
7.6	10.00	9.55	8.81	7.90	7.26	6.76
9.91	10.00	10.00	10.00	10.00	9.45	8.85

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 14 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).



End cap



Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
IS 8 KS OR	Pastel orange		20	0.800	**6338 51 9**

PE Polyethylene /pc.

End cap to cover the ends of IS 8 supports.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

I support systems



IS 8 support

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
IS 8 30 FT	300		1	171.000	**6337 03 1**
IS 8 40 FT	400		1	229.000	**6337 05 8**
IS 8 50 FT	500		1	286.000	**6337 06 6**
IS 8 60 FT	600		1	344.000	**6337 07 4**
IS 8 70 FT	700		1	402.000	**6337 08 2**
IS 8 80 FT	800		1	459.000	**6337 09 0**
IS 8 90 FT	900		1	517.000	**6337 10 4**
IS 8 100 FT	1,000		1	575.000	**6337 11 2**
IS 8 110 FT	1,100		1	632.000	**6337 12 0**
IS 8 120 FT	1,200		1	690.000	**6337 13 9**
IS 8 130 FT	1,300		1	748.000	**6337 14 7**
IS 8 140 FT	1,400		1	806.000	**6337 15 5**
IS 8 150 FT	1,500		1	863.000	**6337 16 3**
IS 8 160 FT	1,600		1	921.000	**6337 17 1**
IS 8 170 FT	1,700		1	979.000	**6337 19 8**
IS 8 180 FT	1,800		1	1,036.000	**6337 20 1**
IS 8 190 FT	1,900		1	1,094.000	**6337 22 8**
IS 8 200 FT	2,000		1	1,152.000	**6337 23 6**
IS 8 300 FT	3,000		1	1,730.000	**6337 24 4**
IS 8 600 FT	6,000		1	3,460.000	**6337 25 2**

St Steel FT Hot-dip galvanised /pc.

I support in fixed lengths. Dimensions 80 x 42 mm.

Single and double-sided brackets of type AS 15, AS 30 and AS 55 can be fastened to the IS 8 I support. The height of the brackets is infinitely adjustable.

Characteristic anchor load values for IS 8 support

Wall fastening / entire length



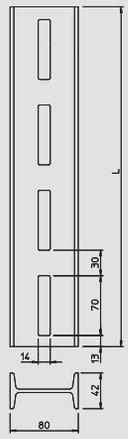
Anchors	Max. total load F in kN					
Perm.	Bracket length in mm					
F kN	100	200	300	400	500	600
4.3	7.80	6.78	5.95	5.17	4.64	4.14
7.6	11.35	8.25	7.63	7.11	6.47	5.38

Side fastening on girder



Anchors	Max. total load F in kN					
Perm.	Bracket length in mm					
F kN	100	200	300	400	500	600
4.3	9.73	8.22	7.02	6.14	5.47	4.92
7.6	12.53	10.98	8.52	7.65	6.78	6.13

Max. total load F = cable weight + cable tray + bracket + support. The load capacity values increase considerably when used in uncracked concrete. Observe the load capacity of the brackets (diagram) and the installation conditions of the DIBt approval (anchors).





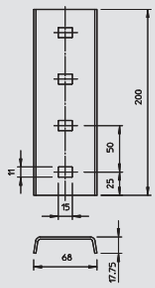
I support connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VIS 8 FT		5	87.000	**6018 30 0**

St Steel FT Hot-dip galvanised /pc.

I support connector to connect IS 8 supports.

Including appropriate fastening material.





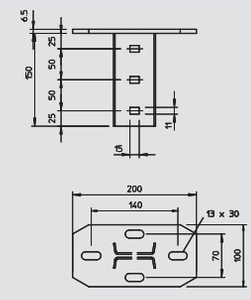
Head plate, lengthwise

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 FT		1	155.000	**6347 05 3**

St Steel FT Hot-dip galvanised /pc.

Head plate for mounting on IS 8 support. The cable trays and ladders run in a straight direction.

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.





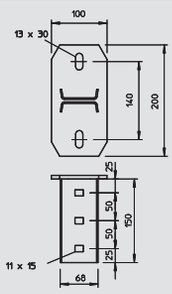
Head plate, crosswise

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 NOK FT		1	163.000	**6347 06 1**

St Steel FT Hot-dip galvanised /pc.

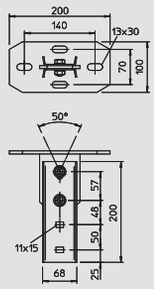
Head plate for installation in IS 8 support. The cable trays and ladders run in a transverse direction.

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



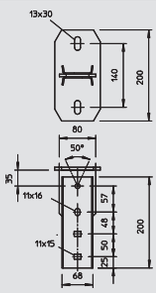
Head plate, variable

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 VQP FT		1	219.000	6348 10 6

St Steel FT Hot-dip galvanised /pc.

Variable head plate, adjustable in straight direction, for installation on IS 8 support.
Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.





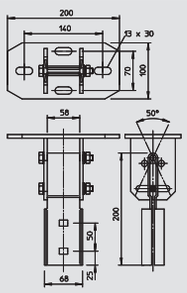
Head plate, variable

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 VLK FT		1	227.000	6348 15 7

St Steel FT Hot-dip galvanised /pc.

Variable head plate, adjustable in longitudinal direction, for installation on IS 8 support.
Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.





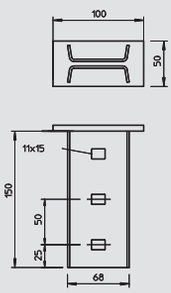
Head plate, variable

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 VLP FT		1	263.000	6347 84 3

St Steel FT Hot-dip galvanised /pc.

Variable head plate, adjustable in transverse direction, for installation on IS 8 support.
Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.





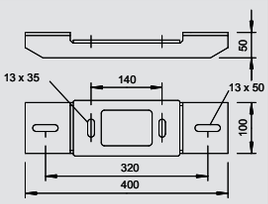
Head plate for welding

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KI 8 AOX FT		1	90.000	6347 08 8

St Steel FT Hot-dip galvanised /pc.

Head plate for welded mounting on IS 8 support.
Including appropriate fixing material.
Limit the length of the support to max. 2,000 mm.





Adapter head plate, symmetrical

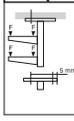
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-SY FT		1	280.000	6346 80 4

St Steel FT Hot-dip galvanised /pc.

Adapter head plate, symmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.

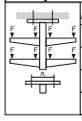
The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

Adapter head plate, symmetrical, single-sided



Anchors Appr.	Max. total load F in kN, Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	5.56	4.98	4.58	4.13	3.81	3.54
9.91	7.44	6.66	6.05	5.54	5.10	4.73

Adapter head plate, symmetrical, double-sided



Anchors Appr.	Max. total load F in kN, Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	10.00	10.00	9.16	8.26	7.62	7.08
9.91	10.00	10.00	10.00	10.00	10.00	9.46

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 32 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

I support systems



Adapter head plate, asymmetrical

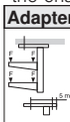
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-ASY FT		1	280.000	**6346 82 0**

St Steel FT Hot-dip galvanised /pc.

Adapter head plate, asymmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.

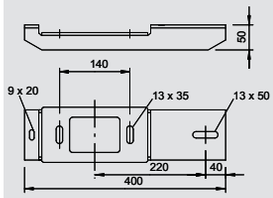
The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

Adapter head plate, asymmetrical, single-sided



Anchors	Max. total load F in kN					
Appr.	Bracket length in mm					
F kN	100	200	300	400	500	600
7.6	4.49	4.13	3.81	3.54	2.74	2.56
9.91	6.02	5.52	5.10	4.73	4.63	3.46

Max. total load F = cable weight + cable tray + bracket + support.
The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).





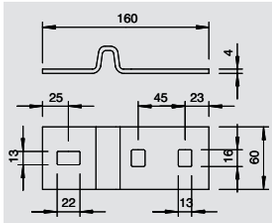
Support strap

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
AHIS 8 FT		10	89.000	**6019 06 4**

St Steel FT Hot-dip galvanised /pc.

Support strap for right-angled connection of I supports.

Including appropriate fastening material.





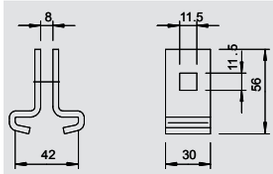
Support claw

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TGK 30 42 FT		10	17.000	**6018 96 3**

St Steel FT Hot-dip galvanised /pc.

Support claw with truss-head bolt, type FRS M10 x 25 for mounting on the IS 8 support.

The support claw can also be used in conjunction with the heavy-duty ladder, type SLS 80.





Mounting angle

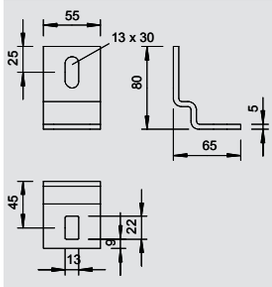
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 80 55 FT		10	26.400	**6019 52 8**

St Steel FT Hot-dip galvanised /pc.

Mounting angle for mounting IS 8 supports on the wall.

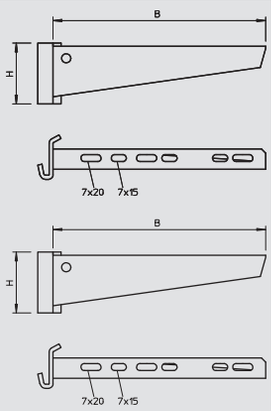
The mounting angle can also be used in conjunction with the heavy-duty vertical ladder, type SLS 80.

Including fastening bolt M12x30.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Support bracket AS 15

Type	Width mm	Dimension H mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AS 15 11 FT	110	50	1.5		30	21.500	**6421 32 6**
AS 15 16 FT	160	55	1.5		30	26.500	**6421 33 4**
AS 15 21 FT	210	60	1.5		25	32.000	**6421 35 0**
AS 15 31 FT	310	65	1.5		25	42.000	**6421 38 5**
AS 15 41 FT	410	70	1.5		30	59.000	**6421 42 3**
AS 15 51 FT	510	75	1.5		10	73.000	**6421 46 6**
AS 15 61 FT	610	80	1.5		10	90.000	**6421 49 0**

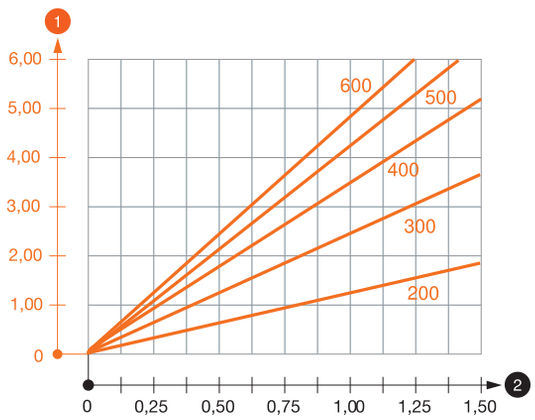
St Steel FT Hot-dip galvanised /pc.



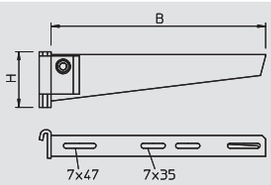
Light-duty support bracket for infinitely adjustable fastening on IS 8 support.

The support bracket can be fastened to both sides of the I support.
Tensioning hooks, including nuts and washer, can also be ordered individually under item number 6437184.

Load diagram, bracket type AS 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm



Support bracket AS 30

Type	Width mm	Dimension H mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AS 30 11 FT	110	60	3		30	30.000	**6418 75 9**
AS 30 16 FT	160	65	3		30	37.000	**6418 76 7**
AS 30 21 FT	210	70	3		25	44.000	**6418 77 5**
AS 30 31 FT	310	80	3		25	78.000	**6418 79 1**
AS 30 41 FT	410	80	3		20	100.000	**6418 81 3**
AS 30 51 FT	510	90	3		10	140.000	**6418 84 8**
AS 30 56 FT	560	100	3		10	155.000	**6418 85 6**
AS 30 61 FT	610	100	3		10	168.000	**6418 86 4**
AS 30 71 FT	710	100	3		1	214.000	**6418 87 2**

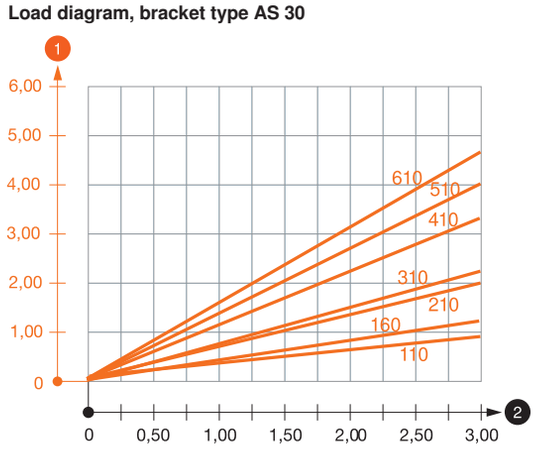
St Steel FT Hot-dip galvanised /pc.



Medium-duty support bracket for infinitely adjustable fastening on IS 8 support.

The support bracket can be fastened to both sides of the I support. The clamping lug, including nut and washer can also be ordered separate.
For width 110 to 210, please order them under item number 6418961.
For width 310 to 610, please order them under item number 6419003.

Load diagram, bracket type AS 30



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



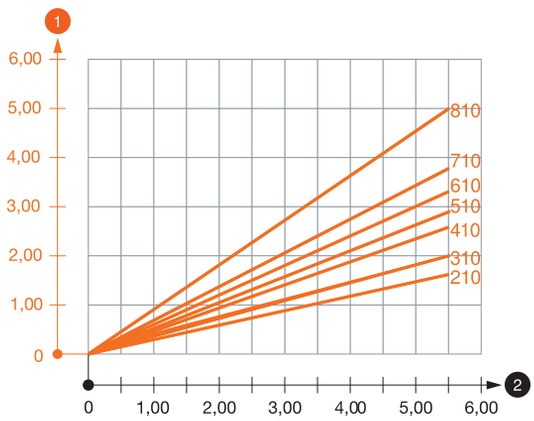
Support bracket AS 55

Type	Width mm	Dimension H mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AS 55 21 FT	210	90	5.5		1	81.000	**6419 04 6**
AS 55 31 FT	310	110	5.5		1	133.000	**6419 06 2**
AS 55 41 FT	410	130	5.5		1	173.000	**6419 08 9**
AS 55 51 FT	510	145	5.5		1	233.000	**6419 10 0**
AS 55 56 FT	560	165	5.5		1	260.000	**6419 11 9**
AS 55 61 FT	610	165	5.5		1	283.000	**6419 12 7**
AS 55 71 FT	710	195	5.5		1	385.000	**6419 14 3**
AS 55 81 FT	810	195	5.5		1	444.000	**6419 17 8**
AS 55 91 FT	910	195	5.5		1	517.000	**6419 19 4**
AS 55 101 FT	1,010	195	5.5		1	595.000	**6419 20 8**

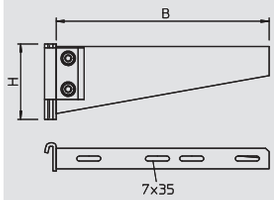
St Steel FT Hot-dip galvanised /pc.

Heavy-duty support bracket for infinitely adjustable fastening on IS 8 support.
The support bracket can be fastened to both sides of the I support.

Load diagram, bracket type AS 55

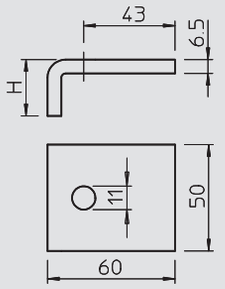


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



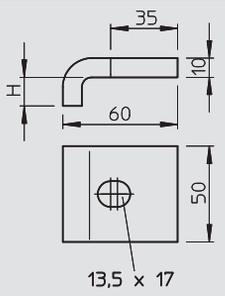
Clamping angle

Type	Height mm	Bolt		Pack. pcs	Weight kg/100 pcs.	Item No.
KL1 10 S FT	10	M10 x 40		10	22.500	**6354 10 6**
KL1 15 S FT	15	M10 x 50		10	24.000	**6354 11 4**
KL1 20 S FT	20	M10 x 50		10	25.000	**6354 12 2**

St Steel FT Hot-dip galvanised /pc.

Clamping angle, type KL1, to fasten light support structures to steel girder flanges.
Choose the clamping angle according to the thickness of the flange.





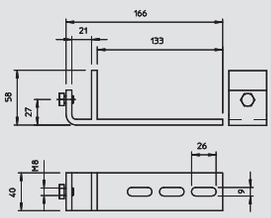
Clamping angle KWH

Type	Height mm	F in kN kN	Bolt		Pack. pair	Weight kg/100 pairs	Item No.
KWH 5 FT	5	5.7	M12 x 40		10	63.000	**6355 02 1**
KWH 10 FT	10	5.7	M12 x 50		10	68.000	**6355 04 8**
KWH 15 FT	15	5.7	M12 x 50		10	70.000	**6355 05 6**
KWH 20 FT	20	5.7	M12 x 60		10	76.000	**6355 06 4**
KWH 25 FT	25	5.7	M12 x 60		10	80.000	**6355 07 2**

St Steel FT Hot-dip galvanised /pair

Clamping angle, with hammer-head bolt, type KWH, for fixing in the mounting rail, type CPS 5.
Choose the clamping angle according to the thickness of the flange.
The clamping angle is used in conjunction with profile rails of slot width 22 mm (e.g. type CPS 5).





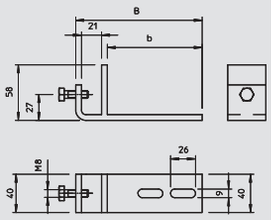
Beam clamp, vertical BFK 166

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 166 58 20 FT	166	133		20	45.000	**6003 88 8**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is vertical routing.





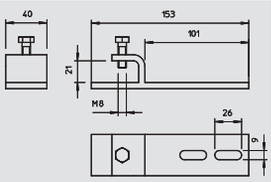
Beam clamp, vertical BFK 132

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 132 58 FT	132	99		25	39.000	**6003 88 0**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs vertically.





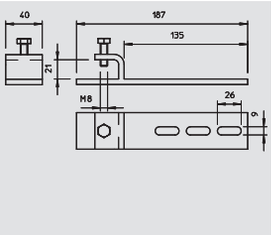
Beam clamp, horizontal BFK 153

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 153 33 FT	153	101		25	37.000	**6003 88 4**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.





Beam clamp, horizontal BFK 187

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 187 33 FT	187	135		20	43.000	**6003 89 2**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is horizontal routing.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Clamp fastening systems

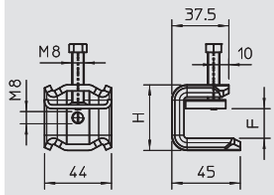


Beam clamp

Type	Flange thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 6-21 FT	6-21	50	17.700	**1486 25 0**

St Steel FT Hot-dip galvanised /100 pc.

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.



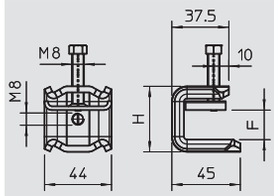


Beam clamp

Type	Flange thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 20-40 FT	20-40	50	20.500	**1486 27 0**

St Steel FT Hot-dip galvanised /100 pc.

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.





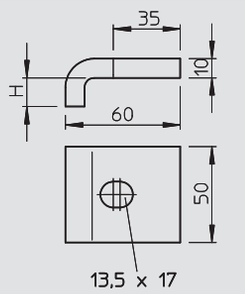
Clamping angle KWS

Type	Height mm	F in kN kN	Bolt		Pack. pair	Weight kg/100 pairs	Item No.
KWS 5 FT	5	5.7	M12 x 40		10	63.000	**6355 21 8**
KWS 10 FT	10	5.7	M12 x 50		10	68.000	**6355 22 6**
KWS 15 FT	15	5.7	M12 x 50		10	70.000	**6355 23 4**
KWS 20 FT	20	5.7	M12 x 60		10	76.000	**6355 24 2**
KWS 25 FT	25	5.7	M12 x 60		10	80.000	**6355 25 0**

St Steel FT Hot-dip galvanised /pair

Clamping angle, with hexagonal bolt, type KWS, for direct fixing of constructions to steel girder flanges.

Choose the clamping angle according to the thickness of the flange.





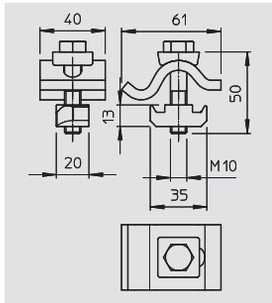
Chuck jaw, light-duty TKH

Type	Height mm	F in kN kN		Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10		10	46.000	**6355 81 2**

St Steel FT Hot-dip galvanised /pair

Light duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm. The chuck jaw is used in conjunction with profile rails of slot width 18 and 22 mm (type CPS 4; CPS 5; MS 22/41).





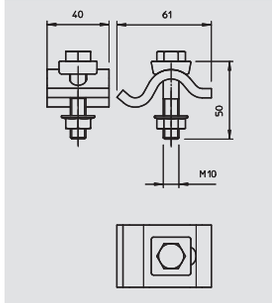
Chuck jaw, light-duty TKS

Type	Height mm	F in kN kN		Pack. pair	Weight kg/100 pairs	Item No.
TKS-L-25 FT	25	10		10	39.000	**6355 80 8**

St Steel FT Hot-dip galvanised /pair

Chuck jaw with hexagonal nut for direct fastening of structures to steel girders.

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm.





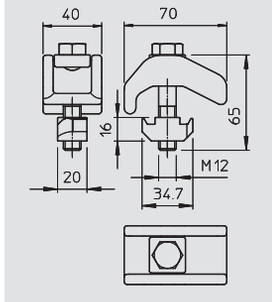
Chuck jaw, heavy-duty TKH

Type	Height mm	F in kN kN		Pack. pair	Weight kg/100 pairs	Item No.
TKH-S-30 FT	30	21		10	81.000	**6355 80 4**

St Steel FT Hot-dip galvanised /pair

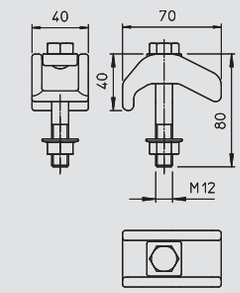
Heavy-duty chuck jaw with slide nut for fastening profile rails to steel girders.

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 30 mm. The chuck jaw is used in conjunction with profile rails of slot width 22 mm (e.g. type CPS 5).



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Chuck jaw, heavy-duty TKS

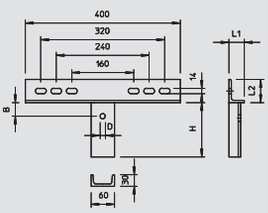


Type	Height mm	F in kN kN		Pack. pair	Weight kg/100 pairs	Item No.
TKS-S-30 FT	30	21		10	82.000	**6355 80 0**

St Steel FT Hot-dip galvanised /pair

Heavy-duty chuck jaw with hexagonal nut for direct fastening of structures to steel girders.

The clamping range of the chuck jaw is limited to the maximum fastening thickness, 30 mm.



Adapter plate



Type	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-AW 30 FT	140		1	262.000	**6346 71 5**
KA-AW 80 FT	270		1	424.000	**6346 73 1**

St Steel FT Hot-dip galvanised /pc.

Adapter plate with slots for universal fastening to vertical steel girders and walls.

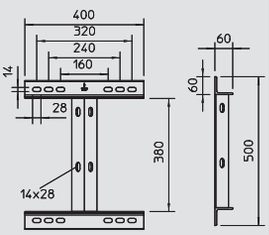
The bracket types AW 30, AW 55 ad AW 80 can be screwed to the adapter plate.
Please order the hexagonal bolt for bracket mounting (type SKS 12 x 40 GF) separately.

Characteristic anchor load values for adapter plate KA-AW

Adapter plate, bracket load		
Anchors	Max. total load F in kN	
Appr.	KA-AW 30 with bracket:	
F kN	AW 30/11 - AW 30/61	AW 55/21 - AW 55/41
7.6	3.00	5.50

Adapter plate, bracket load		
Anchors	Max. total load F in kN	
Appr.	KA-AW 80 with bracket:	
F kN	AW 55/51 - AW 55/101	AW 80/21 - AW 80/81
7.6	5.50	8.00

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. Observe the load capacity of the brackets (diagram) and the installation conditions of the DIBt approval (anchors).



Adapter plate



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KA-E 45 FT	400		1	618.000	**6346 75 8**

St Steel FT Hot-dip galvanised /pc.

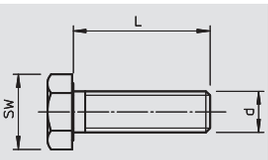
Adapter plate with slots for universal fastening to vertical steel girders and walls. Wall and support brackets are screwed to the adapter plate at a 45° angle.

To support cable support systems in building corners and jumps. The hexagonal bolts, type SKS 12 x 40 GF, are used to fasten the brackets to the adapter plate. Please order the appropriate quantity.

Characteristic anchor load values for adapter plate

Adapter plate, bracket load			
Anchors	Max. total load F in kN		
Appr.	KA-E 45 with bracket:		
F kN	AW 30	AW 55	AW 80
7.6	3.00	5.50	8.00

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. Observe the load capacity of the brackets (diagram) and the installation conditions of the DIBt approval (anchors). Mounting information: When using this component, please order a bracket which is 500 mm longer than the width of the tray/ladder.



Hexagonal bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X40 G F	M12 x 40	40	12	19		10	9.800	**3164 02 0**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt with hexagonal nut, large washer and washer.

For fastening wall and support brackets on adapter plates.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Construction and profile rail systems

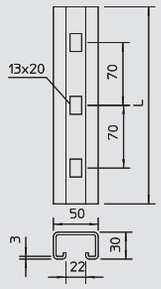


Profile rail, slot 22 mm

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
CPS 5 G 220 FT	Perforated	50 x 30	3	220		1	69.000	**6349 40 4**
CPS 5 G 260 FT	Perforated	50 x 30	3	260		1	81.500	**6349 41 2**
CPS 5 G 300 FT	Perforated	50 x 30	3	300		1	94.000	**6349 43 9**
CPS 5 G 340 FT	Perforated	50 x 30	3	340		1	107.000	**6349 44 7**
CPS 5 G 380 FT	Perforated	50 x 30	3	380		1	119.000	**6349 46 3**

St Steel FT Hot-dip galvanised /pc.

Heavy-duty profile rail. In fixed lengths, with rectangular perforation and a slot width of 22 mm.



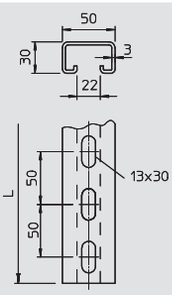


Profile rail, slot 22 mm

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
CPS 5 L 2M FT	Perforated	50 x 30	3	2,000		2	282.500	**1121 46 4**
CPS 5 L 6M FT	Perforated	50 x 30	3	6,000		6	282.500	**1121 47 2**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile rail with continuous perforation, slot width 22 mm.



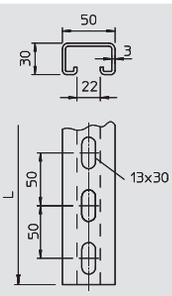


Profile rail, slot 22 mm

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
CPS 5 L 1M FT	Perforated	50 x 30	3	1,000		1	282.500	**1121 44 8**
CPS 5 L 2M FT	Perforated	50 x 30	3	2,000		2	282.500	**1121 46 4**
CPS 5 L 3M FT	Perforated	50 x 30	3	3,000		3	282.500	**1121 46 6**
CPS 5 L 6M FT	Perforated	50 x 30	3	6,000		6	282.500	**1121 47 2**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile rail with continuous perforation, slot width 22 mm.



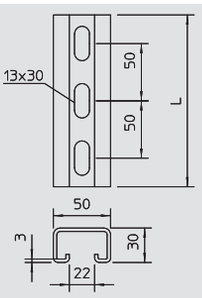


Profile rail, slot 22 mm

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
CPS 5 L 200 FT	Perforated	50 x 30	3	200		1	57.000	**1121 39 1**
CPS 5 L 300 FT	Perforated	50 x 30	3	300		1	85.000	**1121 24 3**
CPS 5 L 400 FT	Perforated	50 x 30	3	400		1	113.000	**1121 27 8**
CPS 5 L 500 FT	Perforated	50 x 30	3	500		1	141.000	**1121 40 5**
CPS 5 L 600 FT	Perforated	50 x 30	3	600		1	170.000	**1121 29 4**
CPS 5 L 700 FT	Perforated	50 x 30	3	700		1	198.000	**1121 33 2**
CPS 5 L 800 FT	Perforated	50 x 30	3	800		1	235.000	**1121 30 8**
CPS 5 L 900 FT	Perforated	50 x 30	3	900		1	255.000	**1121 33 6**
CPS 5 L 1.5M FT	Perforated	50 x 30	3	1,500		1	424.000	**1121 36 3**

St Steel FT Hot-dip galvanised /pc.

Heavy-duty profile rail with continuous perforation, slot width 22 mm.



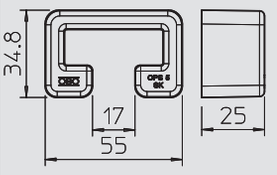


End cap

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
CPS 5 SK OR SP	Pastel orange		25	1.260	**1124 56 3**

PE Polyethylene /100 pc.

End cap for profile rail, types CPS 5 and CPS 5G.



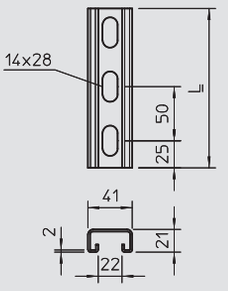


Mounting rail, MS 21

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 21 L 800 FS	Perforated	41x21	2	800		1	113.500	**1122 95 7**

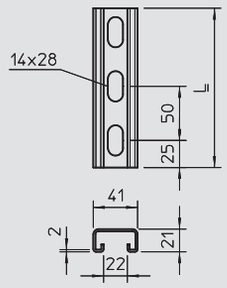
St Steel FS Strip-galvanised /100 pc.

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



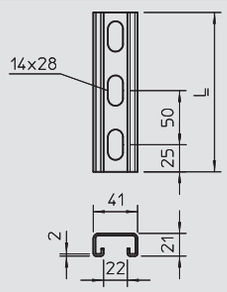
Mounting rail, MS 21

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 L 2M FS	Perforated	41x21	2	2,000		2	141.900	**1122 91 8**
MS 21 L 3M FS	Perforated	41x21	2	3,000		3	141.900	**1122 92 0**
MS 21 L 6M FS	Perforated	41x21	2	6,000		6	141.900	**1122 92 2**

St Steel FS Strip-galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.





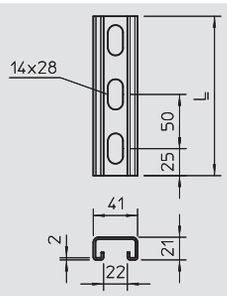
Mounting rail, MS 21

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 21 L 200 FT	Perforated	41x21	2	200		1	30.300	**1122 93 3**
MS 21 L 300 FT	Perforated	41x21	2	300		1	45.500	**1122 93 4**
MS 21 L 400 FT	Perforated	41x21	2	400		1	60.600	**1122 93 5**
MS 21 L 500 FT	Perforated	41x21	2	500		1	75.800	**1122 93 6**
MS 21 L 600 FT	Perforated	41x21	2	600		1	90.900	**1122 93 7**
MS 21 L 700 FT	Perforated	41x21	2	700		1	106.100	**1122 93 8**
MS 21 L 800 FT	Perforated	41x21	2	800		1	121.200	**1122 93 9**
MS 21 L 900 FT	Perforated	41x21	2	900		1	136.400	**1122 94 0**

St Steel FT Hot-dip galvanised /100 pc.

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.





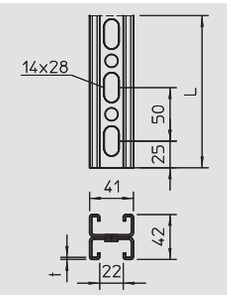
Mounting rail, MS 21

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 L 2M FT	Perforated	41x21	2	2,000		2	151.500	**1122 92 3**
MS 21 L 3M FT	Perforated	41x21	2	3,000		3	151.500	**1122 92 4**
MS 21 L 6M FT	Perforated	41x21	2	6,000		6	151.500	**1122 92 6**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile rail with continuous perforation in base, slot width 22 mm.





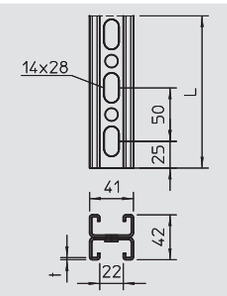
Mounting rail, MS 21, double version

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 D L 3M FS	Perforated	41x42	2	3,000		3	303.000	**1122 94 7**
MS 21 D L 6M FS	Perforated	41x42	2	6,000		6	303.000	**1122 94 8**

St Steel FS Strip-galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e. two profile rails are interconnected on the base (clinched).





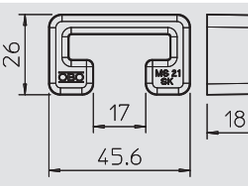
Mounting rail, MS 21, double version

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 D L 3M FT	Perforated	41x42	2	3,000		3	303.000	**1122 94 4**
MS 21 D L 6M FT	Perforated	41x42	2	6,000		6	303.000	**1122 94 5**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e. two profile rails are interconnected on the base (clinched).





Protective cap MS21

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 21 SK OR SP	Pastel orange		25	0.650	**1122 90 2**

PE Polyethylene /100 pc.

Protective caps for profile rail, types MS 21.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Construction and profile rail systems

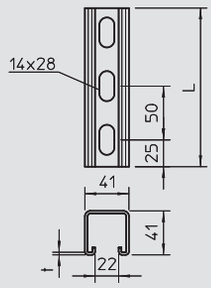
Mounting rail, MS41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 L 1M 2 FS	Perforated	41x41	2	1,000		1	201.100	**1122 97 0**
MS 41 L 3M 2 FS	Perforated	41x41	2	3,000		3	201.100	**1122 97 2**
MS 41 L 6M 2 FS	Perforated	41x41	2	6,000		6	201.100	**1122 97 4**

St Steel FS Strip-galvanised /100 m

Stable profile/mounting rail with continuous perforation in base, slot width 22 mm.



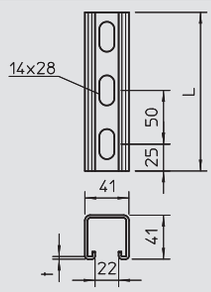
Mounting rail, MS41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 L 1M 2 FT	Perforated	41x41	2	1,000		1	214.700	**1122 96 2**
MS 41 L 3M 2 FT	Perforated	41x41	2	3,000		3	214.700	**1122 96 4**
MS 41 L 6M 2 FT	Perforated	41x41	2	6,000		6	214.700	**1122 96 6**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.



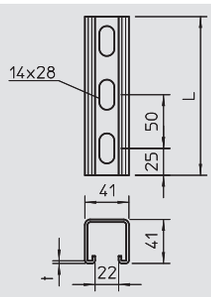
Mounting rail, MS41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 L 1M FS	Perforated	41x41	2.5	1,000		1	247.500	**1122 90 8**
MS 41 L 3M FS	Perforated	41x41	2.5	3,000		3	247.500	**1122 91 0**
MS 41 L 6M FS	Perforated	41x41	2.5	6,000		6	247.500	**1122 91 2**

St Steel FS Strip-galvanised /100 m

Heavyweight profile/mounting rail with continuous perforation in base, slot width 22 mm.



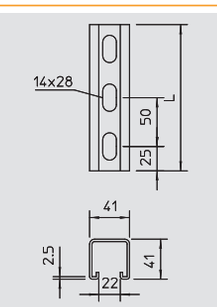
Mounting rail, MS 41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 41 L 200 FT	Perforated	41x41	2.5	200		1	52.400	**1122 50 9**
MS 41 L 300 FT	Perforated	41x41	2.5	300		1	78.500	**1122 51 7**
MS 41 L 400 FT	Perforated	41x41	2.5	400		1	104.700	**1122 52 5**
MS 41 L 500 FT	Perforated	41x41	2.5	500		1	130.800	**1122 53 3**
MS 41 L 600 FT	Perforated	41x41	2.5	600		1	156.900	**1122 54 1**
MS 41 L 700 FT	Perforated	41x41	2.5	700		1	183.000	**1122 56 8**
MS 41 L 800 FT	Perforated	41x41	2.5	800		1	209.200	**1122 57 6**
MS 41 L 900 FT	Perforated	41x41	2.5	900		1	235.300	**1122 58 4**

St Steel FT Hot-dip galvanised /100 pc.

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.



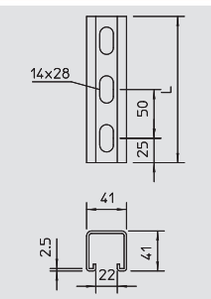
Mounting rail, MS41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 L 1M FT	Perforated	41x41	2.5	1,000		1	261.400	**1122 60 6**
MS 41 L 3M FT	Perforated	41x41	2.5	3,000		3	261.400	**1122 62 2**
MS 41 L 6M FT	Perforated	41x41	2.5	6,000		6	261.400	**1122 65 7**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.



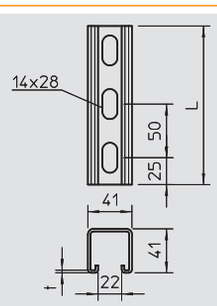
Mounting rail, MS41



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 LS 1M 2 FS	Perforated	41x41	2	1,000		1	179.400	**1123 00 8**
MS 41 LS 3M 2 FS	Perforated	41x41	2	3,000		3	179.400	**1123 01 0**
MS 41 LS 6M 2 FS	Perforated	41x41	2	6,000		6	179.400	**1123 01 2**

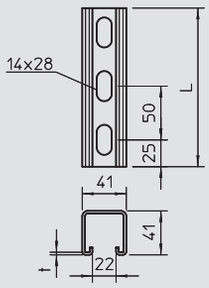
St Steel FS Strip-galvanised /100 m

Stable profile/mounting rail with continuous, three-sided perforation, slot width 22 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



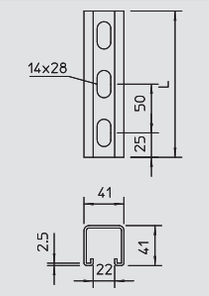
Mounting rail, MS41

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 LS 1M 2 FT	Perforated	41x41	2	1,000		1	191.500	**1123 00 1**
MS 41 LS 3M 2 FT	Perforated	41x41	2	3,000		3	191.500	**1123 00 3**
MS 41 LS 6M 2 FT	Perforated	41x41	2	6,000		6	191.500	**1123 00 5**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous, three-sided perforation, slot width 22 mm.





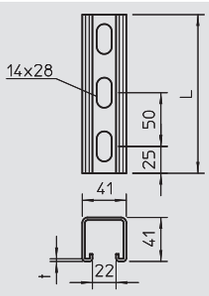
Mounting rail, MS41

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 LS 1M FS	Perforated	41x41	2.5	1,000		1	225.500	**1122 48 1**
MS 41 LS 3M FS	Perforated	41x41	2.5	3,000		3	225.500	**1122 91 4**
MS 41 LS 6M FS	Perforated	41x41	2.5	6,000		6	225.500	**1122 91 6**

St Steel FS Strip-galvanised /100 m

Heavyweight profile/mounting rail with continuous, three-sided perforation, slot width 22 mm.





Mounting rail, MS41

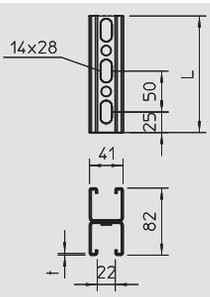
Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 LS 1M FT	Perforated	41x41	2.5	1,000		1	238.300	**1122 47 9**
MS 41 LS 3M FT	Perforated	41x41	2.5	3,000		3	238.300	**1122 48 3**
MS 41 LS 6M FT	Perforated	41x41	2.5	6,000		6	238.300	**1122 48 7**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous, three-sided perforation, slot width 22 mm.

Additional versions and appropriate accessories for the MS 41 system are listed in the new VBS catalogue.





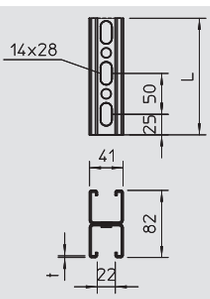
Mounting rail, MS 41, double version

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41D L 3M 2 FS	Perforated	41x82	2	3,000		3	402.200	**1122 67 6**
MS 41D L 6M 2 FS	Perforated	41x82	2	6,000		6	402.200	**1122 67 8**

St Steel FS Strip-galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e. two profile rails are interconnected on the base (clinched).





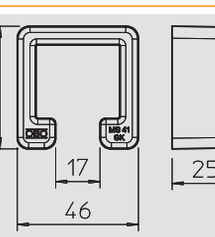
Mounting rail, MS 41, double version

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41D L 3M 2 FT	Perforated	41x82	2	3,000		3	402.200	**1122 67 1**
MS 41D L 6M 2 FT	Perforated	41x82	2	6,000		6	402.200	**1122 67 3**

St Steel FT Hot-dip galvanised /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e. two profile rails are interconnected on the base (clinched).





Protective cap MS41

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 41 SK OR SP	Pastel orange		25	1.320	**1122 90 0**

PE Polyethylene /100 pc.

Protective caps for profile rail, types MS 41.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Construction and profile rail systems

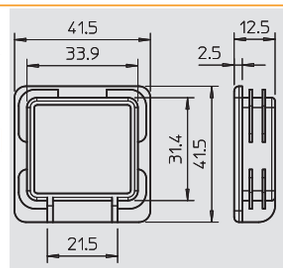


End cap MS 41

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 41 EDK OR	Pastel orange		50	0.645	**1122 90 6**

PE Polyethylene /100 pc.

End cap for profile rail, type MS 41.



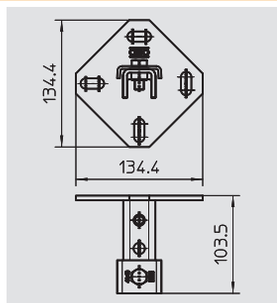


Head plate

Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WBDHE 41 G	Perforated	134x110	5	102		10	73.000	**1123 19 3**
WBDHE 41 FT	Perforated	134x110	5	102		10	73.000	**1123 19 1**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

The wall, floor and ceiling bracket can ideally be used as a panel for wall, floor and ceiling mounting.
Also suitable for stand and frame construction in conjunction with the MS 41 mounting rails.

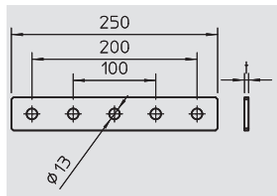


Connection plate with 5 holes

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 5 VP FT	10		10	40.000	**1124 65 1**
GMS 5 VP G	10		10	38.810	**1124 61 1**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with five holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

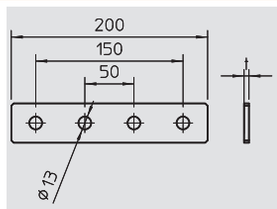


Connection plate with 4 holes

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP FT	40		10	35.580	**1124 64 9**
GMS 4 VP G	40		10	32.340	**1124 60 9**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.



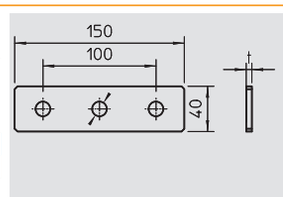


Connection plate with 3 holes

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VP FT	80		20	24.010	**1124 64 7**
GMS 3 VP G	80		20	21.200	**1124 60 7**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with three holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.



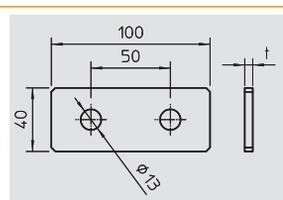


Connection plate with 2 holes

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 2 VP FT	40		10	14.000	**1124 64 5**
GMS 2 VP G	40		10	16.170	**1124 60 5**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

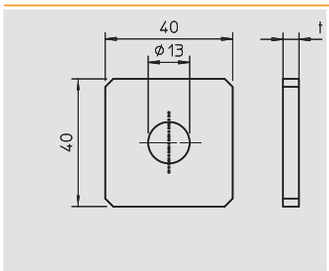
Connection plate with two holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Connection plate with 1 hole



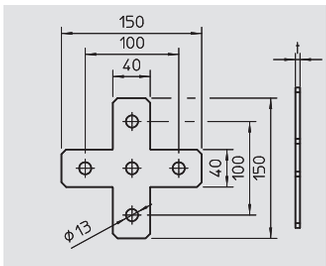
Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 1 VP FT	150		10	7.120	**1124 64 3**
GMS 1 VP G	150		10	6.470	**1124 60 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with lengthwise slot, for example for mounting threaded rods to profile rails 41 x 41 mm and 41 x 21 mm.



Connection plate, X-shaped



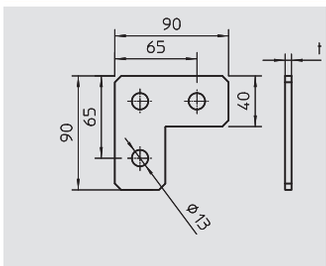
Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 5 VP X G	10		10	39.000	**1124 61 7**
GMS 5 VP X FT	10		10	48.000	**1124 65 7**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with five holes for cross connection of profile rails 41 x 41 mm and 41 x 21 mm.



Connection plate, L-shaped



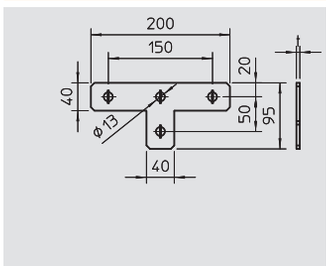
Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VP L G	40		10	20.000	**1124 61 3**
GMS 3 VP L FT	40		10	25.000	**1124 65 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with three holes for angled connection of profile rails 41 x 41 mm and 41 x 21 mm.



Connection plate, T-shaped

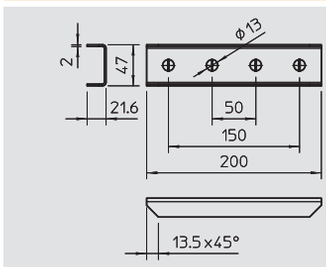


Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VP T G	10		10	40.000	**1124 61 5**
GMS 4 VP T FT	10		10	41.000	**1124 65 5**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connection plate with four holes for T-shaped connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connector



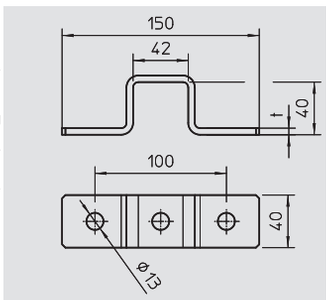
Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GVMS 4 ASV FT	20		10	44.040	**1124 64 1**
GVMS 4 ASV G	20		10	44.040	**1124 60 1**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Connector gripping from outside with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.



Omega clamp



Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4141 G	10		10	29.830	**1124 63 3**
GMS 3 O 4141 FT	10		10	35.000	**1124 67 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 41 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Construction and profile rail systems

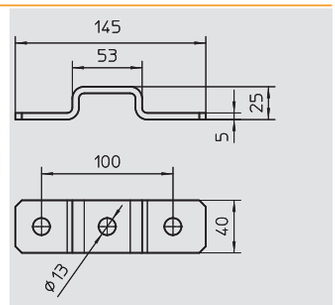


Omega clamp

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 O 4121 G	40		10	23.550	**1124 63 1**
GMS 3 O 4121 FT	40		10	26.680	**1124 67 1**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 21 mm.



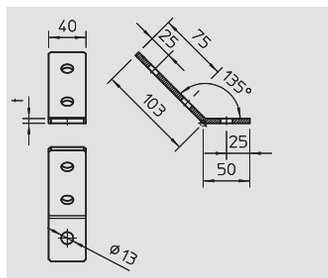


Mounting bracket, 45° with 3 holes

Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VW 45 G	45° bracket	40		10	21.200	**1124 62 7**
GMS 3 VW 45 FT	45° bracket	40		10	24.010	**1124 66 7**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Mounting bracket with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 45°.



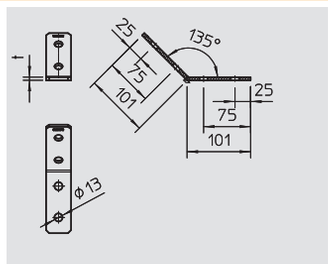


Mounting bracket, 45° with 4 holes

Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VW 45 G	45° bracket	40		10	31.400	**1124 62 9**
GMS 4 VW 45 FT	45° bracket	40		10	32.000	**1124 66 9**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Mounting bracket with four holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 45°.



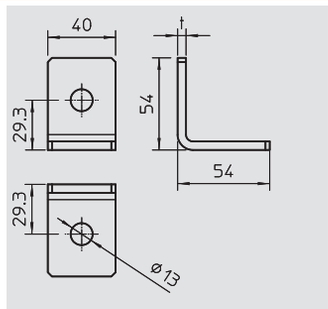


Mounting bracket, 90° with 2 holes

Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 2 VW 90 G	90° bracket	60		10	16.170	**1124 61 9**
GMS 2 VW 90 FT	90° bracket	60		10	14.000	**1124 65 9**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.



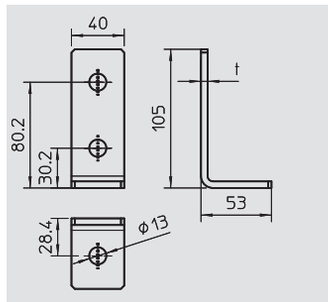


Mounting bracket, 90° with 3 holes

Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VW 90 G	90° bracket	40		10	23.550	**1124 62 1**
GMS 3 VW 90 FT	90° bracket	40		10	25.910	**1124 66 1**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Installation profile with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.



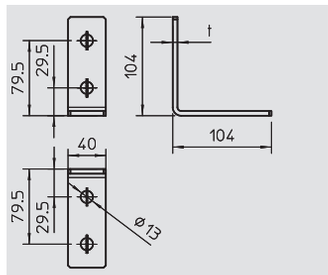


Mounting bracket, 90° with 4 holes

Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 VW 90 G	90° bracket	30		10	32.660	**1124 62 3**
GMS 4 VW 90 FT	90° bracket	30		10	32.000	**1124 66 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

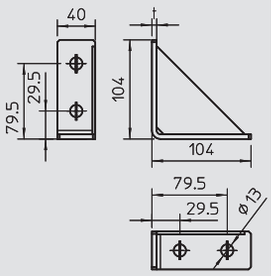
Installation profile with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Triangular node



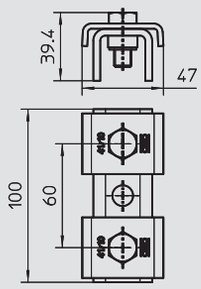
Type	Version	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 4 KD 90 FT	90° bracket	10		10	48.000	**1124 66 5**
GMS 4 KD 90 G	90° bracket	10		10	42.000	**1124 62 5**

St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

Reinforced mounting bracket with four holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.



Rail connector SV with 3 holes



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SVE 41 G	Perforated	47x39,4	4	100		10	42.000	**1123 12 4**
SVE 41 FT	Perforated	47x39,4	4	100		10	42.000	**1123 12 1**

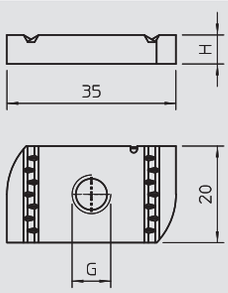
St Steel G Electrogalvanised FT Hot-dip galvanised /100 pc.

The rail connector is used to extend the mounting rail MS 41. The connection can be made simply and securely on the construction site or prefabricated in the workshop.
There is a guarantee that there is no weakpoint in the area of the rail coupling. The static values of the mounting rail apply here.

Scope of delivery:
Retaining plates, type 41, and matching hexagonal bolts included loosely.



Slide nut, 22 mm slot width, for MS 21 / 41



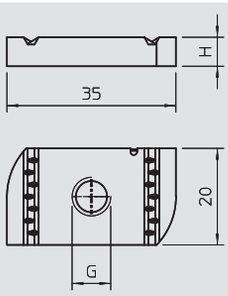
Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
G22 M6 G	M6	6	300		50	2.700	**1146 39 0**
G22 M8 G	M8	6	300		50	2.470	**1146 39 2**
G22 M10 G	M10	8	300		50	3.200	**1146 39 4**
G22 M12 G	M12	9.5	300		50	3.700	**1146 39 6**

St Steel G Electrogalvanised /100 pc.

Slide nut for profile rail MS 21 / 41, without tensioning spring with toothing, fixing by 90° rotation.



Slide nut, 22 mm slot width, for MS 21 / 41, V4A



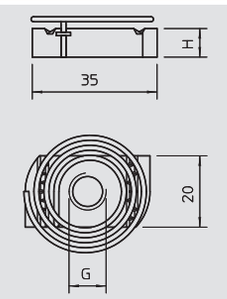
Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
G22 M6 V4A	M6	6	300		50	2.700	**1146 40 1**
G22 M8 V4A	M8	6	300		50	2.470	**1146 40 3**
G22 M10 V4A	M10	8	300		50	3.200	**1146 40 6**
G22 M12 V4A	M12	9.5	300		50	3.700	**1146 40 8**

V4A Stainless steel, grade 316 /100 pc.

Slide nut for profile rail MS 21 / 41, without tensioning spring with toothing, fixing by 90° rotation.



Slide nut, 22 mm slot width, for MS 21 / 41



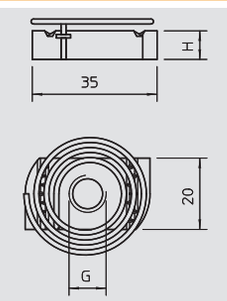
Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMF22 M6 G	M6	6	300		50	4.300	**1146 45 1**
GMF22 M8 G	M8	6	300		50	4.200	**1146 45 5**
GMF22 M10 G	M10	8	200		50	4.100	**1146 45 9**
GMF22 M12 G	M12	9.5	200		50	3.900	**1146 46 3**

St Steel G Electrogalvanised /100 pc.

Slide nut for profile rail MS 21 / 41, with tensioning spring and toothing, fixing by 90° rotation.



Slide nut, 22 mm slot width, for MS 21 / 41, V4A



Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMF22 M6 V4A	M6	6	300		50	2.926	**1146 43 0**
GMF22 M8 V4A	M8	6	300		50	2.867	**1146 43 4**
GMF22 M10 V4A	M10	8	200		50	3.470	**1146 43 8**
GMF22 M12 V4A	M12	9.5	200		50	4.110	**1146 44 2**

V4A Stainless steel, grade 316 /100 pc.

Slide nut for profile rail MS 21 / 41, with tensioning spring and toothing, fixing by 90° rotation.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Construction and profile rail systems

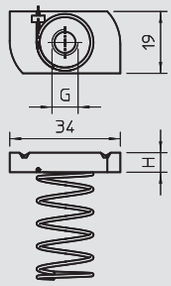


Slide nut, 22 mm slot width, for MS 21 / 41

Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMLF22 M6 F	M6	5	100		100	3.090	**1146 70 6**
GMLF22 M8 F	M8	6	100		100	3.090	**1146 70 8**
GMLF22 M10 F	M10	8	100		100	3.090	**1146 71 0**
GMLF22 M12 F	M12	9	100		100	4.000	**1146 71 2**

St Steel F Hot-dip galvanised /100 pc.

Slide nut for profile rail MS 41, with tensioning spring and toothing, fixing by 90° rotation.



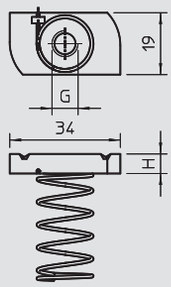


Slide nut, 22 mm slot width, for MS 21 / 41, V4A

Type	Thread	Dimension H mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
GMLF22 M6 V4A	M6	5	100		100	4.000	**1146 68 6**
GMLF22 M8 V4A	M8	6	100		100	3.090	**1146 68 8**
GMLF22 M10 V4A	M10	8	100		100	3.090	**1146 69 0**
GMLF22 M12 V4A	M12	9	100		100	4.000	**1146 69 2**

V4A Stainless steel, grade 316 /100 pc.

Slide nut for profile rail MS 41, with tensioning spring and toothing, fixing by 90° rotation.



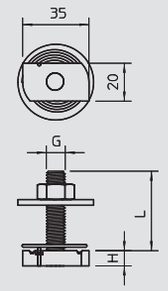


Hammer-head bolt, for MS 21 / 41

Type	Thread	Dimension L mm	Dimension H mm	Washer Ø mm	Grade	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
HKF22 M8x30 G	M8	30	6	40	–	100		25	9.100	**1148 95 0**
HKF22 M8x50 G	M8	50	6	40	–	100		25	9.600	**1148 95 5**
HKF22 M10x30 G	M10	30	8	40	–	100		25	10.300	**1148 96 1**
HKF22 M10x50 G	M10	50	8	40	–	100		25	11.500	**1148 96 6**
HKF22 M12x30 G	M12	30	9.5	40	–	100		25	11.800	**1148 97 2**

St Steel G Electrogalvanised /100 pc.

Hammer-head bolt for profile rail MS 21 / 41, with tensioning spring and toothing, fixing by 90° rotation



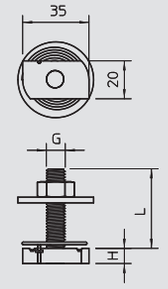


Hammer-head bolt, for MS 21 / 41 V4A

Type	Thread	Dimension L mm	Dimension H mm	Washer Ø mm	Grade	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
HKF22 M8x30 V4A	M8	30	6	40	1.44	100		25	7.288	**1148 99 0**
HKF22 M8x50 V4A	M8	50	6	40	1.44	100		25	8.134	**1148 99 2**
HKF22 M10x30 V4A	M10	30	8	40	1.44	100		25	9.191	**1148 99 6**
HKF22 M10x50 V4A	M10	50	8	40	1.44	100		25	10.187	**1148 99 8**
HKF22 M12x30 V4A	M12	30	9.5	40	1.44	100		25	10.567	**1149 00 2**

V4A Stainless steel, grade 316 /100 pc.

V4A hammer-head bolt for profile rail MS 21 / 41, with tensioning spring and toothing, fixing by 90° rotation



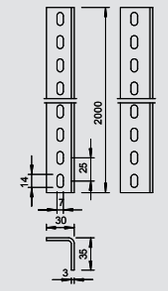


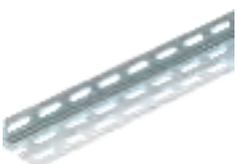
Angle profile

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WP 30 35 FT	2,000		10	257.000	**6373 10 0**
WP 30 35 5000 FT	5,000		1	643.000	**6373 10 3**

St Steel FT Hot-dip galvanised /pc.

Angle profile, perforated on both sides, for creation of special support structures.



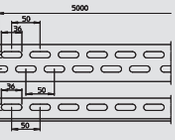


Angle profile

Type	Length mm		Pack. m	Weight kg/100 m	Item No.
WP 40 65 FT	5,000		1	250.000	**6373 07 0**

St Steel FT Hot-dip galvanised /m

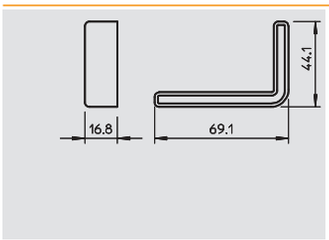
Angle profile, perforated on both sides, for creation of special support structures.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

End cap



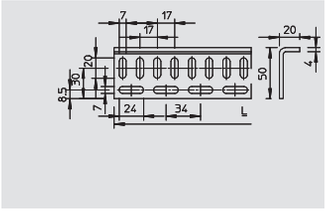
Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
WPK SR OR	Pastel orange		20	0.600	**6372 88 1**
WPK SL OR	Pastel orange		20	0.600	**6372 89 8**

PE Polyethylene /pc.

End cap to cover the ends of angle profile, type WE 40/65.



Angle profile



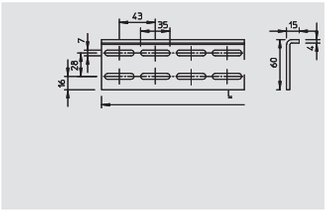
Type	Length mm	Plate thickness mm		Pack. m	Weight kg/100 m	Item No.
WESP 50 20 BK	3,000	4		1	159.000	**7105 66 5**

St Steel Bright /m

Angle profile with double row of holes for creation of suspended and support structures.



Angle profile



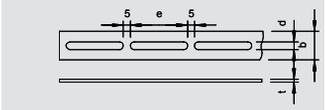
Type	Length mm	Plate thickness mm		Pack. m	Weight kg/100 m	Item No.
WESP 60 15 BK	3,000	4		1	179.000	**7105 96 7**

St Steel Bright /m

Angle profile with double straight perforation to create suspension and support constructions.



Slotted steel strap



Type	Length mm	Dimension b mm	Dimension t mm	Dimension e mm	Dimension d mm		Weight kg/100 m	Item No.
5050 20X3 3M FT	3,000	20	3	40	6.5		36.800	**1465 76 7**
5050 25X3 3MFT	3,000	25	3	40	6.5		48.900	**1465 77 5**
5050 30X3 3M FT	3,000	30	3	40	6.5		64.000	**1465 79 1**
5050 SB30x3 FT	3,000	30	3	40	8.5		54.000	**1466 26 7**
5050 30X4 3M FT	3,000	30	4	60	8.5		71.600	**1465 80 5**
5050 40X4 3M FT	3,000	40	4	70	8.5		103.800	**1465 82 1**

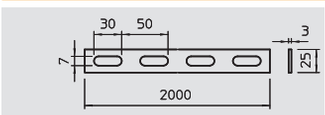
St Steel FT Hot-dip galvanised /100 m

Perforated slotted steel strap in strips.
Length: 3,000 mm.

w x d mm	d mm	e mm
20 x 3	6.5	40
25 x 3	6.5	40
30 x 3	6.5	40
30 x 3	8.5	40
30 x 4	8.5	60
40 x 4	8.5	70



Construction and suspension profile



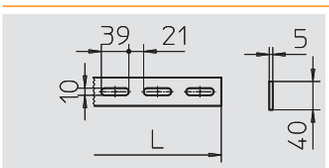
Type	Length mm	Version		Pack. m	Weight kg/100 m	Item No.
SLH 42 FT	2,000	Perforated		1	51.500	**7103 61 1**

St Steel FT Hot-dip galvanised /m

Perforated rail profile of ship ladder, SL 42, for creation of suspension and support structures.
The rail profile is available in unpainted steel and in stainless steel on request.



Construction and suspension profile



Type	Length mm	Version		Pack. m	Weight kg/100 m	Item No.
SLH 62 FT	3,000	Perforated		1	136.000	**7103 64 3**

St Steel FT Hot-dip galvanised /m

Perforated side rail of ship cable ladder, SL 62, for creation of suspension and support structures.
The rail profile is available in unpainted steel and in stainless steel on request.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Construction and profile rail systems

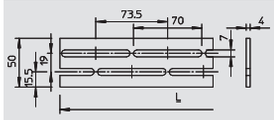


Construction and suspension profile

Type	Length mm	Plate thickness mm		Pack. m	Weight kg/100 m	Item No.
FESP L 50 4 BK	3,000	4		15	117.000	**7104 96 0**

St Steel Bright /m

Flat iron frame with double, offset longitudinal hole row for creation of suspended and support structures.



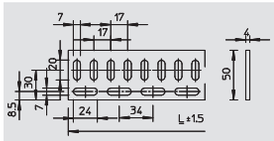


Construction and suspension profile

Type	Length mm	Plate thickness mm		Pack. m	Weight kg/100 m	Item No.
FESP Q 50 4 BK	3,000	4		15	126.600	**7104 66 9**

St Steel Bright /m

Flat iron frame with double, side-offset longitudinal hole row for creation of suspended and support structures.



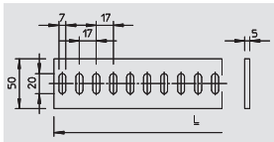


Construction and suspension profile

Type	Length mm	Plate thickness mm		Pack. m	Weight kg/100 m	Item No.
FESP 50 5	3,000	5		15	162.200	**7104 36 7**

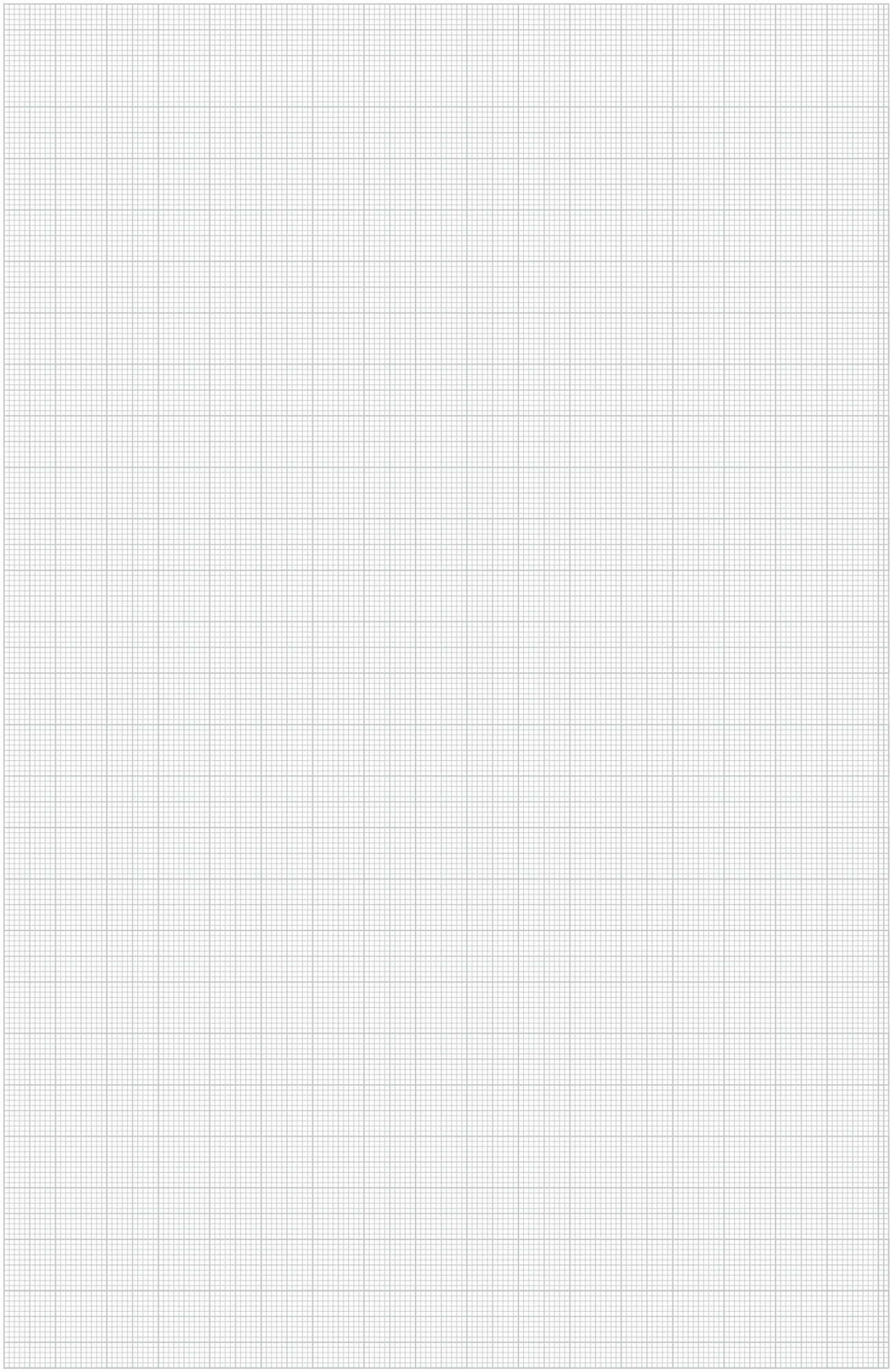
St Steel Bright /m

Flat iron profile with slots to create suspended and support constructions.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Fastening systems

	Screw and fastening systems	Quick fastening RKSM Truss-head bolt Hexagonal bolts Washers Hexagonal nuts	212
	Anchor systems	Nail anchor Bolt anchor Heavy-duty anchor Hammerset anchor Cavity ceiling anchor Screw anchor Injection anchor	217
	Surface refinement and edge protection	Zinc spray Edge protection strip	221
	Earthing systems	Earthing screw	222

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

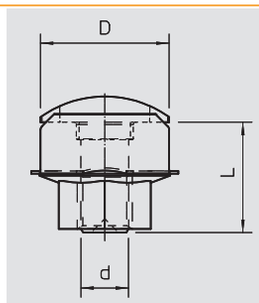
Quick connector



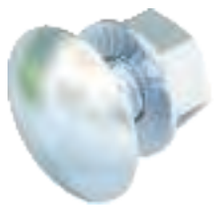
Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FCM F	M6 x 12	12	6	13.5	50	0.720	**6424 54 8**

St Steel F Hot-dip galvanised /100 pc.

Quick connector for efficient fastening of cable tray on brackets.
The quick fastening can then be mounted in all brackets with 7 x ... perforation at a later date.



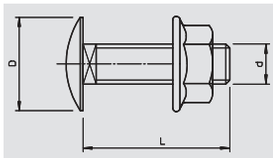
Truss-head bolt with flange nut



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 VZ G	M6 x 12	12	6	13.5	10	0.840	**6406 13 3**
FRSB 6X12 G	M6 x 12	12	6	13.5	100	0.796	**6406 13 0**
FRSB 6X20 G	M6 x 20	20	6	13.5	100	0.903	**6406 18 1**
FRSB 6X12 VZ F	M6 x 12	12	6	13.5	10	0.840	**6406 12 5**
FRSB 6X12 F	M6 x 12	12	6	13.5	100	0.990	**6406 12 2**
FRSB 6X15 F	M6 x 15	15	6	13.5	100	0.800	**6406 15 7**
FRSB 6X20 F	M6 x 20	20	6	13.5	100	1.000	**6406 20 3**
FRSB 6X30 F	M6 x 30	30	6	13.5	100	1.200	**6406 90 7**

St Steel F Hot-dip galvanised G Electrogalvanised /100 pc.

Truss-head bolt with square neck including flange nut.



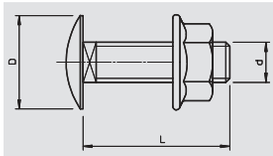
Truss-head bolt with flange nut VA



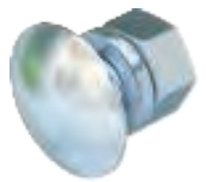
Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 VA4301	M6 x 12	12	6	13.5	100	0.830	**6406 13 8**
FRSB 6X16 VA4301	M6 x 16	16	6	13.5	100	0.800	**6406 18 9**
FRSB 6x20 VA4301	M6 x 20	20	6	13.5	100	0.960	**6406 20 5**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including flange nut



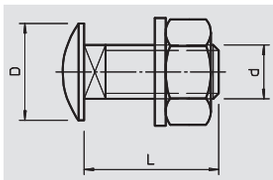
Truss-head bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 8X16 F 8.8	M8 x 16	16	8	20	50	2.200	**6406 96 3**
FRS 8X16 F 5.6	M8 x 16	16	8	20	50	2.000	**6406 93 9**
FRS 8X20 F	M8 x 20	20	8	20	50	2.100	**6406 97 1**
FRS 8X25 F	M8 x 25	25	8	20	50	2.300	**6406 99 8**
FRS 8X35 F	M8 x 35	35	8	20	50	2.700	**6407 04 8**
FRS 10X20 F	M10 x 20	20	10	24	50	4.100	**6407 47 1**
FRS 10X25 F	M10 x 25	25	10	24	50	4.500	**6407 52 8**
FRS 10X25 F 8.8	M10 x 25	25	10	24	50	4.500	**6407 56 0**
FRS 10X25 F TPS	M10 x 25	25	10	18	50	4.300	**6407 53 6**
FRS 10X30 F	M10 x 30	30	10	24	50	5.000	**6407 57 9**
FRS 12X25 F	M12 x 25	25	12	30	10	6.400	**6406 25 4**
FRS 12X30 F	M12 x 30	30	12	30	20	6.800	**6406 27 0**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck. With washer and hexagonal nut.
The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.



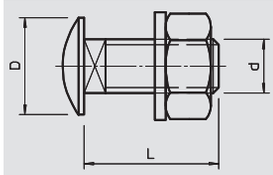
Truss-head bolt with nut and washer VA



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 6X12 VA4301	M6 x 12	12	6	13.5	100	0.760	**6406 52 1**
FRS 6X16 VA4301	M6 x 16	15	6	13.5	100	0.900	**6406 55 6**
FRS 6X20 VA4301	M6 x 20	20	6	13.5	100	1.000	**6406 60 2**
FRS 8X16 VA4301	M8 x 16	16	8	20	50	2.200	**6406 69 6**
FRS 8X20 VA4301	M8 x 20	20	8	20	50	2.100	**6406 80 7**
FRS 8X25 VA4301	M8 x 25	25	8	20	50	2.300	**6406 81 5**
FRS 8X35 VA4301	M8 x 35	35	8	20	50	2.700	**6406 82 3**
FRS 10X20 VA4301	M10 x 20	20	10	24	50	3.900	**6406 86 6**
FRS 10X25 VA4301	M10 x 25	25	10	24	50	4.500	**6406 71 8**
FRS 10X30 VA4301	M10 x 30	30	10	24	50	4.500	**6406 72 6**
FRS 12X25 VA4301	M12 x 25	25	12	30	25	6.400	**6406 75 0**
FRS 12X30 VA4301	M12 x 30	30	12	30	25	6.800	**6406 76 9**

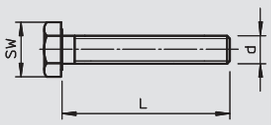
V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Hexagonal bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
342 M8X20 G	M8 x 20	20	8	13	100	1.230	**3158 20 9**
342 M8X25 G	M8 x 25	25	8	13	100	1.390	**3158 24 1**
342 M8X30 G	M8 x 30	30	8	13	100	1.550	**3158 30 6**
342 M10X20 G	M10 x 20	20	10	17	100	2.320	**3160 20 3**
342 M10X30 G	M10 x 30	30	10	17	100	2.820	**3160 30 0**
342 M10X40 G	M10 x 40	40	10	17	50	3.240	**3160 40 8**
342 M10X50 G	M10 x 50	50	10	17	50	3.820	**3160 50 5**
342 M10X60 G	M10 x 60	60	10	17	50	4.330	**3160 60 2**
342 M12X30 G	M12 x 30	30	12	19	50	4.020	**3162 30 3**
342 M12X40 G	M12 x 40	40	12	19	50	4.740	**3162 40 0**
342 M12X50 G	M12 x 50	50	12	19	50	5.450	**3162 50 8**

St Steel G Electrogalvanised /100 pc.

Hexagonal bolt to ISO 4017 with metric thread



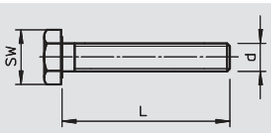
Hexagonal bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 6X12 F	M6 x 10	12	6	10	100	0.810	**3156 49 4**
SKS 6X20 F	M6 x 20	20	6	10	100	0.900	**3156 51 6**
SKS 6X30 F	M6 x 30	30	6	10	100	1.100	**3156 52 4**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



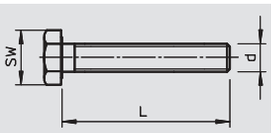
Hexagonal bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 8X16 F	M8 x 16	16	8	13	50	1.900	**3158 62 4**
SKS 8X20 F	M8 x 20	20	8	13	50	1.500	**3158 63 2**
SKS 8X30 F	M8 x 30	30	8	13	50	2.300	**3158 64 0**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



Hexagonal bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X25 F	M10 x 25	25	10	17	50	4.200	**3160 73 4**
SKS 10X30 F	M10 x 30	30	10	17	50	4.400	**3160 74 2**
SKS 10X40 F	M10 x 40	40	10	17	50	4.900	**3160 75 0**
SKS 10X60 F	M10 x 60	60	10	17	20	6.000	**6408 51 6**
SKS 10X80 F	M10 x 80	80	10	17	20	7.700	**6418 25 0**
SKS 10X90 F	M10 x 90	90	10	17	20	7.800	**6418 25 2**
SKS 10X120 F	M10 x 120	120	10	17	20	13.500	**3160 79 3**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fixing of structure components.



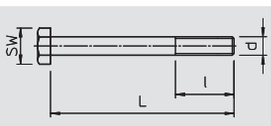
Hexagonal bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X30 F	M12 x 30	30	12	19	20	7.200	**3163 09 1**
SKS 12X40 F	M12 x 40	40	12	19	25	7.800	**3163 11 3**
SKS 12X60 F	M12 x 60	60	12	19	25	9.000	**3163 15 6**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt for universal fastening of construction components.



Hexagonal bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X80 F	M12 x 80	80	30	12	19	20	11.800	**6418 28 7**
SKS 12X100 F	M12 x 100	100	30	12	19	20	12.600	**6418 29 5**
SKS 12X110 F	M12 x 110	110	30	12	19	20	14.500	**6418 31 7**
SKS 12X130 F	M12 x 130	130	36	12	19	20	15.500	**6408 47 8**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal bolt with hexagonal nut, washer and serrated lock washer.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Screw and fastening systems

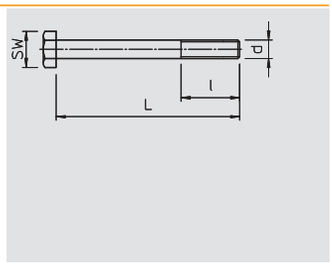


Hexagonal bolt with nut and washer VA

Type	Grade	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X80 VA4301	1.43	M12 x 80	80	30	12	19	20	11.800	**6418 27 9**
SKS 12X100VA4301	1.43	M12 x 100	100	30	12	19	20	12.000	**6418 36 8**
SKS 12X110VA4301	1.43	M12 x 110	110	30	12	19	20	14.500	**6418 37 6**

V2A Stainless steel, grade 304 /100 pc.

Hexagonal bolts for universal fixing of structure components.



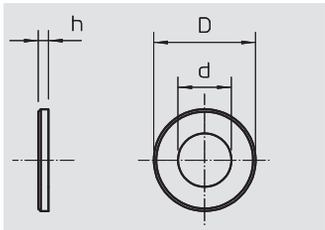


Washer

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
966 M6 G	M6	6.4	12	1.6	12,000	100	0.114	**3402 06 1**
966 M8 G	M8	8.4	16	1.6	5,000	100	0.214	**3402 08 8**
966 M10 G	M10	10.5	20	2	3,000	100	0.408	**3402 09 6**
966 M12 G	M12	13	24	2.5	2,400	100	0.627	**3402 12 6**

St Steel G Electrogalvanised /100 pc.

Washer according to DIN 125, shape A, for universal use.



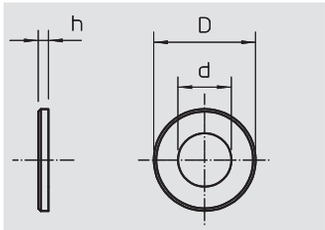


Washer

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
966 M6 F	M6	6.6	12	1.6	100	0.114	**3402 44 4**
966 M8 F	M8	9	16	1.6	100	0.214	**3402 45 2**
966 M10 F	M10	11	20	2	100	0.408	**3402 46 0**
966 M12 F	M12	13.5	24	2.5	100	0.627	**3402 47 9**

St Steel F Hot-dip galvanised /100 pc.

Washer for universal use.



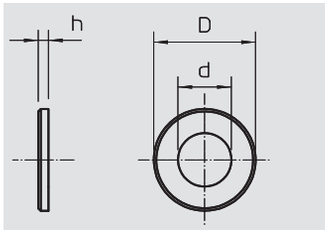


Washer VA

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
966 M6 VA	M6	6.4	12	1.6	10,000	100	0.114	**3402 30 4**
966 M8 VA	M8	8.4	16	1.6	5,000	100	0.214	**3402 31 2**
966 M10 VA	M10	10.5	20	2	3,000	100	0.408	**3402 32 0**
966 M12 VA	M12	13	24	2.5	2,400	100	0.627	**3402 33 9**

V2A Stainless steel, grade 304 /100 pc.

Washer according to DIN 125, shape A, for universal use.



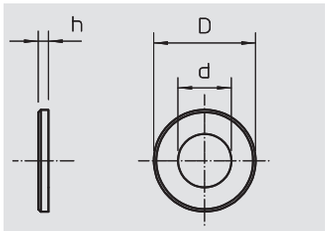


Washer

Type	Thread	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
967 M6 G	M6	1,000	100	1.150	**3402 20 7**
967 M8 G	M8	1,400	100	1.100	**3402 21 5**
967 M10 G	M10	1,400	100	1.020	**3402 22 3**

St Steel G Electrogalvanised /100 pc.

Washer of large outer diameter for universal use.



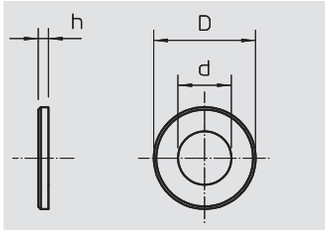


Large washer

Type	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN440 7 F	6.6	22	2	100	0.550	**6408 70 2**
DIN440 9 F	9	28	3	100	1.344	**6408 71 0**
DIN440 11 F	11	34	3	100	1.985	**6408 72 9**
DIN440 14 F	13.5	44	4	50	4.736	**6408 73 7**

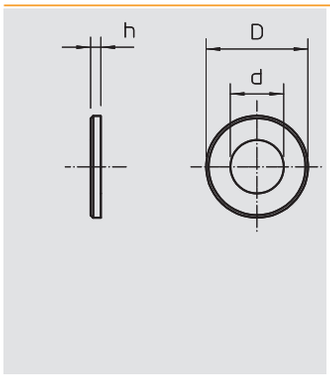
St Steel F Hot-dip galvanised /100 pc.

Washer of particularly large outer diameter.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



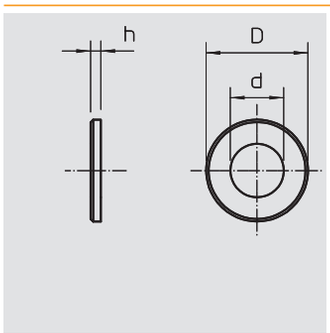
Large washer

Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
964 M4 G15 G	M4	4.3	15	1.2	100	0.156	**3403 02 5**
964 M5 G20 G	M5	5.3	20	1.2	100	0.274	**3403 04 1**
964 M6 G25 G	M6	6.4	25	1.2	100	0.415	**3403 08 4**
964 M6 G30 G	M6	6.4	30	1.3	100	0.675	**3403 09 2**
964 M6 G20 G	M6	6.4	20	1.5	100	0.262	**3403 07 6**
964 M8 G25 G	M8	8.4	25	1.2	100	0.370	**3403 13 0**
964 M8 G20 G	M8	8.4	20	1.5	100	0.240	**3403 12 2**
964 M10 G30 G	M10	10.5	30	1.5	100	0.592	**3403 16 5**

St Steel G Electrogalvanised /100 pc.

Washer of particularly large outer diameter.





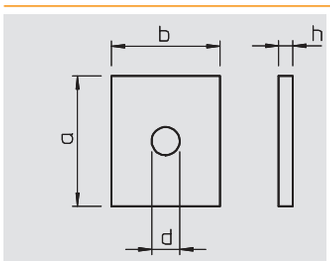
Large washer VA

Type	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
964 M8 G20 V2A	8.4	20	1.5	100	0.240	**3403 12 5**
964 M8 G25 V2A	8.4	25	1.2	100	0.370	**3403 13 5**
964 M8 G40 V2A	8.5	40	1.5	100	0.370	**3403 14 5**
964 M10 G30 V2A	10.5	30	1.5	100	0.592	**3403 15 5**
964 M10 G40 V2A	10.5	40	1.5	100	0.592	**3403 17 5**

V2A Stainless steel, grade 304 /100 pc.

Washer of particularly large outer diameter. In the case of connections on the MS 41 mounting rail, we recommend the external diameter of 40 mm.





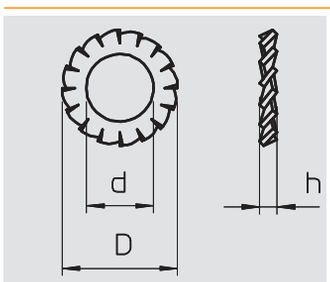
Counter plate

Type	Dimension a mm	Dimension b mm	Dimension d mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
K 60 FT	60	50	13	6.5	10	15.000	**6348 40 8**
K 70 FT	70	70	17	6.5	10	24.000	**6348 44 0**

St Steel FT Hot-dip galvanised /pc.

Counter plate to increase the contact surface for pass-through installation of brackets and supports.





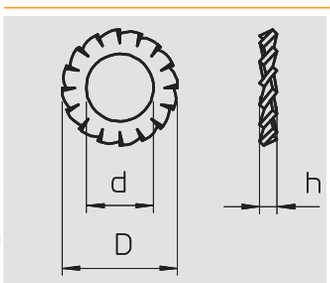
Serrated washer

Type	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 6798 A M6 G	6.4	11	2.1	100	0.036	**3404 06 4**
DIN 6798 A M8 G	8.4	15	2.4	100	0.080	**3404 08 0**
DIN 6798 A M10 G	10.5	18	2.7	100	0.125	**3404 10 2**
DIN 6798 A M12 G	13	20.5	3	100	0.160	**3404 12 9**

St Steel G Electrogalvanised /100 pc.

Serrated washer to DIN 6798, shape A.





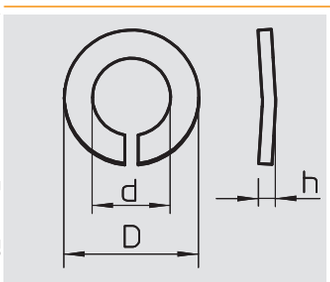
Serrated washer VA

Type	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 6798 M6 VA	6.4	11	2.1	100	0.040	**3404 33 1**
DIN 6798 M8 VA	8.4	15	2.4	100	0.080	**3404 35 8**

V2A Stainless steel, grade 304 V2A Stainless steel, grade 301 /100 pc.

Serrated washer to DIN 6798, shape A.





Lock washer

Type	Dimension d mm	Dimension D mm	Dimension h mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 128 A M6 G	6.3	11.8	2.1	100	0.070	**3405 06 0**
DIN 128 A M8 G	8.3	14.8	2.6	100	0.130	**3405 08 7**
DIN 128 A M10 G	10.5	18.1	3	100	0.210	**3405 10 9**
DIN 128 A M12 G	12.5	21.1	3.5	100	0.320	**3405 12 5**

St Steel G Electrogalvanised /100 pc.

Lock washer according to DIN 128, shape A.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

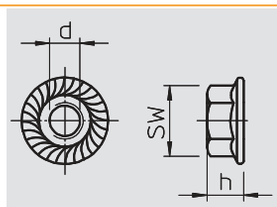
Flange nut



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 G	6	6	10	100	0.315	**6408 95 8**
KM M6 F	6	6	10	100	0.315	**6408 96 2**

St Steel F Hot-dip galvanised G Electrogalvanised /100 pc.

Nut with pressed washer.



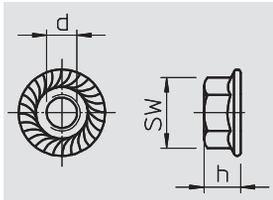
Flange nut VA



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4301	6	6	10	100	0.315	**6408 96 6**

V2A Stainless steel, grade 304 /100 pc.

Nut with pressed washer.



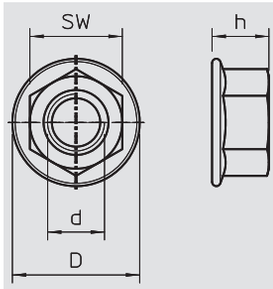
Flange nut DIN 6923 VA



Type	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 6923 M8 VA	8	13	100	0.800	**3156 12 0**
DIN 6923 M10 VA	10	17	50	1.320	**3156 12 2**
DIN 6923 M12 VA	12	19	50	2.100	**3156 12 6**

V2A Stainless steel, grade 304 /100 pc.

Combination nut with pressed washer.



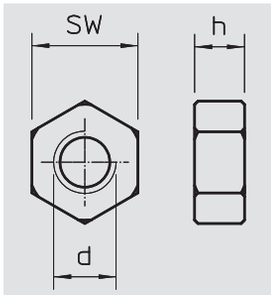
Hexagonal nut



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 934 M6 G	6	5.2	10	100	0.225	**3400 06 9**
DIN 934 M8 G	8	6.8	13	100	0.474	**3400 08 5**
DIN 934 M10 G	10	8.4	17	100	1.084	**3400 10 7**
DIN 934 M12 G	12	10.8	19	100	1.730	**3400 12 3**

St Steel G Electrogalvanised /100 pc.

Hexagonal nut according to DIN 934 with metric thread. Resistance class 8.



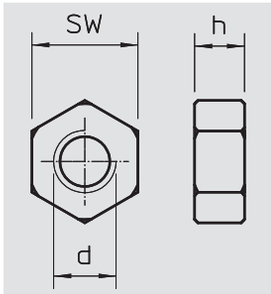
Hexagonal nut



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN934 M6 F	6	5.2	10	100	0.250	**3400 34 4**
DIN934 M8 F	8	6.8	13	100	0.520	**3400 35 2**
DIN934 M10 F	10	8.4	17	100	1.160	**3400 36 0**
DIN934 M12 F	12	10.8	19	100	1.730	**3400 37 9**

St Steel F Hot-dip galvanised /100 pc.

Hexagonal nut to DIN 934 with metric thread.



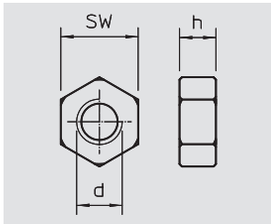
Hexagonal nut VA



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 934 M6 VA	6	5.2	10	100	0.250	**3397 06 8**
DIN 934 M8 VA	8	6.8	13	100	0.520	**3397 08 4**
DIN 934 M10 VA	10	8.4	17	100	1.160	**3397 10 6**
DIN 934 M12 VA	12	10.8	19	100	1.730	**3397 11 4**

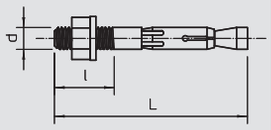
V2A Stainless steel, grade 304 /100 pc.

Hexagonal nut to DIN 934 with metric thread.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



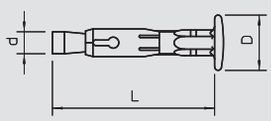
Nail anchor

Type	Thread	Dimension d mm	Dimension l mm	Bore hole depth mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FNA II 6X30 M6/5	M6	6	13	40	53		100	1.400	**3498 42 5**

St Steel G Electrogalvanised /100 pc.

Nail anchor with M6 thread. European technical approval for concrete. Fire resistance class to F120 according to fire protection testing report.





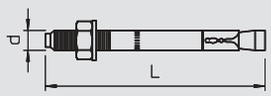
Nail anchor

Type	Dimension D mm	Dimension d mm	Dimension L mm	Bore hole depth mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FNA II 6X30/5	15	6	40	40		100	1.120	**3498 46 8**

St Steel G Electrogalvanised /100 pc.

Nail anchor with drive-in head. European technical approval for concrete. Fire resistance class to F 120 according to fire protection testing report.





Anchor bolt

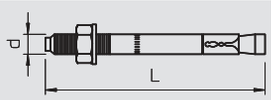
Type	Thread	Clamping range mm	Dimension L mm	Dimension d mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FAZ II 8 10 GS	M8	10	75	8	2.4		50	3.720	**3498 50 6**
FAZ II 8 30 GS	M8	30	97	8	2.4		50	3.800	**3498 48 4**
FAZ II 10 10 GS	M10	10	95	10	4.3		50	7.680	**3498 54 9**
FAZ II 10 30	M10	30	115	10	4.3		25	7.520	**3498 58 1**
FAZ II 10 100	M10	100	185	10	4.3		20	11.500	**3498 59 7**
FAZ II 12 10	M12	10	110	12	7.6		20	10.400	**3498 65 4**

St Steel G Electrogalvanised /100 pc.

Anchor bolt for fastening high loads. Matches OBO mounting systems and wall support brackets and supports.

With European technical approval no.: ETA-05/0069
GS = with large washer, external diameter approx. 2.5 x drill diameter.





Anchor bolt VA

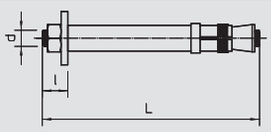
Type	Thread	Dimension L mm	Dimension d mm	Clamping range mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FAZ II 810VA4401	M8	75	8	10	2.4		50	3.720	**3498 50 9**
FAZ II 830VA4401	M8	95	8	30	2.4		50	3.800	**3498 48 7**
FAZ II 10/50 V4A	M10	135	10	50	4.3		20	8.280	**3498 83 5**
FAZ II 10/10GS V	M 10	95	10	10	4.3		50	7.680	**3498 82 4**
FAZ II 12/10 VA	M12	110	12	10	4.76		20	10.400	**3498 85 9**
FAZ II 10 30 V4A	M10	115	10	30	4.3		50	7.000	**3498 58 4**

V4A Stainless steel, grade 316 Stained /100 pc.

Anchor bolt for fastening high loads. Matches OBO mounting systems and wall support brackets and supports.

With European technical approval no.: ETA-05/0069
GS = with large washer, external diameter approx. 2.5 x drill diameter.





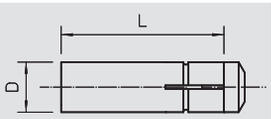
Heavy-duty anchor

Type	Thread	Dimension L mm	Dimension d mm	Clamping range mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FH II 18X80	M12	120	18	10	9.91		10	20.000	**3498 74 3**

St Steel G Electrogalvanised /100 pc.

Heavy-duty anchor for fastening components with large loads.





Hammerset anchor

Type	Thread	Dimension D mm	Dimension L mm	Screw-in depth min.-max. mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FZEA II 10X40 G	M8	10	40	11-17	1.6		100	1.550	**3492 03 6**
FZEA II 12X40 G	M10	12	40	13-19	3		100	2.075	**3492 06 0**
FZEA II 14X40 G	M12	14	40	15-21	3.6		50	2.750	**3492 09 5**

St Steel G Electrogalvanised /100 pc.

Undercut steel anchor with internal thread.

With European technical approval: no.: ETA-06/0271



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Anchor systems

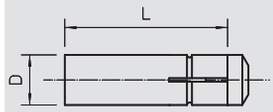
Hammerset anchor VA



Type	Thread	Dimension D mm	Dimension L mm	Screw-in depth min.-max. mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FZEA II 10X40 VA	M8	10	40	11-17	1.6		100	1.550	**3492 14 5**
FZEA II 12X40 VA	M10	12	40	13-19	3		100	2.075	**3492 15 0**
FZEA II 14X40V4A	M12	14	40	15-21	3.6		50	2.750	**3492 09 7**

V4A Stainless steel, grade 316 /100 pc.

Hammerset anchor with internal thread
With European technical approval: no.: ETA-06/0271



Drive-in mandrel



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
FZED 10 Plus		1	44.400	**3492 62 1**
FZED 12 Plus		1	45.000	**3492 66 4**
FZED 14 Plus		1	45.100	**3492 69 9**

St Steel G Electrogalvanised /pc.

The drive-in mandrel guarantees correct, approved mounting of the FZEA tie.

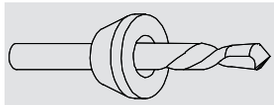
Universal drill



Type	Bore hole Ø mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
FZUB 10X40	10	10		1	11.800	**3492 33 8**
FZUB 12X40	12	10		1	12.200	**3492 36 2**
FZUB 14X40	14	10		1	12.500	**3492 39 7**

St Steel Bright /pc.

The universal drill for SDS seats guarantees correct, approved mounting of the FZEA anchors.



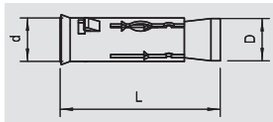
Cavity ceiling anchor



Type	Thread	Dimension d mm	Dimension D mm	Dimension L mm	Screw-in depth min.-max. mm	Bore hole depth mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FHY M8	M8	8	12	43	43-55	50		25	1.300	**3498 76 0**
FHY M10	M10	10	16	52	52-60	60		20	3.200	**3498 76 4**

St Steel G Electrogalvanised /100 pc.

Cavity ceiling anchor with internal thread for use in stressed concrete core slab ceilings.
Construction approval no.: Z-21.1-1711
The approved loads apply to the appropriate ceiling thickness.



Screw anchor

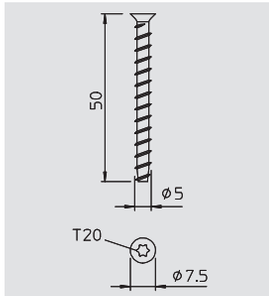


Type	Dimension mm	Anchor length mm	Bore hole Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
HMS-KS5X50	5 x 50	50	4		200	0.460	**3498 20 4**

St Steel G Electrogalvanised /100 pc.

Screw anchor with countersunk cone head for direct installation without additional anchors. Drive T20, drill hole 4 mm. Fire protection tested according to DIN 4102 for concrete and masonry. Fire resistance class to F90.

Substrate
The bolt ties are suitable for screwing into the following types of masonry:
- Calcareous sandstone – full brick (KSV)
- Calcareous sandstone – follow brick (KSL)
- Whole brick (Vz)



Screw anchor

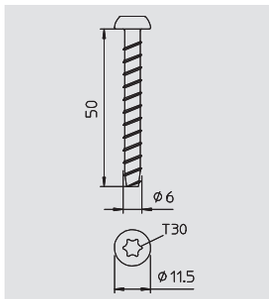


Type	Dimension mm	Anchor length mm	Bore hole Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MMS6X50	6 x 50	50	5		100	0.960	**3498 10 7**

St Steel G Electrogalvanised /100 pc.

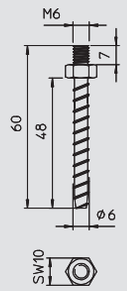
Fire protection bolt tie with pan head for direct mounting without additional anchors. Drive T30, drill hole 5 mm. Fire protection tested according to DIN 4102 for concrete and masonry.

Substrate
The bolt ties are suitable for screwing into the following types of masonry:
- Calcareous sandstone - Full brick (KSV)
- Calcareous sandstone - Hollow brick (KSL)
- Whole brick (Vz)



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Screw anchor

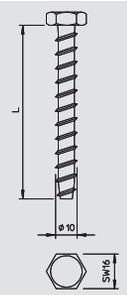
Type	Thread	Dimension mm	Anchor length mm	Bore hole Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MMS-ST6X60	M6	6 x 60	60	5		100	1.400	**3498 26 3**

St Steel G Electrogalvanised /100 pc.

Screw anchor with M6 thread and hexagonal head for direct mounting without additional anchors. WAF 10, drill hole 5 mm. Fire protection tested according to DIN 4102 for concrete and masonry. Fire resistance class to F90.

Substrate
The bolt ties are suitable for screwing into the following types of masonry:
- Calcareous sandstone – full brick (KSV)
- Calcareous sandstone – hollow brick (KSL)
- Whole brick (Vz)





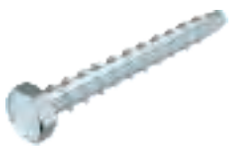
Screw anchor

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MMS10X80	10 x 80		50	3.800	**3498 12 3**
MMS10X100	10 x 100		50	4.600	**3498 15 8**

St Steel G Electrogalvanised /100 pc.

Screw anchor with hexagonal head for direct mounting without additional anchor. WAF 16. Drill hole 8 mm. Fire protection tested according to DIN 4102 for concrete and masonry. Fire resistance class to F90.

Substrate
The bolt ties are suitable for screwing into the following types of masonry:
- Calcareous sandstone – full brick (KSV)
- Calcareous sandstone – hollow brick (KSL)
- Whole brick (Vz)



Two-component injection mortar

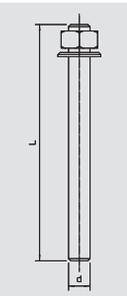
Type	Unit TE	Contents ml		Pack. pcs	Weight kg/100 pcs.	Item No.
FIS V 360 S	180	360		1	133.333	**3488 40 3**

/pc.

Two-component injection mortar for universal, spread-free anchoring in concrete and stone substrates.

Scope of delivery includes two static mixers.





Threaded rod

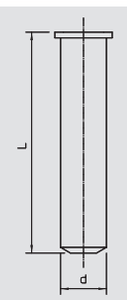
Type	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FIS A M6X70	70	6	10		10	1.800	**3488 29 2**
FIS A M8X90	90	8	13		10	3.800	**3488 29 8**
FIS A M10X110	110	10	17		10	6.600	**3488 30 6**
FIS A M10X130	130	10	17		10	7.940	**3488 30 8**
FIS A M12X120	120	12	19		10	10.800	**3488 31 2**

St Steel G Electrogalvanised /100 pc.

Threaded rod for use in injection mortar.

For use in conjunction with injection tie sleeves and injection mortar.
Approval for masonry: Z-21.3-1824





Anchor sleeve

Type	Dimension d mm	Dimension L mm	Consumption TE		Pack. pcs	Weight kg/100 pcs.	Item No.
FIS H 12X50 K	12	50	5		50	0.225	**3488 45 2**
FIS H 12X85 K	12	85	10		50	0.420	**3488 46 4**
FIS H 16X85 K	16	85	12		50	1.000	**3488 46 2**
FIS H 20X85 K	20	85	15		20	0.690	**3488 46 8**

PP Polypropylene /100 pc.

Anchor sleeve for use in hollow brick and stones in combination with injection mortar system.

For use of the injection mortar system in porous materials and Poroton stones.
Approval for masonry: Z-21.3-1824



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Pressing gun

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
FIS DMS	Red		1	107.030	**3488 52 7**

/pc.

Pressing gun for two-component injection mortar.



Centring sleeve

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
FIS PBZ		10	0.350	**3488 51 5**

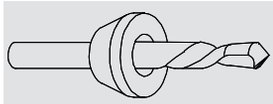
PP Polypropylene /100 pc.

Centring sleeve for using the injection mortar system in porous concrete.



Conical drill

Type	Bore hole Ø mm	Shipping box pcs		Pack. pcs	Item No.
FIS PBB	15	1		1	**3488 52 5**

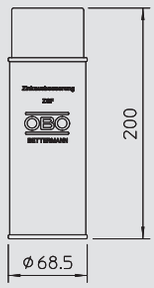


St Steel /pc.

Conical drill PBB with SDS chuck for correct, approval mounting of the injection mortar system in porous concrete.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



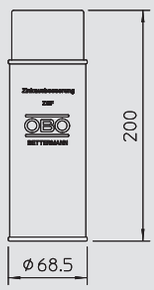
Zinc spray

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
ZSF		1	45.000	**2362 97 0**

/pc.

Zinc spray for treatment of unprotected surfaces and cutting edges. Can contents: 400 ml.
The zinc spray can be used in the temperature range -20 °C to 150 °C.





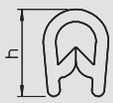
Zinc primer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
ZSF-P		1	45.000	**2362 97 2**

/pc.

Zinc spray for treatment of unprotected surfaces and cutting edges. Can contents: 400 ml.
The zinc spray can be used in the temperature range -20 °C to 150 °C.





Edge protection strip

UV RESISTANT

Type	For plate thickness mm	Dimension h mm	Colour	Length mm		Weight kg/100 m	Item No.
KSB 2 PVC	1-2	10	Black	10,000		8.000	**6072 90 9**
KSB 4 PVC	1-4	15	Black	10,000		14.000	**6072 89 5**

PVC Polyvinylchloride /100 m

Edge protection strip with steel inlay for covering the cut plate ends.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

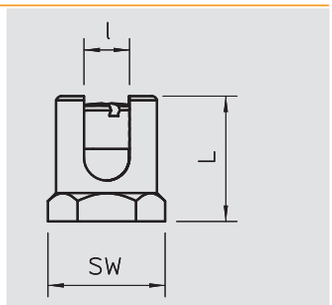


Earthing screw

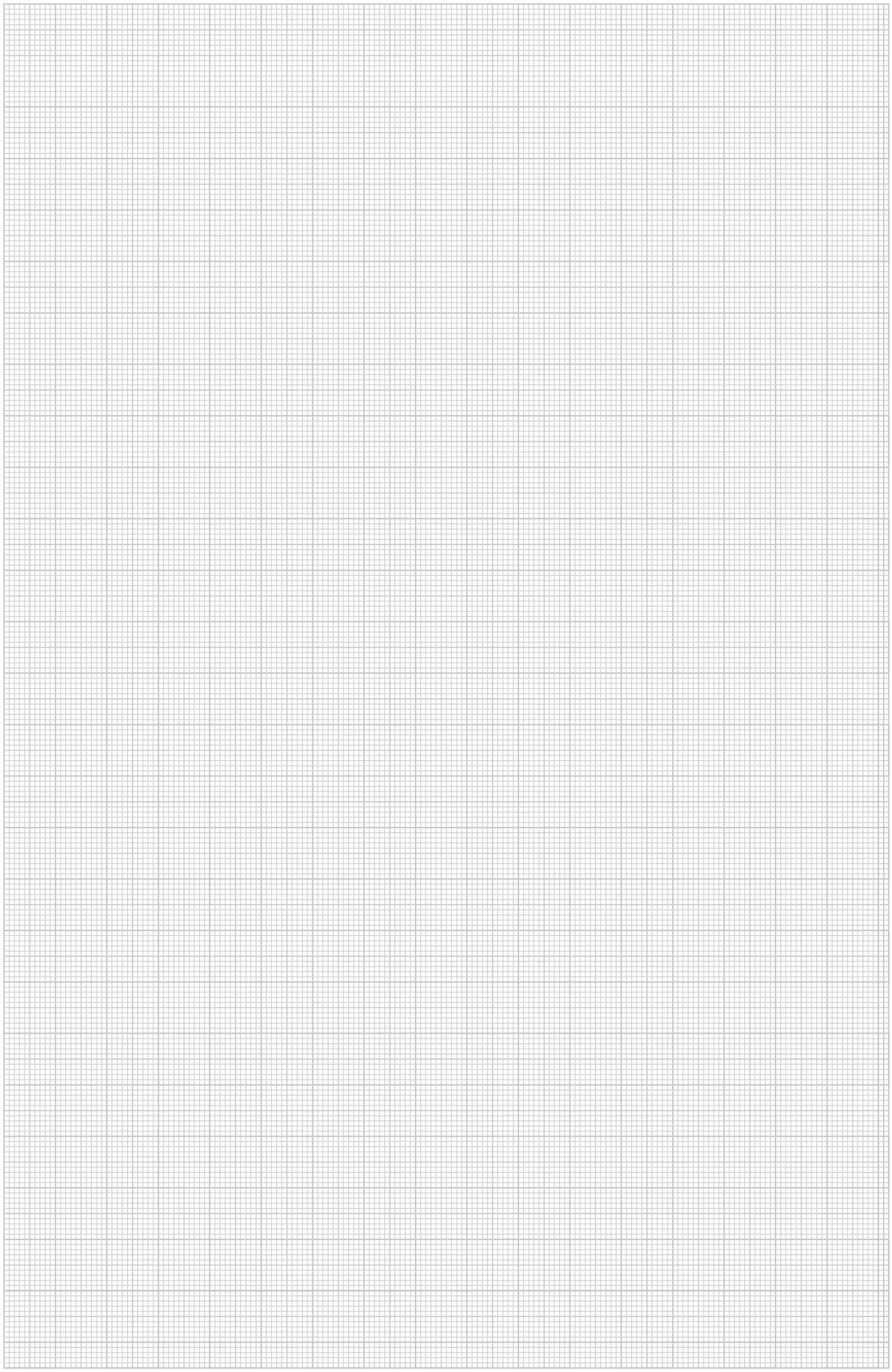
Type	Dimension L mm	Dimension l mm	Cross-section mm²	SW mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
B 33020	22	8	25	18	M6		50	3.100	**6404 00 6**
B 33021	26	10	35	21	M6		50	4.800	**6404 01 4**

CuZn Brass Bright /100 pc.

Earthing screw for fastening the equipotential bonding wire to the cable support system.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

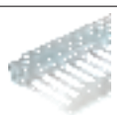


04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Magic cable tray systems

	Side height 35 mm	Cable tray Perforated, material thickness 0.75 mm Perforated, material thickness 1.0 mm Connector 35 mm	226
		Fittings 35 mm	228
	Side height 60 mm	Perforated, material thickness 0.75 mm Perforated, material thickness 1.0 mm Unperforated, material thickness 1.0 mm Unperforated, material thickness 1.5 mm Special, material thickness 1.0 mm	231
		Connector 60 mm Fittings 60 mm	240
	Side height 85 mm	Perforated, material thickness 1.0 mm Perforated, material thickness 1.5 mm Unperforated, material thickness 1.0 mm Unperforated, material thickness 1.5 mm	247
		Connector 85 mm Fittings 85 mm	251
	Side height 110 mm	Perforated, material thickness 1.0 mm Perforated, material thickness 1.5 mm Unperforated, material thickness 1.0 mm Unperforated, material thickness 1.5 mm	256
		Connector 110 mm Fittings 110 mm	261
	System accessories 35, 60, 85, 110	Joint plate Floor end plate Mounting plate	266
		Covers	267

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



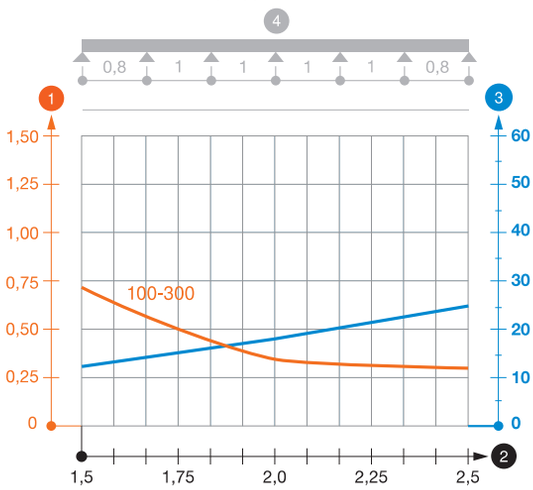
Cable tray RKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension t	Appr. load: 1.5 m	Appr. load: 2.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kg/100 m	
RKSM 310 FS	100	0.75	3,050	33	–	50	–	0.75	0.35	106.700	**6047 41 7**
RKSM 320 FS	200	0.75	3,050	68	100	150	–	0.75	0.35	152.300	**6047 43 3**
RKSM 330 FS	300	0.75	3,050	103	200	250	100	0.75	0.35	213.300	**6047 46 0**

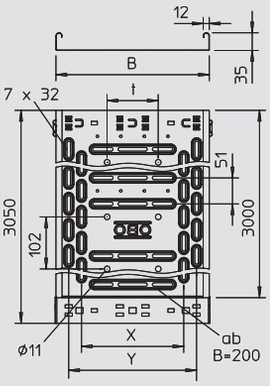
St Steel FS Strip-galvanised /m

RKSM 35 = Efficient magic cable tray system with 35 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 20 mm, for bracket mounting and, from the width 200 mm, with 7 x 32 mm transverse beading for cable ventilation and simplified mounting. With 11 mm perforation for direct threaded rod suspension. Continuous side perforation, 7 x 20 mm, as connector perforation.
The stock length is 35 mm, the usable length when combined is 35 mm.
The spring element FED 35 can be ordered separately as an accessory part (spare) for the cable tray RKS-Magic with a side height of 35 mm under the article number 6068853.
The continuous equipotential bonding is guaranteed without additional components.
VDE and function maintenance (DIN 4102 Part 12) tested cable tray system.

Load diagram, cable tray, type RKSM 35



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width





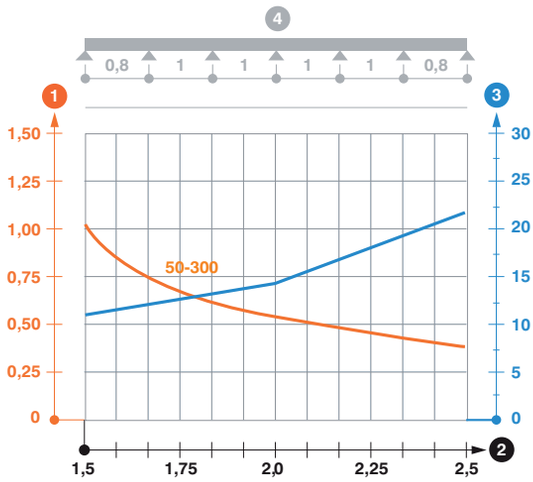
Cable tray RKS 35

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Appr. load: 1.5 m	Appr. load: 2.0 m	Appr. load: 2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
RKS 305 FS	50	0.75	3,000	16	–	25	1	0.5	0.35	78.000	**6047 40 8**

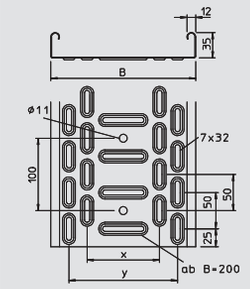
St Steel FS Strip-galvanised /m

RKS 35 = Rational cable tray system with 35 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Including RV 35 straight connector set.

Load diagram, cable tray, type RKS 35

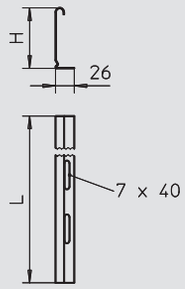


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Barrier strip



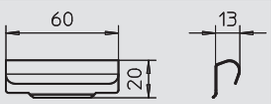
Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 30 FS	30	3,000		3	38.000	**6062 05 0**

St Steel FS Strip-galvanised /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector



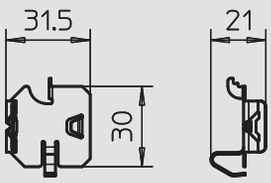
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



Hold-down clamp for barrier strip fastening



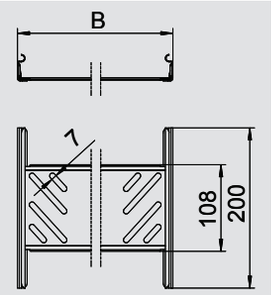
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KR VA4310		30	0.580	**6062 28 0**

V2A Stainless steel, grade 301 /100 pc.

Clamping piece for screwless fastening of barrier strips in the cable tray types RKSM, MKS and SKS.



Magic straight connector set



Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 310 FS	35	100		1	22.700	**6068 90 0**
KTSMV 320 FS	35	200		1	29.400	**6068 90 2**
KTSMV 330 FS	35	300		1	36.100	**6068 90 4**

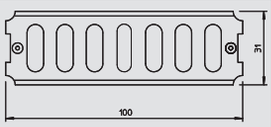
St Steel FS Strip-galvanised /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays with a side height of 35 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



Straight connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RLVK 35 FS	35		10	5.100	**6067 08 5**

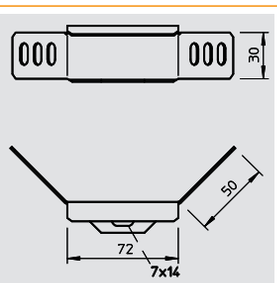
St Steel FS Strip-galvanised /pc.

Straight connector for connections of cable trays and fittings with a side height of 35 mm.

Including appropriate fastening material.



Angle connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WKV 35 FS	35		5	6.800	**6043 03 8**

St Steel FS Strip-galvanised /pc.

Angle connector for cable trays with a side height of 35 mm.

Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 35

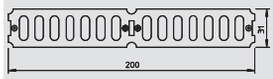
Angle connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWVL 35 FS	35		10	10.500	**6067 10 7**

St Steel FS Strip-galvanised /pc.

Straight and angle connector for cable trays and fittings with a side height of 35 mm.
Including appropriate fastening material.



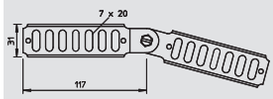
Adjustable connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 35 FS	35		10	11.000	**7082 00 2**

St Steel FS Strip-galvanised /pc.

Adjustable connector for cable trays with a side height of 35 mm.
Including appropriate fastening material.



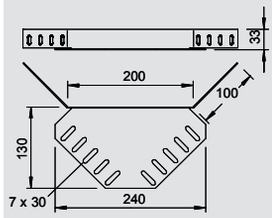
Corner connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
REV 35 FS	35		10	39.000	**6067 95 6**

St Steel FS Strip-galvanised /pc.

Corner connector for cable trays with side height 35 mm.
Fastening materials should be ordered separately.



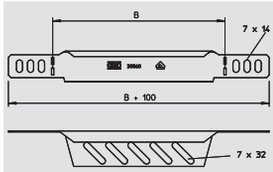
Reducer / stop-end



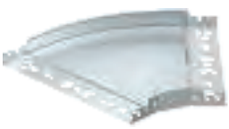
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 305 FS	50		1	4.200	**7108 05 2**
RWEB 310 FS	100		1	7.400	**7108 10 9**
RWEB 320 FS	200		1	12.300	**7108 20 6**
RWEB 330 FS	300		1	18.300	**7108 31 1**

St Steel FS Strip-galvanised /pc.

Reducer/stop-end for cable trays with side height 35 mm.
Including appropriate fastening material.



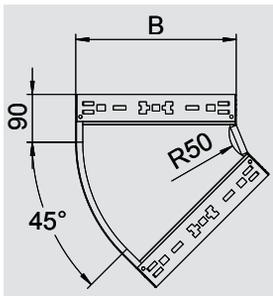
45° Magic bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 310 FS	100		1	40.800	**6041 00 0**
RBM 45 320 FS	200		1	74.500	**6041 00 2**
RBM 45 330 FS	300		1	84.400	**6041 00 4**

St Steel FS Strip-galvanised /pc.

45° bend with quick connector system. For all cable tray types of 35 mm side height.



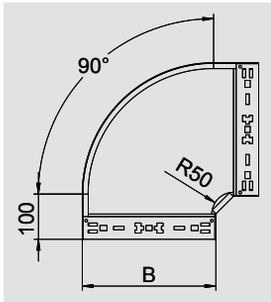
90° Magic bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 310 FS	100		1	53.700	**6041 01 0**
RBM 90 320 FS	200		1	106.200	**6041 01 2**
RBM 90 330 FS	300		1	173.000	**6041 01 4**

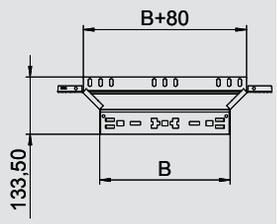
St Steel FS Strip-galvanised /pc.

90° bend with quick connector system. For all cable tray types of 35 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



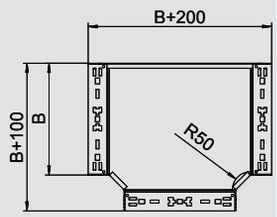
Magic add-on tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 310 FS	100		1	30.700	**6041 02 0**
RAAM 320 FS	200		1	43.400	**6041 02 2**
RAAM 330 FS	300		1	56.300	**6041 02 4**

St Steel FS Strip-galvanised /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 35 mm side height.



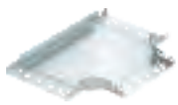


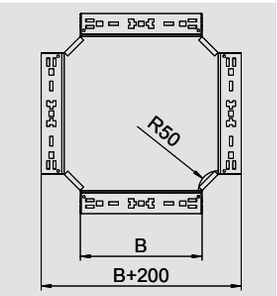
Magic Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 310 FS	100		1	69.400	**6041 03 0**
RTM 320 FS	200		1	134.000	**6041 03 2**
RTM 330 FS	300		1	216.600	**6041 03 4**

St Steel FS Strip-galvanised /pc.

T branch piece with quick connector system. For all cable tray types of 35 mm side height.



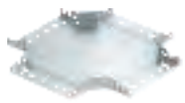


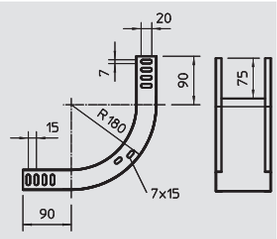
Magic cross-over

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 310 FS	100		1	78.700	**7027 24 1**
RKM 320 FS	200		1	146.300	**7027 24 3**
RKM 330 FS	300		1	231.600	**7027 24 5**

St Steel FS Strip-galvanised /pc.

Intersection with quick connector system. For all cable tray types of 35 mm side height.





90° vertical bend, rising

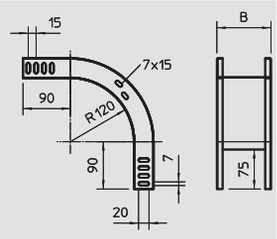
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 305 S FS	50	1		1	45.000	**7007 17 0**
RBV 310 S FS	100	1		1	56.000	**7007 17 4**
RBV 315 S FS	150	1		1	66.900	**7007 17 8**
RBV 320 S FS	200	1		1	77.900	**7007 18 2**
RBV 330 S FS	300	1		1	199.700	**7007 18 6**

St Steel FS Strip-galvanised /pc.

90° rising vertical bend, for all cable tray types of 35 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight. Fastening materials should be ordered separately.





90° vertical bend, falling

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 305 F FS	50	1		1	42.900	**7007 20 0**
RBV 310 F FS	100	1		1	51.700	**7007 20 4**
RBV 315 F FS	150	1		1	60.500	**7007 20 8**
RBV 320 F FS	200	1		1	69.300	**7007 21 2**
RBV 330 F FS	300	1		1	86.900	**7007 21 6**

St Steel FS Strip-galvanised /pc.

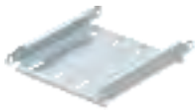
90° vertical bend, falling, for all cable tray types of 35 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight. Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 35



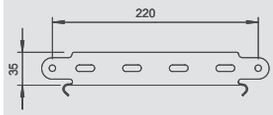
Adjustable vertical bend element

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBEV 305 FS	50		1	28.700	**7005 00 8**
RGBEV 310 FS	100		1	38.400	**7005 02 4**
RGBEV 315 FS	150		1	45.000	**7005 01 6**
RGBEV 320 FS	200		1	58.800	**7005 04 0**
RGBEV 330 FS	300		1	79.100	**7005 06 7**

St Steel FS Strip-galvanised /pc.

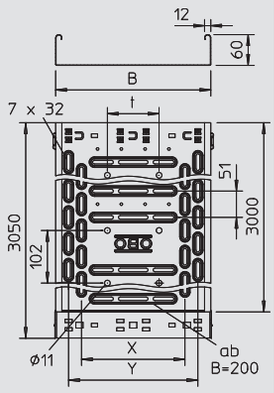
Adjustable vertical bend element, for all cable tray types with a side height of 35 mm.

No additional connectors or joint plates required. Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cable tray RKS-Magic®



Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension t	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
RKSM 610 FS	100	0.75	3,050	58	–	50	–	0.9	0.5	0.4	134.300	**6047 61 1**
RKSM 615 FS	150	0.75	3,050	88	50	100	–	1	0.55	0.4	157.700	**6047 63 0**
RKSM 620 FS	200	0.75	3,050	118	100	150	–	1	0.55	0.4	183.000	**6047 63 8**
RKSM 630 FS	300	0.75	3,050	178	200	250	100	1	0.55	0.4	239.000	**6047 65 4**
RKSM 640 FS	400	0.9	3,050	238	300	350	200	1.35	0.8	0.6	331.300	**6047 68 9**
RKSM 650 FS	500	0.9	3,050	298	400	450	300	1.35	0.8	0.6	392.300	**6047 71 9**
RKSM 660 FS	600	0.9	3,050	358	450	550	400	1.35	0.8	0.6	453.330	**6047 73 5**
RKSM 610 FT	100	0.75	3,050	58	–	50	–	0.9	0.5	0.4	175.340	**6047 61 2**
RKSM 615 FT	150	0.75	3,050	88	50	100	–	1	0.55	0.4	221.670	**6047 63 1**
RKSM 620 FT	200	0.75	3,050	118	100	150	–	1	0.55	0.4	245.670	**6047 63 9**
RKSM 630 FT	300	0.75	3,050	178	200	250	100	1	0.55	0.4	317.000	**6047 65 5**
RKSM 640 FT	400	0.9	3,050	238	300	350	200	1.35	0.8	0.6	426.340	**6047 69 0**
RKSM 650 FT	500	0.9	3,050	298	400	450	300	1.35	0.8	0.6	514.340	**6047 72 0**
RKSM 660 FT	600	0.9	3,050	358	450	550	400	1.35	0.8	0.6	628.000	**6047 73 6**

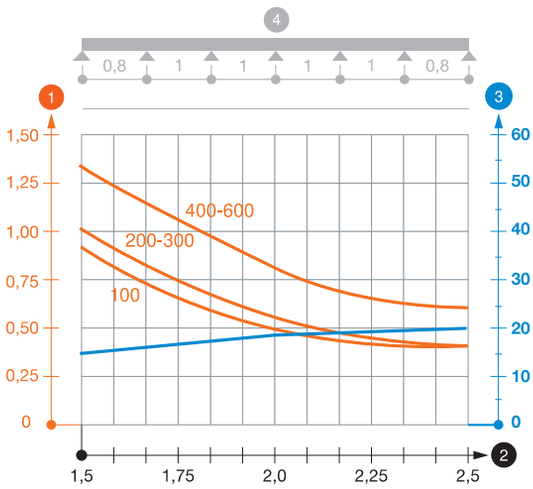
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

RKSM 60 = efficient magic cable tray system with 60 mm side height.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 20 mm, for bracket mounting and, from the width 200 mm, with 7 x 32 mm transverse beading for cable ventilation and simplified mounting. With 11 mm perforation for direct threaded rod suspension. Continuous side perforation, 7 x 20 mm, as connector perforation.
The stock length is 60 mm, the usable length when combined is 60 mm.
The spring element FED 60 can be ordered separately as a accessory part (spare) for the cable tray RKS-Magic with a side height of 60 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE and function maintenance (DIN 4102 Part 12) tested cable tray system.

Load diagram, cable tray, type RKSM 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 60

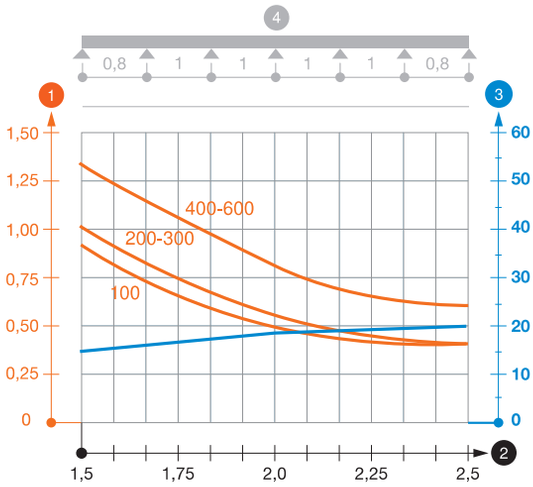
Cable tray RKS-Magic®, pure white



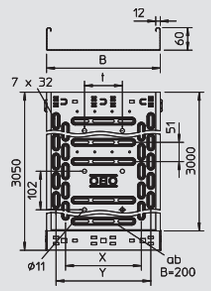
Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension t	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
RKSM 610 FSK RW	100	0.75	3,050	58	–	50	–	0.9	0.5	0.4	146.300	**6048 25 1**
RKSM 620 FSK RW	200	0.75	3,050	118	100	150	–	1	0.55	0.4	200.000	**6048 25 5**
RKSM 630 FSK RW	300	0.75	3,050	178	200	250	300	1	0.55	0.4	244.000	**6048 25 7**
RKSM 640 FSK RW	400	0.9	3,050	238	300	350	200	1.35	0.8	0.6	356.000	**6048 25 9**
RKSM 650 FSK RW	500	0.9	3,050	298	400	450	300	1.35	0.8	0.6	399.300	**6048 26 1**
RKSM 660 FSK RW	600	0.9	3,050	358	450	550	400	1.35	0.8	0.6	461.300	**6048 26 3**

St Steel FSK Strip galvanised/powder-coated /m

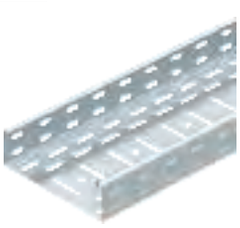
RKSM 60 = efficient magic cable tray system with 60 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
The cable tray's surface is strip-galvanised and visible areas are powder-coated in white (RAL 9010).



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Cable tray RKS 60

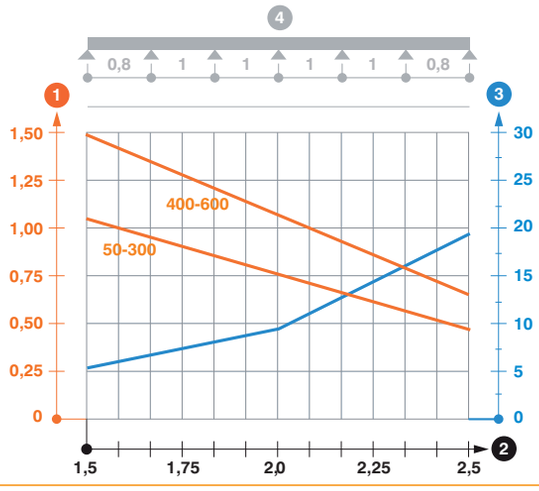


Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
RKS 605 FS	50	0.75	3,000	30	–	–	1.1	0.75	0.4	105.000	**6055 88 5**

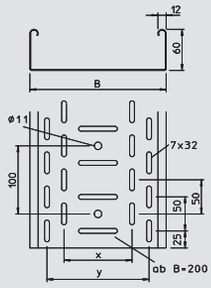
St Steel FS Strip-galvanised /m

RKS 60 = Rational cable tray system with 60 mm side height (unbeaded base plate).
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Including RV 60 longitudinal connector set.
The cable tray is fixed to the bracket with bolts, type FRS M6 x 12.

Load diagram, cable tray, type RKS 60, unbeaded



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Barrier strip



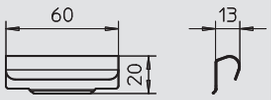
Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 60 FS	60	3,000		3	55.700	**6062 06 8**
TSG 60 DD	60	3,000		3	55.700	**6062 32 7**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



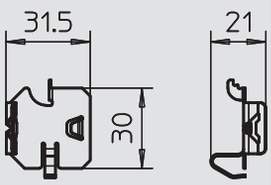
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KR VA4310		30	0.580	**6062 28 0**

V2A Stainless steel, grade 301 /100 pc.

Clamping piece for screwless fastening of barrier strips in the cable tray types RKSM, MKS and SKS.



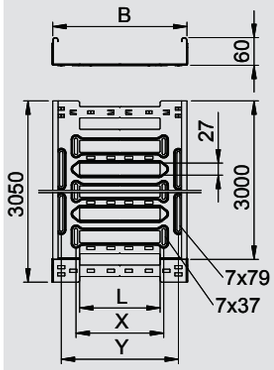
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray MKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
MKSM 610 FS	100	1	3,050	58	–	62	30	1.6	1.1	0.7	165.000	**6059 00 0**
MKSM 615 FS	150	1	3,050	88	46	112	30	1.6	1.1	0.7	201.000	**6059 00 2**
MKSM 620 FS	200	1	3,050	118	96	162	80	1.5	1.1	0.7	219.340	**6059 00 4**
MKSM 630 FS	300	1	3,050	178	196	262	180	1.5	1	0.7	256.720	**6059 00 6**
MKSM 640 FS	400	1	3,050	238	296	362	280	1.5	1	0.7	294.000	**6059 00 8**
MKSM 650 FS	500	1	3,050	298	396	462	380	1.5	1	0.7	331.500	**6059 01 0**
MKSM 660 FS	600	1	3,050	358	496	562	480	1.5	1	0.7	368.850	**6059 01 2**
MKSM 610 FT	100	1	3,050	58	–	62	30	1.6	1.1	0.7	180.000	**6059 01 8**
MKSM 615 FT	150	1	3,050	88	46	112	30	1.6	1.1	0.7	219.000	**6059 02 0**
MKSM 620 FT	200	1	3,050	118	96	162	80	1.5	1.1	0.7	239.340	**6059 02 2**
MKSM 630 FT	300	1	3,050	178	196	262	180	1.5	1	0.7	280.000	**6059 02 5**
MKSM 640 FT	400	1	3,050	238	296	362	280	1.5	1	0.7	320.650	**6059 02 7**
MKSM 650 FT	500	1	3,050	298	396	462	380	1.5	1	0.7	361.300	**6059 02 9**
MKSM 660 FT	600	1	3,050	358	496	562	480	1.5	1	0.7	402.290	**6059 03 2**

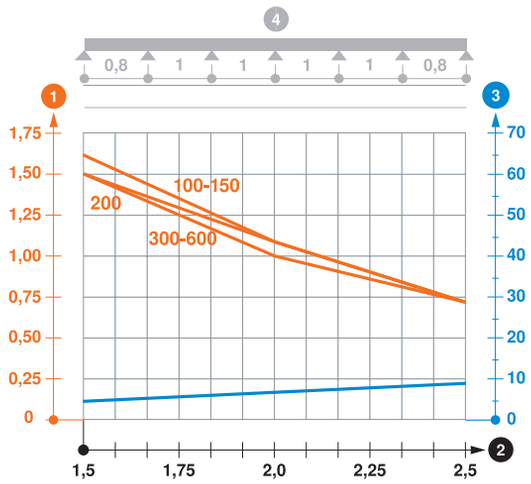
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSM 60 = Medium-duty Magic cable tray system with a side height of 60 mm.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

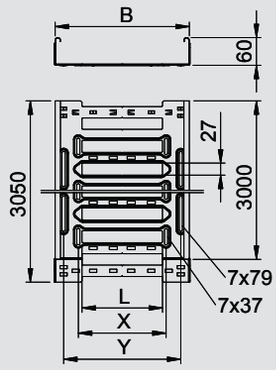
Load diagram, cable tray, type MKSM 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray SKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
SKSM 610 FS	100	1.5	3,050	58	–	62	30	3	2.25	1	247.540	**6059 45 6**
SKSM 615 FS	150	1.5	3,050	88	46	112	30	3	2.25	1	301.630	**6059 45 8**
SKSM 620 FS	200	1.5	3,050	118	96	162	80	3	2.25	1	329.180	**6059 46 0**
SKSM 630 FS	300	1.5	3,050	178	196	262	180	2.7	2.1	0.8	385.240	**6059 46 2**
SKSM 640 FS	400	1.5	3,050	238	296	362	280	2.7	2.1	0.8	441.310	**6059 46 4**
SKSM 650 FS	500	1.5	3,050	298	396	462	380	2.6	1.8	0.8	497.370	**6059 46 6**
SKSM 660 FS	600	1.5	3,050	358	496	562	480	2.6	1.8	0.8	553.440	**6059 46 8**
SKSM 610 FT	100	1.5	3,050	58	–	62	30	3	2.25	1	269.830	**6059 47 3**
SKSM 615 FT	150	1.5	3,050	88	46	112	30	3	2.25	1	328.850	**6059 47 5**
SKSM 620 FT	200	1.5	3,050	118	96	162	80	3	2.25	1	359.000	**6059 47 7**
SKSM 630 FT	300	1.5	3,050	178	196	262	180	2.7	2.1	0.8	420.000	**6059 47 9**
SKSM 640 FT	400	1.5	3,050	238	296	362	280	2.7	2.1	0.8	481.310	**6059 48 1**
SKSM 650 FT	500	1.5	3,050	298	396	462	380	2.6	1.8	0.8	542.290	**6059 48 3**
SKSM 660 FT	600	1.5	3,050	358	496	562	480	2.6	1.8	0.8	603.600	**6059 48 5**

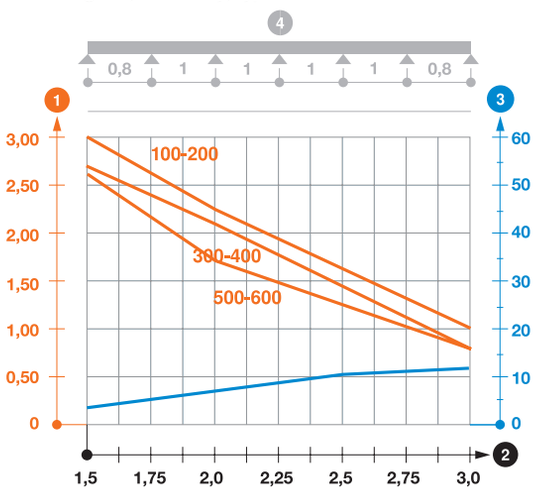
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



SKSM 60 = Heavy-duty Magic cable tray system with 60 mm side height.

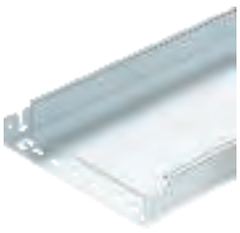
Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type SKSM 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

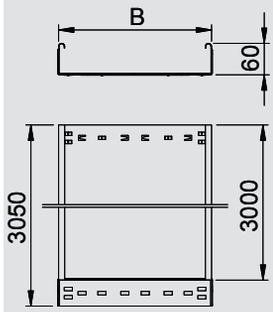
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray MKS-Magic®, unperforated

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
MKSMU 610 FS	100	1	3,050	58	1.5	1	0.5	191.140	**6059 23 0**
MKSMU 615 FS	150	1	3,050	88	1.5	1	0.5	230.500	**6059 23 2**
MKSMU 620 FS	200	1	3,050	118	1.5	1	0.5	269.840	**6059 23 4**
MKSMU 630 FS	300	1	3,050	178	1.5	1	0.5	348.200	**6059 23 7**
MKSMU 640 FS	400	1	3,050	238	1.5	1	0.5	426.550	**6059 23 9**
MKSMU 650 FS	500	1	3,050	298	1.5	1	0.5	505.250	**6059 24 1**
MKSMU 660 FS	600	1	3,050	358	1.5	1	0.5	583.600	**6059 24 3**
MKSMU 610 FT	100	1	3,050	58	1.5	1	0.5	208.500	**6059 24 8**
MKSMU 615 FT	150	1	3,050	88	1.5	1	0.5	251.500	**6059 25 0**
MKSMU 620 FT	200	1	3,050	118	1.5	1	0.5	294.100	**6059 25 2**
MKSMU 630 FT	300	1	3,050	178	1.5	1	0.5	379.670	**6059 25 4**
MKSMU 640 FT	400	1	3,050	238	1.5	1	0.5	465.240	**6059 25 6**
MKSMU 650 FT	500	1	3,050	298	1.5	1	0.5	550.800	**6059 25 8**
MKSMU 660 FT	600	1	3,050	358	1.5	1	0.5	636.390	**6059 26 0**

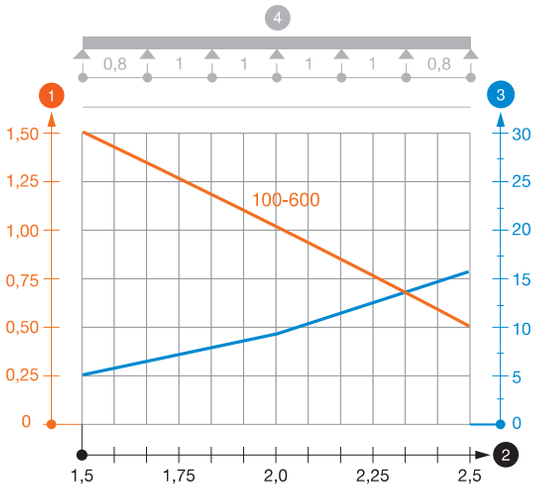
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSMU 60 = Medium-duty Magic cable tray system, unperforated, with a side height of 60 mm.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

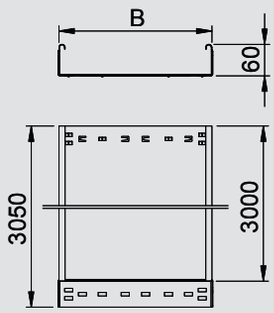
Load diagram, cable tray, type MKSMU 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray SKS-Magic®, unperforated



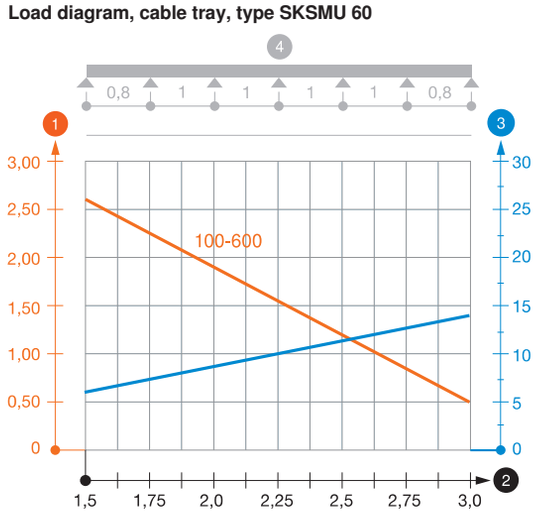
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
SKSMU 610 FS	100	1.5	3,050	58	2.6	1.9	0.55	286.880	**6059 68 8**
SKSMU 615 FS	150	1.5	3,050	88	2.6	1.9	0.55	345.900	**6059 69 0**
SKSMU 620 FS	200	1.5	3,050	118	2.6	1.9	0.55	404.590	**6059 69 2**
SKSMU 630 FS	300	1.5	3,050	178	2.6	1.9	0.55	522.290	**6059 69 4**
SKSMU 640 FS	400	1.5	3,050	238	2.6	1.9	0.55	640.000	**6059 69 6**
SKSMU 650 FS	500	1.5	3,050	298	2.6	1.9	0.55	757.700	**6059 69 8**
SKSMU 660 FS	600	1.5	3,050	358	2.6	1.9	0.55	875.400	**6059 70 0**
SKSMU 610 FT	100	1.5	3,050	58	2.6	1.9	0.55	312.780	**6059 70 5**
SKSMU 615 FT	150	1.5	3,050	88	2.6	1.9	0.55	377.050	**6059 70 7**
SKSMU 620 FT	200	1.5	3,050	118	2.6	1.9	0.55	441.300	**6059 70 9**
SKSMU 630 FT	300	1.5	3,050	178	2.6	1.9	0.55	569.500	**6059 71 1**
SKSMU 640 FT	400	1.5	3,050	238	2.6	1.9	0.55	698.000	**6059 71 3**
SKSMU 650 FT	500	1.5	3,050	298	2.6	1.9	0.55	826.220	**6059 71 5**
SKSMU 660 FT	600	1.5	3,050	358	2.6	1.9	0.55	954.750	**6059 71 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

SKSMU 60 = Heavy-duty Magic cable tray system, unperforated, with 60 mm side height.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type SKSMU 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

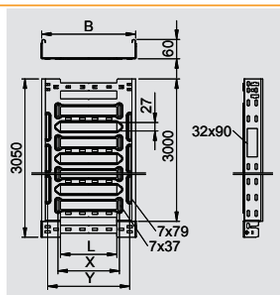
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable tray IKS-Magic®



Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
IKSM 610 FS	100	1	3,050	58	–	62	30	1.25	0.9	0.55	156.390	**6059 91 0**
IKSM 615 FS	150	1	3,050	88	46	112	30	1.25	0.9	0.55	192.450	**6059 91 2**
IKSM 620 FS	200	1	3,050	118	96	162	80	1.25	0.9	0.55	210.500	**6059 91 4**
IKSM 630 FS	300	1	3,050	178	196	262	180	1.05	0.85	0.55	247.860	**6059 91 6**
IKSM 640 FS	400	1	3,050	238	296	362	280	1.05	0.85	0.55	285.570	**6059 91 8**
IKSM 650 FS	500	1	3,050	298	396	462	380	0.75	0.65	0.65	322.620	**6059 92 0**
IKSM 660 FS	600	1	3,050	358	496	562	480	0.75	0.65	0.55	360.000	**6059 92 2**
IKSM 610 FT	100	1	3,050	58	–	62	30	1.25	0.9	0.55	170.490	**6059 92 7**
IKSM 615 FT	150	1	3,050	88	46	112	30	1.25	0.9	0.55	209.800	**6059 92 9**
IKSM 620 FT	200	1	3,050	118	96	162	80	1.25	0.9	0.55	229.500	**6059 93 1**
IKSM 630 FT	300	1	3,050	178	196	262	180	1.05	0.85	0.55	270.160	**6059 93 3**
IKSM 640 FT	400	1	3,050	238	296	362	280	1.05	0.85	0.55	311.470	**6059 93 5**
IKSM 650 FT	500	1	3,050	298	396	462	380	0.75	0.65	0.55	351.800	**6059 93 7**
IKSM 660 FT	600	1	3,050	358	496	562	480	0.75	0.65	0.55	392.450	**6059 93 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m



IKSM 60 = Magic installation cable tray system with 60 mm side height.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Offset side perforation every 300 mm.

Permeable cable tray system to VdS guideline 2092 with 30% hole surface for use under sprinkler systems.

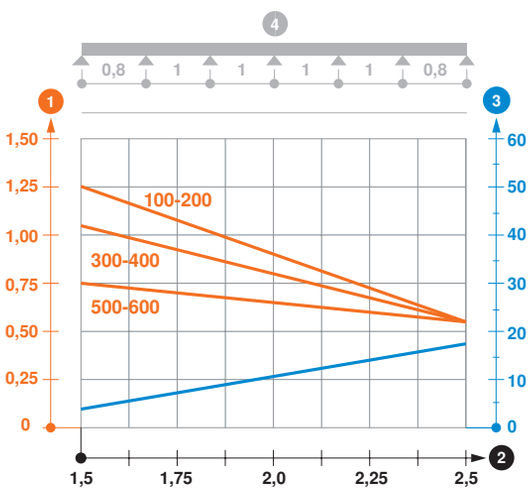
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.

The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.

The continuous equipotential bonding is guaranteed without additional components.

VDE-tested cable tray system.

Load diagram, cable tray, type IKSM 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

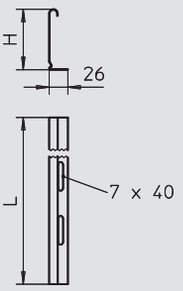
Barrier strip



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 60 FS	60	3,000	3	55.700	**6062 06 8**
TSG 60 DD	60	3,000	3	55.700	**6062 32 7**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



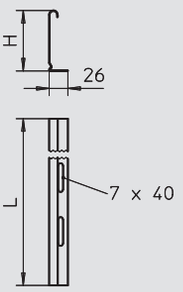
Barrier strip



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 45 FS	45	3,000	3	46.700	**6062 03 3**
TSG 45 DD	45	3,000	3	46.700	**6062 32 1**

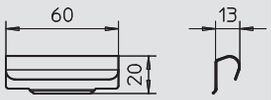
St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



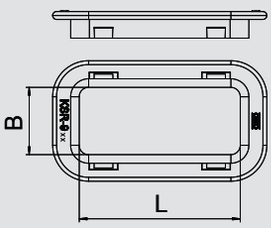
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





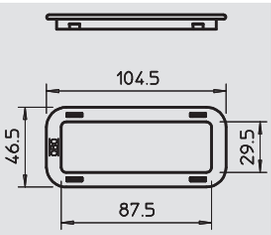
Cable protection ring

Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.





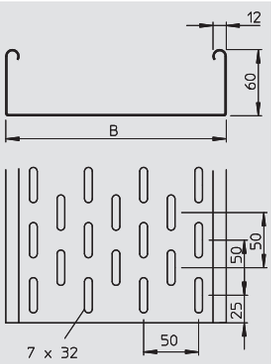
Cable protection ring

Type	Colour	For side perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-DR 920 PE	Light grey	32 x 90		25	0.640	**6087 96 5**

PE Polyethylene /pc.

Cable protection ring for side perforation in the side rails of the IKS cable tray.





Cable tray SKS

Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²	Appr. load: 1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	Weight kg/100 m	Item No.
SKS 610 FS	100	1.5	3,000	58	2.65	1.8	1.15	0.5	239.400	**6056 10 5**
SKS 615 FS	150	1.5	3,000	88	2.65	1.8	1.15	0.5	310.000	**6056 15 6**
SKS 620 FS	200	1.5	3,000	118	2.65	1.8	1.15	0.5	346.670	**6056 20 2**
SKS 630 FS	300	1.5	3,000	178	2.65	1.8	1.15	0.5	455.300	**6056 29 6**
SKS 640 FS	400	1.5	3,000	238	2.65	1.8	1.15	0.5	522.000	**6056 40 7**
SKS 650 FS	500	1.5	3,000	298	2.65	1.8	1.15	0.5	650.300	**6056 50 4**
SKS 660 FS	600	1.5	3,000	358	2.65	1.8	1.15	0.5	749.300	**6056 60 1**
SKS 610 FT	100	1.5	3,000	58	2.65	1.8	1.15	0.5	274.300	**6056 63 6**
SKS 615 FT	150	1.5	3,000	88	2.65	1.8	1.15	0.5	328.700	**6056 64 4**
SKS 620 FT	200	1.5	3,000	118	2.65	1.8	1.15	0.5	407.400	**6056 65 2**
SKS 630 FT	300	1.5	3,000	178	2.65	1.8	1.15	0.5	460.000	**6056 67 9**
SKS 640 FT	400	1.5	3,000	238	2.65	1.8	1.15	0.5	566.700	**6056 69 5**
SKS 650 FT	500	1.5	3,000	298	2.65	1.8	1.15	0.5	689.000	**6056 71 7**
SKS 660 FT	600	1.5	3,000	358	2.65	1.8	1.15	0.5	794.300	**6056 73 3**

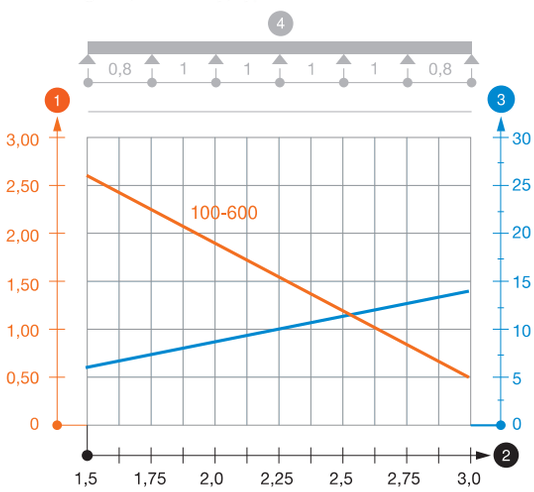
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

SKS 60 = heavy-duty cable tray system with 60 mm side height. FS version includes RV 60 straight connector set.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

The cable tray, type SKS, should also be used for function maintenance. For additional data, please refer to BSS fire protection systems.

Load diagram, cable tray, type SKS 60



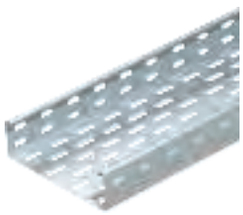
1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 60

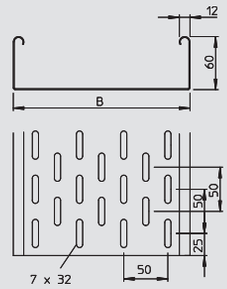
Cable tray EKS



Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²		Weight kg/100 m	Item No.
EKS 610 FS	100	2	3,000	58		350.000	**6056 14 8**
EKS 620 FS	200	2	3,000	118		482.000	**6056 22 9**
EKS 630 FS	300	2	3,000	178		608.000	**6056 32 6**
EKS 640 FS	400	2	3,000	238		764.000	**6056 42 3**
EKS 650 FS	500	2	3,000	298		852.000	**6056 52 0**
EKS 660 FS	600	2	3,000	358		1,003.000	**6056 62 8**
EKS 610 FT	100	2	3,000	58		367.000	**6056 77 6**
EKS 620 FT	200	2	3,000	118		507.000	**6056 79 2**
EKS 630 FT	300	2	3,000	178		640.000	**6056 80 6**
EKS 640 FT	400	2	3,000	238		804.000	**6056 97 0**
EKS 645 FT	450	2	3,000	268		850.000	**6056 97 8**
EKS 650 FT	500	2	3,000	298		897.000	**6056 98 9**
EKS 660 FT	600	2	3,000	358		1,038.330	**6056 99 7**
EKS 675 FT	750	2	3,000	445		1,244.330	**6056 99 6**
EKS 690 FT	900	2	3,000	535		1,448.330	**6056 99 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

EKS 60 = extra-heavy-duty cable tray system with 60 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Straight connectors should be ordered separately for all the versions.



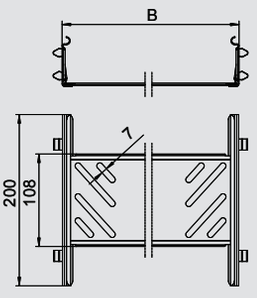
Magic straight connector set



Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 610 FS	60	100		1	30.500	**6068 91 4**
KTSMV 615 FS	60	150		1	34.900	**6068 91 6**
KTSMV 620 FS	60	200		1	37.200	**6068 91 8**
KTSMV 630 FS	60	300		1	44.000	**6068 92 0**
KTSMV 640 FS	60	400		1	50.700	**6068 92 2**
KTSMV 650 FS	60	500		1	57.400	**6068 92 4**
KTSMV 660 FS	60	600		1	64.200	**6068 92 6**
KTSMV 610 DD	60	100		1	30.500	**6068 93 6**
KTSMV 615 DD	60	150		1	34.900	**6068 93 8**
KTSMV 620 DD	60	200		1	37.200	**6068 94 0**
KTSMV 630 DD	60	300		1	44.000	**6068 94 2**
KTSMV 640 DD	60	400		1	50.700	**6068 94 4**
KTSMV 650 DD	60	500		1	57.400	**6068 94 6**
KTSMV 660 DD	60	600		1	64.200	**6068 94 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays with a side height of 60 mm.
The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



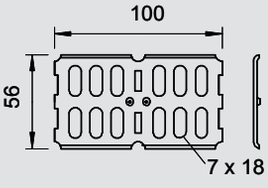
Straight connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RLVK 60 FS	60		10	9.200	**6067 09 3**
RLVK 60 FT	60		10	10.700	**6067 60 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.



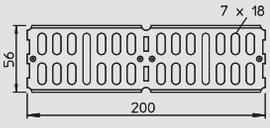
Angle connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWVL 60 FS	60		10	15.600	**6067 11 5**
RWVL 60 FT	60		10	17.400	**6067 61 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

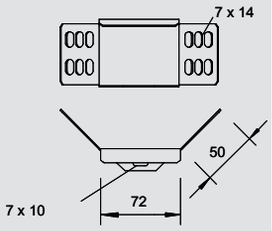
Straight and angle connector for cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Angle connector



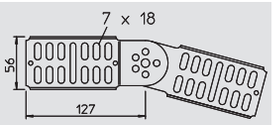
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WKV 60 FS	60		5	13.000	6043 06 2
WKV 60 FT	60		5	14.000	6042 91 0

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Angle connector for cable trays with a side height of 60 mm.
Including appropriate fastening material.



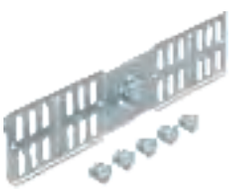
Adjustable connector



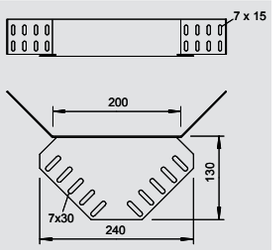
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 60 FS	60		10	24.000	7082 01 0
RGV 60 FT	60		10	24.000	7082 22 3

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for cable trays with a side height of 60 mm.
Including appropriate fastening material.



Corner connector



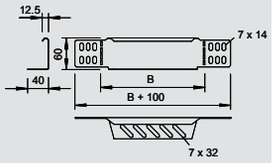
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
REV 60 FS	60		10	50.000	6067 97 2
REV 60 DD	60		10	50.000	6069 41 0

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Corner connector for cable trays with side height 60 mm.
Fastening materials should be ordered separately.



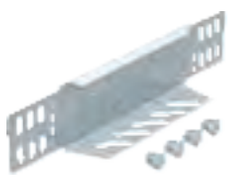
Reducer / stop-end



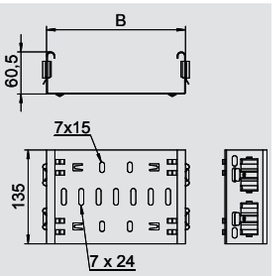
Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 610 FS	60	100		1	8.800	7109 10 5
RWEB 615 FS	60	150		1	13.600	7109 15 6
RWEB 620 FS	60	200		1	17.600	7109 20 2
RWEB 630 FS	60	300		1	25.600	7109 29 6
RWEB 640 FS	60	400		1	33.500	7109 40 7
RWEB 650 FS	60	500		1	41.500	7109 50 4
RWEB 660 FS	60	600		1	49.500	7109 60 1
RWEB 605 DD	60	50		1	6.000	7107 14 5
RWEB 610 DD	60	100		1	8.600	7106 10 6
RWEB 615 DD	60	150		1	13.400	7106 11 0
RWEB 620 DD	60	200		1	17.500	7106 11 4
RWEB 630 DD	60	300		1	25.400	7106 11 8
RWEB 640 DD	60	400		1	33.000	7106 12 2
RWEB 645 DD	60	450		1	37.000	7106 12 4
RWEB 650 DD	60	500		1	41.300	7106 12 6
RWEB 660 DD	60	600		1	49.200	7106 13 0
RWEB 675 DD	60	750		1	61.000	7106 13 6

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Reducer / stop-end for cable trays with side height 60 mm.
Including appropriate fastening material.



Magic straight connector



Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FVM 610 DD	60	100		1	31.900	6065 71 0
FVM 615 DD	60	150		1	37.900	6065 71 2
FVM 620 DD	60	200		1	44.000	6065 71 4
FVM 630 DD	60	300		1	57.000	6065 71 6
FVM 640 DD	60	400		1	69.400	6065 71 8
FVM 650 DD	60	500		1	82.000	6065 72 0
FVM 660 DD	60	600		1	94.600	6065 72 2

St Steel DD Zinc-aluminium coated, double-dip /pc.

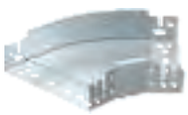
Magic straight connector for direct and screwless joining of Magic fittings with a side height of 60 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 60

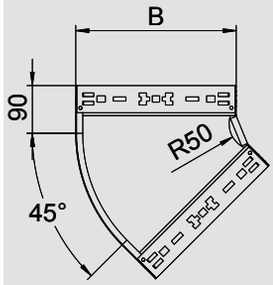
45° Magic bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 610 FS	100		1	50.400	**6041 04 0**
RBM 45 615 FS	150		1	67.300	**6041 04 2**
RBM 45 620 FS	200		1	86.000	**6041 04 4**
RBM 45 630 FS	300		1	128.300	**6041 04 6**
RBM 45 640 FS	400		1	174.800	**6041 04 8**
RBM 45 650 FS	500		1	232.700	**6041 05 0**
RBM 45 660 FS	600		1	298.300	**6041 05 2**
RBM 45 610 FT	100		1	54.000	**6041 06 0**
RBM 45 615 FT	150		1	72.200	**6041 06 2**
RBM 45 620 FT	200		1	92.200	**6041 06 4**
RBM 45 630 FT	300		1	137.600	**6041 06 6**
RBM 45 640 FT	400		1	187.400	**6041 06 8**
RBM 45 650 FT	500		1	249.500	**6041 07 0**
RBM 45 660 FT	600		1	319.900	**6041 07 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° bend with quick connector system. For all cable tray types of 60 mm side height.



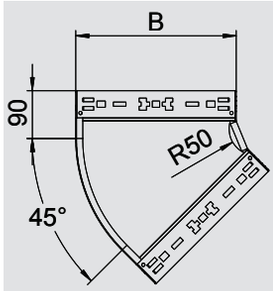
45° Magic bend, pure white



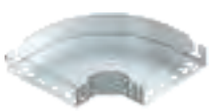
Type	Width mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM45 610 FSK RW	100	Pure white		1	51.400	**6042 74 0**
RBM45 620 FSK RW	200	Pure white		1	87.700	**6042 74 4**
RBM45 630 FSK RW	300	Pure white		1	129.900	**6042 74 6**
RBM45 640 FSK RW	400	Pure white		1	178.200	**6042 74 8**
RBM45 650 FSK RW	500	Pure white		1	237.300	**6042 75 0**
RBM45 660 FSK RW	600	Pure white		1	304.200	**6042 75 2**

St Steel FSK Strip galvanised/powder-coated /pc.

45° bend with quick connector system. For all cable tray types of 60 mm side height.



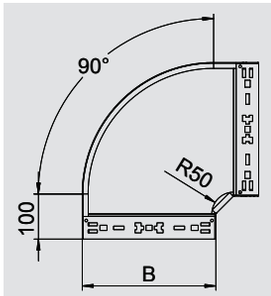
90° Magic bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 610 FS	100		1	65.700	**6041 13 0**
RBM 90 615 FS	150		1	92.000	**6041 13 2**
RBM 90 620 FS	200		1	122.100	**6041 13 4**
RBM 90 630 FS	300		1	192.800	**6041 13 6**
RBM 90 640 FS	400		1	275.400	**6041 13 8**
RBM 90 650 FS	500		1	377.200	**6041 14 0**
RBM 90 660 FS	600		1	494.300	**6041 14 2**
RBM 90 610 FT	100		1	70.500	**6041 15 0**
RBM 90 615 FT	150		1	98.700	**6041 15 2**
RBM 90 620 FT	200		1	130.900	**6041 15 4**
RBM 90 630 FT	300		1	206.800	**6041 15 6**
RBM 90 640 FT	400		1	295.300	**6041 15 8**
RBM 90 650 FT	500		1	404.500	**6041 16 0**
RBM 90 660 FT	600		1	530.100	**6041 16 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend with quick connector system. For all cable tray types of 60 mm side height.



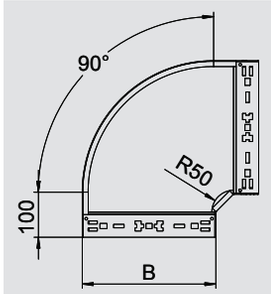
90° Magic bend, pure white



Type	Width mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM90 610 FSK RW	100	Pure white		1	67.000	**6042 76 0**
RBM90 620 FSK RW	200	Pure white		1	124.500	**6042 76 4**
RBM90 630 FSK RW	300	Pure white		1	196.600	**6042 76 6**
RBM90 640 FSK RW	400	Pure white		1	280.900	**6042 76 8**
RBM90 650 FSK RW	500	Pure white		1	384.700	**6042 77 0**
RBM90 660 FSK RW	600	Pure white		1	504.000	**6042 77 2**

St Steel FSK Strip galvanised/powder-coated /pc.

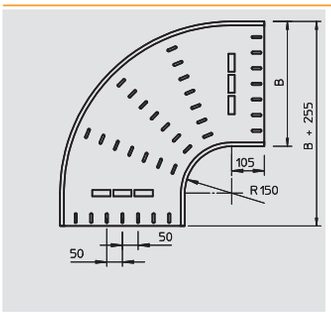
90° bend with quick connector system. For all cable tray types of 60 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

90° Bend



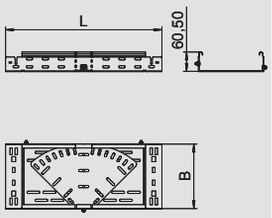


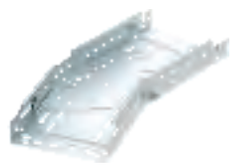
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 645 FT	450		1	703.000	**7125 46 1**
RB 90 675 FT	750		1	1,242.000	**7125 58 6**
RB 90 690 FT	900		1	1,647.000	**7125 58 8**

St Steel FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable tray types of 60 mm side height.
Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

Magic bend, variable



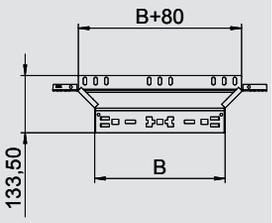


Type	Width mm	Side height mm	Plate thickness mm		Pack. pcs	Item No.
RBMV 610 FS	100	60	1		1	**6040 48 0**
RBMV 615 FS	150	60	1		1	**6040 48 2**
RBMV 620 FS	200	60	1		1	**6040 48 4**
RBMV 630 FS	300	60	1.25		1	**6040 48 6**
RBMV 640 FS	400	60	1.25		1	**6040 48 8**
RBMV 650 FS	500	60	1.5		1	**6040 49 0**
RBMV 660 FS	600	60	1.5		1	**6040 49 2**
RBMV 610 FT	100	60	1		1	**6040 50 0**
RBMV 615 FT	150	60	1		1	**6040 50 2**
RBMV 620 FT	200	60	1		1	**6040 50 4**
RBMV 630 FT	300	60	1.25		1	**6040 50 6**
RBMV 640 FT	400	60	1.25		1	**6040 50 8**
RBMV 650 FT	500	60	1.5		1	**6040 51 0**
RBMV 660 FT	600	60	1.5		1	**6040 51 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 60 mm side height.

Magic add-on tee



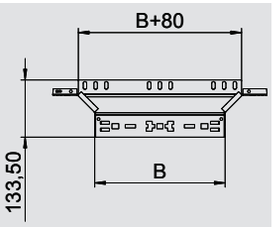


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 610 FS	100		1	37.900	**6041 23 0**
RAAM 615 FS	150		1	44.300	**6041 23 2**
RAAM 620 FS	200		1	50.600	**6041 23 4**
RAAM 630 FS	300		1	63.500	**6041 23 6**
RAAM 640 FS	400		1	76.500	**6041 23 8**
RAAM 650 FS	500		1	89.300	**6041 24 0**
RAAM 660 FS	600		1	102.700	**6041 24 2**
RAAM 610 FT	100		1	40.600	**6041 25 0**
RAAM 615 FT	150		1	47.500	**6041 25 2**
RAAM 620 FT	200		1	54.300	**6041 25 4**
RAAM 630 FT	300		1	68.100	**6041 25 7**
RAAM 640 FT	400		1	82.000	**6041 25 9**
RAAM 650 FT	500		1	105.400	**6041 26 1**
RAAM 660 FT	600		1	110.100	**6041 26 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 60 mm side height.

Magic add-on tee, pure white





Type	Width mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 610 FSK RW	100	Pure white		1	38.600	**6042 78 0**
RAAM 620 FSK RW	200	Pure white		1	51.600	**6042 78 4**
RAAM 630 FSK RW	300	Pure white		1	64.770	**6042 78 6**
RAAM 640 FSK RW	400	Pure white		1	78.000	**6042 78 8**
RAAM 650 FSK RW	500	Pure white		1	91.300	**6042 79 0**
RAAM 660 FSK RW	600	Pure white		1	104.700	**6042 79 2**

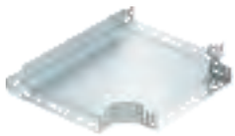
St Steel FSK Strip galvanised/powder-coated /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 60 mm side height.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 60

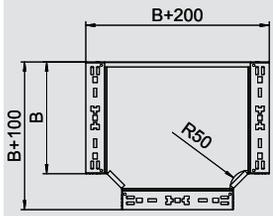
Magic Tee



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 610 FS	100		1	83.600	**6041 32 0**
RTM 615 FS	150		1	114.700	**6041 32 2**
RTM 620 FS	200		1	150.600	**6041 32 4**
RTM 630 FS	300		1	235.700	**6041 32 6**
RTM 640 FS	400		1	335.600	**6041 32 8**
RTM 650 FS	500		1	460.500	**6041 33 0**
RTM 660 FS	600		1	605.000	**6041 33 2**
RTM 610 FT	100		1	89.600	**6041 34 0**
RTM 615 FT	150		1	123.000	**6041 34 2**
RTM 620 FT	200		1	161.500	**6041 34 4**
RTM 630 FT	300		1	252.800	**6041 34 8**
RTM 640 FT	400		1	359.900	**6041 35 0**
RTM 650 FT	500		1	493.800	**6041 35 2**
RTM 660 FT	600		1	648.800	**6041 35 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

T branch piece with quick connector system. For all cable tray types of 60 mm side height.



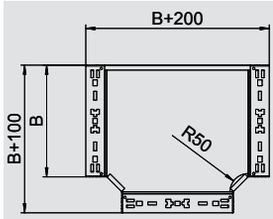
Magic Tee, pure white



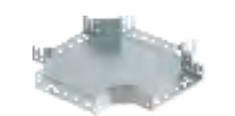
Type	Width mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 610 FSK RW	100	Pure white		1	85.300	**6042 80 0**
RTM 620 FSK RW	200	Pure white		1	153.600	**6042 80 4**
RTM 630 FSK RW	300	Pure white		1	240.400	**6042 80 6**
RTM 640 FSK RW	400	Pure white		1	342.300	**6042 80 8**
RTM 650 FSK RW	500	Pure white		1	469.700	**6042 81 0**
RTM 660 FSK RW	600	Pure white		1	617.100	**6042 81 2**

St Steel FSK Strip galvanised/powder-coated /pc.

T branch piece with quick connector system. For all cable tray types of 60 mm side height.



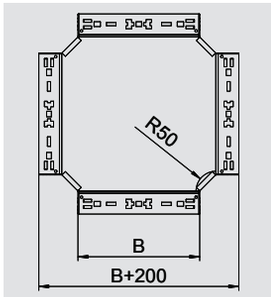
Magic cross-over



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 610 FS	100		1	93.200	**7027 00 1**
RKM 615 FS	150		1	124.600	**7027 00 3**
RKM 620 FS	200		1	160.800	**7027 00 5**
RKM 630 FS	300		1	246.100	**7027 00 7**
RKM 640 FS	400		1	343.400	**7027 00 9**
RKM 650 FS	500		1	468.300	**7027 01 1**
RKM 660 FS	600		1	612.800	**7027 01 3**
RKM 610 FT	100		1	99.900	**7027 02 1**
RKM 615 FT	150		1	133.600	**7027 02 3**
RKM 620 FT	200		1	172.400	**7027 02 5**
RKM 630 FT	300		1	263.900	**7027 02 7**
RKM 640 FT	400		1	368.200	**7027 02 9**
RKM 650 FT	500		1	502.200	**7027 03 1**
RKM 660 FT	600		1	657.100	**7027 03 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Intersection with quick connector system. For all cable tray types of 60 mm side height.



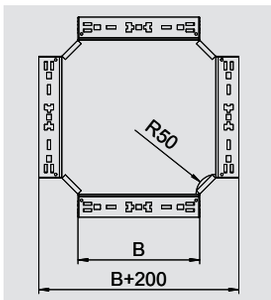
Magic cross-over, pure white



Type	Width mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 610 FSK RW	100	Pure white		1	95.000	**6042 82 0**
RKM 620 FSK RW	200	Pure white		1	164.000	**6042 82 4**
RKM 630 FSK RW	300	Pure white		1	251.000	**6042 82 6**
RKM 640 FSK RW	400	Pure white		1	350.200	**6042 82 8**
RKM 650 FSK RW	500	Pure white		1	477.600	**6042 83 0**
RKM 660 FSK RW	600	Pure white		1	625.000	**6042 83 2**

St Steel FSK Strip galvanised/powder-coated /pc.

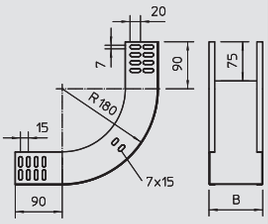
Intersection with quick connector system. For all cable tray types of 60 mm side height.

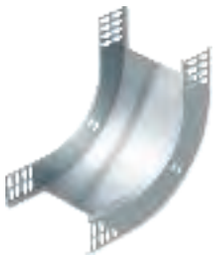


04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

90° vertical bend, rising





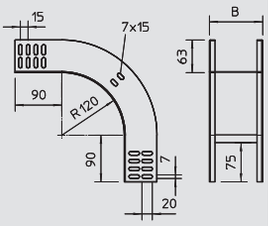
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 605 S FS	50	1		1	50.000	**7007 00 1**
RBV 610 S FS	100	1		1	66.000	**7007 00 5**
RBV 615 S FS	150	1		1	78.000	**7007 00 9**
RBV 620 S FS	200	1		1	95.000	**7007 01 3**
RBV 630 S FS	300	1		1	124.000	**7007 01 7**
RBV 640 S FS	400	1		1	153.000	**7007 02 1**
RBV 650 S FS	500	1		1	181.000	**7007 02 5**
RBV 660 S FS	600	1		1	210.000	**7007 02 9**
RBV 605 S FT	50	1		1	54.000	**7007 00 2**
RBV 610 S FT	100	1		1	71.000	**7007 00 6**
RBV 615 S FT	150	1		1	84.000	**7007 01 0**
RBV 620 S FT	200	1		1	103.000	**7007 01 4**
RBV 630 S FT	300	1		1	134.000	**7007 01 8**
RBV 640 S FT	400	1		1	163.000	**7007 02 2**
RBV 650 S FT	500	1		1	190.000	**7007 02 6**
RBV 660 S FT	600	1		1	221.000	**7007 03 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° rising vertical bend, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling





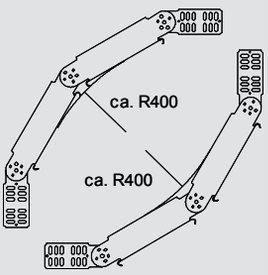
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 605 F FS	50	1		1	49.000	**7007 05 1**
RBV 610 F FS	100	1		1	61.000	**7007 05 5**
RBV 615 F FS	150	1		1	73.000	**7007 05 9**
RBV 620 F FS	200	1		1	84.000	**7007 06 3**
RBV 630 F FS	300	1		1	107.000	**7007 06 7**
RBV 640 F FS	400	1		1	130.000	**7007 07 1**
RBV 650 F FS	500	1		1	153.000	**7007 07 5**
RBV 660 F FS	600	1		1	176.000	**7007 07 9**
RBV 605 F FT	50	1		1	53.000	**7007 05 2**
RBV 610 F FT	100	1		1	66.000	**7007 05 6**
RBV 615 F FT	150	1		1	80.000	**7007 06 0**
RBV 620 F FT	200	1		1	92.000	**7007 06 4**
RBV 630 F FT	300	1		1	116.000	**7007 06 8**
RBV 640 F FT	400	1		1	142.000	**7007 07 2**
RBV 650 F FT	500	1		1	167.000	**7007 07 6**
RBV 660 F FT	600	1		1	192.000	**7007 08 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° vertical bend, falling, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° adjustable vertical bend





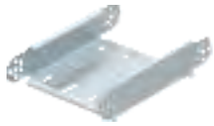
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBV 610 FS	100		1	171.600	**7006 32 2**
RGBV 615 FS	150		1	194.000	**7006 33 0**
RGBV 620 FS	200		1	219.000	**7006 34 9**
RGBV 630 FS	300		1	264.000	**7006 36 5**
RGBV 640 FS	400		1	311.000	**7006 38 1**
RGBV 650 FS	500		1	394.000	**7006 41 1**
RGBV 660 FS	600		1	448.000	**7006 44 6**
RGBV 610 FT	100		1	186.000	**7079 10 9**
RGBV 615 FT	150		1	194.800	**7079 14 1**
RGBV 620 FT	200		1	217.800	**7079 20 6**
RGBV 630 FT	300		1	264.600	**7079 30 3**
RGBV 640 FT	400		1	311.000	**7079 40 0**
RGBV 645 FT	450		1	344.000	**7079 45 1**
RGBV 650 FT	500		1	394.200	**7079 50 8**
RGBV 660 FT	600		1	404.000	**7079 60 5**
RGBV 675 FT	750		1	762.500	**7079 60 7**
RGBV 690 FT	900		1	878.500	**7079 60 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° adjustable vertical bend, for all cable tray types with a side height of 60 mm.

The bend is shipped in an unmounted state. No additional fastening materials are required.

Side height 60

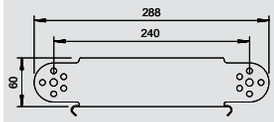


Adjustable vertical bend element

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBEV 610 FS	100		1	48.100	**7005 32 6**
RGBEV 615 FS	150		1	61.500	**7005 33 4**
RGBEV 620 FS	200		1	63.600	**7005 34 2**
RGBEV 630 FS	300		1	80.400	**7005 36 9**
RGBEV 640 FS	400		1	114.000	**7005 38 5**
RGBEV 650 FS	500		1	134.000	**7005 40 7**
RGBEV 660 FS	600		1	154.800	**7005 42 3**
RGBEV 610 FT	100		1	52.400	**7075 10 3**
RGBEV 615 FT	150		1	61.800	**7075 15 4**
RGBEV 620 FT	200		1	69.300	**7075 20 0**
RGBEV 630 FT	300		1	87.600	**7075 30 8**
RGBEV 640 FT	400		1	123.000	**7075 40 5**
RGBEV 650 FT	500		1	144.000	**7075 50 2**
RGBEV 660 FT	600		1	166.400	**7075 59 6**

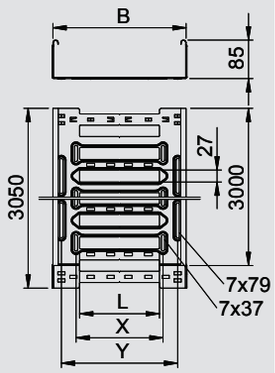
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable vertical bend element, for all cable tray types with a side height of 60 mm.
RGV 60 adjustable connectors should be ordered separately and in the appropriate quantity.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray MKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
MKSM 810 FS	100	1	3,050	83	–	62	30	1.7	1.35	1	200.000	**6059 08 0**
MKSM 815 FS	150	1	3,050	125	46	112	30	1.7	1.35	1	236.000	**6059 08 2**
MKSM 820 FS	200	1	3,050	186	96	162	80	1.7	1.35	1	254.750	**6059 08 4**
MKSM 830 FS	300	1	3,050	253	196	262	180	1.5	1.25	1	292.130	**6059 08 6**
MKSM 840 FS	400	1	3,050	338	296	362	280	1.5	1.25	1	329.500	**6059 08 8**
MKSM 850 FS	500	1	3,050	423	396	462	380	1.4	1.1	0.85	366.900	**6059 09 0**
MKSM 860 FS	600	1	3,050	508	496	562	480	1.4	1.1	0.85	403.930	**6059 09 2**
MKSM 810 FT	100	1	3,050	83	–	62	30	1.7	1.35	1	218.000	**6059 09 7**
MKSM 815 FT	150	1	3,050	125	46	112	30	1.7	1.35	1	257.370	**6059 09 9**
MKSM 820 FT	200	1	3,050	186	96	162	80	1.7	1.35	1	277.700	**6059 10 1**
MKSM 830 FT	300	1	3,050	253	196	262	180	1.5	1.25	1	318.700	**6059 10 3**
MKSM 840 FT	400	1	3,050	338	296	362	280	1.5	1.25	1	359.340	**6059 10 5**
MKSM 850 FT	500	1	3,050	423	396	462	380	1.4	1.1	0.85	400.000	**6059 10 7**
MKSM 860 FT	600	1	3,050	508	496	562	480	1.4	1.1	0.85	440.300	**6059 10 9**

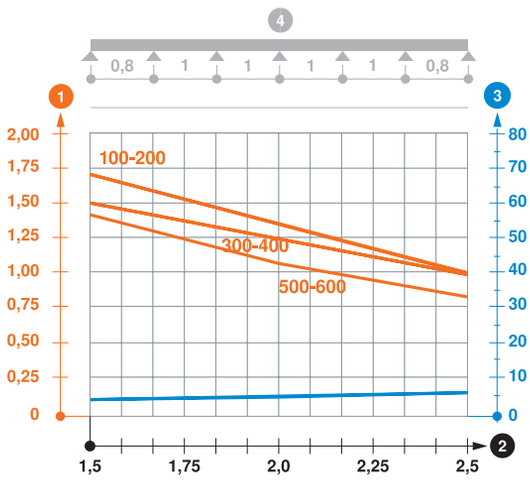
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSM 85 = medium-duty Magic cable tray system with a side height of 85 mm.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type MKSM 85



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

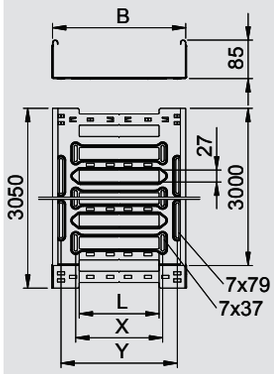
Side height 85



Cable tray SKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
SKSM 810 FS	100	1.5	3,050	83	–	62	30	3.4	2.7	1.5	300.000	**6059 53 0**
SKSM 815 FS	150	1.5	3,050	125	46	112	30	3.4	2.7	1.5	354.400	**6059 53 2**
SKSM 820 FS	200	1.5	3,050	186	96	162	80	3.4	2.7	1.5	381.960	**6059 53 4**
SKSM 830 FS	300	1.5	3,050	253	196	262	180	2.8	2.25	1.35	438.000	**6059 53 6**
SKSM 840 FS	400	1.5	3,050	338	296	362	280	2.8	2.25	1.35	494.100	**6059 53 8**
SKSM 850 FS	500	1.5	3,050	423	396	462	380	2.4	1.75	1.2	550.160	**6059 54 0**
SKSM 860 FS	600	1.5	3,050	508	496	562	480	2.4	1.75	1.2	605.900	**6059 54 2**
SKSM 810 FT	100	1.5	3,050	83	–	62	30	3.4	2.7	1.5	318.360	**6059 54 9**
SKSM 815 FT	150	1.5	3,050	125	46	112	30	3.4	2.7	1.5	375.730	**6059 55 1**
SKSM 820 FT	200	1.5	3,050	186	96	162	80	3.4	2.7	1.5	404.910	**6059 55 3**
SKSM 830 FT	300	1.5	3,050	253	196	262	180	2.8	2.25	1.35	464.590	**6059 55 5**
SKSM 840 FT	400	1.5	3,050	338	296	362	280	2.8	2.25	1.35	523.930	**6059 55 7**
SKSM 850 FT	500	1.5	3,050	423	396	462	380	2.4	1.75	1.2	583.270	**6059 55 9**
SKSM 860 FT	600	1.5	3,050	508	496	562	480	2.4	1.75	1.2	642.950	**6059 56 1**

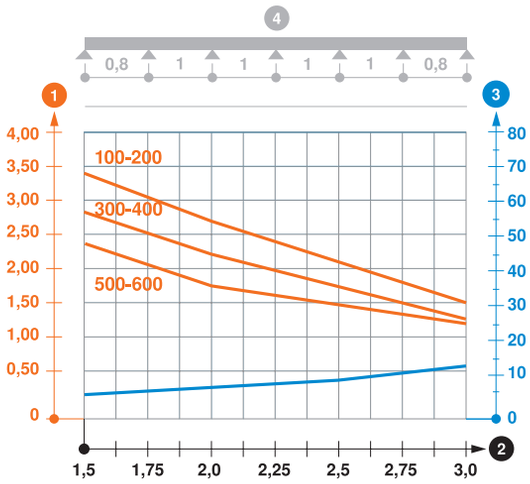
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



SKSM 85 = Heavy-duty Magic cable tray system with 85 mm side height.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

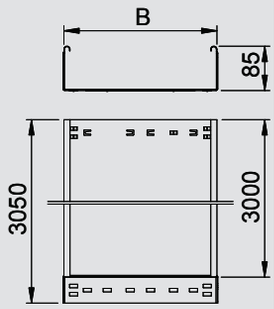
Load diagram, cable tray, type SKSM 85



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cable tray MKS-Magic®, unperforated

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
MKSMU 810 FS	100	1	3,050	83	1.75	1.1	0.5	230.160	**6059 30 8**
MKSMU 815 FS	150	1	3,050	125	1.75	1.1	0.5	269.500	**6059 31 0**
MKSMU 820 FS	200	1	3,050	186	1.75	1.1	0.5	308.800	**6059 31 2**
MKSMU 830 FS	300	1	3,050	253	1.75	1.1	0.5	387.200	**6059 31 4**
MKSMU 840 FS	400	1	3,050	338	1.75	1.1	0.5	465.570	**6059 31 6**
MKSMU 850 FS	500	1	3,050	423	1.75	1.1	0.5	544.260	**6059 31 8**
MKSMU 860 FS	600	1	3,050	508	1.75	1.1	0.5	622.900	**6059 32 0**
MKSMU 810 FT	100	1	3,050	83	1.75	1.1	0.5	251.140	**6059 32 5**
MKSMU 815 FT	150	1	3,050	125	1.75	1.1	0.5	293.770	**6059 32 7**
MKSMU 820 FT	200	1	3,050	186	1.75	1.1	0.5	336.720	**6059 32 9**
MKSMU 830 FT	300	1	3,050	253	1.75	1.1	0.5	422.290	**6059 33 1**
MKSMU 840 FT	400	1	3,050	338	1.75	1.1	0.5	507.500	**6059 33 3**
MKSMU 850 FT	500	1	3,050	423	1.75	1.1	0.5	593.440	**6059 33 5**
MKSMU 860 FT	600	1	3,050	508	1.75	1.1	0.5	679.340	**6059 33 7**

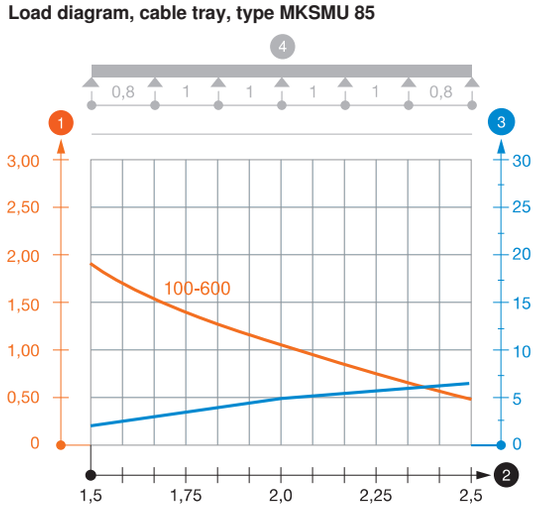
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSMU 85 = Medium duty Magic cable tray system, unperforated, with a side height of 85 mm.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type MKSMU 85



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 85

Cable tray SKS-Magic®, unperforated



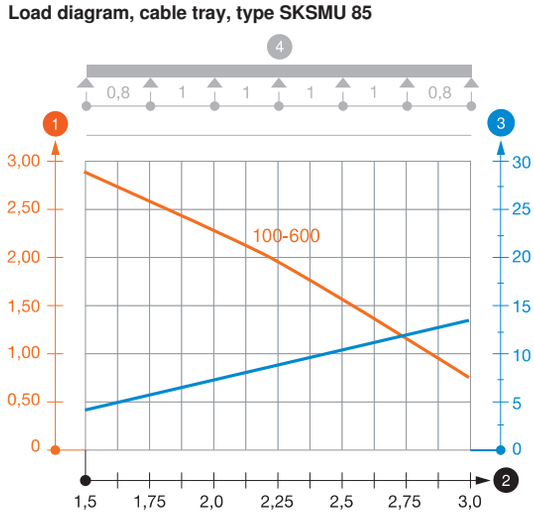
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
SKSMU 810 FS	100	1.5	3,050	83	2.8	2.25	0.75	345.570	**6059 76 2**
SKSMU 815 FS	150	1.5	3,050	125	2.8	2.25	0.75	404.260	**6059 76 4**
SKSMU 820 FS	200	1.5	3,050	186	2.8	2.25	0.75	463.270	**6059 76 6**
SKSMU 830 FS	300	1.5	3,050	253	2.8	2.25	0.75	580.980	**6059 76 8**
SKSMU 840 FS	400	1.5	3,050	338	2.8	2.25	0.75	698.680	**6059 77 0**
SKSMU 850 FS	500	1.5	3,050	423	2.8	2.25	0.75	816.390	**6059 77 2**
SKSMU 860 FS	600	1.5	3,050	508	2.8	2.25	0.75	934.100	**6059 77 4**
SKSMU 810 FT	100	1.5	3,050	83	2.8	2.25	0.75	366.550	**6059 77 9**
SKSMU 815 FT	150	1.5	3,050	125	2.8	2.25	0.75	428.520	**6059 78 1**
SKSMU 820 FT	200	1.5	3,050	186	2.8	2.25	0.75	474.750	**6059 78 3**
SKSMU 830 FT	300	1.5	3,050	253	2.8	2.25	0.75	616.060	**6059 78 5**
SKSMU 840 FT	400	1.5	3,050	338	2.8	2.25	0.75	740.980	**6059 78 7**
SKSMU 850 FT	500	1.5	3,050	423	2.8	2.25	0.75	865.570	**6059 78 9**
SKSMU 860 FT	600	1.5	3,050	508	2.8	2.25	0.75	990.490	**6059 79 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

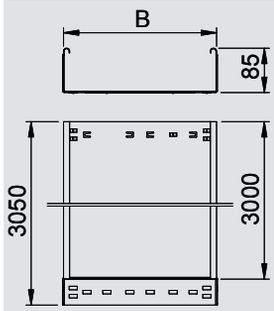
SKSMU 85 = Heavy-duty Magic cable tray system, unperforated, with 85 mm side height.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type SKSMU 85



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



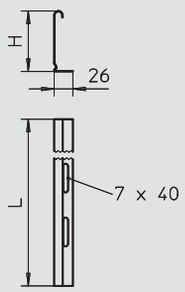
Barrier strip



Type	Dimension H	Plate thickness	Dimension L		Pack.	Weight	Item No.
	mm	mm	mm		m	kg/100 m	
TSG 85 FS	85	0.75	3,000		3	70.300	**6062 11 4**
TSG 85 DD	85	0.75	3,000		3	70.300	**6062 33 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



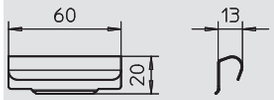
Barrier strip connector



Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

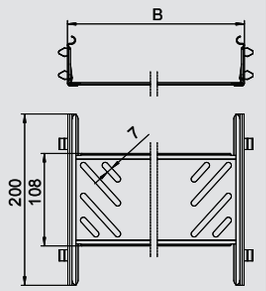
V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Magic straight connector set

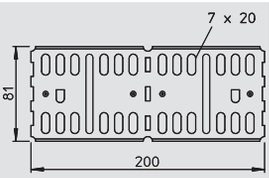
Type	Side height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 810 FS	85	100	1	37.100	**6069 00 2**
KTSMV 815 FS	85	150	1	41.500	**6069 00 4**
KTSMV 820 FS	85	200	1	43.800	**6069 00 6**
KTSMV 830 FS	85	300	1	50.600	**6069 00 8**
KTSMV 840 FS	85	400	1	57.300	**6069 01 0**
KTSMV 850 FS	85	500	1	64.000	**6069 01 2**
KTSMV 860 FS	85	600	1	70.800	**6069 01 4**
KTSMV 810 DD	85	100	1	37.100	**6069 02 4**
KTSMV 815 DD	85	150	1	41.500	**6069 02 6**
KTSMV 820 DD	85	200	1	43.800	**6069 02 8**
KTSMV 830 DD	85	300	1	50.600	**6069 03 0**
KTSMV 840 DD	85	400	1	57.300	**6069 03 2**
KTSMV 850 DD	85	500	1	64.000	**6069 03 4**
KTSMV 860 DD	85	600	1	70.800	**6069 03 6**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays and fittings with a side height of 85 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.





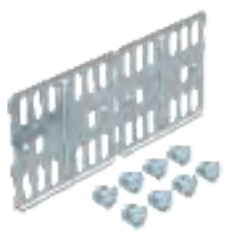
Straight and angle connector

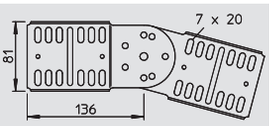
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RLVL 85 FS	85	10	26.500	**6067 12 3**
RLVL 85 FT	85	10	23.500	**6067 81 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight and angle connector for cable trays and fittings with a side height of 85 mm.

Including appropriate fastening material.





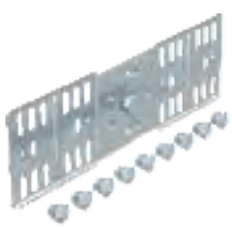
Adjustable connector

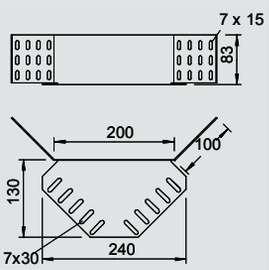
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 85 FS	85	10	34.000	**7082 02 9**
RGV 85 FT	85	10	34.000	**7082 32 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for cable trays with a side height of 85 mm.

Including appropriate fastening material.





Corner connector

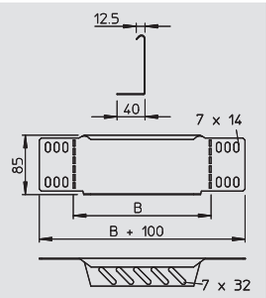
Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
REV 85 FS	85	10	61.000	**6067 98 0**
REV 85 DD	85	10	61.000	**6069 32 0**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Corner connector for cable trays with side height 85 mm.

Fastening materials should be ordered separately.





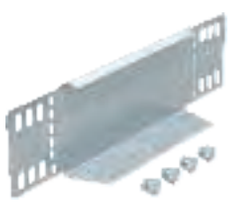
Reducer / stop-end

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 810 FS	100	1	12.500	**7110 10 3**
RWEB 820 FS	200	1	23.400	**7110 20 0**
RWEB 830 FS	300	1	33.300	**7110 30 8**
RWEB 840 FS	400	1	43.200	**7110 40 5**
RWEB 850 FS	500	1	53.200	**7110 50 2**
RWEB 860 FS	600	1	63.000	**7110 61 8**
RWEB 810 DD	100	1	12.600	**7107 31 5**
RWEB 820 DD	200	1	23.300	**7107 33 1**
RWEB 830 DD	300	1	33.300	**7107 36 6**
RWEB 840 DD	400	1	43.200	**7107 38 2**
RWEB 850 DD	500	1	53.100	**7107 40 4**
RWEB 860 DD	600	1	63.100	**7107 42 0**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Reducer/stop-end for cable trays with side height 85 mm.

Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Side height 85

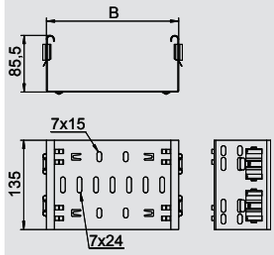


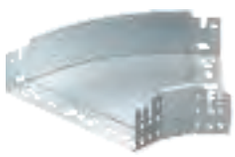
Magic straight conector

Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FVM 810 DD	85	100		1	37.700	**6065 81 0**
FVM 815 DD	85	150		1	43.700	**6065 81 2**
FVM 820 DD	85	200		1	49.800	**6065 81 4**
FVM 830 DD	85	300		1	62.500	**6065 81 6**
FVM 840 DD	85	400		1	75.200	**6065 81 8**
FVM 850 DD	85	500		1	87.400	**6065 82 0**
FVM 860 DD	85	600		1	100.200	**6065 82 2**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Magic straight connector for direct and screwless joining of Magic fittings with a side height of 85 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.



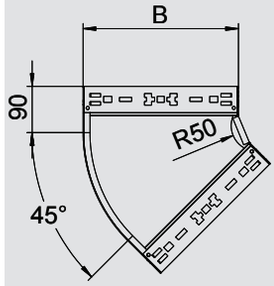


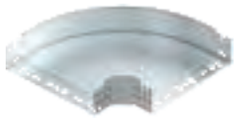
45° Magic bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 810 FS	100		1	60.600	**6041 41 0**
RBM 45 815 FS	150		1	78.500	**6041 41 1**
RBM 45 820 FS	200		1	98.100	**6041 41 2**
RBM 45 830 FS	300		1	142.300	**6041 41 4**
RBM 45 840 FS	400		1	190.900	**6041 41 6**
RBM 45 850 FS	500		1	250.700	**6041 41 8**
RBM 45 860 FS	600		1	318.200	**6041 42 0**
RBM 45 810 FT	100		1	65.000	**6041 43 0**
RBM 45 815 FT	150		1	84.200	**6041 43 1**
RBM 45 820 FT	200		1	105.200	**6041 43 2**
RBM 45 830 FT	300		1	152.600	**6041 43 4**
RBM 45 840 FT	400		1	204.700	**6041 43 6**
RBM 45 850 FT	500		1	268.800	**6041 43 8**
RBM 45 860 FT	600		1	341.200	**6041 44 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° bend with quick connector system. For all cable tray types of 85 mm side height.



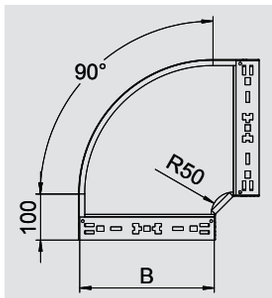


90° Magic bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 810 FS	100		1	78.500	**6041 49 0**
RBM 90 815 FS	150		1	106.700	**6041 49 1**
RBM 90 820 FS	200		1	138.200	**6041 49 2**
RBM 90 830 FS	300		1	213.300	**6041 49 4**
RBM 90 840 FS	400		1	299.700	**6041 49 6**
RBM 90 850 FS	500		1	405.300	**6041 49 8**
RBM 90 860 FS	600		1	526.400	**6041 50 0**
RBM 90 810 FT	100		1	84.200	**6041 51 0**
RBM 90 815 FT	150		1	114.400	**6041 51 1**
RBM 90 820 FT	200		1	148.700	**6041 51 2**
RBM 90 830 FT	300		1	228.700	**6041 51 4**
RBM 90 840 FT	400		1	321.400	**6041 51 6**
RBM 90 850 FT	500		1	434.600	**6041 51 8**
RBM 90 860 FT	600		1	564.500	**6041 52 0**

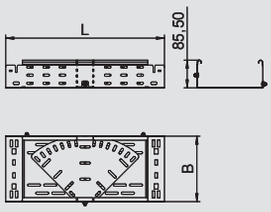
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend with quick connector system. For all cable tray types of 85 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



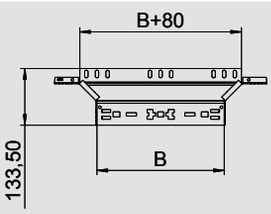
Magic bend, variable

Type	Width mm	Side height mm	Plate thickness mm		Pack. pcs	Item No.
RBMV 810 FS	100	85	1		1	**6040 58 0**
RBMV 815 FS	150	85	1		1	**6040 58 2**
RBMV 820 FS	200	85	1		1	**6040 58 4**
RBMV 830 FS	300	85	1.25		1	**6040 58 6**
RBMV 840 FS	400	85	1.25		1	**6040 58 8**
RBMV 850 FS	500	85	1.5		1	**6040 59 0**
RBMV 860 FS	600	85	1.5		1	**6040 59 2**
RBMV 810 FT	100	85	1		1	**6040 60 0**
RBMV 815 FT	150	85	1		1	**6040 60 2**
RBMV 820 FT	200	85	1		1	**6040 60 4**
RBMV 830 FT	300	85	1.25		1	**6040 60 6**
RBMV 840 FT	400	85	1.25		1	**6040 60 8**
RBMV 850 FT	500	85	1.5		1	**6040 61 0**
RBMV 860 FT	600	85	1.5		1	**6040 61 2**



St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 85 mm side height.



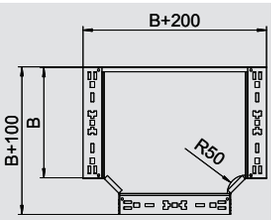
Magic add-on tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 810 FS	100		1	45.700	**6041 57 0**
RAAM 815 FS	150		1	52.100	**6041 57 1**
RAAM 820 FS	200		1	58.400	**6041 57 2**
RAAM 830 FS	300		1	71.300	**6041 57 4**
RAAM 840 FS	400		1	84.300	**6041 57 6**
RAAM 850 FS	500		1	97.100	**6041 57 8**
RAAM 860 FS	600		1	110.500	**6041 58 0**
RAAM 810 FT	100		1	49.000	**6041 59 0**
RAAM 815 FT	150		1	55.900	**6041 59 1**
RAAM 820 FT	200		1	62.600	**6041 59 2**
RAAM 830 FT	300		1	76.500	**6041 59 4**
RAAM 840 FT	400		1	90.400	**6041 59 6**
RAAM 850 FT	500		1	104.100	**6041 59 8**
RAAM 860 FT	600		1	118.500	**6041 60 0**



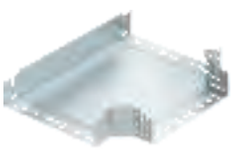
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 85 mm side height.



Magic Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 810 FS	100		1	98.700	**6041 66 0**
RTM 815 FS	150		1	131.100	**6041 66 1**
RTM 820 FS	200		1	168.200	**6041 66 2**
RTM 830 FS	300		1	255.800	**6041 66 4**
RTM 840 FS	400		1	358.100	**6041 66 6**
RTM 850 FS	500		1	485.400	**6041 66 8**
RTM 860 FS	600		1	632.400	**6041 67 0**
RTM 810 FT	100		1	105.800	**6041 68 0**
RTM 815 FT	150		1	140.600	**6041 68 1**
RTM 820 FT	200		1	180.400	**6041 68 2**
RTM 830 FT	300		1	274.300	**6041 68 4**
RTM 840 FT	400		1	384.000	**6041 68 6**
RTM 850 FT	500		1	520.500	**6041 68 8**
RTM 860 FT	600		1	678.200	**6041 69 0**



St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

T branch piece with quick connector system. For all cable tray types of 85 mm side height.

Always indicate the item number when ordering.

Side height 85

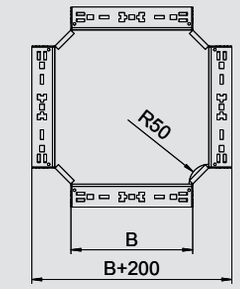
Magic cross-over



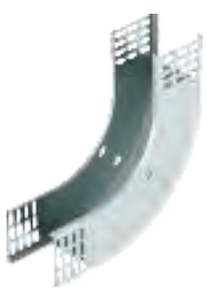
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 810 FS	100		1	108.700	**7027 08 1**
RKM 815 FS	150		1	140.100	**7027 08 3**
RKM 820 FS	200		1	176.300	**7027 08 5**
RKM 830 FS	300		1	261.600	**7027 08 7**
RKM 840 FS	400		1	358.900	**7027 08 9**
RKM 850 FS	500		1	483.800	**7027 09 1**
RKM 860 FS	600		1	628.400	**7027 09 3**
RKM 810 FT	100		1	116.600	**7027 10 1**
RKM 815 FT	150		1	150.200	**7027 10 3**
RKM 820 FT	200		1	189.100	**7027 10 5**
RKM 830 FT	300		1	280.500	**7027 10 7**
RKM 840 FT	400		1	384.900	**7027 10 9**
RKM 850 FT	500		1	518.900	**7027 11 1**
RKM 860 FT	600		1	673.900	**7027 11 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Intersection with quick connector system. For all cable tray types of 85 mm side height.



90° vertical bend, rising

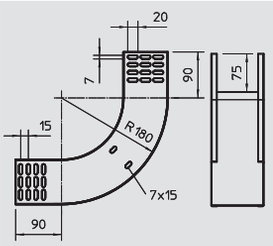


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 810 S FS	100	1		1	97.100	**7007 23 0**
RBV 815 S FS	150	1		1	110.000	**7007 23 2**
RBV 820 S FS	200	1		1	132.600	**7007 23 4**
RBV 830 S FS	300	1		1	156.200	**7007 23 8**
RBV 840 S FS	400	1		1	179.900	**7007 24 2**
RBV 850 S FS	500	1		1	203.500	**7007 24 6**
RBV 860 S FS	600	1		1	227.100	**7007 25 0**
RBV 810 S FT	100	1		1	97.100	**7007 23 1**
RBV 815 S FT	150	1		1	120.000	**7007 23 3**
RBV 820 S FT	200	1		1	132.600	**7007 23 5**
RBV 830 S FT	300	1		1	156.200	**7007 23 9**
RBV 840 S FT	400	1		1	179.900	**7007 24 3**
RBV 850 S FT	500	1		1	203.500	**7007 24 7**
RBV 860 S FT	600	1		1	227.100	**7007 25 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° rising vertical bend, for all cable tray types of 85 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.



90° vertical bend, falling

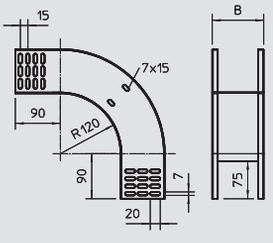


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 810 F FS	100	1		1	86.600	**7007 27 0**
RBV 815 F FS	150	1		1	95.000	**7007 27 2**
RBV 820 F FS	200	1		1	104.200	**7007 27 4**
RBV 830 F FS	300	1		1	121.800	**7007 27 8**
RBV 840 F FS	400	1		1	139.500	**7007 28 2**
RBV 850 F FS	500	1		1	157.100	**7007 28 6**
RBV 860 F FS	600	1		1	174.700	**7007 29 0**
RBV 810 F FT	100	1		1	86.600	**7007 27 1**
RBV 815 F FT	150	1		1	104.000	**7007 27 3**
RBV 820 F FT	200	1		1	104.200	**7007 27 5**
RBV 830 F FT	300	1		1	121.800	**7007 27 9**
RBV 840 F FT	400	1		1	139.500	**7007 28 3**
RBV 850 F FT	500	1		1	157.100	**7007 28 7**
RBV 860 F FT	600	1		1	174.700	**7007 29 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

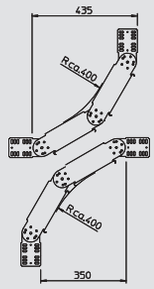
90° vertical bend, falling, for all cable tray types of 85 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



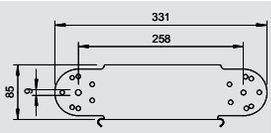
90° adjustable vertical bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBV 810 FS	100		1	226.000	**7006 46 2**
RGBV 820 FS	200		1	273.000	**7006 48 9**
RGBV 830 FS	300		1	320.000	**7006 50 0**
RGBV 840 FS	400		1	366.000	**7006 52 7**
RGBV 850 FS	500		1	449.000	**7006 54 3**
RGBV 860 FS	600		1	503.000	**7006 57 8**
RGBV 810 FT	100		1	260.000	**7080 10 7**
RGBV 820 FT	200		1	325.000	**7080 20 4**
RGBV 830 FT	300		1	380.000	**7080 30 1**
RGBV 840 FT	400		1	434.700	**7080 40 9**
RGBV 850 FT	500		1	488.200	**7080 50 6**
RGBV 860 FT	600		1	549.700	**7080 60 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° adjustable vertical bend, for all cable tray types with a side height of 85 mm.
The bend is shipped in an unmounted state. No additional fastening materials are required.



Adjustable vertical bend element



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBEV 810 FS	100		1	70.000	**7005 46 6**
RGBEV 820 FS	200		1	91.900	**7005 48 2**
RGBEV 830 FS	300		1	112.400	**7005 50 4**
RGBEV 840 FS	400		1	132.700	**7005 52 0**
RGBEV 850 FS	500		1	153.100	**7005 54 7**
RGBEV 860 FS	600		1	173.400	**7005 56 3**
RGBEV 810 FT	100		1	70.100	**7076 09 6**
RGBEV 820 FT	200		1	98.500	**7076 20 7**
RGBEV 830 FT	300		1	120.500	**7076 30 4**
RGBEV 840 FT	400		1	142.300	**7076 40 1**
RGBEV 850 FT	500		1	164.100	**7076 50 9**
RGBEV 860 FT	600		1	185.900	**7076 60 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable vertical bend element, for all cable tray types with a side height of 85 mm.
RGV 85 adjustable connectors should be ordered separately and in the appropriate quantity.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

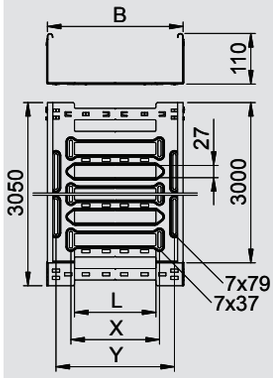
Side height 110



Cable tray MKS-Magic®

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
MKSM 110 FS	100	1	3,050	108	–	62	30	2	1.5	0.7	235.400	**6059 15 6**
MKSM 115 FS	150	1	3,050	161	46	112	30	2	1.5	0.7	271.500	**6059 15 8**
MKSM 120 FS	200	1	3,050	218	96	162	80	2	1.5	0.7	289.830	**6059 16 0**
MKSM 130 FS	300	1	3,050	328	196	262	180	1.8	1.3	0.7	327.210	**6059 16 2**
MKSM 140 FS	400	1	3,050	438	296	362	280	1.8	1.3	0.7	364.590	**6059 16 4**
MKSM 150 FS	500	1	3,050	548	396	462	380	1.8	1.3	0.65	401.960	**6059 16 6**
MKSM 160 FS	600	1	3,050	655	496	562	480	1.8	1.3	0.65	406.550	**6059 16 8**
MKSM 110 FT	100	1	3,050	108	–	62	30	2	1.5	0.7	256.700	**6059 17 3**
MKSM 115 FT	150	1	3,050	161	46	112	30	2	1.5	0.7	296.000	**6059 17 5**
MKSM 120 FT	200	1	3,050	218	96	162	80	2	1.5	0.7	316.000	**6059 17 7**
MKSM 130 FT	300	1	3,050	328	196	262	180	1.8	1.3	0.7	356.720	**6059 17 9**
MKSM 140 FT	400	1	3,050	438	296	362	280	1.8	1.3	0.7	397.700	**6059 18 1**
MKSM 150 FT	500	1	3,050	548	396	462	380	1.8	1.3	0.65	438.360	**6059 18 3**
MKSM 160 FT	600	1	3,050	655	496	562	480	1.8	1.3	0.65	479.000	**6059 18 5**

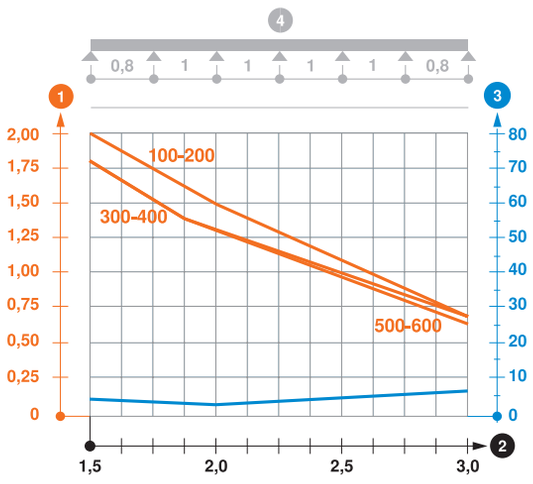
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSM 110 = medium-duty Magic cable tray system with a side height of 110 mm.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

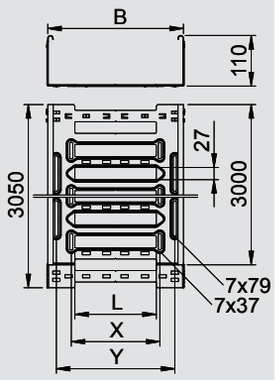
Load diagram, cable tray, type MKSM 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray SKS-Magic®



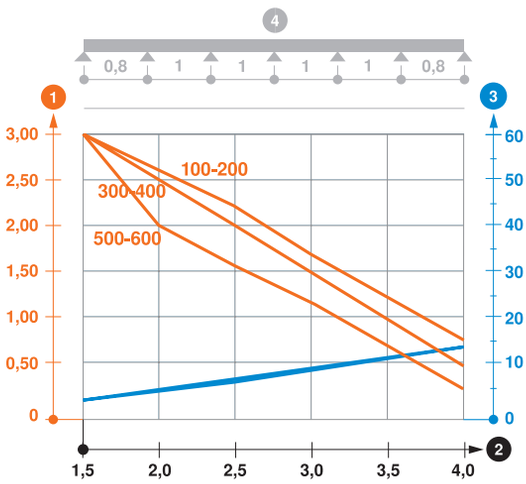
Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension L	Appr. load: 1.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
SKSM 110 FS	100	1.5	3,050	108	–	62	30	3	1.7	0.8	353.110	**6059 61 4**
SKSM 115 FS	150	1.5	3,050	161	46	112	30	3	1.7	0.8	407.210	**6059 61 6**
SKSM 120 FS	200	1.5	3,050	218	96	162	80	3	1.7	0.8	434.750	**6059 61 8**
SKSM 130 FS	300	1.5	3,050	328	196	262	180	3	1.5	0.5	490.810	**6059 62 0**
SKSM 140 FS	400	1.5	3,050	438	296	362	280	3	1.5	0.5	546.880	**6059 62 2**
SKSM 150 FS	500	1.5	3,050	548	396	462	380	3	1.2	0.3	602.950	**6059 62 4**
SKSM 160 FS	600	1.5	3,050	655	496	562	480	3	1.2	0.3	659.000	**6059 62 6**
SKSM 110 FT	100	1.5	3,050	108	–	62	30	3	1.7	0.8	374.420	**6059 63 1**
SKSM 115 FT	150	1.5	3,050	161	46	112	30	3	1.7	0.8	431.800	**6059 63 3**
SKSM 120 FT	200	1.5	3,050	218	96	162	80	3	1.7	0.8	460.980	**6059 63 5**
SKSM 130 FT	300	1.5	3,050	328	196	262	180	3	1.5	0.5	520.320	**6059 63 7**
SKSM 140 FT	400	1.5	3,050	438	296	362	280	3	1.5	0.5	580.000	**6059 63 9**
SKSM 150 FT	500	1.5	3,050	548	396	462	380	3	1.2	0.3	639.340	**6059 64 1**
SKSM 160 FT	600	1.5	3,050	655	496	562	480	3	1.2	0.3	698.680	**6059 64 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

SKSM 110 = Heavy-duty Magic cable tray system with 110 mm side height.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 79 mm, for bracket mounting. All widths with cross beading for stabilisation and duct ventilation. Continuous side perforation, 7 x 20 mm, as additional connector perforation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

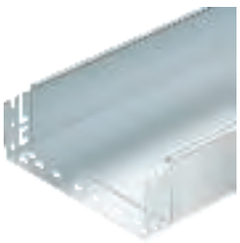
Load diagram, cable tray, type SKSM 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

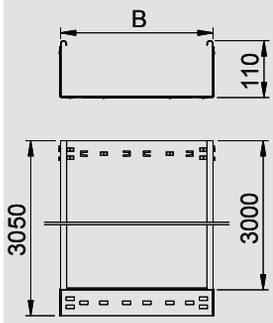
Side height 110



Cable tray MKS-Magic®, unperforated

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
MKSMU 110 FS	100	1	3,050	108	1.85	1.3	0.6	269.500	**6059 38 2**
MKSMU 115 FS	150	1	3,050	161	1.85	1.3	0.6	308.520	**6059 38 4**
MKSMU 120 FS	200	1	3,050	218	1.85	1.3	0.6	347.860	**6059 38 6**
MKSMU 130 FS	300	1	3,050	328	1.85	1.3	0.6	426.220	**6059 38 8**
MKSMU 140 FS	400	1	3,050	438	1.85	1.3	0.6	504.900	**6059 39 0**
MKSMU 150 FS	500	1	3,050	548	1.85	1.3	0.6	583.270	**6059 39 2**
MKSMU 160 FS	600	1	3,050	655	1.85	1.3	0.6	661.600	**6059 39 4**
MKSMU 110 FT	100	1	3,050	108	1.85	1.3	0.6	290.500	**6059 39 9**
MKSMU 115 FT	150	1	3,050	161	1.85	1.3	0.6	336.390	**6059 40 1**
MKSMU 120 FT	200	1	3,050	218	1.85	1.3	0.6	379.340	**6059 40 3**
MKSMU 130 FT	300	1	3,050	328	1.85	1.3	0.6	464.900	**6059 40 5**
MKSMU 140 FT	400	1	3,050	438	1.85	1.3	0.6	550.160	**6059 40 7**
MKSMU 150 FT	500	1	3,050	548	1.85	1.3	0.6	636.000	**6059 40 9**
MKSMU 160 FT	600	1	3,050	655	1.85	1.3	0.6	721.310	**6059 41 1**

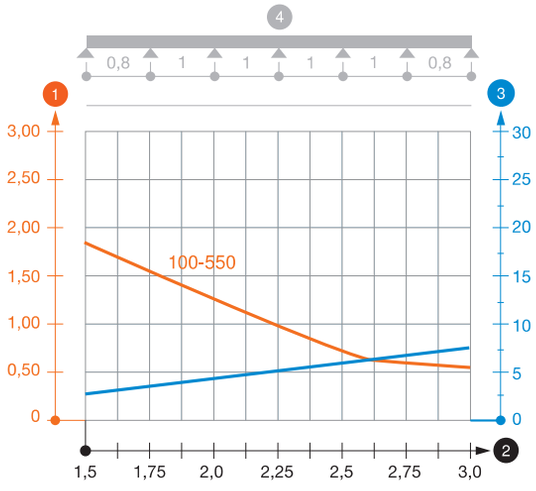
St Steel FS Strip-galvanised FT Hot-dip galvanised /m



MKSMU 110 = Medium duty Magic cable tray system, unperforated, with a side height of 110 mm.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

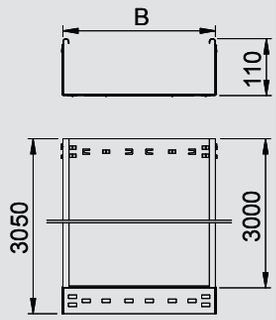
Load diagram, cable tray, type MKSMU 110



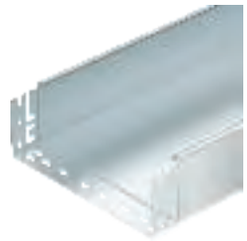
1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cable tray SKS-Magic®, unperforated



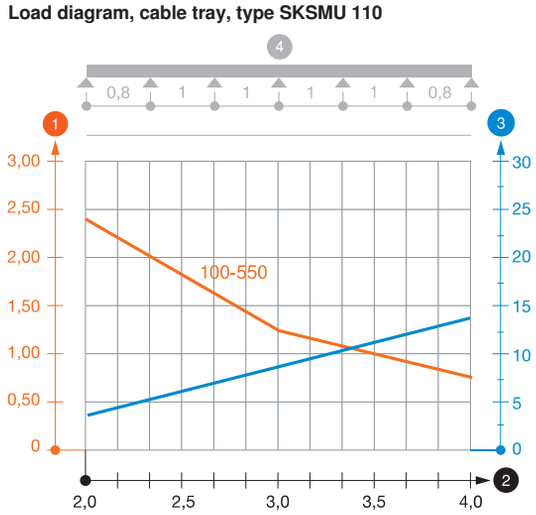
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
SKSMU 110 FS	100	1.5	3,050	108	3	1.2	0.8	403.930	**6059 83 6**
SKSMU 115 FS	150	1.5	3,050	161	3	1.2	0.8	462.950	**6059 83 8**
SKSMU 120 FS	200	1.5	3,050	218	3	1.2	0.8	521.640	**6059 84 0**
SKSMU 130 FS	300	1.5	3,050	328	3	1.2	0.8	639.340	**6059 84 2**
SKSMU 140 FS	400	1.5	3,050	438	3	1.2	0.8	757.040	**6059 84 4**
SKSMU 150 FS	500	1.5	3,050	548	3	1.2	0.8	874.750	**6059 84 6**
SKSMU 160 FS	600	1.5	3,050	655	3	1.2	0.8	992.450	**6059 84 8**
SKSMU 110 FT	100	1.5	3,050	108	3	1.2	0.8	428.200	**6059 85 3**
SKSMU 115 FT	150	1.5	3,050	161	3	1.2	0.8	490.820	**6059 85 5**
SKSMU 120 FT	200	1.5	3,050	218	3	1.2	0.8	553.100	**6059 85 7**
SKSMU 130 FT	300	1.5	3,050	328	3	1.2	0.8	678.000	**6059 85 9**
SKSMU 140 FT	400	1.5	3,050	438	3	1.2	0.8	802.600	**6059 86 1**
SKSMU 150 FT	500	1.5	3,050	548	3	1.2	0.8	827.540	**6059 86 3**
SKSMU 160 FT	600	1.5	3,050	655	3	1.2	0.8	1,052.460	**6059 86 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

SKSMU 110 = Heavy-duty Magic cable tray system, unperforated, with 110 mm side height.

Unperforated cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation.
The stock length is 3,050 mm, the usable length when combined is 3,000 mm.
The spring element FED 60 can be ordered separately as an accessory part (spare) for the Magic cable trays with a side height of 60 mm, 85 mm and 110 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.
VDE-tested cable tray system.

Load diagram, cable tray, type SKSMU 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 110

Cable tray EKSU, unperforated, with connector perforation



Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
EKSU 110 FS	100	2	3,000	108	3	2.4	1.2	0.8	532.670	**6063 39 1**
EKSU 120 FS	200	2	3,000	218	3	2.4	1.2	0.8	689.670	**6063 39 3**
EKSU 130 FS	300	2	3,000	328	3	2.4	1.2	0.8	846.660	**6063 39 4**
EKSU 140 FS	400	2	3,000	438	3	2.4	1.2	0.8	1,004.300	**6063 39 5**
EKSU 160 FS	600	2	3,000	655	3	2.4	1.2	0.8	1,317.670	**6063 39 7**

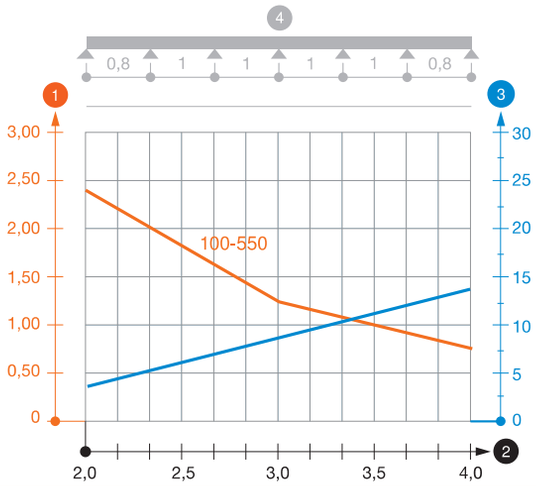
St Steel FS Strip-galvanised /m

SKS 110 = heavy-duty cable tray system, unperforated, with 110 mm side height.

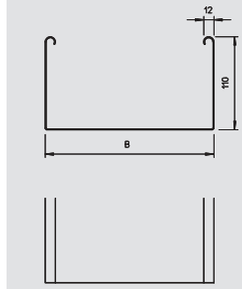
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

The cable tray has connector perforations on both sides.
Straight connectors should be ordered separately and in the appropriate quantity.

Load diagram, cable tray, type SKSU 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



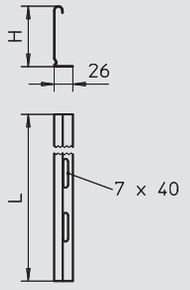
Barrier strip



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 110 FS	110	3,000		3	85.000	**6062 12 2**
TSG 110 DD	110	3,000		3	85.000	**6062 33 5**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



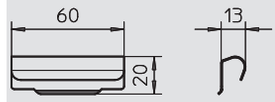
Barrier strip connector



Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

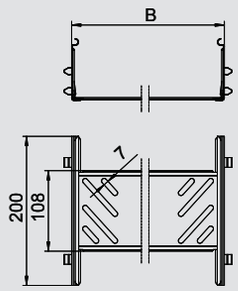
V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Magic straight connector set

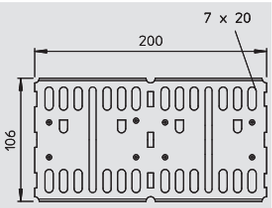
Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 110 FS	110	100		1	44.100	**6069 09 0**
KTSMV 115 FS	110	150		1	48.500	**6069 09 2**
KTSMV 120 FS	110	200		1	50.800	**6069 09 4**
KTSMV 130 FS	110	300		1	57.600	**6069 09 6**
KTSMV 140 FS	110	400		1	64.300	**6069 09 8**
KTSMV 150 FS	110	500		1	71.000	**6069 10 0**
KTSMV 160 FS	110	600		1	77.800	**6069 10 2**
KTSMV 110 DD	110	100		1	44.100	**6069 11 2**
KTSMV 115 DD	110	150		1	48.500	**6069 11 4**
KTSMV 120 DD	110	200		1	50.800	**6069 11 6**
KTSMV 130 DD	110	300		1	57.600	**6069 11 8**
KTSMV 140 DD	110	400		1	64.300	**6069 12 0**
KTSMV 150 DD	110	500		1	71.000	**6069 12 2**
KTSMV 160 DD	110	600		1	77.800	**6069 12 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays and fittings with a side height of 110 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.





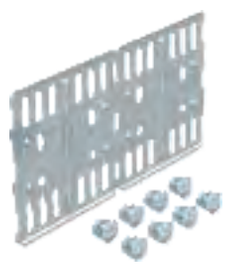
Straight and angle connector

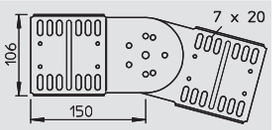
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RLVL 110 FS	110		10	29.500	**6067 13 1**
RLVL 110 FT	110		10	29.500	**6067 91 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight and angle connector for cable trays and fittings with a side height of 110 mm.

Including appropriate fastening material.





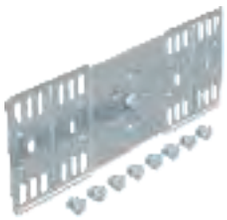
Articulated connector

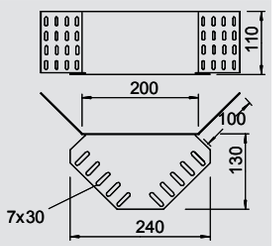
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 110 FS	110		10	64.000	**7082 03 7**
RGV 110 FT	110		10	64.000	**7082 43 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for cable trays with a side height of 110 mm.

Including appropriate fastening material.





Corner connector

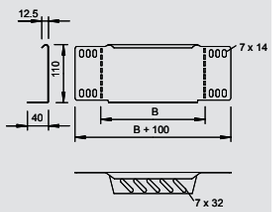
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
REV 110 FS	110		10	72.000	**6067 99 9**
REV 110 DD	110		10	72.000	**6069 33 9**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Corner connector for cable trays with side height 110 mm.

Fastening materials should be ordered separately.





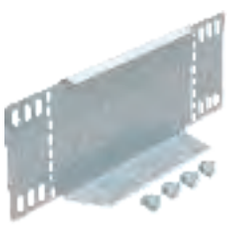
Reducer / stop-end

Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 110 FS	110	100		1	16.400	**7111 09 6**
RWEB 120 FS	110	200		1	29.000	**7111 20 7**
RWEB 130 FS	110	300		1	41.000	**7111 30 4**
RWEB 140 FS	110	400		1	52.900	**7111 42 8**
RWEB 150 FS	110	500		1	64.800	**7111 50 9**
RWEB 160 FS	110	600		1	71.000	**7111 74 0**
RWEB 110 DD	110	100		1	16.300	**7107 45 5**
RWEB 120 DD	110	200		1	25.000	**7107 47 1**
RWEB 130 DD	110	300		1	44.000	**7107 50 1**
RWEB 140 DD	110	400		1	52.800	**7107 53 6**
RWEB 150 DD	110	500		1	64.700	**7107 55 2**
RWEB 160 DD	110	600		1	71.000	**7107 56 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Reducer/stop-end for cable trays with side height 110 mm.

Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 110

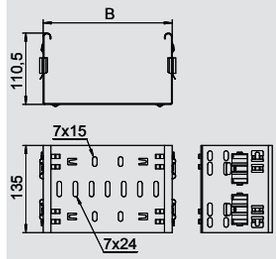


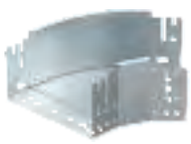
Magic straight connector

Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FVM 110 DD	110	100		1	42.900	**6065 91 0**
FVM 115 DD	110	150		1	48.900	**6065 91 2**
FVM 120 DD	110	200		1	55.000	**6065 91 4**
FVM 130 DD	110	300		1	67.700	**6065 91 6**
FVM 140 DD	110	400		1	80.400	**6065 91 8**
FVM 150 DD	110	500		1	92.600	**6065 92 0**
FVM 160 DD	110	600		1	105.000	**6065 92 2**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Magic straight connector for direct and screwless joining of Magic fittings with a side height of 110 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.



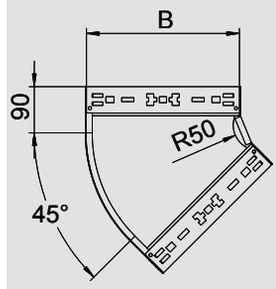


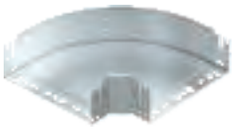
45° Magic bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 110 FS	100		1	70.500	**6041 75 0**
RBM 45 115 FS	150		1	89.300	**6041 75 1**
RBM 45 120 FS	200		1	109.900	**6041 75 2**
RBM 45 130 FS	300		1	156.100	**6041 75 4**
RBM 45 140 FS	400		1	206.500	**6041 75 6**
RBM 45 150 FS	500		1	268.300	**6041 75 8**
RBM 45 160 FS	600		1	337.700	**6041 76 0**
RBM 45 110 FT	100		1	75.600	**6041 78 0**
RBM 45 115 FT	150		1	95.800	**6041 78 1**
RBM 45 120 FT	200		1	117.900	**6041 78 2**
RBM 45 130 FT	300		1	167.400	**6041 78 4**
RBM 45 140 FT	400		1	221.400	**6041 78 6**
RBM 45 150 FT	500		1	287.700	**6041 78 8**
RBM 45 160 FT	600		1	362.100	**6041 79 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° bend with quick connector system. For all cable tray types of 110 mm side height.



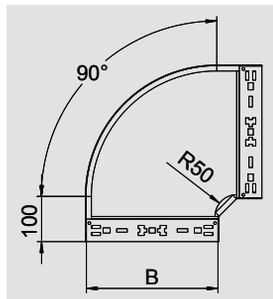


90° Magic bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 110 FS	100		1	90.900	**6041 84 0**
RBM 90 115 FS	150		1	121.000	**6041 84 1**
RBM 90 120 FS	200		1	154.900	**6041 84 2**
RBM 90 130 FS	300		1	233.400	**6041 84 4**
RBM 90 140 FS	400		1	323.600	**6041 84 6**
RBM 90 150 FS	500		1	433.100	**6041 84 8**
RBM 90 160 FS	600		1	558.000	**6041 85 0**
RBM 90 110 FT	100		1	97.500	**6041 86 0**
RBM 90 115 FT	150		1	129.800	**6041 86 1**
RBM 90 120 FT	200		1	166.100	**6041 86 2**
RBM 90 130 FT	300		1	250.300	**6041 86 4**
RBM 90 140 FT	400		1	347.000	**6041 86 6**
RBM 90 150 FT	500		1	464.400	**6041 86 8**
RBM 90 160 FT	600		1	598.400	**6041 87 0**

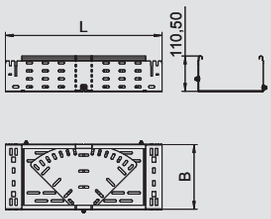
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend with quick connector system. For all cable tray types of 110 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



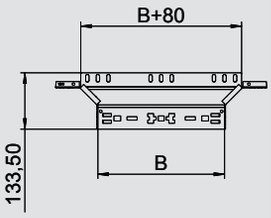
Magic bend, variable

Type	Width mm	Side height mm	Plate thickness mm		Pack. pcs	Item No.
RBMV 110 FS	100	110	1		1	**6040 68 0**
RBMV 115 FS	150	110	1		1	**6040 68 2**
RBMV 120 FS	200	110	1		1	**6040 68 4**
RBMV 130 FS	300	110	1.25		1	**6040 68 6**
RBMV 140 FS	400	110	1.25		1	**6040 68 8**
RBMV 150 FS	500	110	1.5		1	**6040 69 0**
RBMV 160 FS	600	110	1.5		1	**6040 69 2**
RBMV 110 FT	100	110	1		1	**6040 70 0**
RBMV 115 FT	150	110	1		1	**6040 70 2**
RBMV 120 FT	200	110	1		1	**6040 70 4**
RBMV 130 FT	300	110	1.25		1	**6040 70 6**
RBMV 140 FT	400	110	1.25		1	**6040 70 8**
RBMV 150 FT	500	110	1.5		1	**6040 71 0**
RBMV 160 FT	600	110	1.5		1	**6040 71 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 110 mm side height.



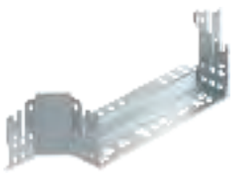


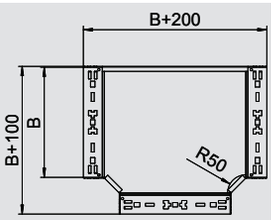
Magic add-on tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 110 FS	100		1	53.700	**6041 92 0**
RAAM 115 FS	150		1	60.000	**6041 92 1**
RAAM 120 FS	200		1	66.300	**6041 92 2**
RAAM 130 FS	300		1	79.200	**6041 92 4**
RAAM 140 FS	400		1	92.200	**6041 92 6**
RAAM 150 FS	500		1	105.100	**6041 92 8**
RAAM 160 FS	600		1	118.400	**6041 93 0**
RAAM 110 FT	100		1	57.600	**6041 94 0**
RAAM 115 FT	150		1	64.300	**6041 94 1**
RAAM 120 FT	200		1	71.100	**6041 94 2**
RAAM 130 FT	300		1	84.900	**6041 94 4**
RAAM 140 FT	400		1	98.900	**6041 94 6**
RAAM 150 FT	500		1	112.700	**6041 94 8**
RAAM 160 FT	600		1	127.000	**6041 95 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 110 mm side height.



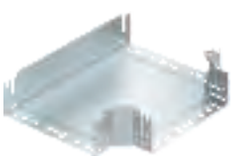


Magic Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 110 FS	100		1	113.600	**6042 01 0**
RTM 115 FS	150		1	147.200	**6042 01 1**
RTM 120 FS	200		1	185.500	**6042 01 2**
RTM 130 FS	300		1	275.600	**6042 01 4**
RTM 140 FS	400		1	380.300	**6042 01 8**
RTM 150 FS	500		1	510.100	**6042 02 0**
RTM 160 FS	600		1	659.500	**6042 02 2**
RTM 110 FT	100		1	121.800	**6042 03 0**
RTM 115 FT	150		1	157.900	**6042 03 2**
RTM 120 FT	200		1	198.900	**6042 03 4**
RTM 130 FT	300		1	295.500	**6042 03 6**
RTM 140 FT	400		1	407.800	**6042 03 8**
RTM 150 FT	500		1	547.000	**6042 04 0**
RTM 160 FT	600		1	707.200	**6042 04 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

T branch piece with quick connector system. For all cable tray types of 110 mm side height.



Side height 110

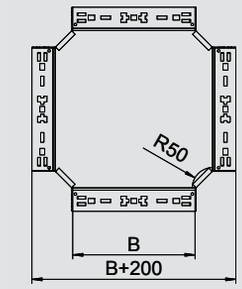
Magic cross-over



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 110 FS	100		1	124.700	**7027 16 1**
RKM 115 FS	150		1	156.100	**7027 16 3**
RKM 120 FS	200		1	192.300	**7027 16 5**
RKM 130 FS	300		1	277.600	**7027 16 7**
RKM 140 FS	400		1	374.800	**7027 16 9**
RKM 150 FS	500		1	499.800	**7027 17 1**
RKM 160 FS	600		1	644.300	**7027 17 3**
RKM 110 FT	100		1	133.700	**7027 18 1**
RKM 115 FT	110		1	167.400	**7027 18 3**
RKM 120 FT	200		1	206.200	**7027 18 5**
RKM 130 FT	300		1	297.700	**7027 18 7**
RKM 140 FT	400		1	401.900	**7027 18 9**
RKM 150 FT	500		1	536.000	**7027 19 1**
RKM 160 FT	600		1	690.900	**7027 19 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Intersection with quick connector system. For all cable tray types of 110 mm side height.



90° vertical bend, rising

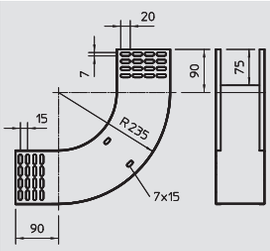


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 110 S FS	100	1		1	120.100	**7007 31 0**
RBV 115 S FS	150	1		1	135.000	**7007 31 2**
RBV 120 S FS	200	1		1	151.300	**7007 31 4**
RBV 130 S FS	300	1		1	182.400	**7007 31 8**
RBV 140 S FS	400	1		1	213.600	**7007 32 2**
RBV 150 S FS	500	1		1	244.800	**7007 32 6**
RBV 160 S FS	600	1		1	274.000	**7007 33 3**
RBV 110 S FT	100	1		1	120.000	**7007 39 8**
RBV 115 S FT	150	1		1	147.000	**7007 31 3**
RBV 120 S FT	200	1		1	163.000	**7007 40 0**
RBV 130 S FT	300	1		1	182.400	**7007 31 9**
RBV 140 S FT	400	1		1	231.000	**7007 40 4**
RBV 150 S FT	500	1		1	244.800	**7007 32 7**
RBV 160 S FT	600	1		1	299.000	**7007 33 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° rising vertical bend, for all cable tray types of 110 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.



90° vertical bend, falling

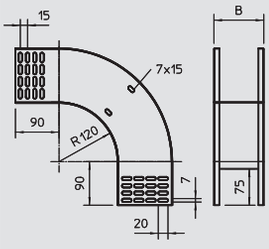


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 110 F FS	100	1		1	106.300	**7007 35 0**
RBV 115 F FS	150	1		1	114.000	**7007 35 2**
RBV 120 F FS	200	1		1	124.000	**7007 35 4**
RBV 130 F FS	300	1		1	141.600	**7007 35 8**
RBV 140 F FS	400	1		1	159.200	**7007 36 2**
RBV 150 F FS	500	1		1	176.900	**7007 36 6**
RBV 160 F FS	600	1		1	193.000	**7007 37 3**
RBV 110 F FT	100	1		1	120.000	**7007 46 8**
RBV 115 F FT	150	1		1	124.000	**7007 35 3**
RBV 120 F FT	200	1		1	134.000	**7007 47 0**
RBV 130 F FT	300	1		1	141.600	**7007 35 9**
RBV 140 F FT	400	1		1	172.000	**7007 47 4**
RBV 150 F FT	500	1		1	176.900	**7007 36 7**
RBV 160 F FT	600	1		1	210.000	**7007 37 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

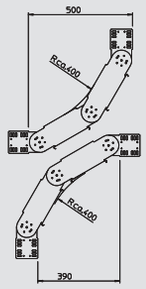
90° vertical bend, falling, for all cable tray types of 110 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



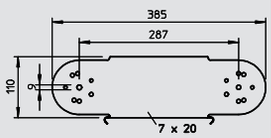
90° adjustable vertical bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBV 110 FS	100		1	304.800	**7006 62 4**
RGBV 120 FS	200		1	351.000	**7006 64 0**
RGBV 130 FS	300		1	398.000	**7006 66 7**
RGBV 140 FS	400		1	530.000	**7006 68 3**
RGBV 150 FS	500		1	527.500	**7006 70 5**
RGBV 160 FS	600		1	630.000	**7006 71 7**
RGBV 110 FT	100		1	363.000	**7081 10 3**
RGBV 120 FT	200		1	420.000	**7081 20 0**
RGBV 130 FT	300		1	578.300	**7081 30 8**
RGBV 140 FT	400		1	530.000	**7081 40 5**
RGBV 150 FT	500		1	580.000	**7081 50 2**
RGBV 160 FT	600		1	630.000	**7081 55 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° adjustable vertical bend, for all cable tray types with a side height of 110 mm.
The bend is shipped in an unmounted state. No additional fastening materials are required.



Adjustable vertical bend element



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBEV 110 FS	100		1	101.100	**7005 62 8**
RGBEV 120 FS	200		1	119.600	**7005 64 4**
RGBEV 130 FS	300		1	137.200	**7005 66 0**
RGBEV 140 FS	400		1	157.500	**7005 68 7**
RGBEV 150 FS	500		1	177.900	**7005 70 9**
RGBEV 160 FS	600		1	175.000	**7005 72 3**
RGBEV 110 FT	100		1	101.100	**7077 10 6**
RGBEV 120 FT	200		1	119.600	**7077 20 3**
RGBEV 130 FT	300		1	147.100	**7077 30 0**
RGBEV 140 FT	400		1	156.700	**7077 40 8**
RGBEV 150 FT	500		1	193.600	**7077 50 5**
RGBEV 160 FT	600		1	186.000	**7077 97 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable vertical bend element, for all cable tray types with a side height of 110 mm.
RGV 110 adjustable connectors should be ordered separately and in the appropriate quantity.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

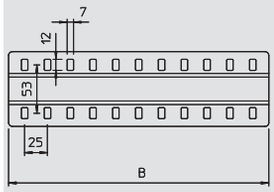


Joint plate

Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 100 FS	85	2		20	7.700	**7070 20 5**
SSLB 150 FS	135	2		20	12.200	**7070 20 9**
SSLB 200 FS	185	2		20	16.700	**7070 21 3**
SSLB 300 FS	285	3		20	25.700	**7070 21 7**
SSLB 400 FS	385	4		20	34.700	**7070 22 1**
SSLB 500 FS	485	5		20	43.700	**7070 22 5**
SSLB 550 FS	535	5		20	48.200	**7070 22 9**
SSLB 600 FS	585	6		20	52.700	**7070 23 3**
SSLB 100 DD	85	2		20	7.700	**7070 30 6**
SSLB 150 DD	135	2		20	12.200	**7070 31 0**
SSLB 200 DD	185	2		20	16.700	**7070 31 4**
SSLB 300 DD	285	3		20	25.700	**7070 31 8**
SSLB 400 DD	385	4		20	34.700	**7070 32 2**
SSLB 500 DD	485	5		20	43.700	**7070 32 6**
SSLB 550 DD	535	5		20	48.200	**7070 33 0**
SSLB 600 DD	585	6		20	52.700	**7070 33 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.



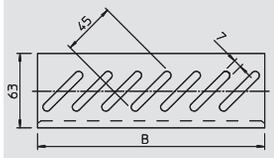


Bottom end plate

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BEB 050 FS	50		100	2.500	**7083 04 1**
BEB 100 FS	100		100	5.400	**7083 10 6**
BEB 150 FS	150		100	8.400	**7083 15 7**
BEB 200 FS	200		100	11.400	**7083 20 3**
BEB 300 FS	300		100	17.200	**7083 30 0**
BEB 400 FS	400		100	23.100	**7083 40 8**
BEB 500 FS	500		50	29.000	**7083 50 5**
BEB 550 FS	550		50	32.000	**7083 55 6**
BEB 600 FS	600		50	35.000	**7083 60 2**
BEB 050 DD	50		100	2.500	**7083 61 6**
BEB 100 DD	100		100	5.400	**7083 61 8**
BEB 150 DD	150		100	8.400	**7083 62 2**
BEB 200 DD	200		100	11.400	**7083 62 6**
BEB 300 DD	300		100	17.200	**7083 63 0**
BEB 400 DD	400		100	23.100	**7083 63 4**
BEB 500 DD	500		50	29.000	**7083 63 8**
BEB 550 DD	550		50	32.000	**7083 64 0**
BEB 600 DD	600		50	35.000	**7083 64 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Bottom end plate for bottom reinforcement at the ends of the cable tray and as cable protection.
For fastening, please order bolts, type FRSB M6 x 12, separately.



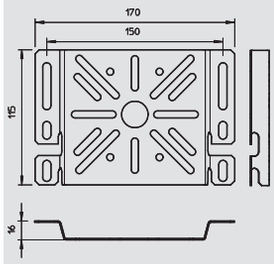


Mounting plate

Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170		40	13.300	**7084 77 3**
MP UNI DD	115	170		40	13.300	**7085 11 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Mounting plate, for fastening on the side rail of cable support systems.
Please order the truss-head bolt, type FRSB 6 x 12, separately.



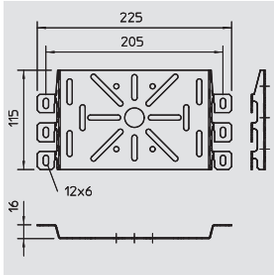


Mounting plate

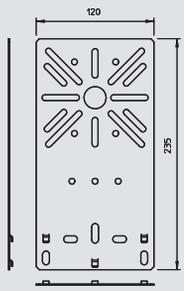
Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP 225 UNI FS	115	225		20	20.000	**7084 87 0**

St Steel FS Strip-galvanised /pc.

Mounting plate for universal use on side rails of cable trays and mesh cable trays.
Please order the truss-head bolt, type FRSB 6 x 12, separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



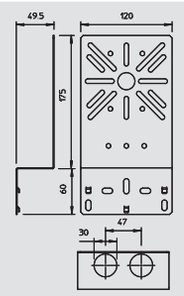
Mounting plate

Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP FL FS	235	120		40	19.200	**7084 75 7**
MP FL DD	235	120		40	19.200	**7085 10 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Flat mounting plate, for fixing on the side rail of the cable tray.
Please order the truss-head bolt, type FRS B6 x 12, separately.





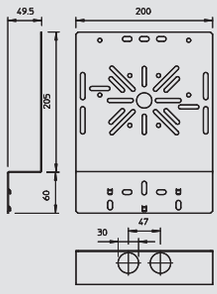
Mounting plate

Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI KL. FS	210	120		20	20.200	**7084 76 5**
MP WI KL. DD	210	120		20	20.200	**7085 11 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Angled mounting plate, for fastening on the side rail of the cable tray.
Please order the truss-head bolt, type FRS B6 x 12, separately.





Mounting plate

Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI GR. FS	240	200		25	40.000	**7084 78 1**
MP WI GR. DD	240	200		25	40.000	**7085 11 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Angled mounting plate, for fastening on the side rail of the cable tray.
Please order the truss-head bolt, type FRS B6 x 12, separately.





Edge protection strip

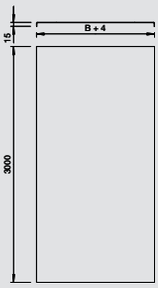
UV RESISTANT

Type	For plate thickness mm	Dimension h mm	Colour	Length mm		Weight kg/100 m	Item No.
KSB 2 PVC	1-2	10	Black	10,000		8.000	**6072 90 9**
KSB 4 PVC	1-4	15	Black	10,000		14.000	**6072 89 5**

PVC Polyvinylchloride /100 m

Edge protection strip with steel inlay for covering the cut plate ends.





Cover

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRLU 050 FS	50	0.75	3,000		44.700	**6052 05 6**
DRLU 100 FS	100	0.75	3,000		74.200	**6052 10 3**
DRLU 150 FS	150	0.75	3,000		138.200	**6052 15 3**
DRLU 200 FS	200	1	3,000		177.400	**6052 21 0**
DRLU 300 FS	300	1	3,000		255.900	**6052 30 7**
DRLU 400 FS	400	1	3,000		334.500	**6052 40 5**
DRLU 500 FS	500	1.25	3,000		619.400	**6052 51 2**
DRLU 550 FS	550	1.25	3,000		678.200	**6052 57 1**
DRLU 600 FS	600	1.25	3,000		737.100	**6052 60 9**
DRLU 050 DD	50	0.75	3,000		44.700	**6052 64 0**
DRLU 100 DD	100	0.75	3,000		74.200	**6052 64 3**
DRLU 150 DD	150	0.75	3,000		138.200	**6052 64 7**
DRLU 200 DD	200	1	3,000		177.400	**6052 65 0**
DRLU 300 DD	300	1	3,000		255.900	**6052 65 6**
DRLU 400 DD	400	1	3,000		338.300	**6052 66 2**
DRLU 500 DD	500	1.25	3,000		619.500	**6052 66 8**
DRLU 550 DD	550	1.25	3,000		678.200	**6052 67 1**
DRLU 600 DD	600	1.25	3,000		737.100	**6052 67 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Cover for cable trays and mesh cable trays.
Take appropriate constructive protection measures if there are high wind speeds.
Cross beading from 500 mm width.



Always indicate the item number when ordering.

Accessories 35, 60, 85, 110

Cover clamp, universal

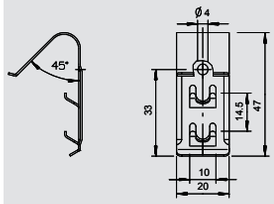


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



Cover clamp

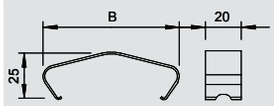


Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DKL 35 VA4310	50.9		50	1.400	**6065 50 3**
DKL 45 VA4310	60.9		50	1.600	**6065 51 1**
DKL 60 VA4310	75.9		50	1.800	**6065 53 8**
DKL 85 VA4310	95.9		20	2.100	**6065 54 6**
DKL 110 VA4310	120.9		20	2.400	**6065 55 4**

V2A Stainless steel, grade 301 /pc.

Cover clamp for secure fastening of covers on cable trays and cable ladders.

Cover clamp for additional fastening of the cover, e.g. in case of high wind load.



Cover with turn buckle



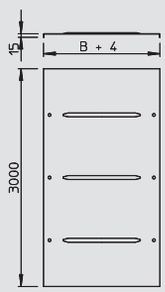
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL 050 FS	50	0.75	3,000		63.000	**6052 05 3**
DRL 075 FS	75	0.75	3,000		81.667	**6052 02 9**
DRL 100 FS	100	0.75	3,000		102.330	**6052 09 6**
DRL 150 FS	150	1	3,000		141.500	**6052 15 0**
DRL 200 FS	200	1	3,000		180.776	**6052 20 7**
DRL 300 FS	300	1	3,000		259.270	**6052 30 4**
DRL 400 FS	400	1	3,000		337.670	**6052 40 1**
DRL 500 FS	500	1.25	3,000		622.340	**6052 50 9**
DRL 550 FS	550	1.25	3,000		681.340	**6052 56 8**
DRL 600 FS	600	1.25	3,000		740.340	**6052 60 6**
DRL 050 DD	50	0.75	3,000		63.000	**6052 70 0**
DRL 100 DD	100	0.75	3,000		102.300	**6052 70 3**
DRL 150 DD	150	1	3,000		141.500	**6052 70 6**
DRL 200 DD	200	1	3,000		180.670	**6052 70 9**
DRL 300 DD	300	1	3,000		259.000	**6052 71 2**
DRL 400 DD	400	1	3,000		337.670	**6052 71 5**
DRL 500 DD	500	1.25	3,000		622.340	**6052 71 8**
DRL 550 DD	550	1.25	3,000		681.340	**6052 72 1**
DRL 600 DD	600	1.25	3,000		740.340	**6052 72 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.

Take appropriate constructive protection measures if there are high wind speeds.

Cross beading from 500 mm width.



Turn buckle

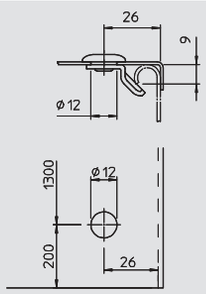


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRL 311 FT		20	1.300	**6065 00 7**

St Steel FT Hot-dip galvanised /pc.

Turn-buckle for additional installation or installation at a later date.

Single-sided turn-buckle. Use for cover widths of 100 – 600 mm.



Turn buckle

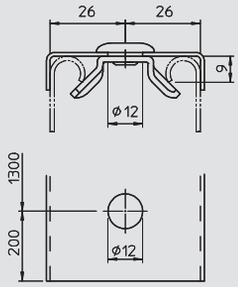


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRL 311 2 FT		20	1.700	**6065 14 7**

St Steel FT Hot-dip galvanised /pc.

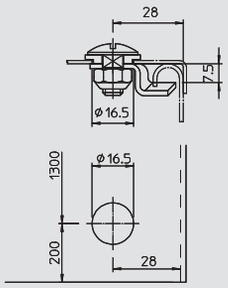
Turn-buckle for additional installation or installation at a later date.

Turn-buckle on both sides. Use for cover width of 50 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



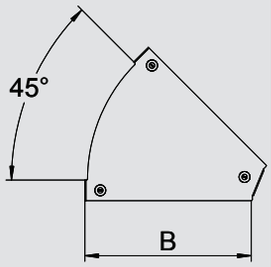
Turn buckle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRLM 316 DD		10	2.800	**6222 36 6**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Turn-buckle for additional installation or installation at a later date.
Single-sided turn-buckle. Use for cover widths of 50 – 600 mm.





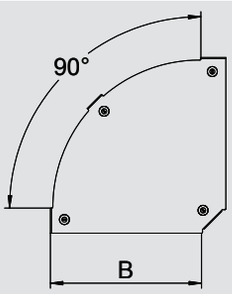
Cover for 45° Magic bend

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 45 100 FS	100	1.25		1	11.700	**7138 36 0**
DFBM 45 150 FS	150	1.25		1	18.400	**7138 36 2**
DFBM 45 200 FS	200	1.25		1	26.700	**7138 36 4**
DFBM 45 300 FS	300	1.25		1	47.900	**7138 36 6**
DFBM 45 400 FS	400	1.25		1	93.700	**7138 36 8**
DFBM 45 500 FS	500	1.25		1	136.200	**7138 37 0**
DFBM 45 600 FS	600	1.25		1	185.800	**7138 37 2**
DFBM 45 100 DD	100	1.25		1	11.700	**7138 40 0**
DFBM 45 150 DD	150	1.25		1	18.400	**7138 40 2**
DFBM 45 200 DD	200	1.25		1	26.700	**7138 40 4**
DFBM 45 300 DD	300	1.25		1	47.900	**7138 40 6**
DFBM 45 400 DD	400	1.25		1	93.700	**7138 40 8**
DFBM 45 500 DD	500	1.25		1	136.200	**7138 41 0**
DFBM 45 600 DD	600	1.25		1	185.800	**7138 41 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Lid for 45° bend with pre-mounted sash locks.
The cover can be used with fittings of all side heights.





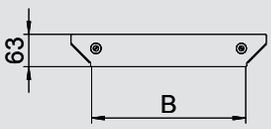
Cover for 90° Magic bend

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 90 100 FS	100	1.25		1	17.100	**7138 50 0**
DFBM 90 150 FS	150	1.25		1	28.500	**7138 50 2**
DFBM 90 200 FS	200	1.25		1	43.000	**7138 50 4**
DFBM 90 300 FS	300	1.25		1	81.600	**7138 50 6**
DFBM 90 400 FS	400	1.25		1	165.000	**7138 50 8**
DFBM 90 500 FS	500	1.25		1	244.100	**7138 51 0**
DFBM 90 600 FS	600	1.25		1	338.100	**7138 51 2**
DFBM 90 100 DD	100	1.25		1	17.100	**7138 54 0**
DFBM 90 150 DD	150	1.25		1	28.500	**7138 54 2**
DFBM 90 200 DD	200	1.25		1	43.000	**7138 54 4**
DFBM 90 300 DD	300	1.25		1	81.600	**7138 54 6**
DFBM 90 400 DD	400	1.25		1	165.000	**7138 54 8**
DFBM 90 500 DD	500	1.25		1	244.100	**7138 55 0**
DFBM 90 600 DD	600	1.25		1	338.100	**7138 55 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Lid for 90° bend with pre-mounted sash locks.
The cover can be used with fittings of all side heights.





Cover for Magic add-on tee

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFAAM 100 FS	100	1.25		1	9.700	**7138 64 0**
DFAAM 150 FS	150	1.25		1	12.100	**7138 64 2**
DFAAM 200 FS	200	1.25		1	13.300	**7138 64 4**
DFAAM 300 FS	300	1.25		1	19.500	**7138 64 6**
DFAAM 400 FS	400	1.25		1	30.300	**7138 64 8**
DFAAM 500 FS	500	1.25		1	36.500	**7138 65 0**
DFAAM 600 FS	600	1.25		1	42.700	**7138 65 2**
DFAAM 100 DD	100	1.25		1	9.700	**7138 68 0**
DFAAM 150 DD	150	1.25		1	12.100	**7138 68 2**
DFAAM 200 DD	200	1.25		1	14.500	**7138 68 4**
DFAAM 300 DD	300	1.25		1	19.500	**7138 68 6**
DFAAM 400 DD	400	1.25		1	30.300	**7138 68 8**
DFAAM 500 DD	500	1.25		1	36.500	**7138 69 0**
DFAAM 600 DD	600	1.25		1	42.700	**7138 69 2**

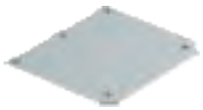
St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for add-on tee with pre-mounted turn-buckles.
The cover can be used with fittings of all side heights.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cover for Magic tee

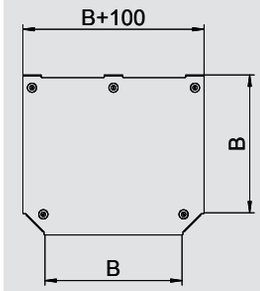


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFTM 100 FS	100	1.25		1	29.600	**7138 79 0**
DFTM 150 FS	150	1.25		1	38.900	**7138 79 2**
DFTM 200 FS	200	1.25		1	58.300	**7138 79 4**
DFTM 300 FS	300	1.25		1	109.200	**7138 79 6**
DFTM 400 FS	400	1.25		1	218.900	**7138 79 8**
DFTM 500 FS	500	1.25		1	321.300	**7138 80 0**
DFTM 600 FS	600	1.25		1	443.200	**7138 80 2**
DFTM 100 DD	100	1.25		1	29.600	**7138 83 0**
DFTM 150 DD	150	1.25		1	38.900	**7138 83 2**
DFTM 200 DD	200	1.25		1	58.300	**7138 83 4**
DFTM 300 DD	300	1.25		1	109.200	**7138 83 6**
DFTM 400 DD	400	1.25		1	218.900	**7138 83 8**
DFTM 500 DD	500	1.25		1	321.300	**7138 84 0**
DFTM 600 DD	600	1.25		1	443.200	**7138 84 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for tee with pre-mounted turn-buckle.

The cover can be used with fittings of all side heights.



Cover for Magic cross-over

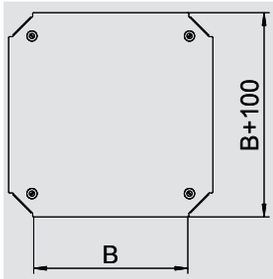


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFKM 100 FS	100	1.25		1	29.600	**7138 93 0**
DFKM 150 FS	150	1.25		1	47.100	**7138 93 2**
DFKM 200 FS	200	1.25		1	68.500	**7138 93 4**
DFKM 300 FS	300	1.25		1	123.100	**7138 93 6**
DFKM 400 FS	400	1.25		1	241.500	**7138 93 8**
DFKM 500 FS	500	1.25		1	349.100	**7138 94 0**
DFKM 600 FS	600	1.25		1	476.200	**7138 94 2**
DFKM 100 DD	100	1.25		1	29.600	**7138 97 0**
DFKM 150 DD	150	1.25		1	47.100	**7138 97 2**
DFKM 200 DD	200	1.25		1	68.500	**7138 97 4**
DFKM 300 DD	300	1.25		1	123.100	**7138 97 6**
DFKM 400 DD	400	1.25		1	241.500	**7138 97 8**
DFKM 500 DD	500	1.25		1	349.100	**7138 98 0**
DFKM 600 DD	600	1.25		1	476.200	**7138 98 2**

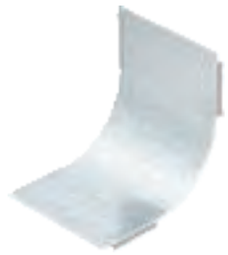
St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for cross-over with pre-mounted turn-buckles.

The cover can be used with fittings of all side heights.



Cover for 90° vertical bend, falling

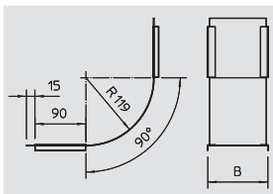


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 050 S FS	50	0.75		1	11.000	**7130 80 1**
DBV 100 S FS	100	0.75		1	21.000	**7130 80 5**
DBV 150 S FS	150	0.75		1	30.000	**7130 80 9**
DBV 200 S FS	200	0.75		1	39.000	**7130 81 3**
DBV 300 S FS	300	0.75		1	49.000	**7130 81 7**
DBV 400 S FS	400	0.75		1	68.000	**7130 82 1**
DBV 500 S FS	500	0.75		1	86.000	**7130 82 5**
DBV 600 S FS	600	0.75		1	105.000	**7130 82 9**
DBV 050 S DD	50	0.75		1	19.000	**7131 50 6**
DBV 100 S DD	100	0.75		1	34.000	**7131 50 8**
DBV 150 S DD	150	0.75		1	50.000	**7131 50 9**
DBV 200 S DD	200	0.75		1	66.000	**7131 51 0**
DBV 300 S DD	300	0.75		1	81.000	**7131 51 4**
DBV 400 S DD	400	0.75		1	113.000	**7131 51 8**
DBV 500 S DD	500	0.75		1	144.000	**7131 52 4**
DBV 600 S DD	600	0.75		1	176.000	**7131 52 7**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

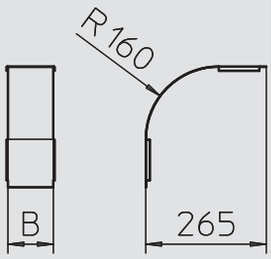
Cover for all rising vertical bends.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



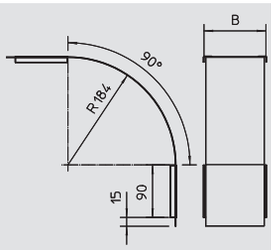
Cover for 90° vertical bend, falling, side height 35

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 35 050 F FS	50	0.75		1	10.000	**7130 76 0**
DBV 35 100 F FS	100	0.75		1	23.000	**7130 76 4**
DBV 35 150 F FS	150	0.75		1	37.000	**7130 76 8**
DBV 35 200 F FS	200	0.75		1	45.000	**7130 77 2**
DBV 35 300 F FS	300	0.75		1	67.000	**7130 77 6**
DBV 35 050 F DD	50	0.75		1	10.000	**7131 59 0**
DBV 35 100 F DD	100	0.75		1	23.000	**7131 59 2**
DBV 35 150 F DD	150	0.75		1	37.000	**7131 59 4**
DBV 35 200 F DD	200	0.75		1	45.000	**7131 59 6**
DBV 35 300 F DD	300	0.75		1	67.000	**7131 60 0**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for falling vertical bends of side height 35.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.



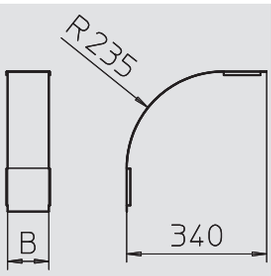
Cover for 90° vertical bend, falling, side height 60

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 60 050 F FS	50	0.75		1	14.000	**7130 84 7**
DBV 60 100 F FS	100	0.75		1	25.000	**7130 85 2**
DBV 60 150 F FS	150	0.75		1	37.000	**7130 85 6**
DBV 60 200 F FS	200	0.75		1	49.000	**7130 86 0**
DBV 60 300 F FS	300	0.75		1	73.000	**7130 86 4**
DBV 60 400 F FS	400	0.75		1	96.000	**7130 86 8**
DBV 60 500 F FS	500	0.75		1	120.000	**7130 87 2**
DBV 60 600 F FS	600	0.75		1	143.000	**7130 87 6**
DBV 60 050 F DD	50	0.75		1	23.000	**7131 63 0**
DBV 60 100 F DD	100	0.75		1	42.000	**7131 63 2**
DBV 60 150 F DD	150	0.75		1	62.000	**7131 63 4**
DBV 60 200 F DD	200	0.75		1	82.000	**7131 63 6**
DBV 60 300 F DD	300	0.75		1	122.000	**7131 64 0**
DBV 60 400 F DD	400	0.75		1	160.000	**7131 64 4**
DBV 60 500 F DD	500	0.75		1	200.000	**7131 64 8**
DBV 60 600 F DD	600	0.75		1	238.000	**7131 65 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for falling vertical bends of side height 60.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.



Cover for 90° vertical bend, falling, side height 85

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 85 100 F FS	100	0.75		1	27.100	**7130 99 0**
DBV 85 150 F FS	150	0.75		1	39.800	**7130 99 2**
DBV 85 200 F FS	200	0.75		1	52.500	**7130 99 4**
DBV 85 300 F FS	300	0.75		1	78.000	**7130 99 8**
DBV 85 400 F FS	400	0.75		1	103.000	**7131 00 2**
DBV 85 500 F FS	500	0.75		1	128.500	**7131 00 6**
DBV 85 600 F FS	600	0.75		1	153.900	**7131 01 0**
DBV 85 100 F DD	100	0.75		1	45.200	**7131 67 2**
DBV 85 150 F DD	150	0.75		1	66.300	**7131 67 4**
DBV 85 200 F DD	200	0.75		1	87.500	**7131 67 6**
DBV 85 300 F DD	300	0.75		1	130.000	**7131 68 0**
DBV 85 400 F DD	400	0.75		1	172.000	**7131 68 4**
DBV 85 500 F DD	500	0.75		1	214.200	**7131 68 8**
DBV 85 600 F DD	600	0.75		1	256.000	**7131 69 2**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for falling vertical bends of side height 85.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



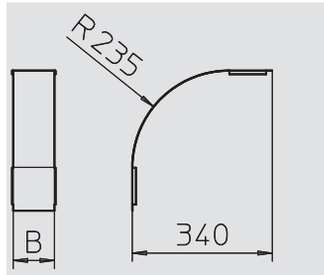
Cover for 90° vertical bend, falling, side height 110

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 110 100 F FS	100	0.75		1	29.000	**7131 03 0**
DBV 110 150 F FS	150	0.75		1	42.600	**7131 03 2**
DBV 110 200 F FS	200	0.75		1	56.200	**7131 03 4**
DBV 110 300 F FS	300	0.75		1	83.400	**7131 03 8**
DBV 110 400 F FS	400	0.75		1	110.600	**7131 04 2**
DBV 110 500 F FS	500	0.75		1	137.800	**7131 04 6**
DBV 110 600 F FS	600	0.75		1	165.000	**7131 05 2**
DBV 110 100 F DD	100	0.75		1	48.300	**7131 55 6**
DBV 110 150 F DD	150	0.75		1	71.000	**7131 55 4**
DBV 110 200 F DD	200	0.75		1	93.700	**7131 56 0**
DBV 110 300 F DD	300	0.75		1	139.000	**7131 56 4**
DBV 110 400 F DD	400	0.75		1	184.300	**7131 56 8**
DBV 110 500 F DD	500	0.75		1	229.700	**7131 57 2**
DBV 110 600 F DD	600	0.75		1	275.000	**7131 57 6**

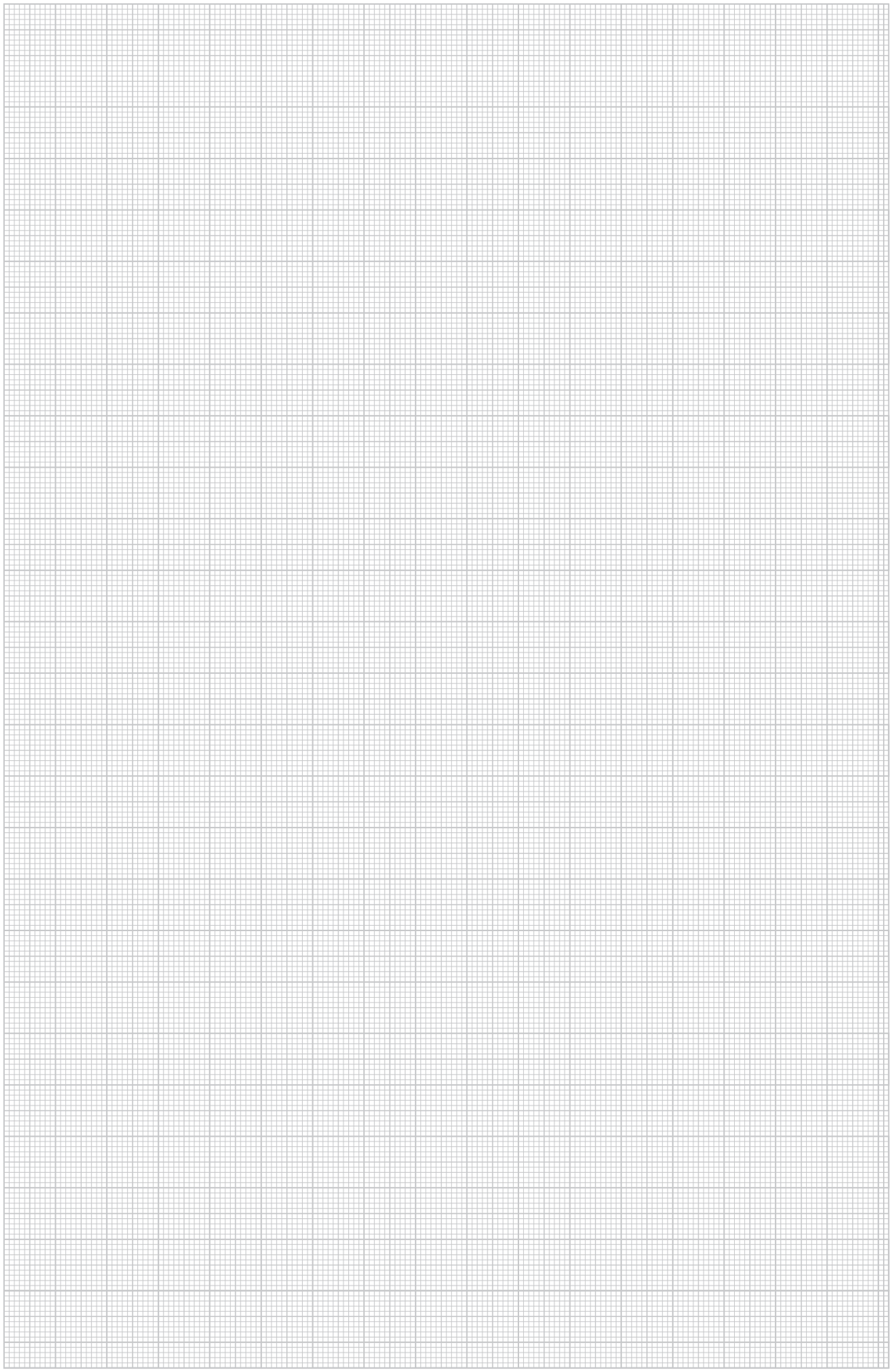
St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for falling vertical bends of side height 110.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable tray systems, walkable

	Cable tray	Side height 60 mm Side height 110 mm	276
	Straight connectors	Straight connector set Barrier strip connector	279
	Barrier strip	-	278
	Fittings	-	279
	Covers	-	281

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable tray system, walkable



Cable tray SKSU 60

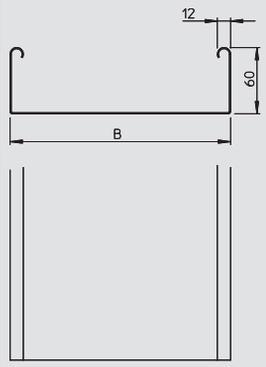
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SKSU 610 FS	100	1.5	3,000	58	2.6	1.9	1.1	0.55	286.000	**6063 23 4**
SKSU 620 FS	200	1.5	3,000	118	2.6	1.9	1.1	0.55	400.000	**6063 23 6**
SKSU 630 FS	300	1.5	3,000	178	2.6	1.9	1.1	0.55	516.000	**6063 23 8**
SKSU 640 FS	400	1.5	3,000	238	2.6	1.9	1.1	0.55	639.000	**6063 95 0**
SKSU 650 FS	500	1.5	3,000	298	2.6	1.9	1.1	0.55	756.700	**6063 24 1**
SKSU 660 FS	600	1.5	3,000	358	2.6	1.9	1.1	0.55	877.000	**6063 27 6**
SKSU 610 FT	100	1.5	3,000	58	2.6	1.9	1.1	0.55	303.000	**6064 30 7**
SKSU 620 FT	200	1.5	3,000	118	2.6	1.9	1.1	0.55	427.300	**6064 35 3**
SKSU 630 FT	300	1.5	3,000	178	2.6	1.9	1.1	0.55	555.000	**6064 40 9**
SKSU 640 FT	400	1.5	3,000	238	2.6	1.9	1.1	0.55	687.000	**6064 43 5**
SKSU 650 FT	500	1.5	3,000	298	2.6	1.9	1.1	0.55	802.000	**6064 51 5**
SKSU 660 FT	600	1.5	3,000	358	2.6	1.9	1.1	0.55	929.700	**6064 52 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

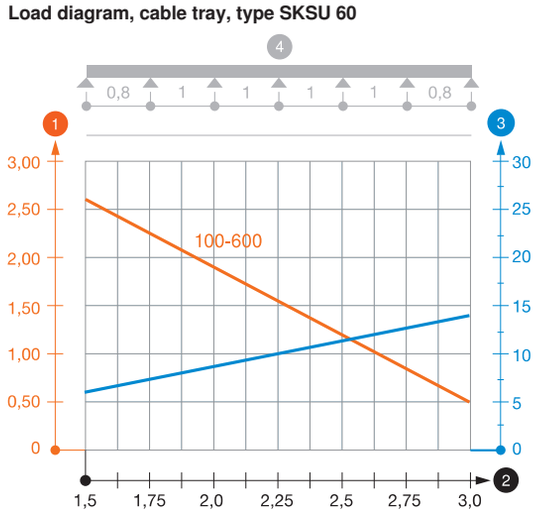
SKS 60 = heavy-duty cable tray system, unperforated, with 60 mm side height.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

The cable tray has connector perforations on both sides.
Straight connectors should be ordered separately and in the appropriate quantity.



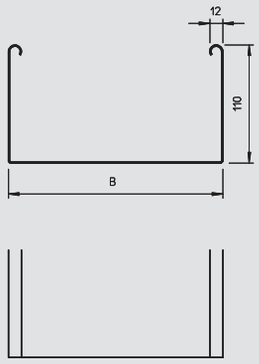
Load diagram, cable tray, type SKSU 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray SKSU 110

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SKSU 110 FS	100	1.5	3,000	108	3	2.4	1.2	0.8	404.000	**6063 40 3**
SKSU 120 FS	200	1.5	3,000	218	3	2.4	1.2	0.8	520.000	**6063 43 8**
SKSU 130 FS	300	1.5	3,000	328	3	2.4	1.2	0.8	637.000	**6063 45 4**
SKSU 140 FS	400	1.5	3,000	438	3	2.4	1.2	0.8	754.700	**6063 47 0**
SKSU 150 FS	500	1.5	3,000	548	3	2.4	1.2	0.8	872.000	**6063 49 7**
SKSU 155 FS	550	1.5	3,000	603	3	2.4	1.2	0.8	935.300	**6063 50 0**
SKSU 110 FT	100	1.5	3,000	108	3	2.4	1.2	0.8	406.700	**6064 79 5**
SKSU 120 FT	200	1.5	3,000	218	3	2.4	1.2	0.8	551.300	**6064 83 3**
SKSU 130 FT	300	1.5	3,000	328	3	2.4	1.2	0.8	694.000	**6064 88 4**
SKSU 140 FT	400	1.5	3,000	438	3	2.4	1.2	0.8	822.700	**6064 92 2**
SKSU 150 FT	500	1.5	3,000	548	3	2.4	1.2	0.8	925.000	**6064 96 5**
SKSU 155 FT	550	1.5	3,000	605	3	2.4	1.2	0.8	991.700	**6064 97 3**

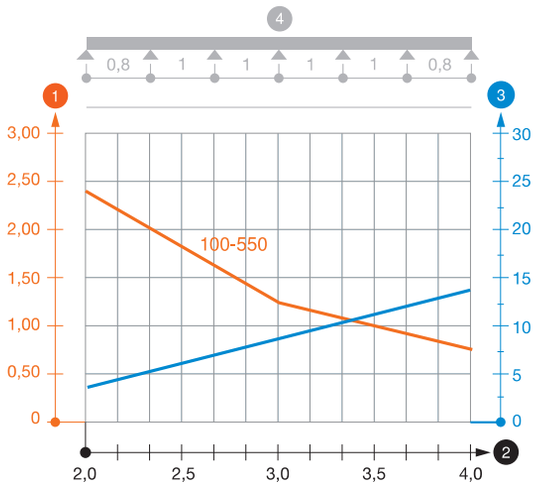
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

SKS 110 = heavy-duty cable tray system, unperforated, with 110 mm side height.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

The cable tray has connector perforations on both sides.
Straight connectors should be ordered separately and in the appropriate quantity.

Load diagram, cable tray, type SKSU 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cable tray system, walkable

Cable tray EKSU, unperforated, with connector perforation



Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
EKSU 110 FS	100	2	3,000	108	3	2.4	1.2	0.8	532.670	**6063 39 1**
EKSU 120 FS	200	2	3,000	218	3	2.4	1.2	0.8	689.670	**6063 39 3**
EKSU 130 FS	300	2	3,000	328	3	2.4	1.2	0.8	846.660	**6063 39 4**
EKSU 140 FS	400	2	3,000	438	3	2.4	1.2	0.8	1,004.300	**6063 39 5**
EKSU 160 FS	600	2	3,000	655	3	2.4	1.2	0.8	1,317.670	**6063 39 7**

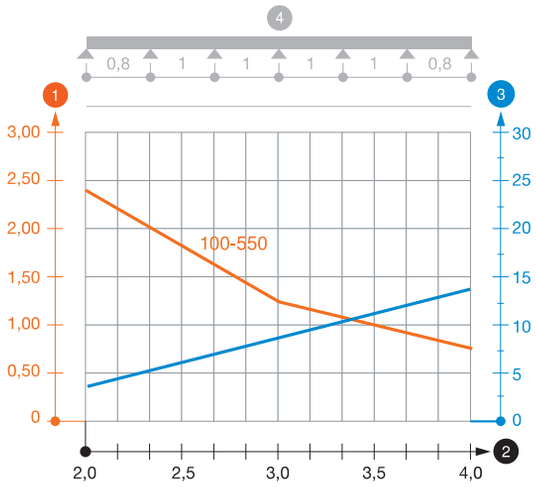
St Steel FS Strip-galvanised /m

SKS 110 = heavy-duty cable tray system, unperforated, with 110 mm side height.

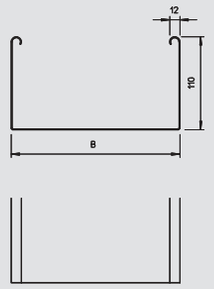
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

The cable tray has connector perforations on both sides.
Straight connectors should be ordered separately and in the appropriate quantity.

Load diagram, cable tray, type SKSU 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Barrier strip



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 60 FS	60	3,000	3	55.700	**6062 06 8**
TSG 60 DD	60	3,000	3	55.700	**6062 32 7**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

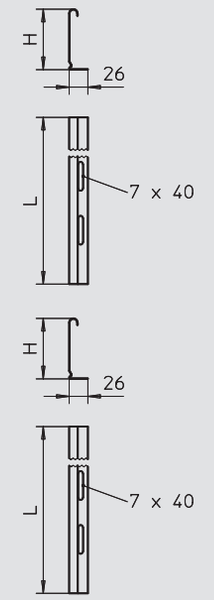
Barrier strip for separation of cables of different voltages or functions.



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 110 FS	110	3,000	3	85.000	**6062 12 2**
TSG 110 DD	110	3,000	3	85.000	**6062 33 5**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



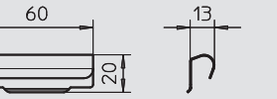
Barrier strip connector



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
TSGV VA4310	10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

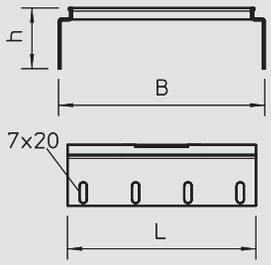
Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



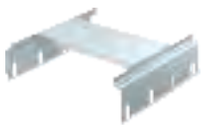
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Straight connector set



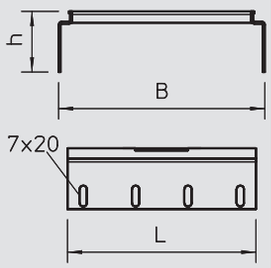
Type	Width mm	Height mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RVS 60 10 DD	100	60	180		5	28.000	**6068 77 1**
RVS 60 20 DD	200	60	180		5	57.000	**6068 77 3**
RVS 60 30 DD	300	60	180		5	85.000	**6068 77 5**
RVS 60 40 DD	400	60	180		5	113.000	**6068 77 7**
RVS 60 50 DD	500	60	180		5	141.000	**6068 77 9**
RVS 60 60 DD	600	60	180		5	169.000	**6068 78 1**



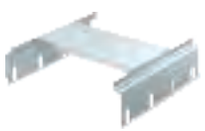
St Steel DD Zinc-aluminium coated, double-dip /pc.

Connector and ceiling support for the walkable cable tray system. The straight connectors are attached to the side rail of the cable tray and are fixed with the suitable bolts, type FRS M6 x 12. Then the appropriate cover support is inserted. From a width of 400 mm, we recommend inserting additional cover supports in the centre of the cable tray.

The bolt fastening ensures the continuity of the equipotential bonding. Including appropriate bolts with combination nuts.



Type	Width mm	Height mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RVS 110 10 DD	100	110	180		5	76.000	**6068 78 9**
RVS 110 20 DD	200	110	180		5	89.000	**6068 79 1**
RVS 110 30 DD	300	110	180		5	102.000	**6068 79 3**
RVS 110 40 DD	400	110	180		5	115.000	**6068 79 5**
RVS 110 50 DD	500	110	180		5	128.000	**6068 79 7**
RVS 110 55 DD	550	110	180		5	135.000	**6068 79 9**
RVS 110 60 DD	600	110	180		5	142.000	**6068 80 0**

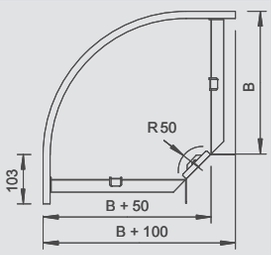


St Steel DD Zinc-aluminium coated, double-dip /pc.

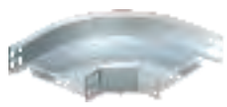
Connector and ceiling support for the walkable cable tray system. The straight connectors are attached to the side rail of the cable tray and are fixed with the suitable bolts, type FRS M6 x 12. Then the appropriate cover support is inserted. From a width of 400 mm, we recommend inserting additional cover supports in the centre of the cable tray.

The bolt fastening ensures the continuity of the equipotential bonding. Including appropriate bolts with combination nuts.

90° bend



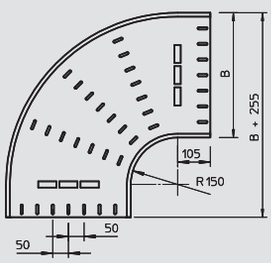
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 610 FS	100		1	56.000	**6043 21 6**
RB 90 620 FS	200		1	95.000	**6043 22 4**
RB 90 630 FS	300		1	150.000	**6043 23 2**
RB 90 610 FT	100		1	60.000	**7125 10 0**
RB 90 620 FT	200		1	101.000	**7125 22 0**
RB 90 630 FT	300		1	160.000	**7125 30 5**



St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable tray types of 60 mm side height.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 640 FS	400		1	523.400	**7001 29 0**
RB 90 650 FS	500		1	683.400	**7001 30 4**
RB 90 660 FS	600		1	864.900	**7001 31 2**
RB 90 640 FT	400		1	570.500	**7125 41 0**
RB 90 650 FT	500		1	744.900	**7125 52 6**
RB 90 660 FT	600		1	942.700	**7125 58 5**

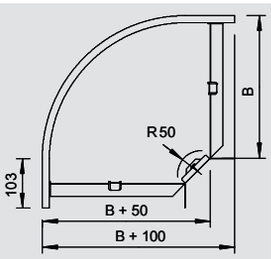


St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable tray types of 60 mm side height.

Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

90° bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 110 FS	100		1	80.000	**7001 89 4**
RB 90 120 FS	200		1	140.000	**7001 91 6**
RB 90 130 FS	300		1	210.000	**7001 93 2**
RB 90 110 FT	100		1	85.000	**7127 10 3**
RB 90 120 FT	200		1	150.000	**7127 22 7**
RB 90 130 FT	300		1	230.000	**7127 32 0**



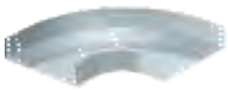
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable tray types of 110 mm side height.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable tray system, walkable



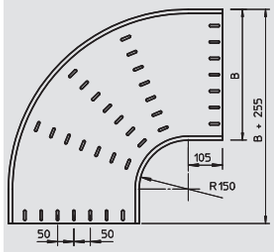
90° bend

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 140 FS	400	1	540.000	**7001 94 0**
RB 90 150 FS	500	1	700.000	**7001 96 7**
RB 90 155 FS	550	1	780.000	**7001 97 5**
RB 90 140 FT	400	1	575.000	**7127 41 3**
RB 90 150 FT	500	1	750.000	**7127 49 9**
RB 90 155 FT	550	1	840.000	**7127 54 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable tray types of 110 mm side height.

Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.





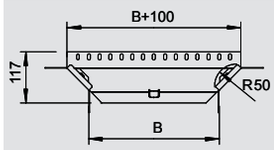
Add-on tee

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAA 610 FS	100	1	43.000	**6040 40 3**
RAA 620 FS	200	1	40.000	**6040 43 8**
RAA 630 FS	300	1	50.000	**6040 44 6**
RAA 610 FT	100	1	60.000	**7121 10 9**
RAA 620 FT	200	1	43.000	**7121 21 0**
RAA 630 FT	300	1	55.000	**7121 31 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.



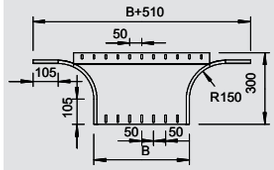


Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAA 640 FS	400	1	220.000	**7002 39 4**
RAA 650 FS	500	1	255.000	**7002 41 6**
RAA 660 FS	600	1	285.000	**7002 43 2**
RAA 640 FT	400	1	240.000	**7121 40 7**
RAA 650 FT	500	1	280.000	**7121 50 4**
RAA 660 FT	600	1	310.000	**7121 60 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.

Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.





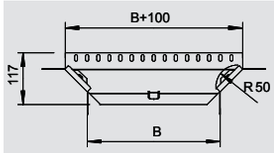
Add-on tee

Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAA 110 FS	100	1	45.000	**7002 63 7**
RAA 120 FS	200	1	55.000	**7002 65 3**
RAA 130 FS	300	1	70.000	**7002 68 8**
RAA 110 FT	100	1	50.000	**7123 11 6**
RAA 120 FT	200	1	60.000	**7123 21 3**
RAA 130 FT	300	1	75.000	**7123 31 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal and vertical use. For all cable tray types of 110 mm side height.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.



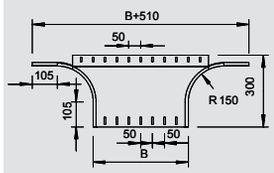


Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
RAA 140 FS	400	1	250.000	**7002 69 6**
RAA 150 FS	500	1	285.000	**7002 72 6**
RAA 155 FS	550	1	300.000	**7002 73 4**
RAA 140 FT	400	1	270.000	**7123 39 6**
RAA 150 FT	500	1	310.000	**7123 50 7**
RAA 155 FT	550	1	325.000	**7123 55 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal and vertical use. For all cable tray types of 110 mm side height.

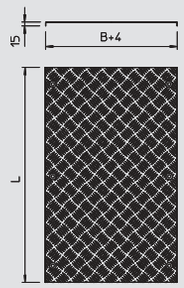
Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cover with corrugated sheet



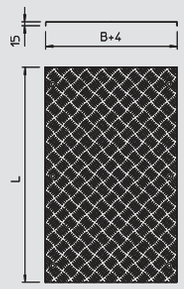
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL BKS10 ALU	100	2.5	1,000		101.000	**6052 75 0**
DRL BKS20 ALU	200	2.5	1,000		171.000	**6052 75 2**
DRL BKS30 ALU	300	2.5	1,000		236.000	**6052 75 5**
DRL BKS40 ALU	400	2.5	1,000		303.000	**6052 75 7**
DRL BKS50 ALU	500	2.5	1,000		365.000	**6052 75 9**
DRL BKS55 ALU	550	2.5	1,000		405.000	**6052 76 1**
DRL BKS60 ALU	600	2.5	1,000		438.000	**6052 76 3**



Al Aluminium /m

Corrugated aluminium cover, with clamping springs for screwless cover mounting, walkable.
The cover can be used for side heights 60 and 110 mm.

Cover with corrugated sheet and turn buckle



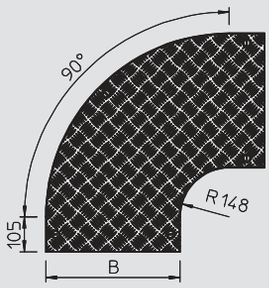
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL BKS 10 3	100	2.5	3,000		146.700	**6052 78 5**
DRL BKS 20 3	200	2.5	3,000		270.000	**6052 78 7**
DRL BKS 30 3	300	2.5	3,000		410.000	**6052 78 9**
DRL BKS 40 3	400	2.5	3,000		516.700	**6052 79 1**
DRL BKS 60 3	600	2.5	3,000		886.700	**6052 79 5**



Al Aluminium /m

Corrugated aluminium cover, with clamping springs for screwless cover mounting, walkable.
The cover can be used for side heights 60 and 110 mm.

Cover with corrugated sheet for 90° bend



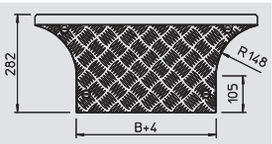
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFB BKS90100	100	4.5		1	55.500	**7130 74 1**
DFB BKS90200	200	4.5		1	135.200	**7130 74 3**
DFB BKS90300	300	4.5		1	261.400	**7130 74 5**
DFB BKS90400	400	4.75		1	618.000	**7130 74 7**
DFB BKS90500	500	4.75		1	842.000	**7130 74 9**
DFB BKS90550	550	4.75		1	964.000	**7130 75 1**
DFB BKS90600	600	4.75		1	1,093.000	**7130 75 3**



Al Aluminium DD Zinc-aluminium coated, double-dip /pc.

Cover for 90° bend with pre-mounted turn-buckle, walkable due to additional checker plate.
The cover can be used with fittings of all side heights.

Cover with corrugated sheet for add-on tee



Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFAA BKS100 DD	100	4.5		1	39.000	**7131 45 0**
DFAA BKS200 DD	200	4.5		1	65.000	**7131 45 2**
DFAA BKS300 DD	300	4.5		1	91.000	**7131 45 4**
DFAA BKS400 DD	400	4.75		1	247.000	**7131 45 6**
DFAA BKS500 DD	500	4.75		1	291.000	**7131 45 8**
DFAA BKS550 DD	550	4.75		1	318.000	**7131 46 0**
DFAA BKS600 DD	600	4.75		1	343.000	**7131 46 2**



Al Aluminium DD Zinc-aluminium coated, double-dip /pc.

Cover for add-on tee with pre-mounted turn-buckle, walkable due to additional checker plate.
The cover can be used with fittings of all side heights.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



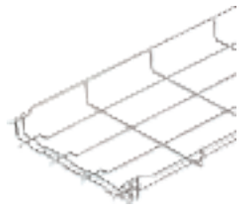
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mesh cable tray systems

	Side height 35 mm	Barrier strip Barrier strip connector	284 284
	Side height 55 mm	Mesh cable tray GR-Magic With barrier strip Barrier strip Barrier strip connector Fittings	285 286 287 287 287
	Side height 105 mm	Mesh cable tray GR-Magic Barrier strip Barrier strip connector Fittings	288 288 288 289
	Accessories for side height 35, 55, 105 mm	Connector Clamping piece Wall clamp and central hanger Stand-off bracket Central suspension Mounting plate Covers Mesh angle	291 296 297
	G mesh cable tray Magic	Side height 50 mm Side height 75 mm Side height 125 mm Side height 150 mm	299 299 299 299
	C mesh cable tray	Side height 50 mm	300

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Mesh cable tray GR-Magic®



Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM 35 50 G	50	3.9	3,000	17,5	0.25	0.11	0.1	45.300	**6000 06 0**
GRM 35 100 G	100	3.9	3,000	35	0.25	0.11	0.1	49.300	**6000 06 2**
GRM 35 150 G	150	3.9	3,000	52,5	0.25	0.11	0.1	63.100	**6000 06 3**
GRM 35 200 G	200	3.9	3,000	70	0.3	0.14	0.1	76.800	**6000 06 4**
GRM 35 300 G	300	4.8	3,000	105	0.75	0.22	0.15	159.100	**6000 06 6**
GRM 35 50 FT	50	3.9	3,000	17,5	0.25	0.11	0.1	46.300	**6000 06 9**
GRM 35 100 FT	100	3.9	3,000	35	0.25	0.11	0.1	50.400	**6000 07 1**
GRM 35 150 FT	150	3.9	3,000	52,5	0.25	0.11	0.1	64.500	**6000 07 2**
GRM 35 200 FT	200	3.9	3,000	70	0.3	0.14	0.3	78.600	**6000 07 3**
GRM 35 300 FT	300	4.8	3,000	105	0.75	0.22	0.15	162.700	**6000 07 5**

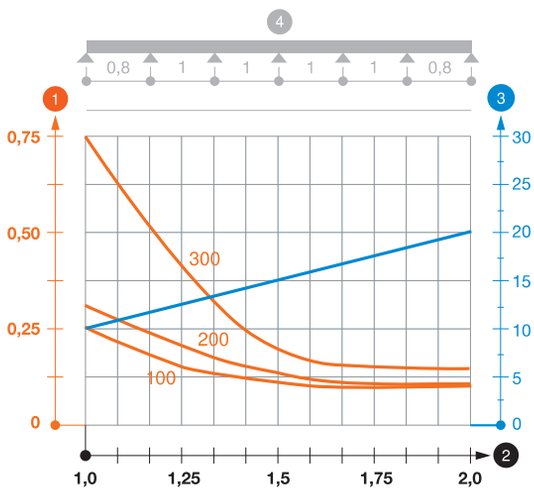
St Steel G Electrogalvanised FT Hot-dip galvanised /m

Mesh cable tray with shaped connector of side height 35 mm.

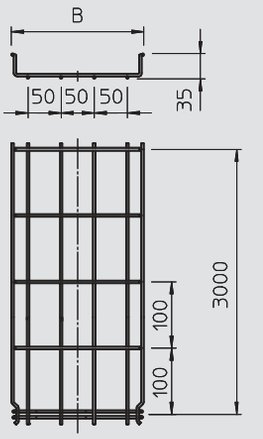
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Load diagram, GR-Magic mesh cable tray, type GRM 35



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



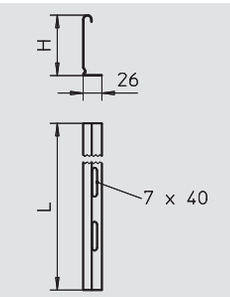
Barrier strip



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 30 FS	30	3,000	3	38.000	**6062 05 0**
TSG 30 DD	30	3,000	3	38.000	**6062 31 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



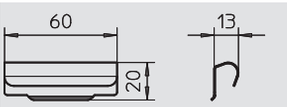
Barrier strip connector



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
TSGV VA4310	10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



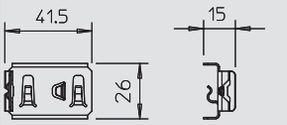
Hold-down clamp for barrier strip fastening



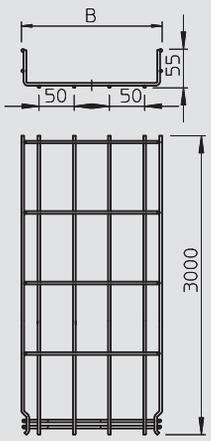
Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
KS GR VA4310	30	0.830	**6062 28 2**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mesh cable tray GR-Magic®



Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM 55 100 F	100	3.9	3,000	40	0.35	0.2	0.1	72.000	**6001 04 0**
GRM 55 150 F	150	3.9	3,000	63	0.35	0.2	0.1	85.700	**6001 04 4**
GRM 55 200 F	200	3.9	3,000	87	0.35	0.2	0.1	99.600	**6001 04 7**
GRM 55 300 F	300	4.8	3,000	129	0.7	0.5	0.25	191.100	**6001 05 0**
GRM 55 400 F	400	4.8	3,000	175	0.9	0.6	0.3	234.600	**6001 05 3**
GRM 55 500 F	500	4.8	3,000	220	0.9	0.6	0.3	276.400	**6001 05 6**
GRM 55 600 F	600	4.8	3,000	265	0.9	0.6	0.3	318.400	**6001 05 9**
GRM 55 50 G	50	3.9	3,000	16	0.35	0.2	0.1	67.000	**6001 44 1**
GRM 55 100 G	100	3.9	3,000	40	0.35	0.2	0.1	72.400	**6001 44 2**
GRM 55 150 G	150	3.9	3,000	63	0.35	0.2	0.1	85.700	**6001 44 4**
GRM 55 200 G	200	3.9	3,000	87	0.35	0.2	0.1	100.000	**6001 44 6**
GRM 55 200 4.8 G	200	4.8	3,000	87	0.7	0.5	0.25	151.000	**6001 44 7**
GRM 55 300 G	300	4.8	3,000	129	0.7	0.5	0.25	194.900	**6001 44 8**
GRM 55 400 G	400	4.8	3,000	175	0.9	0.6	0.3	236.700	**6001 45 0**
GRM 55 450 G	450	4.8	3,000	195	0.9	0.6	0.3	238.000	**6001 45 1**
GRM 55 500 G	500	4.8	3,000	220	0.9	0.6	0.3	279.000	**6001 45 2**
GRM 55 600 G	600	4.8	3,000	265	0.9	0.6	0.3	321.200	**6001 45 4**
GRM 55 50 FT	50	3.9	3,000	16	0.35	0.2	0.1	70.000	**6001 41 5**
GRM 55 100 FT	100	3.9	3,000	40	0.35	0.2	0.1	71.330	**6001 41 6**
GRM 55 150 FT	150	3.9	3,000	63	0.35	0.2	0.1	90.000	**6001 41 8**
GRM 55 200 FT	200	3.9	3,000	87	0.35	0.2	0.1	103.500	**6001 42 0**
GRM 55 200 4.8FT	200	4.8	3,000	87	0.7	0.5	0.25	154.300	**6001 42 1**
GRM 55 300 FT	300	4.8	3,000	129	0.7	0.5	0.25	198.800	**6001 42 4**
GRM 55 400 FT	400	4.8	3,000	175	0.9	0.6	0.3	244.300	**6001 42 8**
GRM 55 450 FT	450	4.8	3,000	195	0.9	0.6	0.3	244.000	**6001 43 0**
GRM 55 500 FT	500	4.8	3,000	220	0.9	0.6	0.3	287.700	**6001 43 2**
GRM 55 600 FT	600	4.8	3,000	265	0.9	0.6	0.3	331.600	**6001 43 6**

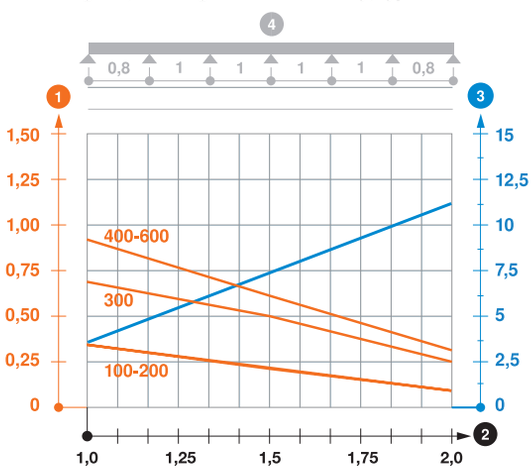
St Steel F Hot-dip galvanised G Electrogalvanised FT Hot-dip galvanised /m

Mesh cable tray with shaped connector of side height 55 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).
Description, surface F = pre-galvanised wires according to DIN EN 10244/2 (surface approx. 10 µm).

Load diagram, GR-Magic mesh cable tray, type GRM 55

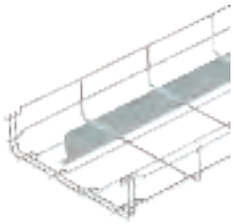


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 55

Mesh cable tray GR-Magic® with barrier strip



Type	Width	Dimension A	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM-T 55 100 G	100	59.5	3.9	3,000	40	0.5	0.5	0.25	116.500	**6006 45 3**
GRM-T 55 200 G	200	59.5	3.9	3,000	87	1	0.6	0.25	144.100	**6006 45 5**
GRM-T 55 300 G	300	199.5	4.8	3,000	129	1.5	0.8	0.4	238.600	**6006 45 6**
GRM-T 55 400 G	400	299.5	4.8	3,000	175	1.5	0.8	0.4	280.800	**6006 45 7**
GRM-T 55 500 G	500	399.5	4.8	3,000	220	1.5	0.8	0.4	323.100	**6006 45 8**

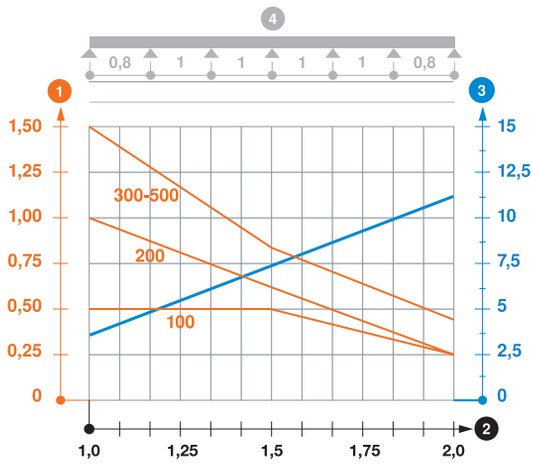
St Steel G Electrogalvanised /m

Mesh cable tray with shaped connector and welded barrier strips of side height 55 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

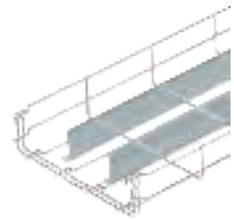
Load diagram, GR-Magic mesh cable tray, type GRM-1T 55



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



Mesh cable tray GR-Magic® with barrier strip



Type	Width	Dimension l1	Dimension l2	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM-2T 55 200 G	200	69	69	3.9	3,000	87	2	1	0.4	188.200	**6006 39 5**
GRM-2T 55 300	300	119	119	4.8	3,000	129	2.3	1.4	0.6	282.700	**6006 39 6**
GRM-2T 55 400 G	400	118	230	4.8	3,000	175	2.3	1.4	0.6	336.700	**6006 39 7**

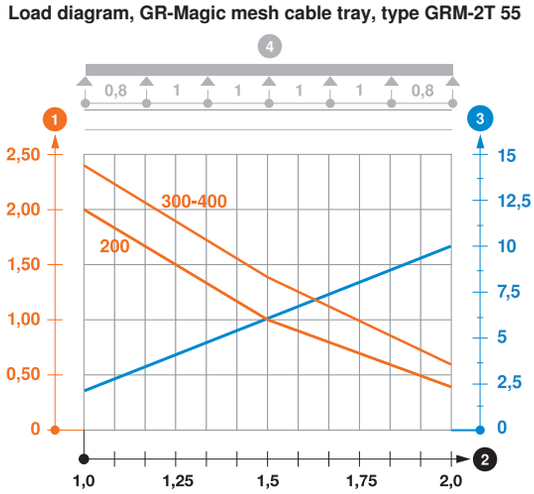
St Steel G Electrogalvanised /m

Mesh cable tray with shaped connector and two welded barrier strips of side height 55 mm.

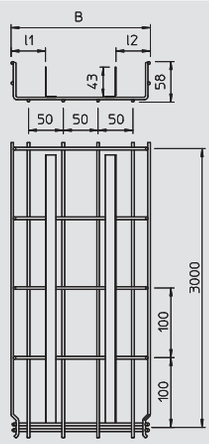
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Load diagram, GR-Magic mesh cable tray, type GRM-2T 55



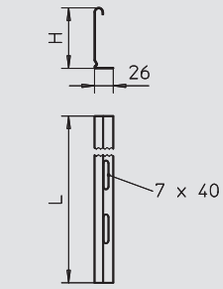
1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Barrier strip



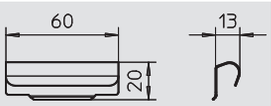
Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 45 FS	45	3,000		3	46.700	**6062 03 3**
TSG 45 DD	45	3,000		3	46.700	**6062 32 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector



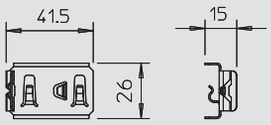
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



Hold-down clamp for barrier strip fastening



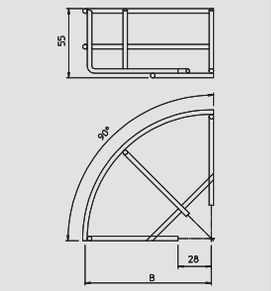
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310		30	0.830	**6062 28 2**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.



90° mesh cable tray bend



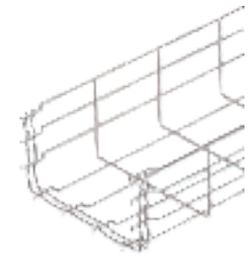
Type	Width mm	Wire Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GRB 90 510 G	100	3.9		1	7.000	**6001 92 0**
GRB 90 515 G	150	3.9		1	14.400	**6001 99 8**
GRB 90 520 G	200	3.9		1	18.400	**6001 93 9**
GRB 90 530 G	300	4.4		1	41.700	**6001 94 7**
GRB 90 540 G	400	4.8		1	65.500	**6001 95 5**
GRB 90 545 G	450	4.8		1	79.500	**6001 95 7**
GRB 90 550 G	500	4.8		1	95.000	**6001 96 3**
GRB 90 560 G	600	4.8		1	114.000	**6001 97 1**
GRB 90 510 FT	100	3.9		1	7.500	**6002 21 8**
GRB 90 515 FT	150	3.9		1	15.100	**6002 22 2**
GRB 90 520 FT	200	3.9		1	20.000	**6002 22 6**
GRB 90 530 FT	300	4.4		1	43.500	**6002 23 4**
GRB 90 540 FT	400	4.8		1	68.000	**6002 24 2**
GRB 90 550 FT	500	4.8		1	100.000	**6002 25 0**
GRB 90 560 FT	600	4.8		1	118.000	**6002 26 9**

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all mesh cable trays of 55 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mesh cable tray GR-Magic®

Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
GRM 105 100 G	100	3.9	3,000	82	0.8	0.55	0.37	0.25	100.000	**6002 40 2**
GRM 105 150 G	150	3.9	3,000	130	0.8	0.55	0.37	0.25	110.600	**6002 40 4**
GRM 105 200 G	200	4.8	3,000	175	1	0.7	0.4	0.25	194.400	**6002 40 6**
GRM 105 300 G	300	4.8	3,000	268	1.6	0.8	0.5	0.3	236.700	**6002 40 8**
GRM 105 400 G	400	4.8	3,000	363	1.6	0.8	0.5	0.3	278.000	**6002 41 0**
GRM 105 450 G	450	4.8	3,000	411	1.6	0.8	0.5	0.3	300.000	**6002 41 3**
GRM 105 500 G	500	4.8	3,000	459	1.6	0.8	0.5	0.3	319.000	**6002 41 5**
GRM 105 600 G	600	4.8	3,000	554	1.6	0.8	0.5	0.3	363.300	**6002 41 7**
GRM 105 100 FT	100	3.9	3,000	82	0.8	0.55	0.37	0.25	103.700	**6002 43 1**
GRM 105 150 FT	150	3.9	3,000	130	0.8	0.55	0.37	0.25	116.000	**6002 43 3**
GRM 105 200 FT	200	4.8	3,000	175	1	0.7	0.4	0.25	200.700	**6002 43 5**
GRM 105 300 FT	300	4.8	3,000	268	1.6	0.8	0.5	0.3	244.000	**6002 43 7**
GRM 105 400 FT	400	4.8	3,000	363	1.6	0.8	0.5	0.3	287.700	**6002 43 9**
GRM 105 450 FT	450	4.8	3,000	411	1.6	0.8	0.5	0.3	309.700	**6002 44 1**
GRM 105 500 FT	500	4.8	3,000	459	1.6	0.8	0.5	0.3	333.000	**6002 44 3**
GRM 105 600 FT	600	4.8	3,000	554	1.6	0.8	0.5	0.3	375.000	**6002 44 5**

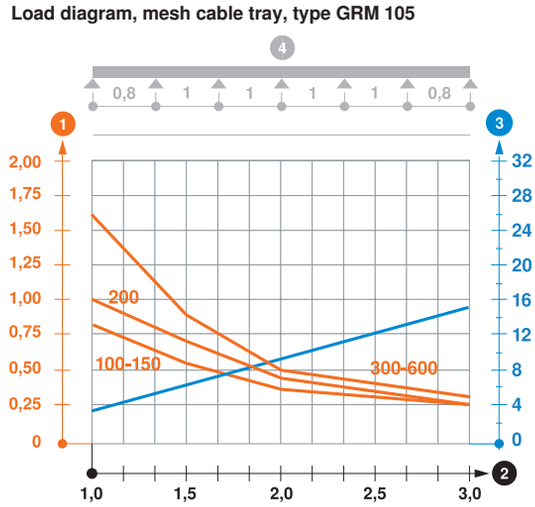
St Steel G Electrogalvanised FT Hot-dip galvanised /m

Mesh cable tray with shaped connector of side height 105 mm.

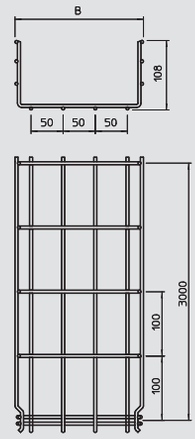
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Load diagram, mesh cable tray, type GRM 105



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



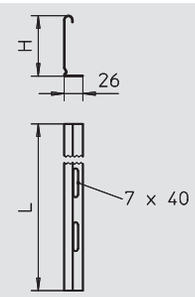


Barrier strip

Type	Dimension H	Plate thickness	Dimension L		Pack.	Weight	Item No.
	mm	mm	mm		m	kg/100 m	
TSG 85 FS	85	0.75	3,000		3	70.300	**6062 11 4**
TSG 85 DD	85	0.75	3,000		3	70.300	**6062 33 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



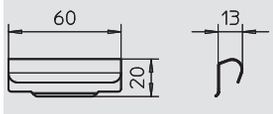


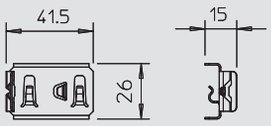
Barrier strip connector

Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





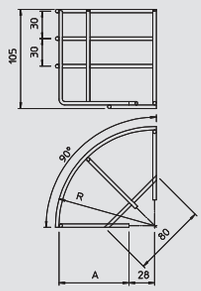
Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310		30	0.830	**6062 28 2**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.



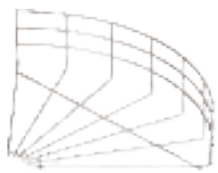


90° mesh cable tray bend

Type	Width mm	Wire Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GRB 90 110 G	100	3.9		1	9.500	**6002 37 0**
GRB 90 115 G	150	3.9		1	18.800	**6002 37 2**
GRB 90 120 G	200	4.4		1	30.400	**6002 37 4**
GRB 90 130 G	300	4.8		1	51.200	**6002 37 6**
GRB 90 140 G	400	4.8		1	78.900	**6002 37 8**
GRB 90 145 G	450	4.8		1	101.300	**6002 38 0**
GRB 90 150 G	500	4.8		1	111.700	**6002 38 2**
GRB 90 160 G	600	4.8		1	132.400	**6002 38 4**
GRB 90 110 FT	100	3.9		1	10.000	**6002 30 7**
GRB 90 115 FT	150	3.9		1	19.700	**6002 31 1**
GRB 90 120 FT	200	4.4		1	31.000	**6002 31 5**
GRB 90 130 FT	300	4.8		1	63.000	**6002 32 3**
GRB 90 140 FT	400	4.8		1	81.900	**6002 33 1**
GRB 90 150 FT	500	4.8		1	116.000	**6002 35 8**
GRB 90 160 FT	600	4.8		1	137.400	**6002 36 6**

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all mesh cable trays of 105 mm side height.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side height 155

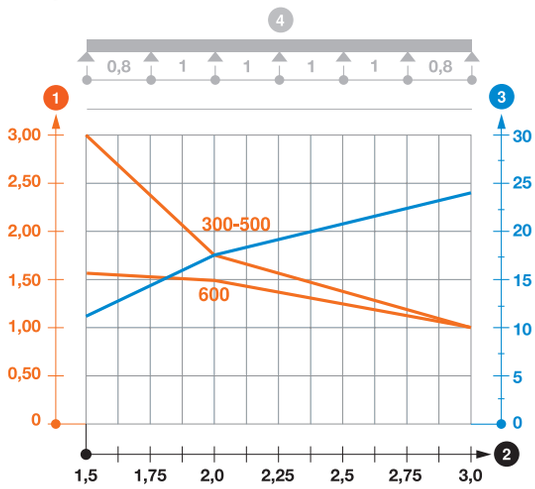


Mesh cable tray GR

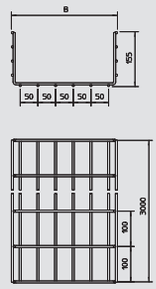
Type	Width	Wire Ø	Length	Appr. load: 1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kg/100 m	
GR 155 300 G	300	6	3,000	3	1.8	1	428.000	**6003 68 1**
GR 155 450 G	450	6	3,000	3	1.8	1	510.000	**6003 68 4**
GR 155 500 G	500	6	3,000	3	1.8	1	557.800	**6003 68 5**
GR 155 600 G	600	6	3,000	1.56	1.5	1	630.000	**6003 68 7**
GR 155 300 FT	300	6	3,000	3	1.8	1	441.000	**6003 69 2**
GR 155 450 FT	450	6	3,000	3	1.8	1	525.000	**6003 69 5**
GR 155 500 FT	500	6	3,000	3	1.8	1	574.600	**6003 69 6**
GR 155 600 FT	600	6	3,000	1.56	1.5	1	650.000	**6003 69 8**

St Steel G Electrogalvanised FT Hot-dip galvanised /m

Mesh cable tray made of spot-welded steel wire of side height 155 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

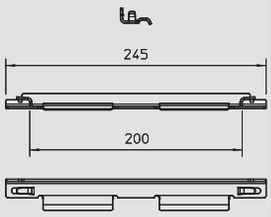


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



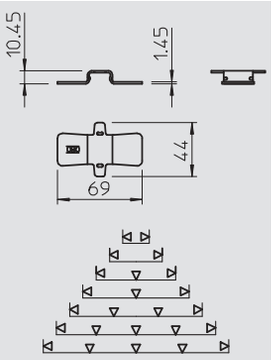
Mesh cable tray connector, long

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GRV 245 FS	245		50	13.500	6016 68 0
GRV 245 DD	245		50	13.500	6016 68 4

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Long mesh cable tray connectors for screwless straight connection of mesh cable trays
Two straight connectors, type GRV 245, are used for each connection point.





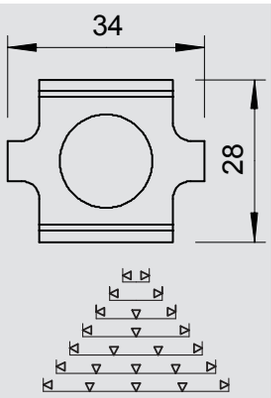
Quick connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GRS 3.9 DD		50	2.500	6016 54 5
GRS 4.4 DD		50	2.500	6016 55 3
GRS 4.8 DD		50	2.500	6016 56 1

St Steel DD Zinc-aluminium coated, double-dip /pc.

Quick connector for screwless straight connection of mesh cable trays without special tools.
When selecting the connector, please take the appropriate wire thickness of the mesh cable tray into account.





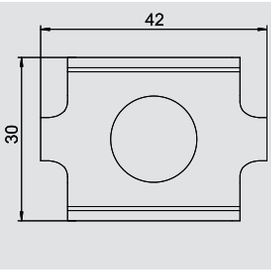
Joint connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 G		25	3.000	6016 59 6
GSV 34 FT		25	3.000	6016 63 4

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

Screwed version of joint connector for cable trays.
Including FRS M6 x 20 bolt with flange nut.





Joint connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 6.0 G		20	5.000	6016 58 9
GSV 6.0 FT		20	5.000	6016 59 0

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

Screwed version of joint connector for mesh cable trays with 6.0 mm wire thickness.
Including FRS M6 x 20 bolt with combination nut.





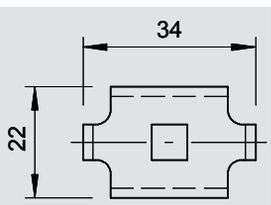
Mesh cable tray connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
K 11 262 FT		25	7.500	6015 10 7

St Steel FT Hot-dip galvanised /pc.

Screwed version of joint connector for mesh cable trays.
Including screw of type FRS M6 x 20.





Clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 G		100	2.000	6016 85 5
GKS 34 FT		100	2.000	6016 82 0

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

Clamp for fastening mesh cable trays to wall or support brackets.
Including FRS M6 x 20 bolt with nut-and-washer assembly.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for side height 35, 55, 105, 155 mm

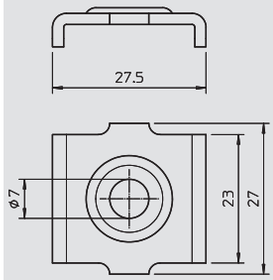
Clamp



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKB 34 G		50	1.000	6016 67 4

St Steel G Electrogalvanised /pc.

Clamp for fastening mesh cable trays of width 50 mm to the floor.



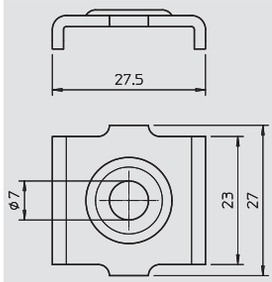
Clamp VA



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKB 34 VA		50	1.000	6016 67 6

V2A Stainless steel, grade 304 /pc.

Clamp for fastening mesh cable trays of width 50 mm to the floor.



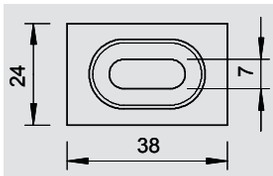
Clamp



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 G		100	2.300	6017 03 7
GKT 38 FT		100	2.400	6017 06 1

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

Clamp for fastening barrier strips in mesh cable trays.
Including FRS M6 x 20 bolt with flange nut.



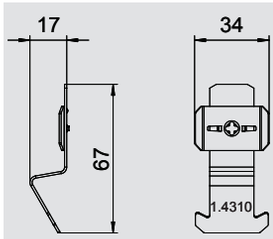
Hold down clip



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BC GR MS VA4310		20	1.760	6016 66 5

V2A Stainless steel, grade 301 /pc.

Fastening bracket for the screwless mounintg of mesh cable trays onto MS profile rails.



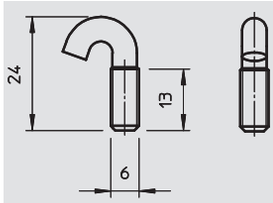
Hook screw



Type	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
HS M6 VA4567	M6		100	0.500	1154 99 0

V2A Stainless steel, 1.4567 /100 pc.

Hook screw for fastening cable tracks on the bracket.



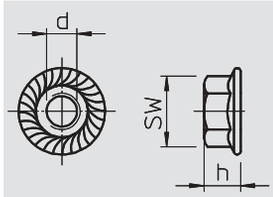
Flange nut



Type	Dimension d mm	Dimension h mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4301	6	6	10		100	0.315	6408 96 6

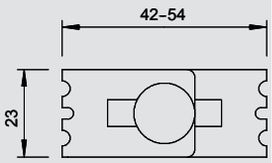
V2A Stainless steel, grade 304 /100 pc.

Nut with pressed washer.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



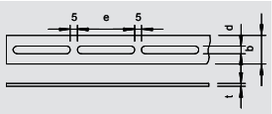
Corner connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 G		100	3.000	**6016 71 5**
GEV 36 FT		100	3.000	**6016 72 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /pc.

Corner connector for the creation of mesh cable tray bend elements.
Including FRS M6 x 20 bolt with flange nut.





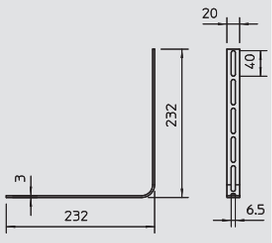
Slotted steel strap

Type	Length mm	Dimension b mm	Dimension t mm	Dimension e mm	Dimension d mm	Weight kg/100 pcs.	Item No.
5050 20X3x270 FT	270	20	3	40	6.5	9.200	**1466 50 0**
5050 20X3 1M FT	1,000	20	3	40	6.5	34.100	**1466 50 4**

St Steel FT Hot-dip galvanised /100 pc.

Perforated slotted steel strap in strips.
Length: 3,000 mm.





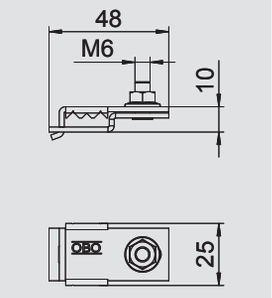
Slotted steel strap, bent

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
5050 20X3 FT	20x3		25	23.000	**6017 37 1**

St Steel FT Hot-dip galvanised /pc.

Bent slotted steel strap for creation of bends and tees.
Set includes four clamps, type GKS 34.





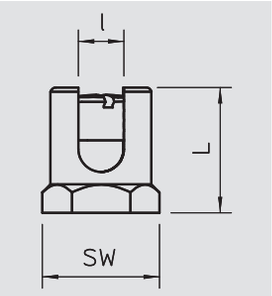
Grounding clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VEK-GRM 3.9 FS		25	3.850	**6016 69 4**
VEK-GRM 4.8 FS		1	3.800	**6016 69 6**

St Steel FS Strip-galvanised /pc.

The connection and earthing terminal is used to reduce electrical resistance and therefore improves the electric conductivity in mesh cable systems in the area of the joint allowing to fulfil the high demands in terms of the transition resistance according to e.g. NEMA and CSA. Furthermore, the connection and earthing terminal is compulsary when used as a protective conductor in a mesh cable tray system (Note: National regulations have to be followed when creating such a system).





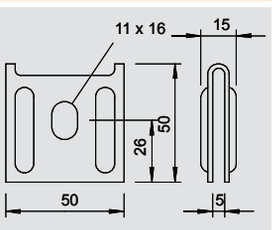
Earthing screw

Type	Dimension L mm	Dimension l mm	Cross-section mm²	SW mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
B 33020	22	8	25	18	M6		50	3.100	**6404 00 6**
B 33021	26	10	35	21	M6		50	4.800	**6404 01 4**

CuZn Brass Bright /100 pc.

Earthing screw for fastening the equipotential bonding wire to the cable support system.





Wall clamp / central hanger

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
K 12 1818 FS		25	7.600	**6437 10 9**
K12 1818 VA4301		25	7.600	**6016 42 1**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Wall clamp and central hanger for mesh cable trays.
Recommendation:
As wall mounting up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.

As a trapeze suspension from a width of 300 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for side height 35, 55, 105, 155 mm

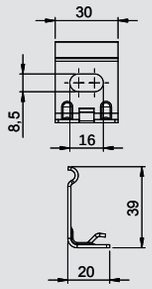


Wall clamp for GRM 35 50

Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WH GRM35 FT	35	50		10	1.950	**6016 44 3**

St Steel FT Hot-dip galvanised /pc.

Wall clamp for fastening of mesh cable trays GRM 35 50



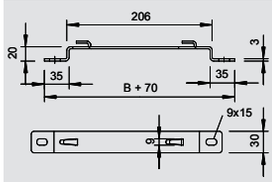


Stand-off bracket

Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBLG 20 050 FS	50		20	10.300	**6015 64 6**
DBLG 20 100 FS	100		20	13.800	**6015 65 4**
DBLG 20 150 FS	150		20	17.400	**6015 65 8**
DBLG 20 200 FS	200		20	20.900	**6015 66 2**
DBLG 20 300 FS	300		20	37.300	**6015 67 0**
DBLG 20 400 FS	400		20	46.700	**6015 68 9**
DBLG 20 500 FS	500		25	56.900	**6015 69 3**
DBLG 20 600 FS	600		25	66.400	**6015 69 7**
DBLG 20 050 FT	50		20	10.700	**6015 64 8**
DBLG 20 100 FT	100		20	14.300	**6015 65 6**
DBLG 20 150 FT	150		20	18.100	**6015 66 0**
DBLG 20 200 FT	200		20	21.700	**6015 66 4**
DBLG 20 300 FT	300		20	38.800	**6015 67 2**
DBLG 20 400 FT	400		20	48.600	**6015 69 1**
DBLG 20 500 FT	500		25	59.200	**6015 69 5**
DBLG 20 600 FT	600		25	69.100	**6015 69 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Stand-off bracket for stand-off of mesh cable trays on the floor or on the wall.
Screwless fastening of the mesh cable tray on the stand-off bracket.





Threaded rod

Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M G	M8	8	1,000		50	30.000	**3141 12 8**
2078 M10 1M G	M10	10	1,000		25	49.000	**3141 20 9**
2078 M12 1M G	M12	12	1,000		20	100.000	**3141 30 6**

St Steel G Electrogalvanised /100 pc.

Threaded rod to DIN 976.





Threaded rod VA

Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M V2A	M8	8	1,000		50	30.000	**3141 31 0**
2078 M10 1M V2A	M10	10	1,000		25	49.000	**3141 31 2**
2078 M12 1M V2A	M12	12	1,000		20	70.000	**3141 31 4**

V2A Stainless steel, grade 304 /100 pc.

Threaded rod to DIN 976.



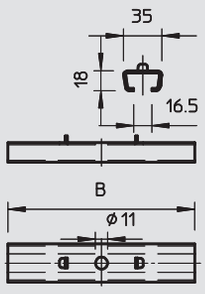


Central suspension

Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 170 FS	170		25	20.000	**6015 40 0**
GMS 270 FS	270		25	32.000	**6015 40 2**
GMS 370 FS	370		25	43.000	**6015 40 4**
GMS 470 FS	470		10	55.000	**6015 40 6**
GMS 570 FS	570		10	67.000	**6015 40 8**

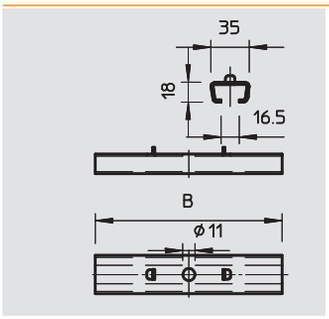
St Steel FS Strip-galvanised /pc.

Central suspension including clamp for mesh cable tray suspensions.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



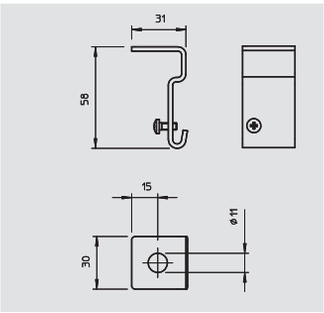
Central suspension VA

Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 170 VA4404	170		25	20.000	**6015 41 8**
GMS 270 VA4404	270		25	32.000	**6015 41 9**
GMS 370 VA4404	370		25	43.000	**6015 42 0**
GMS 470 VA4404	470		10	55.000	**6015 42 1**
GMS 570 VA4404	570		10	67.000	**6015 42 2**

V4A Stainless steel, grade 316 L /pc.

Central hanger including clamp for mesh cable tray suspensions.





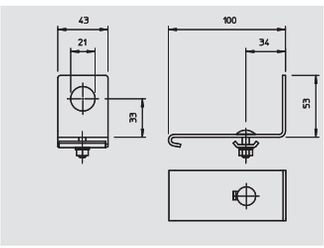
Side holder

Type	For threaded rod		Pack. pcs	Weight kg/100 pcs.	Item No.
SH M10 FS	M10		50	5.500	**6015 33 6**
SH M10 FT	M10		50	5.800	**6015 33 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Side holder for suspension of mesh cable trays.





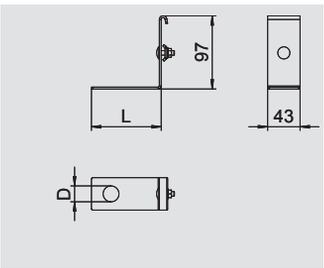
Conduit take-off bracket

Type	Hole-Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SH KAB 20 FS	20		10	15.000	**6015 42 5**
SH KAB 25 FS	25		10	14.700	**6015 43 3**

St Steel FS Strip-galvanised /pc.

Conduit take-off bracket with punched hole for accepting cable glands.





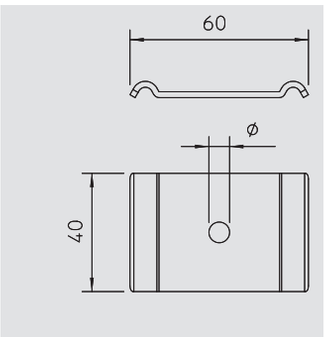
Conduit take-off bracket

Type	Dimension D Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SH KAB-L 20 FS	21		10	18.400	**6015 43 9**
SH KAB-L 25 FS	26		10	18.000	**6015 44 0**

St Steel FS Strip-galvanised /pc.

Conduit take-off bracket with punched hole for accepting cable glands.





Hold-down clamp

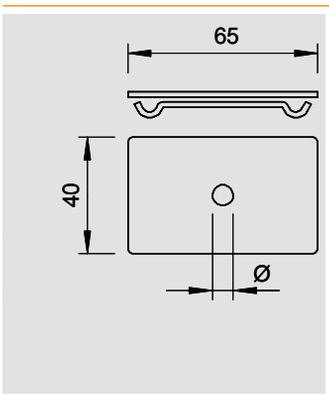
Type	Hole-Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 50 07 FS	7		50	4.000	**6015 26 3**
GKS 50 11 FS	11		50	4.000	**6015 27 6**
GKS 50 07 FT	7		50	4.100	**6015 27 1**
GKS 50 11 FT	11		50	4.100	**6015 27 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Hold-down clamp for fastening mesh cable trays on the ground or on stand-off brackets of type DBL.

Use on mesh cable trays with 50 x 100 mm grid only.





Central suspension

Type	Hole-Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMA M6 FS	7		25	8.000	**6015 22 0**
GMA M8 FS	9		25	8.300	**6015 23 9**
GMA M10 FS	11		25	8.300	**6015 24 7**
GMA M6 FT	7		25	8.400	**6015 22 4**
GMA M8 FT	9		25	8.300	**6015 24 3**
GMA M10 FT	11		25	8.400	**6015 25 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Two-part centre suspension of mesh cable trays.

When filling with cables, please ensure an even distribution. The maximum recommended mesh cable tray width is 200 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for side height 35, 55, 105, 155 mm

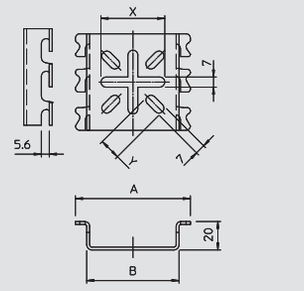


Mounting plate

Type	Dimension A mm	Dimension B mm	Dimension x mm	Dimension y mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MPG 65 FT	81	65	45	15	30	9.200	**6006 48 6**
MPG 90 FT	111	95	45	38	30	16.800	**6006 48 7**

St Steel FT Hot-dip galvanised /pc.

Mounting for screwless fastening on mesh cable trays.





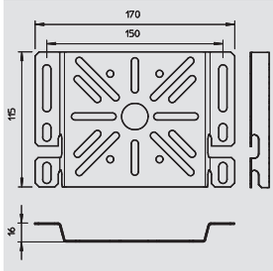
Mounting plate

Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170	40	13.300	**7084 77 3**
MP UNI DD	115	170	40	13.300	**7085 11 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Mounting plate, for fastening on the side rail of cable support systems.

Please order the truss-head bolt, type FRSB 6 x 12, separately.





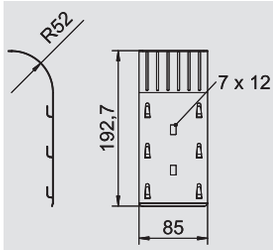
Drop-out plate

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KAB GR FS	10	14.100	**6220 13 9**
KAB GR FT	10	14.100	**6220 14 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Drop-out plate for mesh cable trays.

The cable exit plate allows compliance with specific bend radii (fibre-optic cables), thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.





Identification clip

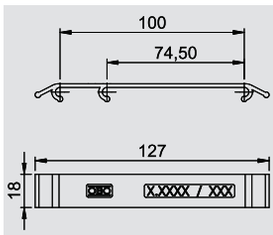
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR LGR	Light grey	10	0.920	**6017 71 0**
KS GR VKG	Traffic grey B	10	0.920	**6017 71 1**
KS GR OR	Pastel orange	10	0.920	**6017 71 2**
KS GR ZGB	Zinc yellow	10	0.920	**6017 71 3**
KS GR LBL	Light blue	10	0.920	**6017 71 4**
KS GR SGN	Signal green	10	0.920	**6017 71 5**

PA Polyamide /pc.

Identification clip for screwless fastening on mesh cable trays.

Versions in light grey and stone grey with labelling of SS304 and SS316 or in zinc yellow, pastel orange, light blue and signal green for labelling.

The identification clip is fastened to the mesh cable tray without screws simply by attaching it.





Cover

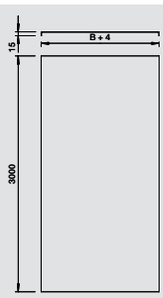
Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
DRLU 050 FS	50	0.75	3,000	44.700	**6052 05 6**
DRLU 100 FS	100	0.75	3,000	74.200	**6052 10 3**
DRLU 150 FS	150	0.75	3,000	138.200	**6052 15 3**
DRLU 200 FS	200	1	3,000	177.400	**6052 21 0**
DRLU 300 FS	300	1	3,000	255.900	**6052 30 7**
DRLU 400 FS	400	1	3,000	334.500	**6052 40 5**
DRLU 500 FS	500	1.25	3,000	619.400	**6052 51 2**
DRLU 600 FS	600	1.25	3,000	737.100	**6052 60 9**
DRLU 050 DD	50	0.75	3,000	44.700	**6052 64 0**
DRLU 100 DD	100	0.75	3,000	74.200	**6052 64 3**
DRLU 150 DD	150	0.75	3,000	138.200	**6052 64 7**
DRLU 200 DD	200	1	3,000	177.400	**6052 65 0**
DRLU 300 DD	300	1	3,000	255.900	**6052 65 6**
DRLU 400 DD	400	1	3,000	338.300	**6052 66 2**
DRLU 500 DD	500	1.25	3,000	619.500	**6052 66 8**
DRLU 600 DD	600	1.25	3,000	737.100	**6052 67 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Cover for cable trays and mesh cable trays.

Take appropriate constructive protection measures if there are high wind speeds.

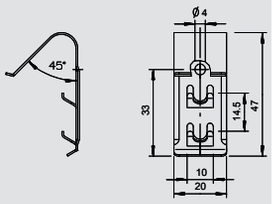
Cross beading from 500 mm width.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cover clamp, universal



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

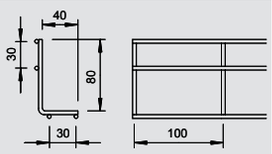
V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



Mesh angle



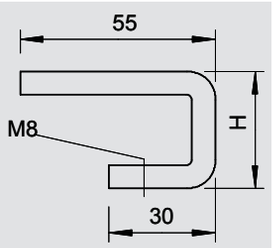
Type	Length mm		Weight kg/100 m	Item No.
GW 40 80 FT	2,000		63.000	**6003 81 8**

St Steel FT Hot-dip galvanised /m

Mesh angle for routing cables in steel girders.



Beam clamping



Type	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KL 20 FT	20		10	22.000	**6003 85 0**
KL 30 FT	30		10	24.000	**6003 86 9**

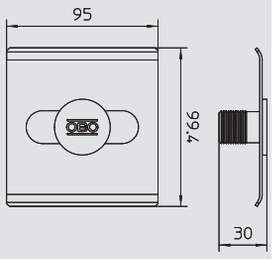
St Steel FT Hot-dip galvanised /pc.

Beam clamp for fastening the mesh angle, type GW 40/80 to steel girders.

When selecting the beam clamp, please take the flange thickness of the steel girder into account.



Hold-down clamp for mesh cable trays on FangFix systems



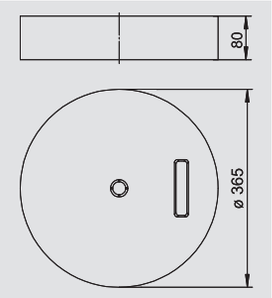
Type	Dimension	Scope of delivery:		Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix	ø20mm	Retaining plate with fastening plug for FangFix		25	9.850	**5403 10 0**

/100 pc.

- Mounting system for fastening mesh cable trays on FangFix blocks of 10 or 16 kg for cable routing on flat roofs.
- Minimum width of the mesh cable tray: 100 mm



Concrete block for FangFix system 16 kg



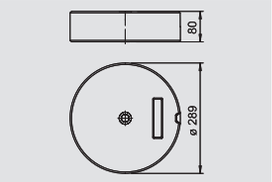
Type	Nominal size Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S16	365		1	1,700.000	**5403 22 7**

/100 pc.

- 16 kg stone of Ø 365 mm, high level of stability
- Concrete, frost-resistant
- Stackable



Concrete block for FangFix system 10 kg



Type	Nominal size Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-S10	289		1	1,000.000	**5403 11 7**

/100 pc.

- 10 kg stone of Ø 289 mm, high level of stability
- Concrete, frost-resistant
- Stackable



Basis for FangFix system 16 kg

Type	Nominal size Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B16	373		10	16.400	**5403 23 5**

PP Polypropylene /100 pc.

Edge protection with integrated dowel (basic) suitable for FangFix system.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for side height 35, 55, 105, 155 mm

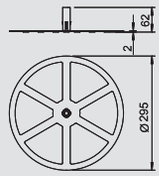
Basis for FangFix system 10 kg



Type	Nominal size Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
F-FIX-B10	295		10	7.600	**5403 12 4**

PP Polypropylene /100 pc.

Edge protection with integrated dowel (basic) suitable for FangFix 10 system.



Bolt cutter



Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GR BS	450		1	160.000	**6017 70 0**

St Steel /pc.

Bolt cutter for cutting mesh cable trays.

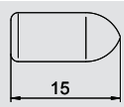
End cap



Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
GR KS 3.9 OR	Pastel orange		500	0.025	**6003 75 0**
GR KS 4.8 OR	Pastel orange		500	0.030	**6003 75 4**
GR KS 6.0 OR	Pastel orange		500	0.036	**6003 75 8**

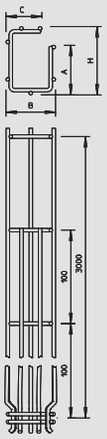
PE Polyethylene /100 pc.

Protective cap for attachment to cut wire ends of mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



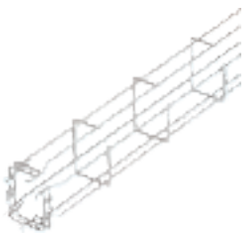
G mesh cable tray Magic, side height 50 mm

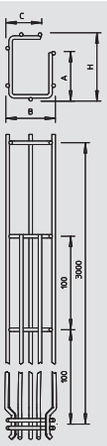
> 30%

Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 50 50 G	55	55	33	40	3,000		67.100	**6005 53 5**
G-GRM 50 50 FT	55	55	33	40	3,000		68.600	**6005 52 0**

St Steel G Electrogalvanised FT Hot-dip galvanised /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.





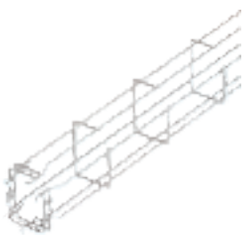
G mesh cable tray Magic, side height 75 mm

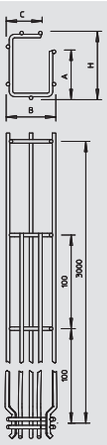
> 30%

Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 75 50 G	53	73	40	53	3,000		79.900	**6005 53 8**
G-GRM 75 50 FT	53	73	40	53	3,000		81.700	**6005 52 3**

St Steel G Electrogalvanised FT Hot-dip galvanised /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.





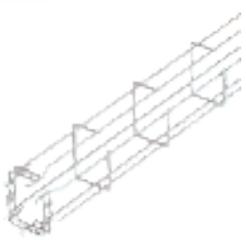
G mesh cable tray Magic, side height 125 mm

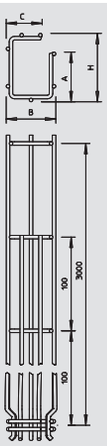
> 30%

Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 125 75 G	75	125	40	96	3,000		109.000	**6005 54 1**
G-GRM 125 75 FT	75	125	40	96	3,000		111.500	**6005 52 6**

St Steel G Electrogalvanised FT Hot-dip galvanised /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.





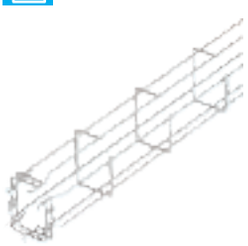
G mesh cable tray Magic, side height 150 mm

> 30%

Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 150 100 G	100	155	70	120	3,000		128.000	**6005 54 4**
G-GRM 150 100 FT	100	155	70	120	3,000		130.900	**6005 52 9**

St Steel G Electrogalvanised FT Hot-dip galvanised /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

C mesh cable tray

C mesh cable tray CGR

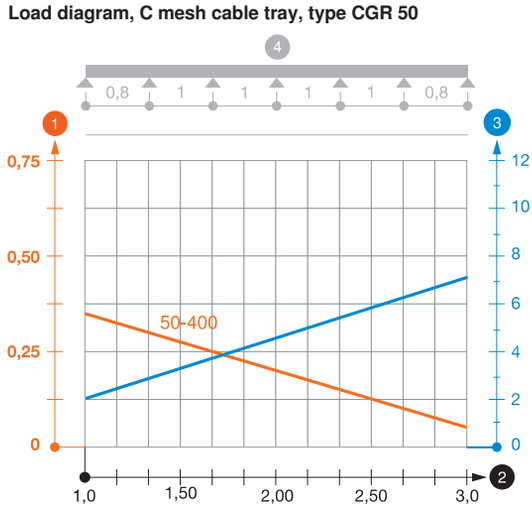


Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
CGR 50 50 FT	50	4.5	3,000	13	0.32	0.25	0.18	132.000	**6017 42 8**
CGR 50 100 FT	100	4.5	3,000	34	0.32	0.25	0.18	140.000	**6017 43 6**
CGR 50 200 FT	200	4.5	3,000	75	0.32	0.25	0.18	180.000	**6017 44 4**
CGR 50 300 FT	300	4.5	3,000	116	0.32	0.25	0.18	210.000	**6017 45 2**
CGR 50 400 FT	400	4.5	3,000	157	0.32	0.25	0.18	240.000	**6017 46 0**

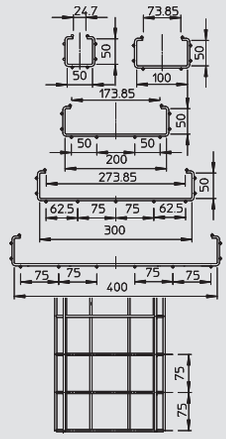
St Steel FT Hot-dip galvanised /m

C-shaped mesh cable tray made of spot-welded steel wire of side height 50 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

Load diagram, C mesh cable tray, type CGR 50



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



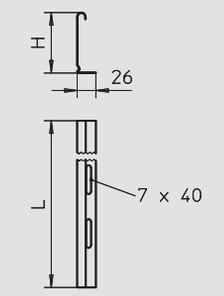
Barrier strip



Type	Dimension H	Dimension L	Pack.	Weight	Item No.
	mm	mm	m	kg/100 m	
TSG 30 FS	30	3,000	3	38.000	**6062 05 0**
TSG 30 DD	30	3,000	3	38.000	**6062 31 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



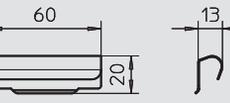
Barrier strip connector



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
TSGV VA4310	10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



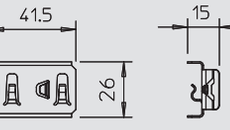
Hold-down clamp for barrier strip fastening



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
KS GR VA4310	30	0.830	**6062 28 2**

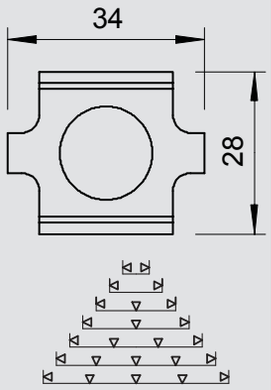
V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



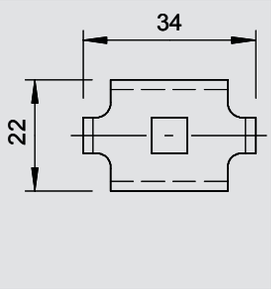
Joint connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 FT		25	3.000	**6016 63 4**

St Steel FT Hot-dip galvanised /pc.

Screwed version of joint connector for mesh cable trays.
Including FRS M6 x 20 bolt with flange nut.





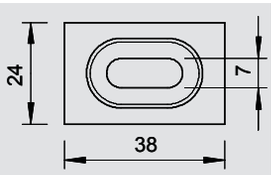
Clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 FT		100	2.000	**6016 82 0**

St Steel FT Hot-dip galvanised /pc.

Clamp for fastening mesh cable trays to wall or support brackets.
Including FRS M6 x 20 bolt with flange nut.





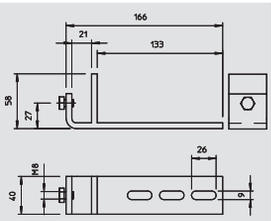
Clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 FT		100	2.400	**6017 06 1**

St Steel FT Hot-dip galvanised /pc.

Clamp for fastening barrier strips in mesh cable trays.
Including FRS M6 x 20 bolt with flange nut.





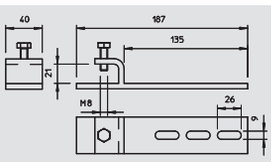
Beam clamp

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 132 58 FT	132	99		25	39.000	**6003 88 0**
BFK 166 58 20 FT	166	133		20	45.000	**6003 88 8**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs vertically.





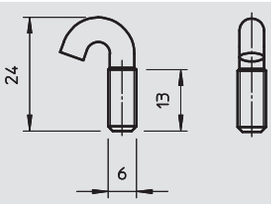
Beam clamp

Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 153 33 FT	153	101		25	37.000	**6003 88 4**
BFK 187 33 FT	187	135		20	43.000	**6003 89 2**

St Steel FT Hot-dip galvanised /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.





Hook screw

Type	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
HS M6 VA4567	M6		100	0.500	**1154 99 0**

V2A Stainless steel, 1.4567 /100 pc.

Hook screw for fastening cable tracks on the bracket.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

C mesh cable tray

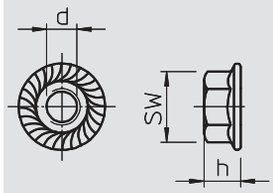


Flange nut

Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4301	6	6	10	100	0.315	**6408 96 6**

V2A Stainless steel, grade 304 /100 pc.

Nut with pressed washer.





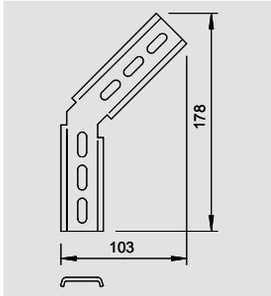
45° mounting angle

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MW 45 SL10 FT	50	21.000	**6017 32 0**

St Steel FT Hot-dip galvanised /pc.

45° installation profile, vertical, for C mesh cable tray and GR-Magic mesh cable tray with a side height of 55 mm.

Each with two clamps of type KS 23/35.





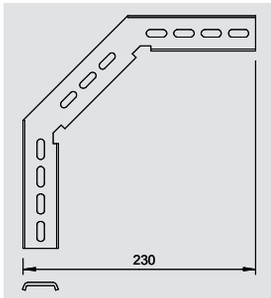
90° mounting angle

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MW 90 SL17 FT	50	27.000	**6017 34 7**
MW 90 SL23 FT	25	35.400	**6017 35 5**

St Steel FT Hot-dip galvanised /pc.

90° installation profile, vertical, for C mesh cable tray and GR-Magic mesh cable tray with a side height of 55 mm.

Each with two clamps of type KS 23/35.





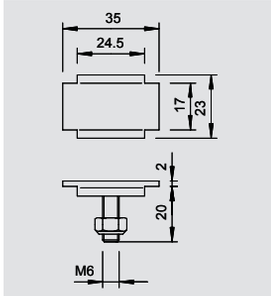
Clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KS 23 35 FT	100	2.015	**6015 17 4**

St Steel FT Hot-dip galvanised /pc.

Clamp for mounting angle, type MW 45 and MW 90.

Including M6 locknut.





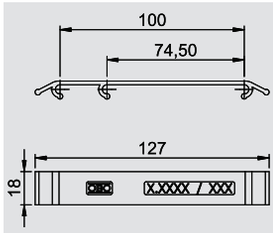
Identification clip

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR LGR	Light grey	10	0.920	**6017 71 0**
KS GR VKG	Traffic grey B	10	0.920	**6017 71 1**
KS GR OR	Pastel orange	10	0.920	**6017 71 2**
KS GR ZGB	Zinc yellow	10	0.920	**6017 71 3**
KS GR LBL	Light blue	10	0.920	**6017 71 4**
KS GR SGN	Signal green	10	0.920	**6017 71 5**

PA Polyamide /pc.

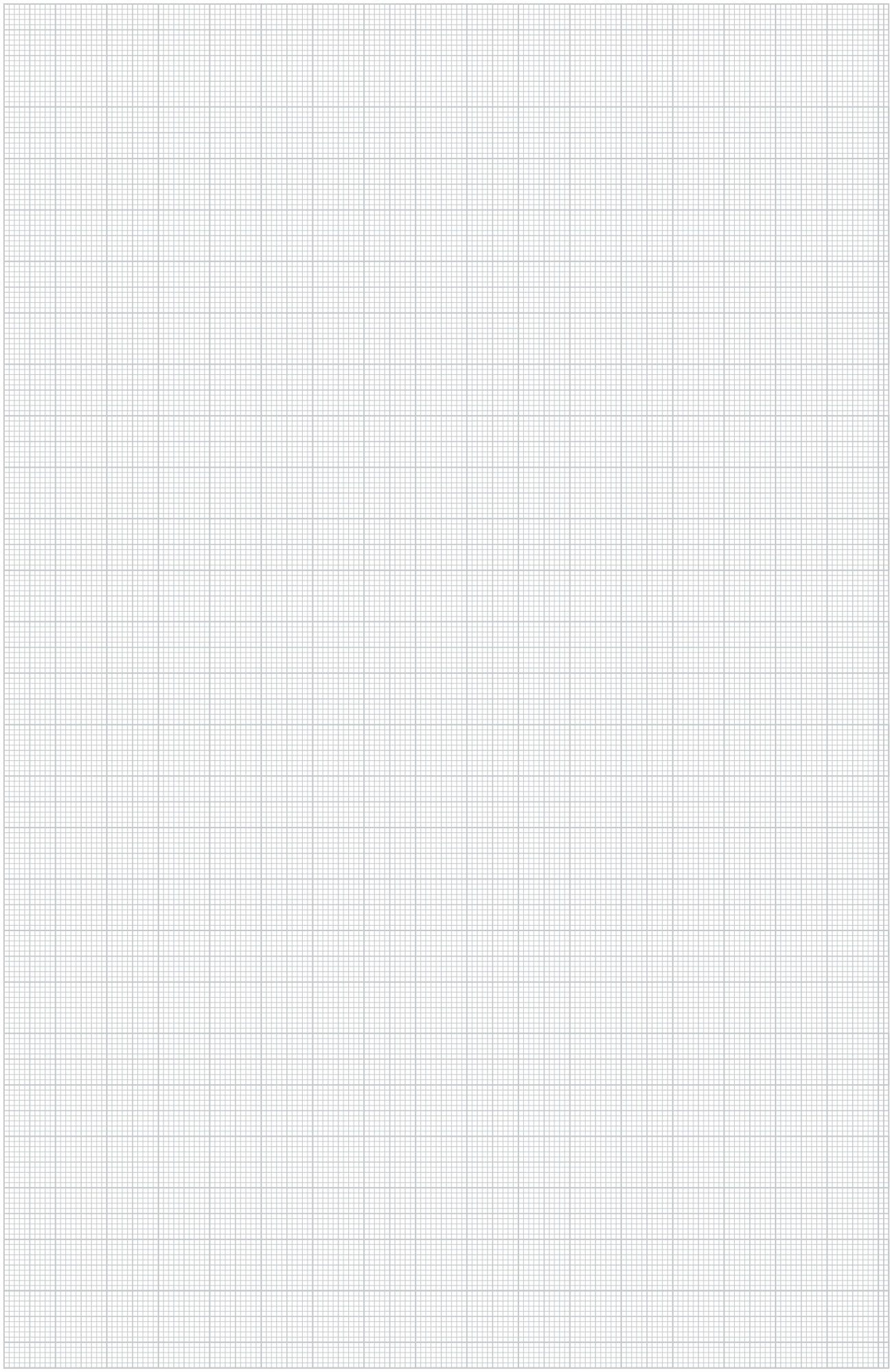
Identification clip for screwless fastening on mesh cable trays.
Versions in light grey and stone grey with labelling of SS304 and SS316 or in zinc yellow, pastel orange, light blue and signal green for labelling.

The identification clip is fastened to the mesh cable tray without screws simply by attaching it.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable ladder systems

	Side rail height 45 mm	Light-duty rung, cable ladder length 3.0 m, Rail thickness 1.25 mm	306
		Light-duty rung, cable ladder length 6.0 m, Rail thickness 1.25 mm	
		Light-duty rung, cable ladder length 3.0 m, Rail thickness 2.0 mm	308
		Light-duty rung, cable ladder length 6.0 m, Rail thickness 2.0 mm	
		Connector, side rail height 45 mm	308
		Fittings, side rail height 45 mm	310
	Side rail height 60 mm	Light-duty rung, cable ladder length 6.0 m, Rail thickness 1.5 mm	311
		Medium-duty rung, cable ladder length 6.0 m, Rail thickness 1.5 mm	312
		Connector, side rail height 60 mm	314
		Fittings, side rail height 60 mm	315
	Side rail height 110 mm	Medium-duty rung, cable ladder length 6.0 m, Rail thickness 1.5 mm	318
		Connector, side rail height 110 mm	319
		Fittings, side rail height 110 mm	320
	Accessories for side rail height 45, 60, 110 mm	Hold-down clamps	322
		Supports	
		Insert plates	324
		Covers	324

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 45 mm



Cable ladder LG 45

Type	Width	Rail thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 420 NS 3000FS	200	1.25	3,000	68	1.8	1.4	1	0.55	188.300	**6200 50 8**
LG 430 NS 3000FS	300	1.25	3,000	103	1.8	1.4	1	0.55	202.500	**6200 51 1**
LG 440 NS 3000FS	400	1.25	3,000	138	1.8	1.4	1	0.55	216.700	**6200 51 4**
LG 450 NS 3000FS	500	1.25	3,000	173	1.8	1.4	1	0.55	243.700	**6200 51 7**
LG 460 NS 3000FS	600	1.25	3,000	208	1.8	1.4	1	0.55	260.800	**6200 52 0**
LG 420 NS 6000FS	200	1.25	6,000	68	1.8	1.4	1	0.55	188.500	**6200 58 3**
LG 430 NS 6000FS	300	1.25	6,000	103	1.8	1.4	1	0.55	205.500	**6200 58 6**
LG 440 NS 6000FS	400	1.25	6,000	138	1.8	1.4	1	0.55	216.800	**6200 58 9**
LG 450 NS 6000FS	500	1.25	6,000	173	1.8	1.4	1	0.55	243.800	**6200 59 2**
LG 460 NS 6000FS	600	1.25	6,000	208	1.8	1.4	1	0.55	260.800	**6200 59 5**
LG 420 NS 6000FT	200	1.25	6,000	68	1.8	1.4	1	0.55	203.000	**6200 60 5**
LG 430 NS 6000FT	300	1.25	6,000	103	1.8	1.4	1	0.55	218.000	**6200 60 8**
LG 440 NS 6000FT	400	1.25	6,000	138	1.8	1.4	1	0.55	233.000	**6200 61 1**
LG 450 NS 6000FT	500	1.25	6,000	173	1.8	1.4	1	0.55	261.300	**6200 61 4**
LG 460 NS 6000FT	600	1.25	6,000	208	1.8	1.4	1	0.55	278.000	**6200 61 7**

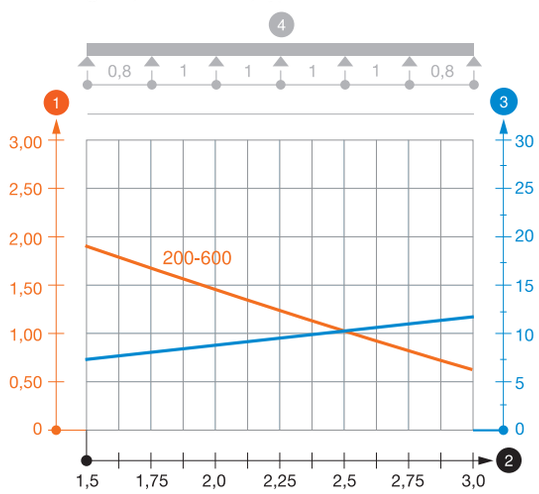
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 45 mm with riveted C profile rungs, open in an upwards direction.

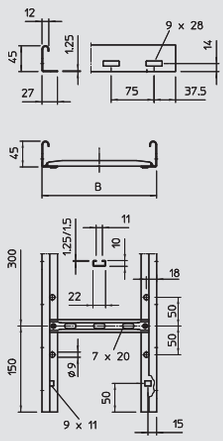
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056/N in the vertical ladder systems chapter.

Load diagram, cable ladder, type LG 45 NS

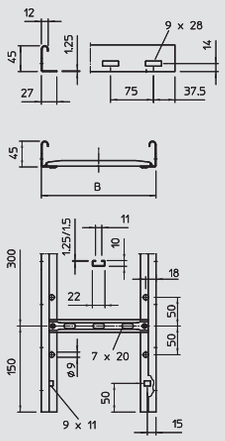


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable ladder LGN 45

Type	Width	Rail thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LGN 420 NS 3 FS	200	1.25	3,000	68	1.8	1.4	1	0.55	199.300	**6200 68 0**
LGN 430 NS 3 FS	300	1.25	3,000	103	1.8	1.4	1	0.55	213.500	**6200 68 2**
LGN 440 NS 3 FS	400	1.25	3,000	138	1.8	1.4	1	0.55	227.700	**6200 68 4**
LGN 450 NS 3 FS	500	1.25	3,000	173	1.8	1.4	1	0.55	254.500	**6200 68 6**
LGN 460 NS 3 FS	600	1.25	3,000	208	1.8	1.4	1	0.55	271.500	**6200 68 8**
LGN 420 NS 6 FS	200	1.25	6,000	68	1.8	1.4	1	0.55	199.300	**6200 69 1**
LGN 430 NS 6 FS	300	1.25	6,000	103	1.8	1.4	1	0.55	213.500	**6200 69 3**
LGN 440 NS 6 FS	400	1.25	6,000	138	1.8	1.4	1	0.55	227.700	**6200 69 5**
LGN 450 NS 6 FS	500	1.25	6,000	173	1.8	1.4	1	0.55	254.500	**6200 69 7**
LGN 460 NS 6 FS	600	1.25	6,000	208	1.8	1.4	1	0.55	271.500	**6200 69 9**

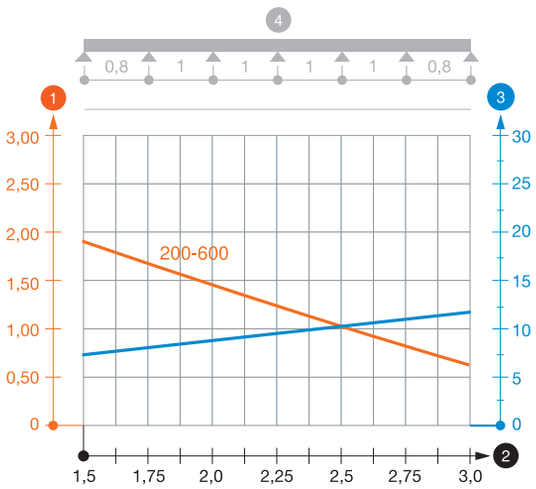
St Steel FS Strip-galvanised /m

Cable ladders with clinched C-profile rungs open to the top. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamp, type LKS 40. Matching clamp clip type 2056/ N.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Cable ladders are not delivered collapsed. Connectors and clamping pieces should be ordered separately and in the appropriate quantity.

Load diagram, cable ladder, type LG 45 NS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 45 mm

Cable ladder SLG 45



Type	Width	Rail thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SLG 420 NS 3 FS	200	2	3,000	68	2.75	2	1	0.55	281.800	**6200 54 0**
SLG 430 NS 3 FS	300	2	3,000	103	2.75	2	1	0.55	295.800	**6200 54 3**
SLG 440 NS 3 FS	400	2	3,000	138	2.75	2	1	0.55	310.200	**6200 54 6**
SLG 450 NS 3 FS	500	2	3,000	173	2.75	2	1	0.55	337.200	**6200 54 9**
SLG 460 NS 3 FS	600	2	3,000	208	2.75	2	1	0.55	354.200	**6200 55 2**
SLG 420 NS 6 FS	200	2	6,000	68	2.75	2	1	0.55	281.800	**6200 62 3**
SLG 430 NS 6 FS	300	2	6,000	103	2.75	2	1	0.55	295.800	**6200 62 6**
SLG 440 NS 6 FS	400	2	6,000	138	2.75	2	1	0.55	310.200	**6200 62 9**
SLG 450 NS 6 FS	500	2	6,000	173	2.75	2	1	0.55	337.200	**6200 63 2**
SLG 460 NS 6 FS	600	2	6,000	208	2.75	2	1	0.55	354.200	**6200 63 5**
SLG 420 NS FT	200	2	6,000	68	2.75	2	1	0.55	295.700	**6200 64 6**
SLG 430 NS FT	300	2	6,000	103	2.75	2	1	0.55	310.700	**6200 64 9**
SLG 440 NS FT	400	2	6,000	138	2.75	2	1	0.55	325.700	**6200 65 2**
SLG 450 NS FT	500	2	6,000	173	2.75	2	1	0.55	354.000	**6200 65 5**
SLG 460 NS FT	600	2	6,000	208	2.75	2	1	0.55	372.300	**6200 65 8**

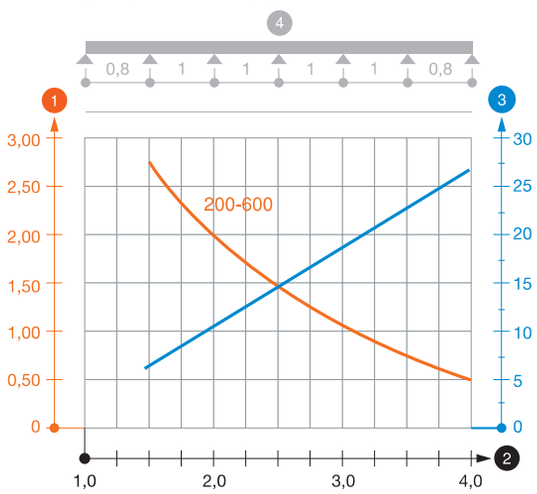
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 45 mm with riveted C profile rungs, open in an upwards direction.

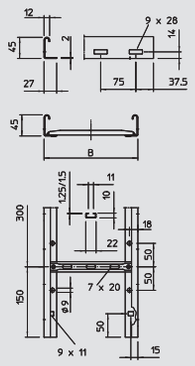
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056N in the vertical ladder systems chapter.

Load diagram, cable ladder, type SLG 45 NS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



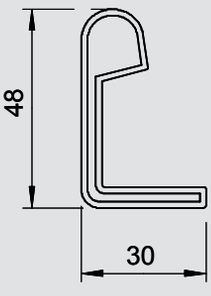
End cap



Type	Colour		Pack.	Weight	Item No.
			pair	kg/100 pairs	
SKH 45 OR	Pastel orange		40	0.800	**6222 50 2**

PE Polyethylene /pair

Protective cap to cover cable ladder ends of side height 45 mm.



Straight connector

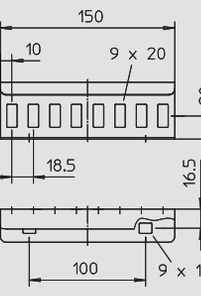


Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
LVG 45 FS	45		20	16.000	**6200 83 2**
LVG 45 FT	45		20	15.200	**6200 83 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

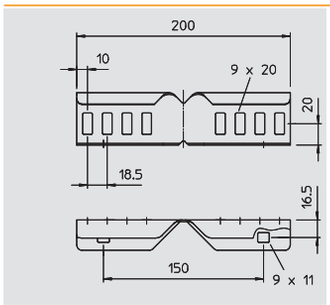
Straight connector as external connector to connect cable ladders and fittings with a side height of 45 mm and continuous side perforation.

The screw fastening ensures the continuity of the equipotential bonding.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Angle connector

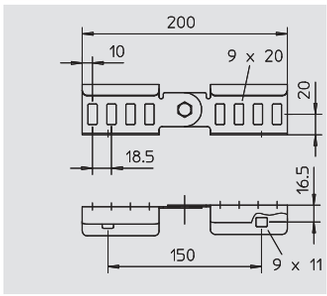
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 45 FS	45		20	17.600	**6200 88 2**
LWVG 45 VA4301	45		20	17.600	**6200 88 5**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 45 mm and continuous rail perforation.

The screw fastening ensures the continuity of the equipotential bonding.





Adjustable connector

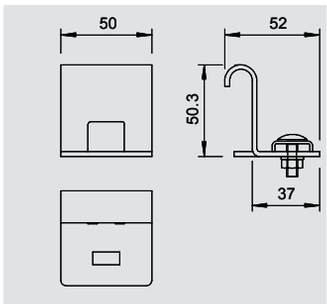
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 45 FS	45		10	22.000	**6200 92 6**
LGVG 45 FT	45		10	24.000	**6200 92 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 45 mm and continuous rail perforation. Angle can be adjusted vertically.

The screw fastening ensures the continuity of the equipotential bonding.





Connector

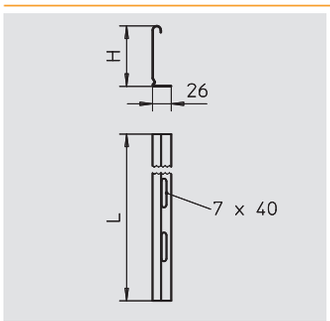
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAS 45 FS		10	13.000	**6221 30 0**
LAS 45 FT		10	13.000	**6221 31 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Connector for creation of branches at the same height at a later date.

To increase the cable bracket, use a combination of corner plates of type LEB.





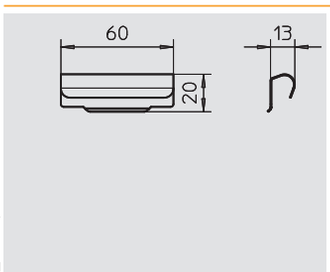
Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 30 FS	30	3,000		3	38.000	**6062 05 0**
TSG 30 DD	30	3,000		3	38.000	**6062 31 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.





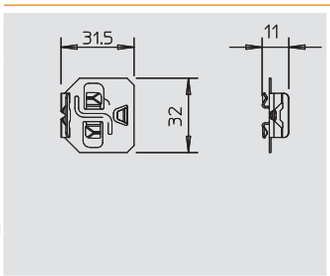
Barrier strip connector VA

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





Hold-down clamp for barrier strip fastening VA

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 45 mm

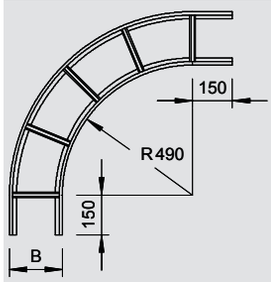


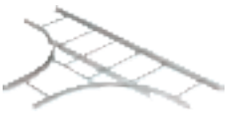
90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 420 NS FS	200		1	238.000	**6203 02 7**
LBI 90 430 NS FS	300		1	286.000	**6203 03 5**
LBI 90 440 NS FS	400		1	316.000	**6203 04 3**
LBI 90 450 NS FS	500		1	376.000	**6203 05 1**
LBI 90 460 NS FS	600		1	446.000	**6203 07 8**
LBI 90 420 NS FT	200		1	251.000	**6203 12 4**
LBI 90 430 NS FT	300		1	302.000	**6203 13 2**
LBI 90 440 NS FT	400		1	333.000	**6203 14 0**
LBI 90 450 NS FT	500		1	396.000	**6203 15 9**
LBI 90 460 NS FT	600		1	470.000	**6203 16 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable ladder types of 45 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



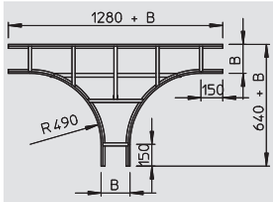


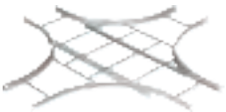
Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LT 420 NS FS	200		1	437.000	**6205 53 4**
LT 430 NS FS	300		1	513.000	**6205 54 2**
LT 440 NS FS	400		1	570.000	**6205 55 0**
LT 450 NS FS	500		1	637.000	**6205 56 9**
LT 460 NS FS	600		1	731.000	**6205 57 7**
LT 420 NS FT	200		1	460.000	**6205 62 3**
LT 430 NS FT	300		1	540.000	**6205 63 1**
LT 440 NS FT	400		1	600.000	**6205 65 8**
LT 450 NS FT	500		1	671.000	**6205 66 6**
LT 460 NS FT	600		1	770.000	**6205 67 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Horizontal tee, for all cable ladder types of 45 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



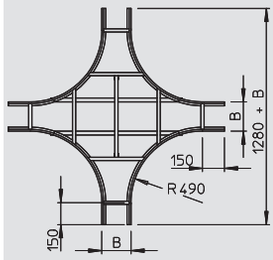


Cross-over

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LK 420 NS FT	200		1	640.000	**6206 12 3**
LK 430 NS FT	300		1	750.000	**6206 13 1**
LK 440 NS FT	400		1	820.000	**6206 15 8**
LK 450 NS FT	500		1	900.000	**6206 16 6**
LK 460 NS FT	600		1	1,020.000	**6206 17 4**

St Steel FT Hot-dip galvanised /pc.

Horizontal cross-over for all cable ladder types of 45 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



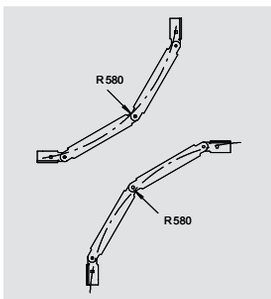


90° adjustable vertical bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGBV 420 NS FS	200		1	175.000	**6205 03 8**
LGBV 430 NS FS	300		1	193.000	**6205 04 6**
LGBV 440 NS FS	400		1	209.000	**6205 05 4**
LGBV 450 NS FS	500		1	242.000	**6205 06 2**
LGBV 460 NS FS	600		1	262.000	**6205 07 0**
LGBV 420 NS FT	200		1	187.000	**6205 12 7**
LGBV 430 NS FT	300		1	205.000	**6205 13 5**
LGBV 440 NS FT	400		1	223.000	**6205 14 3**
LGBV 450 NS FT	500		1	257.000	**6205 15 1**
LGBV 460 NS FT	600		1	278.000	**6205 17 8**

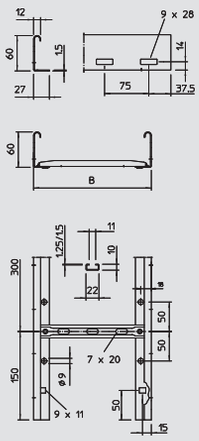
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° adjustable vertical bend, for all cable ladder types with a side height of 45 mm.
The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cable ladder LG 60 NS



Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 NS 3000FS	200	1.5	3,000	2	1.5	1.1	0.45	253.800	**6208 50 6**
LG 630 NS 3000FS	300	1.5	3,000	2	1.5	1.1	0.45	268.000	**6208 50 9**
LG 640 NS 3000FS	400	1.5	3,000	2	1.5	1.1	0.45	282.200	**6208 51 2**
LG 650 NS 3000FS	500	1.5	3,000	2	1.5	1.1	0.45	308.800	**6208 51 5**
LG 660 NS 3000FS	600	1.5	3,000	2	1.5	1.1	0.45	325.500	**6208 51 8**
LG 620 NS 6000FS	200	1.5	6,000	2	1.5	1.1	0.45	253.800	**6208 58 1**
LG 630 NS 6000FS	300	1.5	6,000	2	1.5	1.1	0.45	268.000	**6208 58 4**
LG 640 NS 6000FS	400	1.5	6,000	2	1.5	1.1	0.45	282.200	**6208 58 7**
LG 650 NS 6000FS	500	1.5	6,000	2	1.5	1.1	0.45	308.800	**6208 59 0**
LG 660 NS 6000FS	600	1.5	6,000	2	1.5	1.1	0.45	325.500	**6208 59 3**
LG 620 NS 6000FT	200	1.5	6,000	2	1.5	1.1	0.45	270.000	**6208 60 3**
LG 630 NS 6000FT	300	1.5	6,000	2	1.5	1.1	0.45	285.000	**6208 60 6**
LG 640 NS 6000FT	400	1.5	6,000	2	1.5	1.1	0.45	300.000	**6208 60 9**
LG 650 NS 6000FT	500	1.5	6,000	2	1.5	1.1	0.45	328.300	**6208 61 2**
LG 660 NS 6000FT	600	1.5	6,000	2	1.5	1.1	0.45	345.800	**6208 61 5**

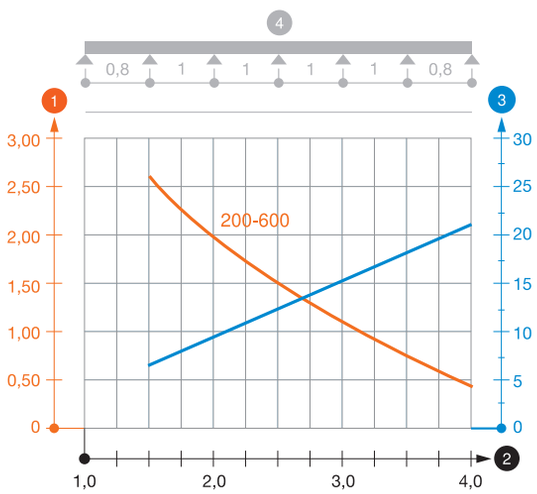
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (NS version).

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056N in the vertical ladder systems chapter.

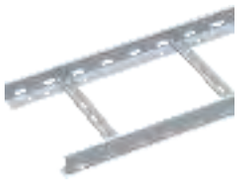
Load diagram, LG 60 NS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 60 mm



Cable ladder LG 60 VS

Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 VS 3000FS	200	1.5	3,000	2.25	1.5	1	0.4	281.700	**6208 53 8**
LG 630 VS 3000FS	300	1.5	3,000	2.25	1.5	1	0.4	306.000	**6208 54 1**
LG 640 VS 3000FS	400	1.5	3,000	2.25	1.5	1	0.4	330.000	**6208 54 4**
LG 650 VS 3000FS	500	1.5	3,000	2.25	1.5	1	0.4	354.300	**6208 54 7**
LG 660 VS 3000FS	600	1.5	3,000	2.25	1.5	1	0.4	378.300	**6208 55 0**
LG 620 VS 3000FT	200	1.5	3,000	2.25	1.5	1	0.4	298.300	**6208 56 2**
LG 630 VS 3000FT	300	1.5	3,000	2.25	1.5	1	0.4	324.300	**6208 56 6**
LG 640 VS 3000FT	400	1.5	3,000	2.25	1.5	1	0.4	350.000	**6208 57 0**
LG 650 VS 3000FT	500	1.5	3,000	2.25	1.5	1	0.4	376.000	**6208 57 4**
LG 660 VS 3000FT	600	1.5	3,000	2.25	1.5	1	0.4	401.700	**6208 57 8**
LG 620 VS 6000FS	200	1.5	6,000	2.25	1.5	1	0.4	273.800	**6208 62 7**
LG 630 VS 6000FS	300	1.5	6,000	2.25	1.5	1	0.4	298.000	**6208 63 0**
LG 640 VS 6000FS	400	1.5	6,000	2.25	1.5	1	0.4	322.200	**6208 63 3**
LG 650 VS 6000FS	500	1.5	6,000	2.25	1.5	1	0.4	346.300	**6208 63 6**
LG 660 VS 6000FS	600	1.5	6,000	2.25	1.5	1	0.4	370.500	**6208 63 9**
LG 620 VS 6000FT	200	1.5	6,000	2.25	1.5	1	0.4	290.000	**6208 65 0**
LG 630 VS 6000FT	300	1.5	6,000	2.25	1.5	1	0.4	315.800	**6208 65 3**
LG 640 VS 6000FT	400	1.5	6,000	2.25	1.5	1	0.4	334.200	**6208 65 6**
LG 650 VS 6000FT	500	1.5	6,000	2.25	1.5	1	0.4	367.500	**6208 65 9**
LG 660 VS 6000FT	600	1.5	6,000	2.25	1.5	1	0.4	393.300	**6208 66 1**

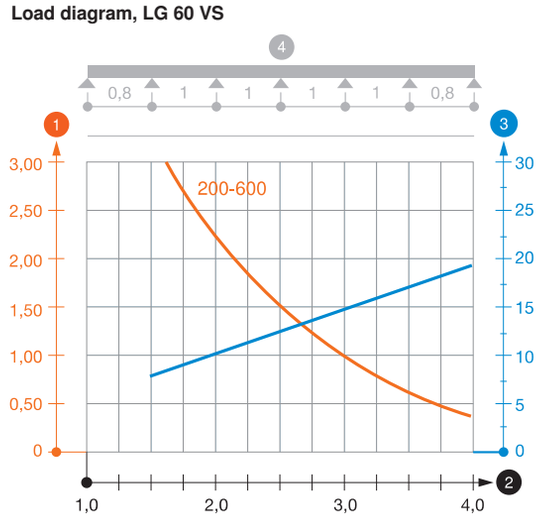
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

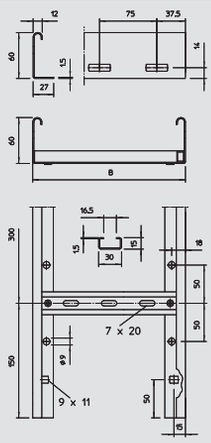
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056 in the vertical ladder systems chapter.

Load diagram, LG 60 VS

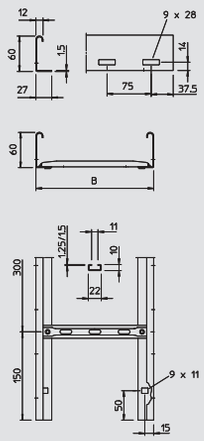


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

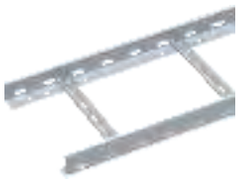


Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable ladder LGN 60 NS



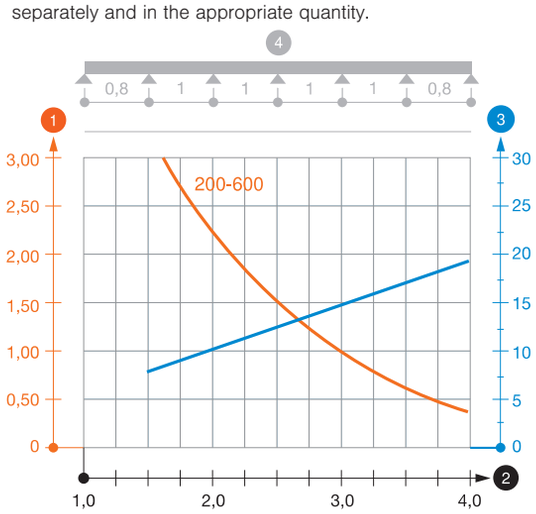
Type	Width	Rail thickness	Useful cross-section	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	cm²	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LGN 620 NS FS	200	1.5	98	6,000	2.25	1.5	1	0.4	261.670	**6209 30 1**
LGN 630 NS FS	300	1.5	148	6,000	2.25	1.5	1	0.4	275.830	**6209 30 3**
LGN 640 NS FS	400	1.5	198	6,000	2.25	1.5	1	0.4	290.000	**6209 30 5**
LGN 650 NS FS	500	1.5	248	6,000	2.25	1.5	1	0.4	316.670	**6209 30 7**
LGN 660 NS FS	600	1.5	298	6,000	2.25	1.5	1	0.4	333.330	**6209 30 9**

St Steel FS Strip-galvanised /m

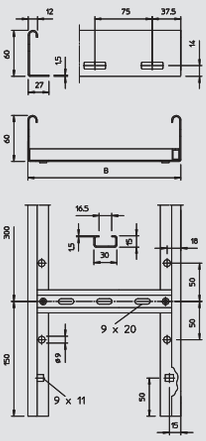
Cable ladders with clinched C-profile rungs open to the top. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamp, type LKS 40. Matching clamp clip type 2056/ N.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

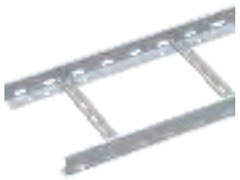
Cable ladders are not delivered collapsed. Connectors and clamping pieces should be ordered separately and in the appropriate quantity.



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Cable ladder LGN 60 VS



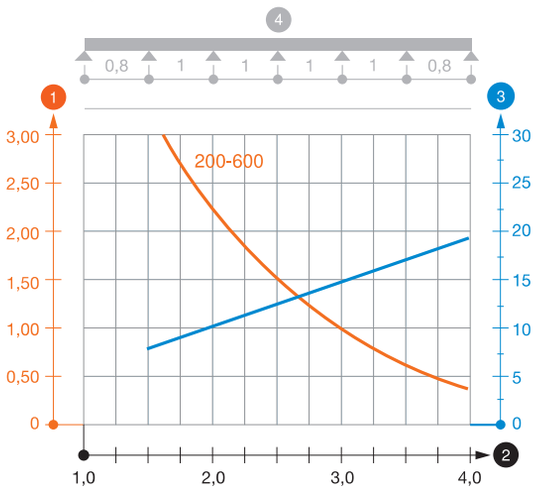
Type	Width	Rail thickness	Useful cross-section	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	cm²	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LGN 620 VS FS	200	1.5	98	6,000	2	1.5	1.15	0.45	281.700	**6209 33 0**
LGN 630 VS FS	300	1.5	148	6,000	2	1.5	1.15	0.45	305.800	**6209 33 2**
LGN 640 VS FS	400	1.5	198	6,000	2	1.5	1.15	0.45	330.000	**6209 33 4**
LGN 650 VS FS	500	1.5	248	6,000	2	1.5	1.15	0.45	354.200	**6209 33 6**
LGN 660 VS FS	600	1.5	298	6,000	2	1.5	1.15	0.45	378.300	**6209 33 8**
LGN 620 VS 6 FT	200	1.5	98	6,000	2	1.5	1.15	0.45	298.300	**6209 34 3**
LGN 630 VS 6 FT	300	1.5	148	6,000	2	1.5	1.15	0.45	324.200	**6209 34 5**
LGN 640 VS 6 FT	400	1.5	198	6,000	2	1.5	1.15	0.45	350.000	**6209 34 7**
LGN 650 VS 6 FT	500	1.5	248	6,000	2	1.5	1.15	0.45	376.500	**6209 34 9**
LGN 660 VS 6 FT	600	1.5	298	6,000	2	1.5	1.15	0.45	401.700	**6209 35 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladders with clinched C-profile rungs open to the top. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamp, type LKS 40. Matching clamp clip type 2056.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Cable ladders are not delivered collapsed. Connectors and clamping pieces should be ordered separately and in the appropriate quantity.



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 60 mm

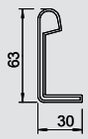


End cap

Type	Colour		Pack. pair	Weight kg/100 pairs	Item No.
SKH 60 OR	Pastel orange		40	1.100	**6222 53 7**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 60 mm.





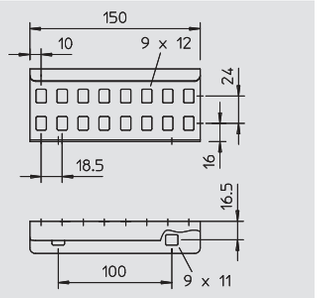
Straight connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 60 FS	60		20	20.000	**6208 84 0**
LVG 60 FT	60		20	22.000	**6208 84 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





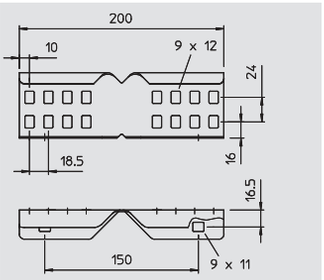
Angle connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 FS	60		20	24.000	**6208 89 5**
LWVG 60 VA4301	60		20	24.000	**6208 89 8**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





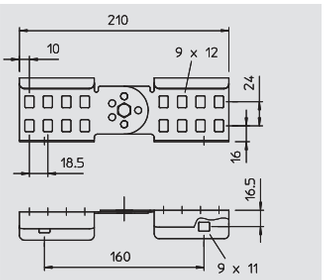
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 FS	60		10	27.000	**6208 94 1**
LGVG 60 FT	60		10	29.000	**6208 94 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.





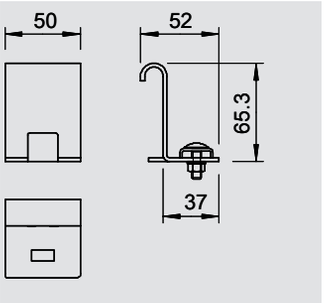
Connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAS 60 FS		10	15.000	**6221 35 1**
LAS 60 FT		10	15.000	**6221 37 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Connector for creation of branches at the same height at a later date.

To increase the cable supporting surface, use a conjunction of corner plates of type LEB.



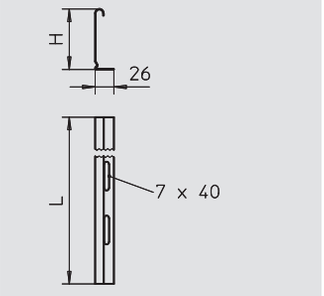


Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 45 FS	45	3,000		3	46.700	**6062 03 3**
TSG 45 DD	45	3,000		3	46.700	**6062 32 1**

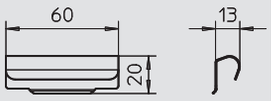
St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



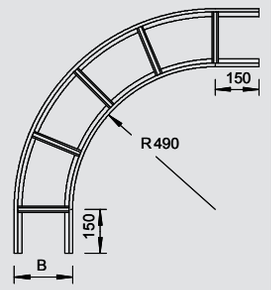
Barrier strip connector VA

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**



V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



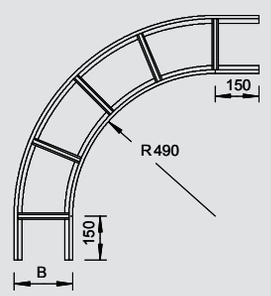
90° bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 620 NS FS	200		1	297.000	**6211 03 8**
LBI 90 630 NS FS	300		1	351.000	**6211 04 6**
LBI 90 640 NS FS	400		1	404.000	**6211 05 4**
LBI 90 650 NS FS	500		1	470.000	**6211 06 2**
LBI 90 660 NS FS	600		1	544.000	**6211 07 0**
LBI 90 620 NS FT	200		1	313.000	**6211 12 7**
LBI 90 630 NS FT	300		1	370.000	**6211 13 5**
LBI 90 640 NS FT	400		1	426.000	**6211 14 3**
LBI 90 650 NS FT	500		1	495.000	**6211 15 1**
LBI 90 660 NS FT	600		1	573.000	**6211 17 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for cable ladders with light-duty rungs (NS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

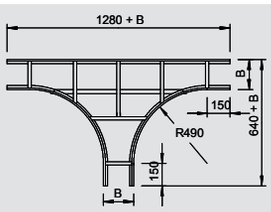




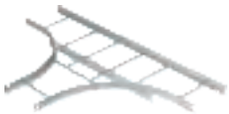
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 620 VS FS	200		1	358.000	**6211 22 4**
LBI 90 630 VS FS	300		1	412.000	**6211 23 2**
LBI 90 640 VS FS	400		1	497.000	**6211 24 0**
LBI 90 650 VS FS	500		1	558.000	**6211 25 9**
LBI 90 660 VS FS	600		1	664.000	**6211 26 7**
LBI 90 620 VS FT	200		1	380.000	**6211 32 1**
LBI 90 630 VS FT	300		1	437.000	**6211 34 8**
LBI 90 640 VS FT	400		1	526.000	**6211 35 6**
LBI 90 650 VS FT	500		1	592.000	**6211 36 4**
LBI 90 660 VS FT	600		1	704.000	**6211 37 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.



Tee



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 NS FS	200		1	583.000	**6213 52 9**
LT 630 NS FS	300		1	662.000	**6213 53 7**
LT 640 NS FS	400		1	731.000	**6213 54 5**
LT 650 NS FS	500		1	836.000	**6213 55 3**
LT 660 NS FS	600		1	895.000	**6213 56 1**
LT 620 NS FT	200		1	614.000	**6213 63 4**
LT 630 NS FT	300		1	697.000	**6213 64 2**
LT 640 NS FT	400		1	770.000	**6213 65 0**
LT 650 NS FT	500		1	880.000	**6213 66 9**
LT 660 NS FT	600		1	943.000	**6213 67 7**

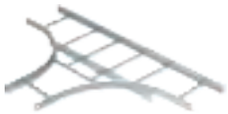
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Horizontal tee, for cable ladders with light-duty rungs (NS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 60 mm

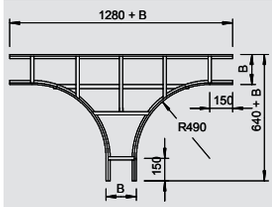
Tee



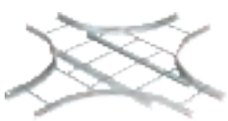
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 VS FS	200		1	677.000	**6213 72 3**
LT 630 VS FS	300		1	789.000	**6213 73 1**
LT 640 VS FS	400		1	871.000	**6213 75 8**
LT 650 VS FS	500		1	952.000	**6213 76 6**
LT 660 VS FS	600		1	1,094.000	**6213 77 4**
LT 620 VS FT	200		1	718.000	**6213 82 0**
LT 630 VS FT	300		1	837.000	**6213 83 9**
LT 640 VS FT	400		1	924.000	**6213 84 7**
LT 650 VS FT	500		1	1,009.000	**6213 85 5**
LT 660 VS FT	600		1	1,160.000	**6213 86 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Tee, horizontal, for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.



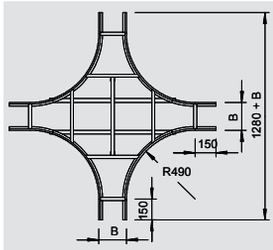
Cross-over

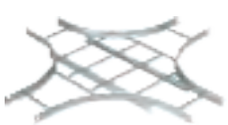


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LK 620 NS FS	200		1	798.000	**6214 02 9**
LK 630 NS FS	300		1	950.000	**6214 03 7**
LK 640 NS FS	400		1	978.000	**6214 04 5**
LK 650 NS FS	500		1	1,064.000	**6214 05 3**
LK 660 NS FS	600		1	1,187.000	**6214 06 1**
LK 620 NS FT	200		1	840.000	**6214 13 4**
LK 630 NS FT	300		1	1,000.000	**6214 14 2**
LK 640 NS FT	400		1	1,030.000	**6214 15 0**
LK 650 NS FT	500		1	1,185.000	**6214 16 9**
LK 660 NS FT	600		1	1,250.000	**6214 17 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Horizontal cross-over for cable ladders with light-duty rungs (NS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

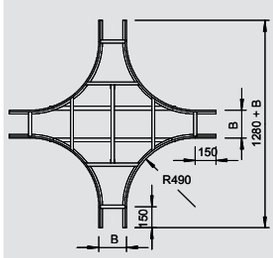




Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LK 620 VS FS	200		1	935.000	**6214 22 3**
LK 630 VS FS	300		1	1,080.000	**6214 23 1**
LK 640 VS FS	400		1	1,175.000	**6214 25 8**
LK 650 VS FS	500		1	1,271.000	**6214 26 6**
LK 660 VS FS	600		1	1,445.000	**6214 27 4**
LK 620 VS FT	200		1	993.000	**6214 32 0**
LK 630 VS FT	300		1	1,145.000	**6214 33 9**
LK 640 VS FT	400		1	1,247.000	**6214 34 7**
LK 650 VS FT	500		1	1,348.000	**6214 35 5**
LK 660 VS FT	600		1	1,533.000	**6214 36 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Horizontal cross-over for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.



90° adjustable vertical bend

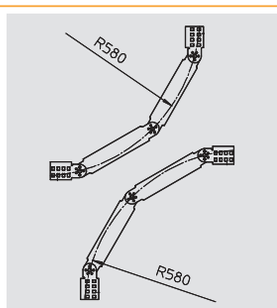


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGBV 620 NS FS	200		1	217.000	**6213 02 2**
LGBV 630 NS FS	300		1	238.000	**6213 03 0**
LGBV 640 NS FS	400		1	254.000	**6213 04 9**
LGBV 650 NS FS	500		1	285.000	**6213 05 7**
LGBV 660 NS FS	600		1	304.000	**6213 06 5**
LGBV 620 NS FT	200		1	229.000	**6213 13 8**
LGBV 630 NS FT	300		1	251.000	**6213 14 6**
LGBV 640 NS FT	400		1	268.000	**6213 15 4**
LGBV 650 NS FT	500		1	315.000	**6213 16 2**
LGBV 660 NS FT	600		1	321.000	**6213 17 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

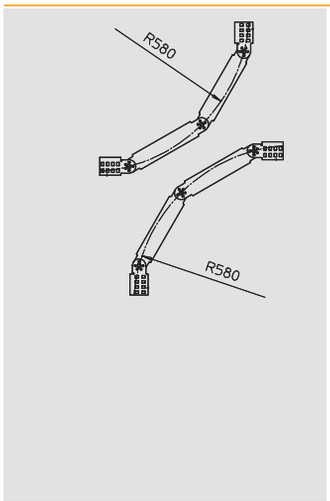
90° adjustable vertical bend, for cable ladders with light-duty rung (NS) and a side height of 60 mm.

The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



90° adjustable vertical bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGBV 620 VS FS	200		1	257.000	**6213 22 7**
LGBV 630 VS FS	300		1	286.000	**6213 23 5**
LGBV 640 VS FS	400		1	315.000	**6213 24 3**
LGBV 650 VS FS	500		1	344.000	**6213 25 1**
LGBV 660 VS FS	600		1	374.000	**6213 27 8**
LGBV 620 VS FT	200		1	270.000	**6213 32 4**
LGBV 630 VS FT	300		1	301.000	**6213 33 2**
LGBV 640 VS FT	400		1	332.000	**6213 34 0**
LGBV 650 VS FT	500		1	363.000	**6213 35 9**
LGBV 660 VS FT	600		1	394.000	**6213 36 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° adjustable vertical bend, for cable ladders with medium-duty rung (VS) and a side height of 60 mm.

The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable ladder LG 110

Type	Width	Rail thickness	Length	Useful cross-section	Appr. load: 2.0 m	3.0 m	4.0 m	5.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 112 3000 FS	200	1.5	3,000	188	3.1	1.4	0.65	0.5	382.000	**6216 40 4**
LG 113 3000 FS	300	1.5	3,000	283	3.1	1.4	0.65	0.5	406.000	**6216 40 7**
LG 114 3000 FS	400	1.5	3,000	378	3.1	1.4	0.65	0.5	430.300	**6216 41 0**
LG 115 3000 FS	500	1.5	3,000	475	3.1	1.4	0.65	0.5	454.300	**6216 41 3**
LG 116 3000 FS	600	1.5	3,000	568	3.1	1.4	0.65	0.5	478.700	**6216 41 6**
LG 112 3000 FT	200	1.5	3,000	188	3.1	1.4	0.65	0.5	405.000	**6216 42 3**
LG 113 3000 FT	300	1.5	3,000	283	3.1	1.4	0.65	0.5	430.700	**6216 42 6**
LG 114 3000 FT	400	1.5	3,000	378	3.1	1.4	0.65	0.5	456.700	**6216 42 9**
LG 115 3000 FT	500	1.5	3,000	475	3.1	1.4	0.65	0.5	482.300	**6216 43 2**
LG 116 3000 FT	600	1.5	3,000	568	3.1	1.4	0.65	0.5	508.300	**6216 43 5**
LG 112 6000 FS	200	1.5	6,000	188	3.1	1.4	0.65	0.5	382.000	**6216 44 2**
LG 113 6000 FS	300	1.5	6,000	283	3.1	1.4	0.65	0.5	406.200	**6216 44 5**
LG 114 6000 FS	400	1.5	6,000	378	3.1	1.4	0.65	0.5	430.300	**6216 44 8**
LG 115 6000 FS	500	1.5	6,000	475	3.1	1.4	0.65	0.5	454.500	**6216 45 1**
LG 116 6000 FS	600	1.5	6,000	568	3.1	1.4	0.65	0.5	478.700	**6216 45 4**
LG 112 6000 FT	200	1.5	6,000	188	3.1	1.4	0.65	0.5	405.000	**6216 46 5**
LG 113 6000 FT	300	1.5	6,000	283	3.1	1.4	0.65	0.5	430.800	**6216 46 8**
LG 114 6000 FT	400	1.5	6,000	378	3.1	1.4	0.65	0.5	456.700	**6216 47 1**
LG 114.5 6000 FT	450	1.5	6,000	426,5	3.1	1.4	0.65	0.5	469.700	**6216 47 3**
LG 115 6000 FT	500	1.5	6,000	475	3.1	1.4	0.65	0.5	482.500	**6216 47 4**
LG 116 6000 FT	600	1.5	6,000	568	3.1	1.4	0.65	0.5	508.300	**6216 47 7**

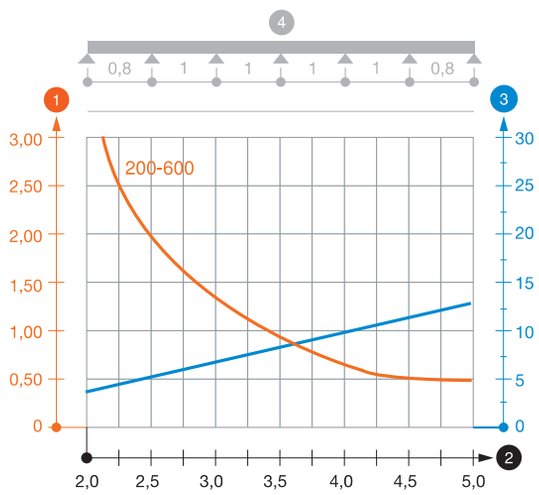
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

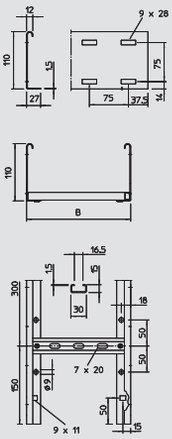
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056 in the vertical ladder systems chapter.

Load diagram, cable ladder, type LG 110 VS

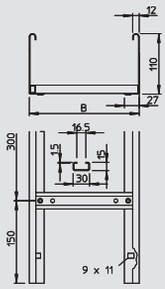


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable ladder LGN 110

Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	3.5 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LGN 112 FT	200	1.5	6,000	3.1	2	1.3	0.9	0.6	405.000	**6209 52 0**
LGN 114 FT	400	1.5	6,000	3.1	2	1.3	0.9	0.6	456.700	**6209 52 4**
LGN 113 FT	300	1.5	6,000	3.1	2	1.3	0.9	0.6	430.800	**6209 52 2**
LGN 115 FT	500	1.5	6,000	3.1	2	1.3	0.9	0.6	482.500	**6209 52 6**
LGN 116 FT	600	1.5	6,000	3.1	2	1.3	0.9	0.6	508.300	**6209 52 8**

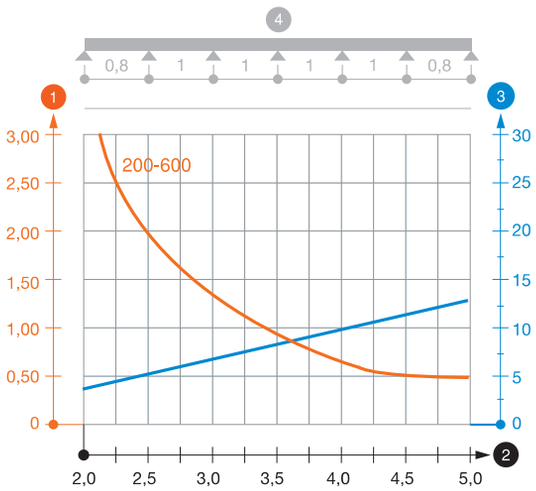
St Steel FT Hot-dip galvanised /m

Cable ladders of side height 110 mm with clinched C-profile rungs open to the top. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamp, type LKS 40/4. Matching clamp clip type 2056/ N.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

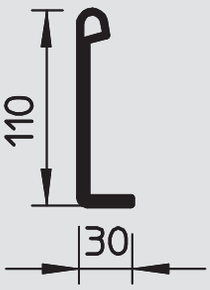
Cable ladders are not delivered collapsed. Connectors and clamping pieces should be ordered separately and in the appropriate quantity.

Load diagram, cable ladder, type LGN 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width





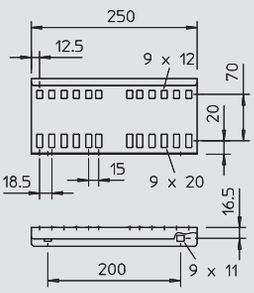
End cap

Type	Colour	Pack. pair	Weight kg/100 pairs	Item No.
SKH 110 OR	Pastel orange	20	1.400	**6222 55 3**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 110 mm





Straight connector

Type	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 110 FS	110	20	41.600	**6216 54 5**

St Steel FS Strip-galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Side rail height 110 mm

Straight connector

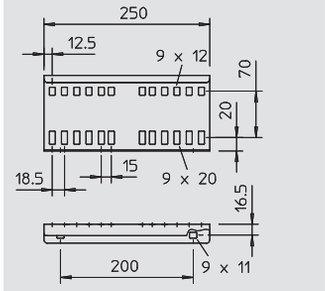


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 110 FT	110		20	44.900	**6216 54 8**

St Steel FT Hot-dip galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



Angle connector

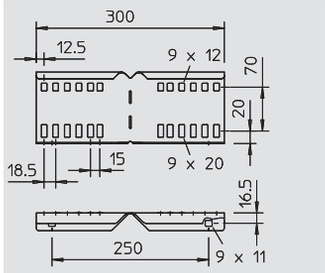


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 110 FS	110		20	48.800	**6216 58 7**

St Steel FS Strip-galvanised /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



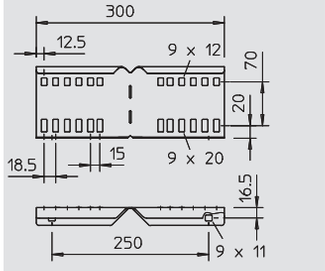


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 110 VA4301	110		20	48.800	**6216 59 0**

V2A Stainless steel, grade 304 /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



Adjustable connector

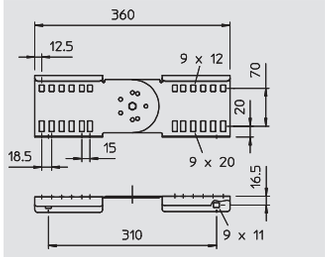


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 110 FS	110		10	61.000	**6216 65 0**

St Steel FS Strip-galvanised /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



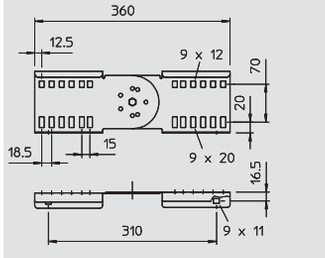


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 110 FT	110		10	65.000	**6216 65 3**

St Steel FT Hot-dip galvanised /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



Connector

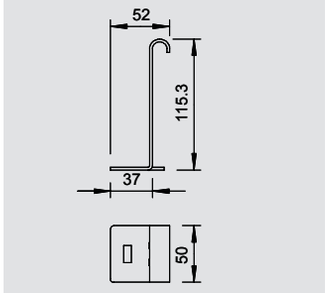


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAS 110 FS		10	18.000	**6221 41 6**
LAS 110 FT		10	19.000	**6221 42 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

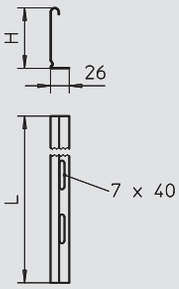
Connector for creation of branches at the same height at a later date.

To increase the cable supporting surface, use a conjunction of corner plates of type LEB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



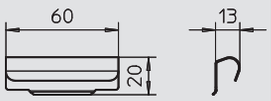
Barrier strip

Type	Dimension H mm	Plate thickness mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3,000		3	70.300	**6062 11 4**
TSG 85 DD	85	0.75	3,000		3	70.300	**6062 33 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.





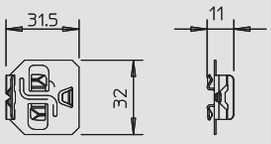
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





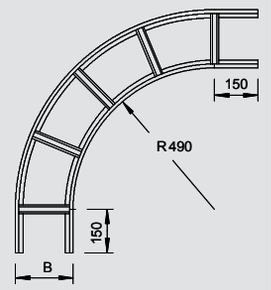
Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.





90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 112 VS FS	200		1	498.000	**6217 62 1**
LBI 90 113 VS FS	300		1	561.000	**6217 64 8**
LBI 90 114 VS FS	400		1	655.000	**6217 65 6**
LBI 90 115 VS FS	500		1	726.000	**6217 66 4**
LBI 90 116 VS FS	600		1	836.000	**6217 67 2**
LBI 90 112 VS FT	200		1	528.000	**6217 72 9**
LBI 90 113 VS FT	300		1	595.000	**6217 73 7**
LBI 90 114 VS FT	400		1	694.000	**6217 74 5**
LBI90 114.5VS FT	450		1	747.000	**6217 74 8**
LBI 90 115 VS FT	500		1	762.000	**6217 75 3**
LBI 90 116 VS FT	600		1	886.000	**6217 76 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for side rail height 45, 60, 110 mm



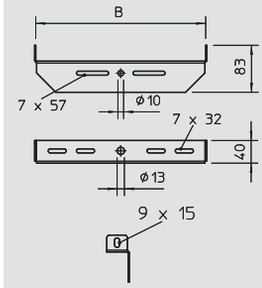
Central suspension, universal

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAHU 200 FS	200		20	27.500	**6358 85 3**
MAHU 300 FS	300		20	39.300	**6358 85 6**
MAHU 400 FS	400		20	68.800	**6358 86 0**
MAHU 500 FS	500		20	85.800	**6358 86 4**
MAHU 600 FS	600		15	103.300	**6358 86 8**
MAHU 200 FT	200		20	28.700	**6358 88 4**
MAHU 300 FT	300		20	43.300	**6358 88 8**
MAHU 400 FT	400		20	71.300	**6358 89 2**
MAHU 500 FT	500		20	89.100	**6358 89 6**
MAHU 600 FT	600		15	107.000	**6358 90 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Universal central suspension for fastening to threaded rods and supports.

Preferred use of this central suspension in combination with cable ladders and mesh cable trays.



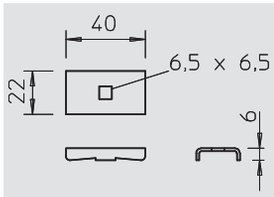


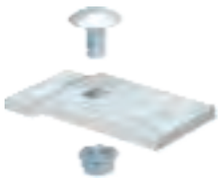
Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 40 FS		50	3.400	**6221 07 6**
LKS 40 FT		50	3.400	**6221 08 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Hold-down clamp for fastening cable ladders.





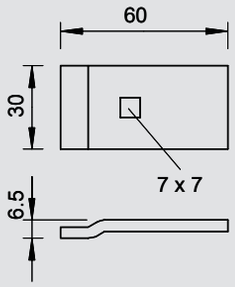
Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS60 4 FT		50	6.000	**6221 12 2**

St Steel FT Hot-dip galvanised /pc.

Hold-down clamp for fastening cable ladders.

Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.



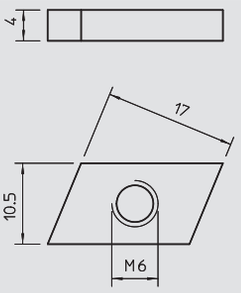


Slide nut

Type	Thread	Version	For rail with slot width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
5015 M6 OS VA	M6	No bolt	11-12		100	0.440	**1141 10 4**

V2A Stainless steel, grade 304 /100 pc.

Slide nut for profile rails with a slot width of 11–12 mm.
For NS rung, mountable from above.



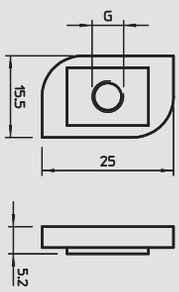


Slide nut

Type	Thread	Version	For rail with slot width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
5017 M6 OS VA	M6	No bolt	16-17		100	0.985	**1143 12 3**

V4A Stainless steel, grade 316 Ti /100 pc.

Slide nut for profile rails with a slot width of 16–17 mm.
For VS rung, mountable from above.





Support

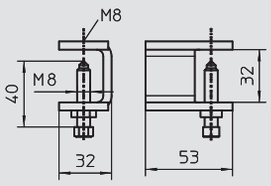
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAL 70 FS		20	10.200	**6221 00 9**
LAL 70 VA4301		20	10.200	**6221 01 7**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Support for fastening rising or falling cable ladders.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



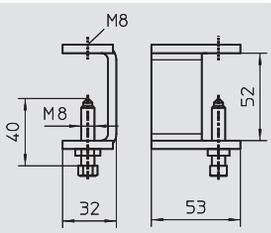
Beam clamp for cable ladders

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KLL 32 FT		40	17.500	6221 06 1

St Steel FT Hot-dip galvanised /pc.

Beam clamp for fastening cable ladders to steel girders.





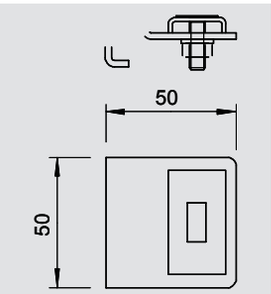
Beam clamp for cable ladders

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KLL 52 FT		40	21.400	6221 07 1

St Steel FT Hot-dip galvanised /pc.

Beam clamp for fastening cable ladders to steel girders.





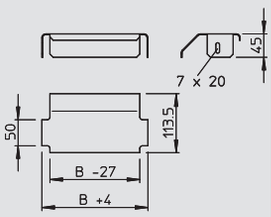
Support angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAW FT		10	10.000	6221 51 3

St Steel FT Hot-dip galvanised /pc.

Support angle for creation of branches at different heights at a later date.





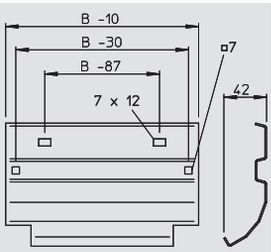
Support plate

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LALB 20 FT	200		10	41.000	6221 85 8
LALB 30 FT	300		10	53.000	6221 86 6
LALB 40 FT	400		10	70.000	6221 87 4
LALB 50 FT	500		10	86.000	6221 88 2
LALB 60 FT	600		10	116.000	6221 89 0

St Steel FT Hot-dip galvanised /pc.

Support plate to increase the cable volume and for cable protection



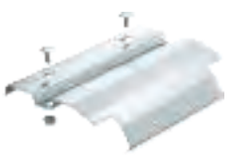


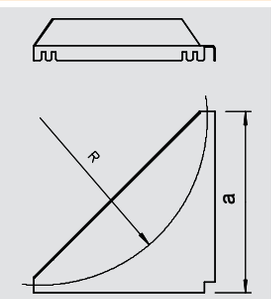
Drop-out plate

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LAB 20 FT	200		20	37.000	6220 43 6
LAB 30 FT	300		25	58.000	6220 44 4
LAB 40 FT	400		25	78.000	6220 45 2
LAB 50 FT	500		15	99.000	6220 46 0
LAB 60 FT	600		15	120.000	6220 47 9

St Steel FT Hot-dip galvanised /pc.

Drop-out plate for mounting on the rung for vertically exiting cables.





Corner plate

Type	radius mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LEB 25 FS	250		1	64.300	6221 20 3
LEB 50 FS	500		1	206.200	6221 24 6
LEB 25 DD	250		1	64.300	6221 21 6
LEB 50 DD	500		1	206.200	6221 25 9

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Corner plate to increase the radius and the cable supporting area.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Accessories for side rail height 45, 60, 110 mm

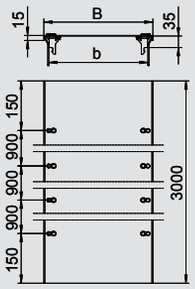


Cover with spacer

Type	Length mm	Dimension b mm	Dimension B mm		Weight kg/100 m	Item No.
DRL AB NG230 FT	3,000	200	230		262.300	**6051 23 2**
DRL AB NG330 FT	3,000	300	330		489.470	**6051 23 3**
DRL AB NG430 FT	3,000	400	430		616.700	**6051 23 4**
DRL AB NG530 FT	3,000	500	530		743.800	**6051 23 5**
DRL AB NG630 FT	3,000	600	630		870.940	**6051 23 6**

St Steel FT Hot-dip galvanised /m

Cover with spacers for vertical ladders and cable ladders.
Set consists of one cover and eight unmounted spacers.



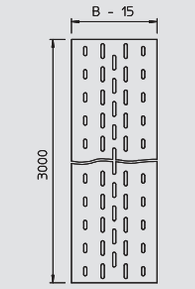


Insert plate

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
ELB-L 20 FS	200	1	3,000		129.000	**6103 23 5**
ELB-L 30 FS	300	1	3,000		202.000	**6103 25 1**
ELB-L 40 FS	400	1	3,000		270.000	**6103 28 6**
ELB-L 50 FS	500	1	3,000		339.000	**6103 31 6**
ELB-L 60 FS	600	1	3,000		396.000	**6103 33 2**

St Steel FS Strip-galvanised /m

Insert plate for use in cable ladders.



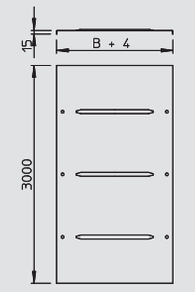


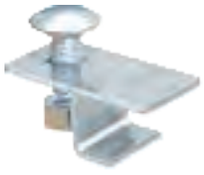
Cover

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL 200 FS	200	1	3,000		180.776	**6052 20 7**
DRL 300 FS	300	1	3,000		259.270	**6052 30 4**
DRL 400 FS	400	1	3,000		337.670	**6052 40 1**
DRL 500 FS	500	1.25	3,000		622.340	**6052 50 9**
DRL 600 FS	600	1.25	3,000		740.340	**6052 60 6**
DRL 200 DD	200	1	3,000		180.670	**6052 70 9**
DRL 300 DD	300	1	3,000		259.000	**6052 71 2**
DRL 400 DD	400	1	3,000		337.670	**6052 71 5**
DRL 500 DD	500	1.25	3,000		622.340	**6052 71 8**
DRL 600 DD	600	1.25	3,000		740.340	**6052 72 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.
Take appropriate constructive protection measures if there are high wind speeds.
Cross beading from 500 mm width.



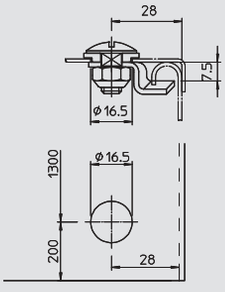


Turn buckle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRLM 316 DD		10	2.800	**6222 36 6**
DRLM 316 VA4301		10	2.800	**6222 35 8**

St Steel V2A Stainless steel, grade 304 DD Zinc-aluminium coated, double-dip /pc.

Turn-buckle for additional installation or installation at a later date.
Single-sided turn-buckle. Use for cover widths of 50 – 600 mm.

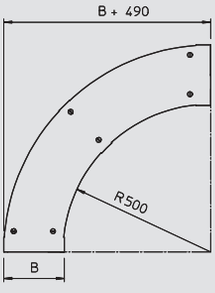


Cover for 90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BID 90 200 FT	200		1	180.000	**6239 15 3**
BID 90 300 FT	300		1	400.000	**6239 16 1**
BID 90 400 FT	400		1	570.000	**6239 18 8**
BID 90 500 FT	500		1	760.000	**6239 19 6**
BID 90 600 FT	600		1	980.000	**6239 21 8**

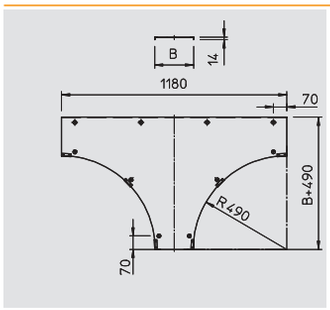
St Steel FT Hot-dip galvanised /pc.

Cover with turn-buckles for covering 90° cable ladder bends.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cover for tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
T D 200 FT	200		1	480.000	**6239 77 3**
T D 300 FT	300		1	650.000	**6239 78 1**
T D 400 FT	400		1	1,075.000	**6239 80 3**
T D 500 FT	500		1	1,202.000	**6239 81 1**
T D 600 FT	600		1	1,510.000	**6239 83 8**

St Steel FT Hot-dip galvanised /pc.

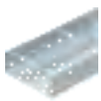
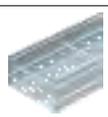
Cover with turn-buckles for covering tees.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



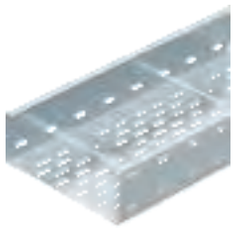
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span systems

	Wide span cable tray, side height 110 mm	Cable tray length 6 m, rail thickness 2 mm Connector Fittings	328 328 329
	Wide span cable tray, side height 160 mm	Cable tray length 6 m, rail thickness 2 mm Connector Fittings	331 331 332
	Wide span cable ladder, side height 110 mm	Cable ladder length 6 m, rail thickness 2 mm Connector Fittings	334 334 335
	Wide span cable ladder, side height 160 mm	Cable ladder length 6 m, rail thickness 2 mm Connector Fittings	337 337 339
	Accessories for cable tray/cable ladder, side rail height 110, 160 mm	Covers Insert plate	340 341
	Wide span cable ladder, side height 200 mm	Cable ladder length 6 m, rail thickness 2.5 mm Connector Fittings	342 342 344
	Accessories for wide span cable ladder, 200 mm	Covers	345

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable tray, side height 110 mm



Wide span cable tray WKSG 110

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 4.0 m	5.0 m	6.0 m	8.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKSG 120 FS	200	2	6,000	202	1.6	1.1	0.75	0.2	710.000	**6098 11 1**
WKSG 130 FS	300	2	6,000	305	1.6	1.1	0.75	0.2	815.000	**6098 11 5**
WKSG 140 FS	400	2	6,000	408	2	1.5	1	0.4	920.000	**6098 11 9**
WKSG 150 FS	500	2	6,000	511	2	1.5	1	0.4	1,023.000	**6098 12 3**
WKSG 160 FS	600	2	6,000	614	2	1.5	1	0.4	1,128.000	**6098 12 7**
WKSG 120 FT	200	2	6,000	202	1.6	1.1	0.75	0.2	748.300	**6098 14 1**
WKSG 130 FT	300	2	6,000	305	1.6	1.1	0.75	0.2	862.000	**6098 14 5**
WKSG 140 FT	400	2	6,000	408	2	1.5	1	0.4	973.000	**6098 14 9**
WKSG 150 FT	500	2	6,000	511	2	1.5	1	0.4	1,085.000	**6098 15 3**
WKSG 160 FT	600	2	6,000	614	2	1.5	1	0.4	1,197.000	**6098 15 7**

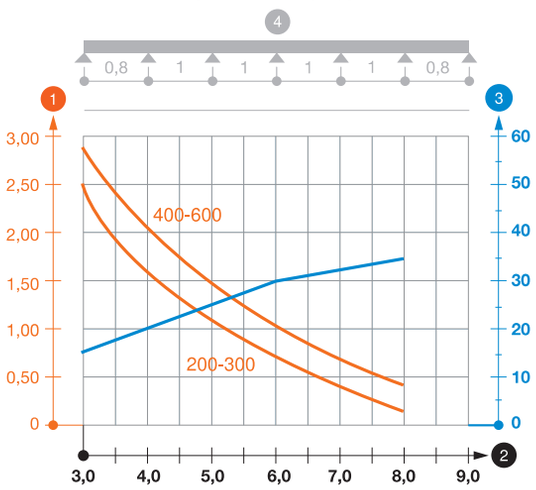
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

WKSG 110 = wide span cable tray system, perforated, with a side height of 110 mm.

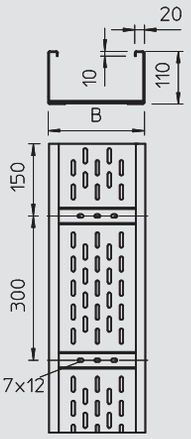
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Load diagram, wide span cable tray, type WKSG 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width





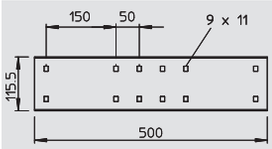
Straight connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRVL 110 FS	110		2	143.000	**6091 16 4**
WRVL 110 FT	110		2	149.000	**6091 18 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.





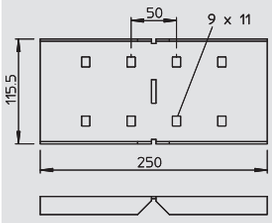
Angle connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWVK 110 FS	110		2	71.000	**6091 37 7**
WRWVK 110 VA4301	110		2	69.000	**6091 39 3**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.





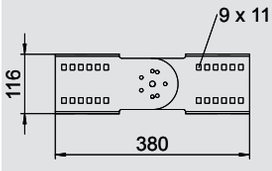
Adjustable connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRGV 110 FS	110		2	119.000	**6091 31 8**
WRGV 110 FT	110		2	119.000	**6091 33 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.

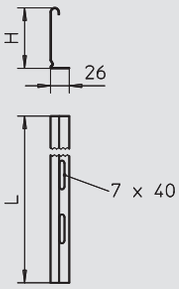
Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Barrier strip



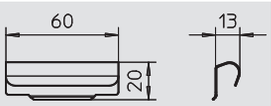
Type	Dimension H mm	Plate thickness mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3,000		3	70.300	**6062 11 4**
TSG 85 DD	85	0.75	3,000		3	70.300	**6062 33 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector



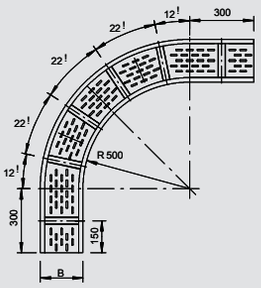
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



90° bend



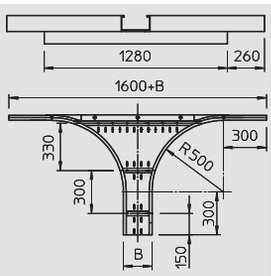
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRB 90 120 FS	200		1	1,148.000	**6098 30 4**
WRB 90 130 FS	300		1	1,428.000	**6098 30 8**
WRB 90 140 FS	400		1	1,653.000	**6098 31 2**
WRB 90 150 FS	500		1	1,935.000	**6098 31 6**
WRB 90 160 FS	600		1	2,234.000	**6098 32 0**
WRB 90 120 FT	200		1	1,207.000	**6098 34 4**
WRB 90 130 FT	300		1	1,505.000	**6098 34 8**
WRB 90 140 FT	400		1	1,744.000	**6098 35 2**
WRB 90 150 FT	500		1	2,043.000	**6098 35 6**
WRB 90 160 FT	600		1	2,360.000	**6098 36 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all wide span cable trays of 110 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



Add-on tee



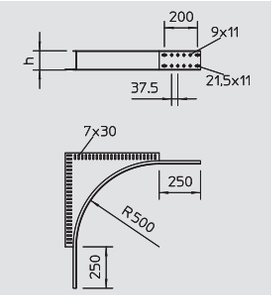
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRAA 120 FS	200		1	1,475.000	**6098 40 5**
WRAA 130 FS	300		1	1,605.000	**6098 40 9**
WRAA 140 FS	400		1	1,735.000	**6098 41 3**
WRAA 150 FS	500		1	1,865.000	**6098 41 7**
WRAA 160 FS	600		1	1,995.000	**6098 42 1**
WRAA 120 FT	200		1	1,564.000	**6098 44 5**
WRAA 130 FT	300		1	1,680.000	**6098 44 9**
WRAA 140 FT	400		1	1,839.000	**6098 45 3**
WRAA 150 FT	500		1	1,955.000	**6098 45 7**
WRAA 160 FT	600		1	2,080.000	**6098 46 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal use. For all wide span cable trays of 110 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



Add-on corner



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WEAS 110 FS	110		1	504.000	**6098 47 5**
WEAS 110 FT	110		1	534.000	**6098 47 9**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on corner for wide span cable trays and ladders with a side height of 110 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

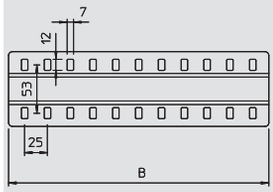


Joint plate

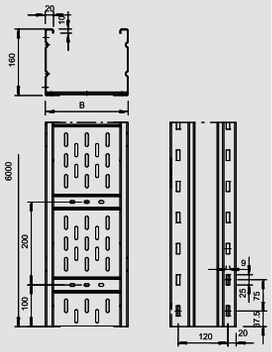
Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 100 FS	85	2		20	7.700	**7070 20 5**
SSLB 150 FS	135	2		20	12.200	**7070 20 9**
SSLB 200 FS	185	2		20	16.700	**7070 21 3**
SSLB 300 FS	285	3		20	25.700	**7070 21 7**
SSLB 400 FS	385	4		20	34.700	**7070 22 1**
SSLB 500 FS	485	5		20	43.700	**7070 22 5**
SSLB 550 FS	535	5		20	48.200	**7070 22 9**
SSLB 600 FS	585	6		20	52.700	**7070 23 3**
SSLB 100 DD	85	2		20	7.700	**7070 30 6**
SSLB 150 DD	135	2		20	12.200	**7070 31 0**
SSLB 200 DD	185	2		20	16.700	**7070 31 4**
SSLB 300 DD	285	3		20	25.700	**7070 31 8**
SSLB 400 DD	385	4		20	34.700	**7070 32 2**
SSLB 500 DD	485	5		20	43.700	**7070 32 6**
SSLB 550 DD	535	5		20	48.200	**7070 33 0**
SSLB 600 DD	585	6		20	52.700	**7070 33 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.



Always indicate the item number when ordering.



Wide span cable tray WKSG 160

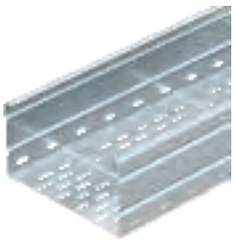
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 5.0 m	6.0 m	7.0 m	8.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKSG 162 FS	200	2	6,000	302	1.8	1.4	1	0.7	873.300	**6098 50 1**
WKSG 163 FS	300	2	6,000	455	1.8	1.4	1	0.7	981.670	**6098 50 5**
WKSG 164 FS	400	2	6,000	608	2	1.6	1.3	1	1,090.000	**6098 50 9**
WKSG 165 FS	500	2	6,000	761	2	1.6	1.3	1	1,196.670	**6098 51 3**
WKSG 166 FS	600	2	6,000	914	2	1.6	1.3	1	1,305.000	**6098 51 7**
WKSG 162 FT	200	2	6,000	302	1.8	1.4	1	0.7	921.700	**6098 55 0**
WKSG 163 FT	300	2	6,000	455	1.8	1.4	1	0.7	1,038.300	**6098 55 4**
WKSG 164 FT	400	2	6,000	608	2	1.6	1.3	1	1,150.000	**6098 55 8**
WKSG 165 FT	500	2	6,000	761	2	1.6	1.3	1	1,271.700	**6098 56 2**
WKSG 166 FT	600	2	6,000	914	2	1.6	1.3	1	1,388.300	**6098 56 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

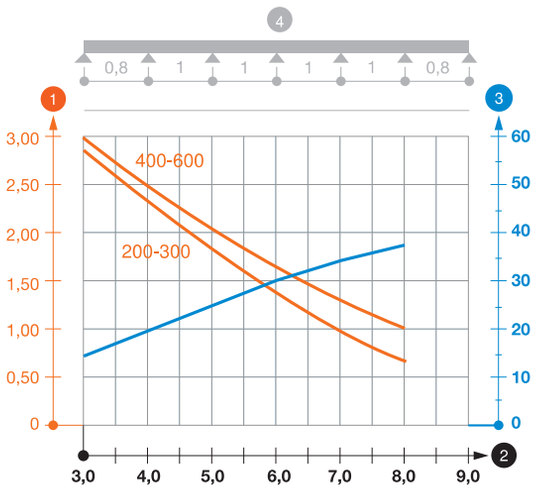
WKSG 160 = wide span cable tray system, perforated, with a side height of 160 mm.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

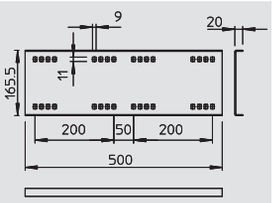
Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.



Load diagram, wide span cable tray, type WKSG 160



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Straight connector

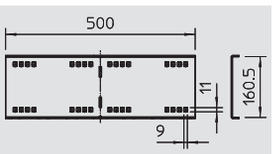
Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRVL 160 FS	160		2	218.000	**6227 70 8**
WRVL 160 FT	160		2	218.000	**6227 71 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for the connection of wide span cable trays and ladders of type WKSG and WKLG with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





Angle connector

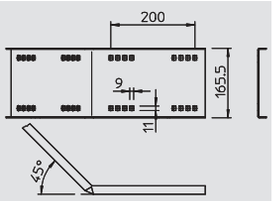
Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWVK 160 FS	160		2	186.000	**6227 83 2**
WRWVK 160 VA4301	160		2	186.000	**6227 83 6**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





45° angle connector, horizontal

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWV 160 I FS	160		1	234.000	**6227 90 2**
WRWV 160 I FT	160		1	234.000	**6227 91 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable tray, side height 160 mm



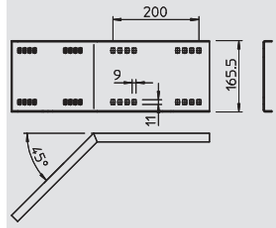
45° angle connector, horizontal

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 A FS	160		1	234.000	**6227 85 6**
WRWV 160 A FT	160		1	234.000	**6227 86 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





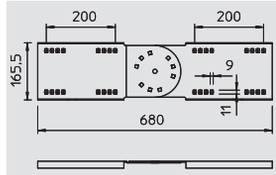
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 160 FS	160		2	310.000	**6227 95 3**
WRGV 160 FT	160		2	320.000	**6227 96 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.



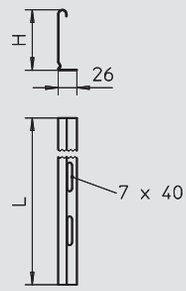


Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 110 FS	110	3,000		3	85.000	**6062 12 2**
TSG 110 DD	110	3,000		3	85.000	**6062 33 5**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



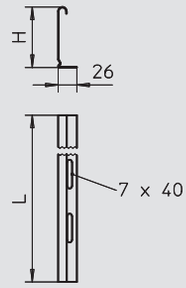


Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 135 FS	135	3,000		3	100.000	**6062 13 2**
TSG 135 DD	135	3,000		3	100.000	**6062 33 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



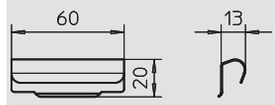


Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





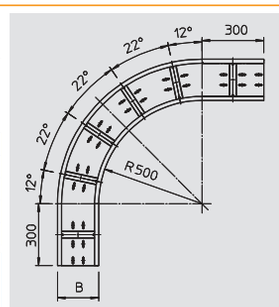
90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRB 90 162 FS	200		1	1,390.000	**6098 70 3**
WRB 90 163 FS	300		1	1,683.000	**6098 70 7**
WRB 90 164 FS	400		1	1,920.000	**6098 71 1**
WRB 90 165 FS	500		1	2,214.000	**6098 71 5**
WRB 90 166 FS	600		1	2,526.000	**6098 71 9**
WRB 90 162 FT	200		1	1,460.000	**6098 73 0**
WRB 90 163 FT	300		1	1,771.000	**6098 73 4**
WRB 90 164 FT	400		1	2,023.000	**6098 73 8**
WRB 90 165 FT	500		1	2,335.000	**6098 74 2**
WRB 90 166 FT	600		1	2,667.000	**6098 74 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all wide span cable trays of 160 mm side height.

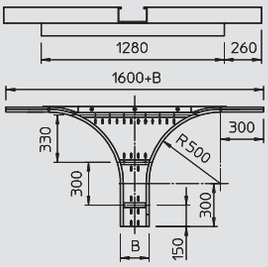
For further stabilisation, additional supports should be planned for the area of the fittings.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Add-on tee



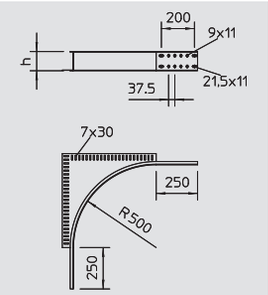
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRAA 162 FS	200		1	1,783.000	**6098 80 0**
WRAA 163 FS	300		1	1,990.000	**6098 80 4**
WRAA 164 FS	400		1	2,056.000	**6098 80 8**
WRAA 165 FS	500		1	2,193.000	**6098 81 2**
WRAA 166 FS	600		1	2,350.000	**6098 81 6**
WRAA 162 FT	200		1	1,865.000	**6098 82 7**
WRAA 163 FT	300		1	2,010.000	**6098 83 1**
WRAA 164 FT	400		1	2,154.000	**6098 83 5**
WRAA 165 FT	500		1	2,299.000	**6098 83 9**
WRAA 166 FT	600		1	2,460.000	**6098 84 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on tee for horizontal use. For all wide span cable trays of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



Add-on corner



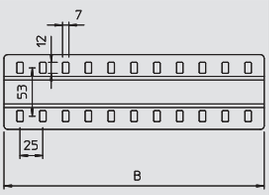
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WEAS 160 FS	160		1	632.000	**6098 86 0**
WEAS 160 FT	160		1	669.000	**6098 86 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Add-on corner for wide span cable trays and ladders with a side height of 160 mm.



Joint plate



Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 100 FS	85	2		20	7.700	**7070 20 5**
SSLB 150 FS	135	2		20	12.200	**7070 20 9**
SSLB 200 FS	185	2		20	16.700	**7070 21 3**
SSLB 300 FS	285	3		20	25.700	**7070 21 7**
SSLB 400 FS	385	4		20	34.700	**7070 22 1**
SSLB 500 FS	485	5		20	43.700	**7070 22 5**
SSLB 550 FS	535	5		20	48.200	**7070 22 9**
SSLB 600 FS	585	6		20	52.700	**7070 23 3**
SSLB 100 DD	85	2		20	7.700	**7070 30 6**
SSLB 150 DD	135	2		20	12.200	**7070 31 0**
SSLB 200 DD	185	2		20	16.700	**7070 31 4**
SSLB 300 DD	285	3		20	25.700	**7070 31 8**
SSLB 400 DD	385	4		20	34.700	**7070 32 2**
SSLB 500 DD	485	5		20	43.700	**7070 32 6**
SSLB 550 DD	535	5		20	48.200	**7070 33 0**
SSLB 600 DD	585	6		20	52.700	**7070 33 4**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable ladder, side height 110 mm



Wide span cable ladder WKLG 110

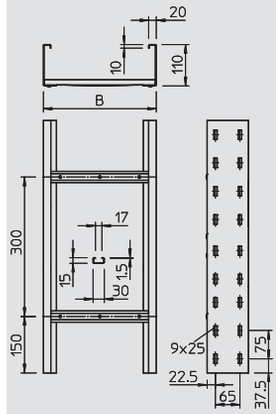
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 4.0 m	5.0 m	6.0 m	7.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKLG 1120 FS	200	2	6,000	186	1.6	1.1	0.8	0.4	565.000	**6311 00 8**
WKLG 1130 FS	300	2	6,000	281	1.6	1.1	0.8	0.4	591.000	**6311 01 2**
WKLG 1140 FS	400	2	6,000	376	2.1	1.5	1	0.7	617.300	**6311 01 6**
WKLG 1150 FS	500	2	6,000	471	2.1	1.5	1	0.7	644.300	**6311 02 0**
WKLG 1160 FS	600	2	6,000	566	2.1	1.5	1	0.7	671.300	**6311 02 4**
WKLG 1120 FT	200	2	6,000	186	1.6	1.1	0.8	0.4	591.000	**6311 05 9**
WKLG 1130 FT	300	2	6,000	281	1.6	1.1	0.8	0.4	618.500	**6311 06 3**
WKLG 1140 FT	400	2	6,000	376	2.1	1.5	1	0.7	646.700	**6311 06 7**
WKLG 1150 FT	500	2	6,000	471	2.1	1.5	1	0.7	675.000	**6311 07 1**
WKLG 1160 FT	600	2	6,000	566	2.1	1.5	1	0.7	703.700	**6311 07 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

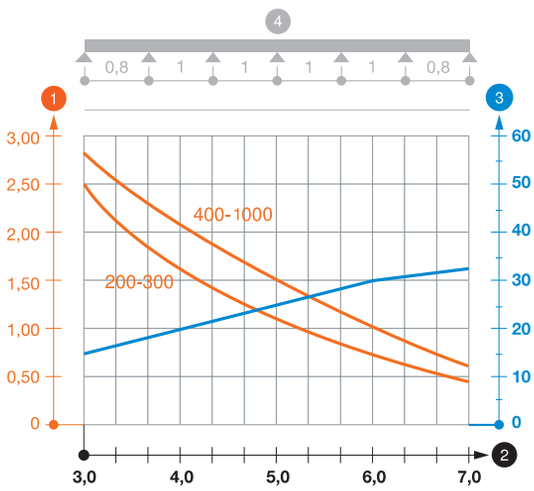
WKLG 110 = wide span cable ladder with perforated side rails of side height of 110 mm.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.



Load diagram, wide span cable ladder, type WKLG 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

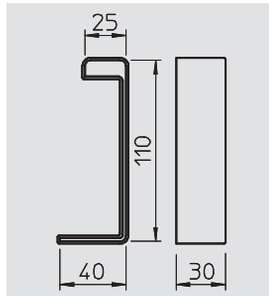


End cap

Type	Colour		Pack.	Weight	Item No.
			pair	kg/100 pairs	
SKHW 110 OR	Pastel orange		20	4.400	**6310 39 8**

PE Polyethylene /pair

End cap to cover the ends of wide span cable ladders.





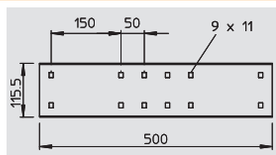
Straight connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRVL 110 FS	110		2	143.000	**6091 16 4**
WRVL 110 FT	110		2	149.000	**6091 18 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.





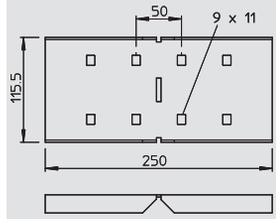
Angle connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWVK 110 FS	110		2	71.000	**6091 37 7**
WRWVK 110 VA4301	110		2	69.000	**6091 39 3**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

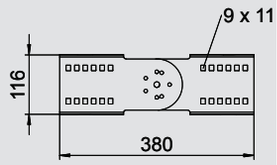
Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



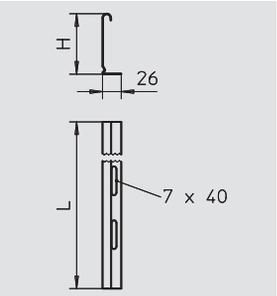
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 FS	110		2	119.000	**6091 31 8**
WRGV 110 FT	110		2	119.000	**6091 33 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.





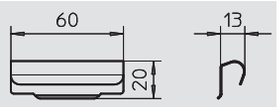
Barrier strip

Type	Dimension H mm	Plate thickness mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3,000		3	70.300	**6062 11 4**
TSG 85 DD	85	0.75	3,000		3	70.300	**6062 33 1**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.





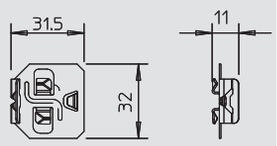
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





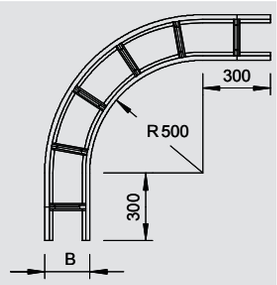
Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.





90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 112 FS	200		1	900.000	**6312 33 0**
WLB 90 113 FS	300		1	971.000	**6312 34 9**
WLB 90 114 FS	400		1	1,130.000	**6312 35 7**
WLB 90 115 FS	500		1	1,176.000	**6312 36 5**
WLB 90 116 FS	600		1	1,330.000	**6312 37 3**
WLB 90 112 FT	200		1	940.000	**6312 43 8**
WLB 90 113 FT	300		1	1,016.000	**6312 44 6**
WLB 90 114 FT	400		1	1,180.000	**6312 45 4**
WLB 90 115 FT	500		1	1,233.000	**6312 46 2**
WLB 90 116 FT	600		1	1,370.000	**6312 47 0**

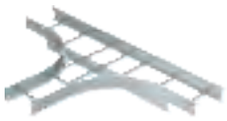
St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all wide span cable ladders of 110 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable ladder, side height 110 mm



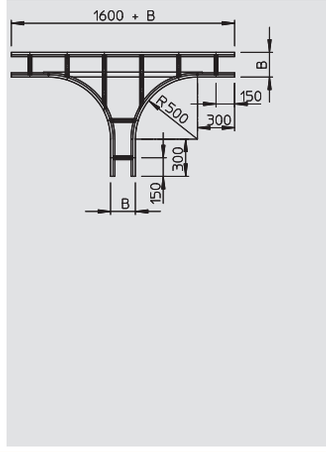
Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1120 FS	200		1	1,750.000	**6312 63 2**
WLT 1130 FS	300		1	1,927.000	**6312 64 0**
WLT 1140 FS	400		1	1,990.000	**6312 65 9**
WLT 1150 FS	500		1	2,172.000	**6312 66 7**
WLT 1160 FS	600		1	2,340.000	**6312 67 5**
WLT 1120 FT	200		1	1,830.000	**6312 71 3**
WLT 1130 FT	300		1	2,017.000	**6312 72 1**
WLT 1140 FT	400		1	2,080.000	**6312 74 8**
WLT 1150 FT	500		1	2,275.000	**6312 75 6**
WLT 1160 FT	600		1	2,440.000	**6312 76 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Horizontal tee, for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.





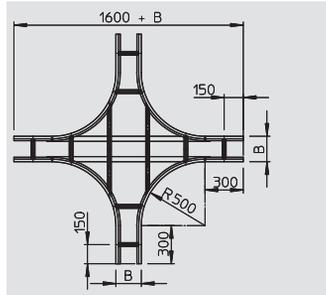
Cross-over

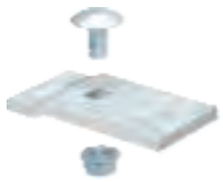
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLK 1120 FT	200		1	2,616.000	**6312 93 4**
WLK 1130 FT	300		1	2,844.000	**6312 94 2**
WLK 1140 FT	400		1	2,997.000	**6312 95 0**
WLK 1150 FT	500		1	3,145.000	**6312 96 9**
WLK 1160 FT	600		1	3,295.000	**6312 97 7**

St Steel FT Hot-dip galvanised /pc.

Horizontal cross-over for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.





Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS60 4 FT		50	6.000	**6221 12 2**

St Steel FT Hot-dip galvanised /pc.

Hold-down clamp for fastening cable ladders.

Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.

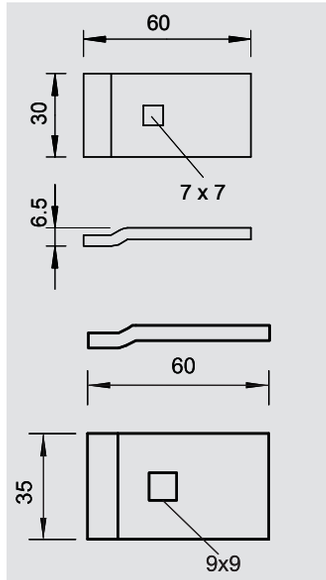


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 5 FT		50	10.000	**6232 48 5**

St Steel FT Hot-dip galvanised /pc.

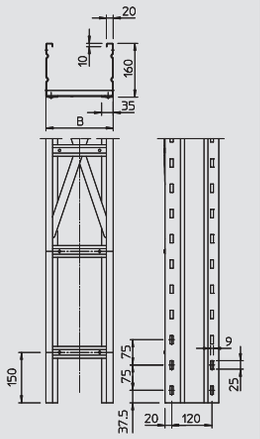
Hold-down clamp for fastening wide span cable ladders.

Fastening on bracket, type AW 80, and AWSS using the enclosed truss-head bolt FRS M8x20.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wide span cable ladder WKLG 160

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 5.0 m	6.0 m	7.0 m	8.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKLG 1620 FS	200	2	6,000	282	1.8	1.4	1	0.7	737.300	**6227 02 3**
WKLG 1630 FS	300	2	6,000	427	1.8	1.4	1	0.7	767.300	**6227 03 1**
WKLG 1640 FS	400	2	6,000	572	2	1.6	1.3	1	797.300	**6227 05 8**
WKLG 1650 FS	500	2	6,000	717	2	1.6	1.3	1	828.500	**6227 06 6**
WKLG 1660 FS	600	2	6,000	857	2	1.6	1.3	1	859.300	**6227 07 4**
WKLG 1620 FT	200	2	6,000	282	1.8	1.4	1	0.7	770.700	**6227 12 0**
WKLG 1630 FT	300	2	6,000	427	1.8	1.4	1	0.7	802.500	**6227 13 9**
WKLG 1640 FT	400	2	6,000	572	2	1.6	1.3	1	835.000	**6227 14 7**
WKLG 1650 FT	500	2	6,000	717	2	1.6	1.3	1	867.300	**6227 15 5**
WKLG 1660 FT	600	2	6,000	857	2	1.6	1.3	1	900.000	**6227 16 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

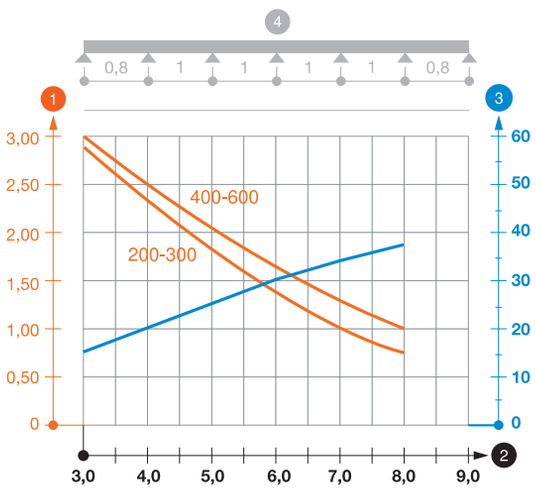
WKLG 160 = wide span cable ladder with perforated side rails of side height of 160 mm.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

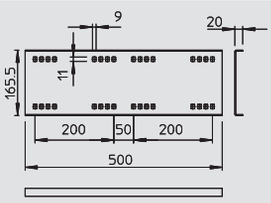
Straight connectors of type WRVL 160 should be ordered separately and in the appropriate quantity.



Load diagram, wide span cable ladder, type WKLG 160



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Straight connector

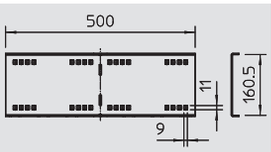
Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRVL 160 FS	160		2	218.000	**6227 70 8**
WRVL 160 FT	160		2	218.000	**6227 71 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for the connection of wide span cable trays and ladders of type WKSG and WKLG with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





Angle connector

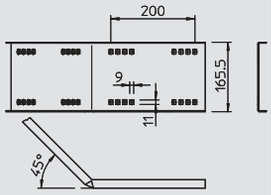
Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWVK 160 FS	160		2	186.000	**6227 83 2**
WRWVK 160 VA4301	160		2	186.000	**6227 83 6**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





45° angle connector, horizontal

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWV 160 I FS	160		1	234.000	**6227 90 2**
WRWV 160 I FT	160		1	234.000	**6227 91 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable ladder, side height 160 mm



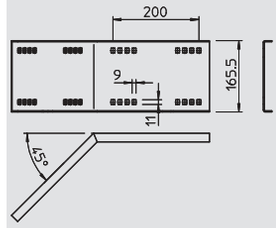
45° angle connector, horizontal

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 A FS	160		1	234.000	**6227 85 6**
WRWV 160 A FT	160		1	234.000	**6227 86 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





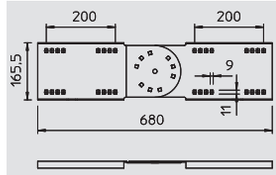
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 160 FS	160		2	310.000	**6227 95 3**
WRGV 160 FT	160		2	320.000	**6227 96 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.



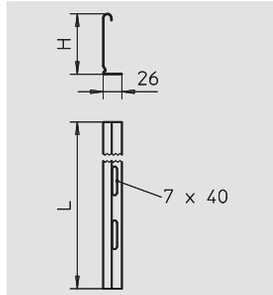


Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 110 FS	110	3,000		3	85.000	**6062 12 2**
TSG 110 DD	110	3,000		3	85.000	**6062 33 5**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



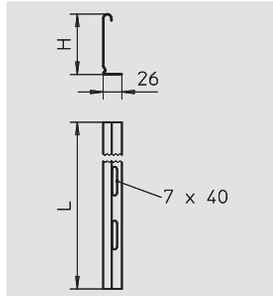


Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 135 FS	135	3,000		3	100.000	**6062 13 2**
TSG 135 DD	135	3,000		3	100.000	**6062 33 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



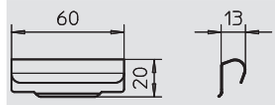


Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



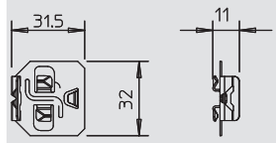


Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

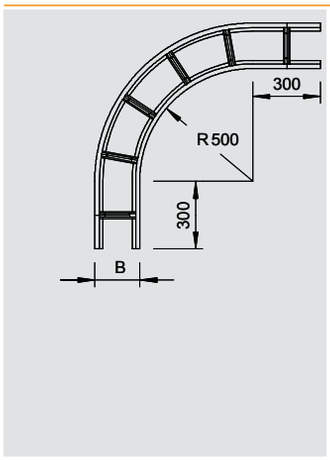
Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

90° bend



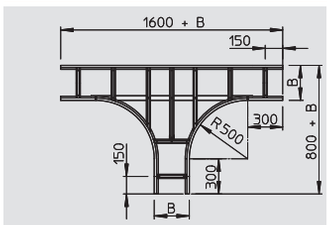


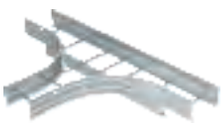
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 162 FS	200		1	1,145.000	**6229 33 6**
WLB 90 163 FS	300		1	1,250.000	**6229 34 4**
WLB 90 164 FS	400		1	1,355.000	**6229 35 2**
WLB 90 165 FS	500		1	1,504.000	**6229 36 0**
WLB 90 166 FS	600		1	1,618.000	**6229 37 9**
WLB 90 162 FT	200		1	1,200.000	**6229 42 5**
WLB 90 163 FT	300		1	1,310.000	**6229 43 3**
WLB 90 164 FT	400		1	1,420.000	**6229 44 1**
WLB 90 165 FT	500		1	1,576.000	**6229 46 8**
WLB 90 166 FT	600		1	1,996.000	**6229 47 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all wide span cable ladders of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

Tee



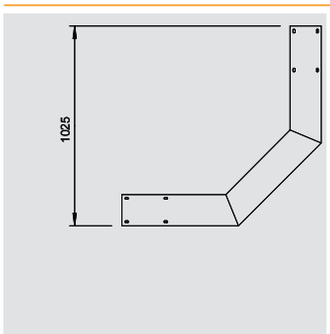


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1620 FT	200		1	2,345.000	**6229 72 7**
WLT 1630 FT	300		1	2,565.000	**6229 73 5**
WLT 1640 FT	400		1	2,725.000	**6229 74 3**
WLT 1650 FT	500		1	2,885.000	**6229 75 1**
WLT 1660 FT	600		1	3,040.000	**6229 77 8**

St Steel FT Hot-dip galvanised /pc.

Horizontal tee, for all wide span cable ladders of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

90° vertical bend, rising



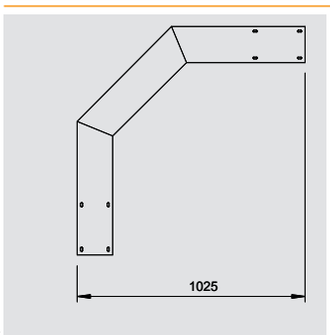


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLBS 90 162 FT	200		1	1,275.000	**6230 42 3**
WLBS 90 163 FT	300		1	1,335.000	**6230 43 1**
WLBS 90 164 FT	400		1	1,385.000	**6230 45 8**
WLBS 90 165 FT	500		1	1,445.000	**6230 46 6**
WLBS 90 166 FT	600		1	1,495.000	**6230 47 4**

St Steel FT Hot-dip galvanised /pc.

90° vertical bend, for all wide span cable ladders of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

90° vertical bend, falling



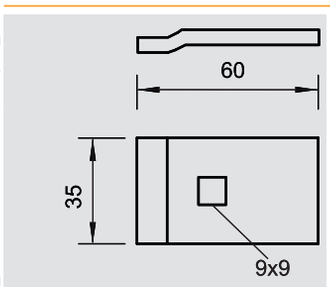


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLBF 90 162 FT	200		1	1,275.000	**6230 72 5**
WLBF 90 163 FT	300		1	1,335.000	**6230 73 3**
WLBF 90 164 FT	400		1	1,385.000	**6230 74 1**
WLBF 90 165 FT	500		1	1,445.000	**6230 76 8**
WLBF 90 166 FT	600		1	1,495.000	**6230 77 6**

St Steel FT Hot-dip galvanised /pc.

90° vertical bend, for all wide span cable ladders of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

Hold-down clamp





Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 5 FT		50	10.000	**6232 48 5**

St Steel FT Hot-dip galvanised /pc.

Hold-down clamp for fastening wide span cable ladders.
Fastening on bracket, type AW 80, and AWSS using the enclosed truss-head bolt FRS M8x20.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Accessories for cable tray/cable ladder side rail height 110, 160 mm



Cover

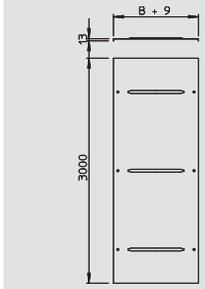
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
WDRL 1116 20 FS	200	1	3,000		180.000	**6227 42 2**
WDRL 1116 30 FS	300	1	3,000		260.000	**6227 43 0**
WDRL 1116 40 FS	400	1	3,000		340.000	**6227 44 9**
WDRL 1116 50 FS	500	1.5	3,000		520.000	**6227 45 7**
WDRL 1116 60 FS	600	1.5	3,000		617.000	**6227 46 5**
WDRL 1116 20 DD	200	1	3,000		193.340	**6227 60 0**
WDRL 1116 30 DD	300	1	3,000		272.000	**6227 60 4**
WDRL 1116 40 DD	400	1	3,000		521.067	**6227 60 8**
WDRL 1116 50 DD	500	1.5	3,000		639.340	**6227 61 2**
WDRL 1116 60 DD	600	1.5	3,000		760.000	**6227 61 6**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Cover with turn-buckles for wide span cable tray and wide span cable ladder with side heights of 110 and 160 mm.

Take appropriate constructive protection measures if there are high wind speeds.

Transverse bead from 500 mm width.



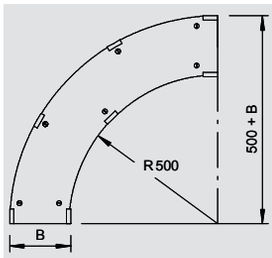


Cover for 90° bend

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WDBRL 90 20 FS	200	1		1	150.000	**6231 46 2**
WDBRL 90 30 FS	300	1		1	263.000	**6231 47 0**
WDBRL 90 40 FS	400	1		1	440.000	**6231 48 9**
WDBRL 90 50 FS	500	1		1	600.000	**6231 49 7**
WDBRL 90 60 FS	600	1		1	750.000	**6231 50 0**
WDBRL 90 20 DD	200	1		1	245.000	**6231 52 7**
WDBRL 90 30 DD	300	1		1	263.000	**6231 53 5**
WDBRL 90 40 DD	400	1		1	545.000	**6231 54 3**
WDBRL 90 50 DD	500	1		1	697.000	**6231 55 1**
WDBRL 90 60 DD	600	1		1	945.000	**6231 57 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for wide span 90° bend with pre-mounted turn-buckles.



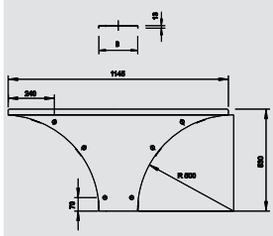


Cover for add-on tee

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WAAD 200 FS	200	1.5		1	193.000	**6231 90 0**
WAAD 300 FS	300	1.5		1	234.000	**6231 90 4**
WAAD 400 FS	400	1.5		1	413.000	**6231 90 8**
WAAD 500 FS	500	1.5		1	476.000	**6231 91 2**
WAAD 600 FS	600	1.5		1	538.000	**6231 91 6**
WAAD 200 DD	200	1.5		1	193.000	**6231 92 2**
WAAD 300 DD	300	1.5		1	234.000	**6231 92 6**
WAAD 400 DD	400	1.5		1	413.000	**6231 93 0**
WAAD 500 DD	500	1.5		1	476.000	**6231 93 4**
WAAD 600 DD	600	1.5		1	538.000	**6231 93 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Cover for wide span add-on tee with pre-mounted turn-buckles.

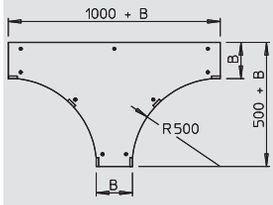


Cover for tee

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WDTRL 200 DD	200	1		1	392.000	**6231 66 7**
WDTRL 300 DD	300	1		1	552.000	**6231 67 5**
WDTRL 400 DD	400	1		1	1,050.000	**6231 68 3**
WDTRL 500 DD	500	1.25		1	1,410.000	**6231 69 1**
WDTRL 600 DD	600	1.25		1	1,720.000	**6231 70 5**

St Steel DD Zinc-aluminium coated, double-dip /pc.

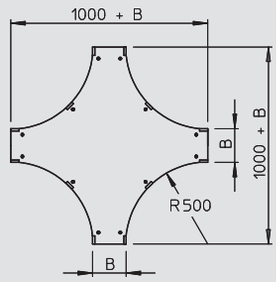
Cover for wide span tee with pre-mounted turn-buckles.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Accessories for cable tray/cable ladder side rail height 110, 160 mm

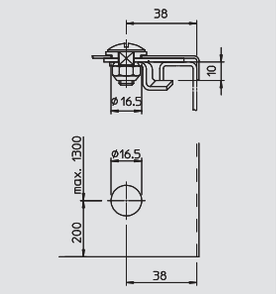


Cover for cross-over

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WDKRL 200 DD	200	1		1	520.000	**6231 80 2**
WDKRL 300 DD	300	1		1	748.000	**6231 81 0**
WDKRL 400 DD	400	1		1	1,500.000	**6231 82 9**
WDKRL 500 DD	500	1.25		1	1,790.000	**6231 83 7**
WDKRL 600 DD	600	1.25		1	2,350.000	**6231 84 5**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Cover for wide span cross-over with pre-mounted turn-buckles.

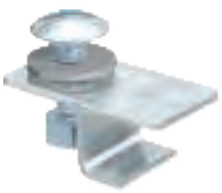


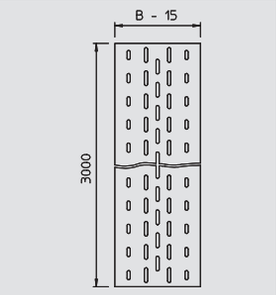
Turn buckle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
WDR 317 VA4301		10	2.800	**6227 62 7**

V2A Stainless steel, grade 304 /pc.

Turn-buckle for additional installation or installation at a later date in wide span covers of side heights 110 and 160 mm.





Insert plate

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
ELB-L 20 FS	200	1	3,000		129.000	**6103 23 5**
ELB-L 30 FS	300	1	3,000		202.000	**6103 25 1**
ELB-L 40 FS	400	1	3,000		270.000	**6103 28 6**
ELB-L 50 FS	500	1	3,000		339.000	**6103 31 6**
ELB-L 60 FS	600	1	3,000		396.000	**6103 33 2**

St Steel FS Strip-galvanised /m

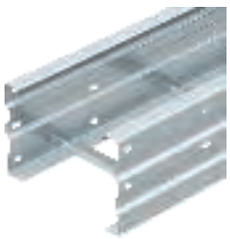
Insert plate for use in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable ladder, side height 200 mm

Wide span cable ladder WKL 200



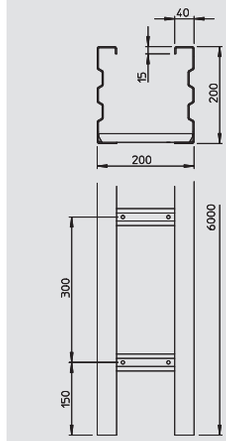
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 6.0 m	7.0 m	8.0 m	9.0 m	10.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKL 2020 FT	200	2.5	6,000	344	3	2.5	2	1.4	1	1,320.000	**6232 02 7**
WKL 2030 FT	300	2.5	6,000	524	3	2.5	2	1.4	1	1,358.000	**6232 03 5**
WKL 2040 FT	400	2.5	6,000	704	3	2.5	2	1.4	1	1,398.000	**6232 04 3**
WKL 2050 FT	500	2.5	6,000	884	3	2.5	2	1.4	1	1,440.000	**6232 05 1**
WKL 2060 FT	600	2.5	6,000	1,064	3	2.5	2	1.4	1	1,480.000	**6232 07 8**

St Steel FT Hot-dip galvanised /m

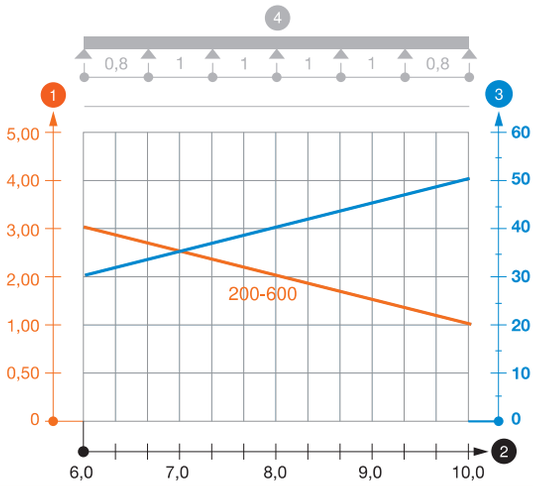
WKL 200 = wide span cable ladder with a side height of 200 mm.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Straight connectors of type WRV 200 should be ordered separately and in the appropriate quantity.



Load diagram, wide span cable ladder, type WKL 200



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Straight connector

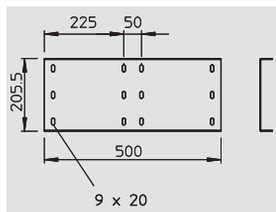


Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRV 200 FT	200		4	298.000	**6232 50 7**

St Steel FT Hot-dip galvanised /pc.

Straight connector for connections of wide span cable ladders and fittings with a side height of 200 mm.

Including appropriate bolts, washers and nuts.



45° angle connector, horizontal



Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWV 200 I FT	200		4	322.000	**6232 61 2**

St Steel FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable ladders of 200 mm side height.

Including appropriate bolts, washers and nuts.

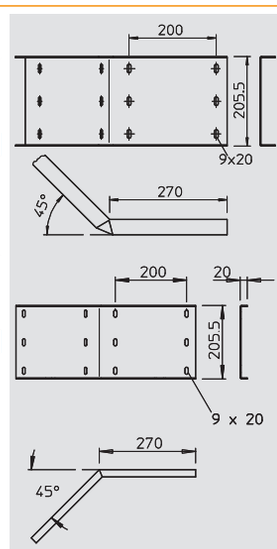


Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRWV 200 A FT	200		4	322.000	**6232 60 4**

St Steel FT Hot-dip galvanised /pc.

45° angle connector, horizontal, for wide span cable ladders of 200 mm side height.

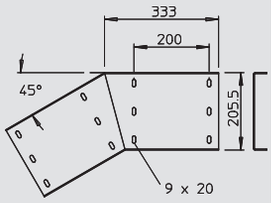
Including appropriate bolts, washers and nuts.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

45° angle connector, vertical



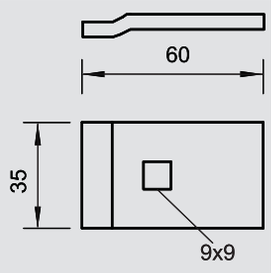
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 200 V FT	200		4	343.000	**6232 66 3**

St Steel FT Hot-dip galvanised /pc.

45° angle connector, vertical, for wide span cable ladders of 200 mm side height.
Including appropriate bolts, washers and nuts.



Hold-down clamp



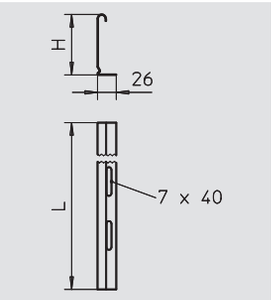
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 5 FT		50	10.000	**6232 48 5**

St Steel FT Hot-dip galvanised /pc.

Hold-down clamp for fastening wide span cable ladders.
Fastening on bracket, type AW 80, and AWSS using the enclosed truss-head bolt FRS M8x20.



Barrier strip



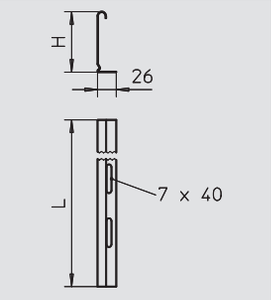
Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 110 FS	110	3,000		3	85.000	**6062 12 2**
TSG 110 DD	110	3,000		3	85.000	**6062 33 5**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip



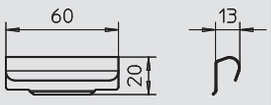
Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 135 FS	135	3,000		3	100.000	**6062 13 2**
TSG 135 DD	135	3,000		3	100.000	**6062 33 8**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector



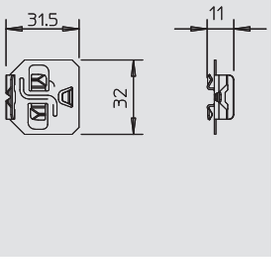
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



Hold-down clamp for barrier strip fastening



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wide span cable ladder, side height 200 mm

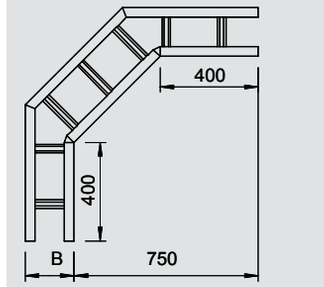


90° bend

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 2020 FT	200		1	1,885.000	**6233 42 2**
WLB 90 2030 FT	300		1	2,065.000	**6233 43 0**
WLB 90 2040 FT	400		1	2,241.000	**6233 44 9**
WLB 90 2050 FT	500		1	2,425.000	**6233 45 7**
WLB 90 2060 FT	600		1	2,605.000	**6233 46 5**

St Steel FT Hot-dip galvanised /pc.

90° bend, horizontal, for all wide span cable ladders of 200 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



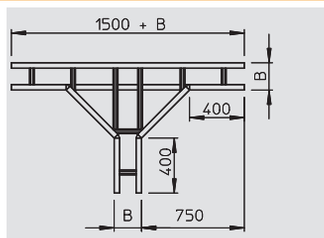


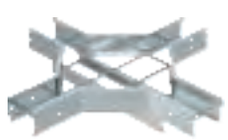
Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 2020 FT	200		1	3,385.000	**6233 62 7**
WLT 2030 FT	300		1	3,590.000	**6233 63 5**
WLT 2040 FT	400		1	3,800.000	**6233 64 3**
WLT 2050 FT	500		1	4,100.000	**6233 65 1**
WLT 2060 FT	600		1	4,320.000	**6233 67 8**

St Steel FT Hot-dip galvanised /pc.

Horizontal tee, for all wide span cable ladders of 200 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



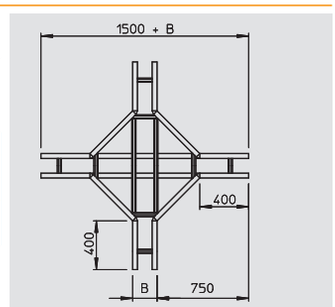


Cross-over

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WKLK 2020 FT	200		1	4,675.000	**6233 72 4**
WKLK 2030 FT	300		1	4,900.000	**6233 73 2**
WKLK 2040 FT	400		1	5,125.000	**6233 74 0**
WKLK 2050 FT	500		1	5,480.000	**6233 75 9**
WKLK 2060 FT	600		1	5,720.000	**6233 76 7**

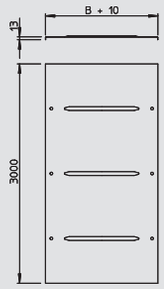
St Steel FT Hot-dip galvanised /pc.

Horizontal cross-over for all wide span cable ladders of 200 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cover

Type	Width mm	Length mm		Weight kg/100 m	Item No.
WKLD 2020 DD	200	3,000		270.000	**6232 38 0**
WKLD 2030 DD	300	3,000		390.000	**6232 38 4**
WKLD 2040 DD	400	3,000		507.000	**6232 38 8**
WKLD 2050 DD	500	3,000		624.000	**6232 39 2**
WKLD 2060 DD	600	3,000		744.000	**6232 39 6**

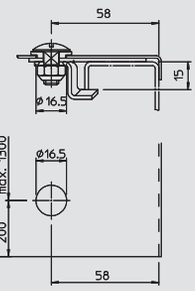
St Steel DD Zinc-aluminium coated, double-dip /m

Cover for wide span cable ladders of side height 200 mm.

Take appropriate constructive protection measures if there are high wind speeds.

Transverse bead from 500 mm width



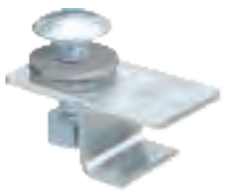


Turn buckle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
WDR 317 A VA4301		10	2.800	**6232 43 4**

V2A Stainless steel, grade 304 /pc.

Turn-buckle for additional installation or installation at a later date in the cover for wide span cable ladders, type WKLD 200.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Vertical cable ladder systems

	Light-duty cable ladder	Cable ladder length 3.0 m, Rung spacing 300 mm Cable ladder length 6.0 m, Rung spacing 300 mm	348
	Medium-duty cable ladder	Cable ladder length 3.0 m, Rung spacing 300 mm Cable ladder length 6.0 m, Rung spacing 300 mm Accessories for light/medium-duty cable ladder Connector Cover	349 350 350
	Heavy-duty cable ladder with US 5 support	Cable ladder length 3.0 m, Rung distance 600 mm, rung CPS4	351
	Vertical cable ladder, modular system	Cable ladder length 3.0 m with US 5 support Cable ladder length 3.0–6.0 m with US 7 support Cable ladder length 3.0 m with IS 8 support Rung	351
	Industrial cable ladder	With W40 rung, cable ladder length 6.0 m, Rung spacing 600 mm With C40 rung, cable ladder length 6.0 m, Rung spacing 600 mm	354 354
	U clamp	For C profile, slot width 11–12 mm For C profile, slot width 16–17 mm For C profile, slot width 18–22 mm For angular steels For flat iron	357 359 360 362 363

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Light-duty vertical cable ladder, 3.000 mm



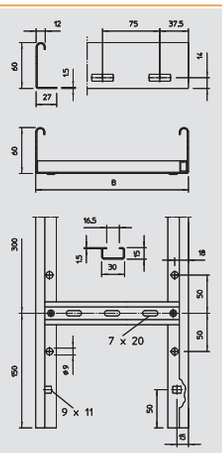
Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 VS 3000FS	200	1.5	3,000	2.25	1.5	1	0.4	281.700	**6208 53 8**
LG 630 VS 3000FS	300	1.5	3,000	2.25	1.5	1	0.4	306.000	**6208 54 1**
LG 640 VS 3000FS	400	1.5	3,000	2.25	1.5	1	0.4	330.000	**6208 54 4**
LG 650 VS 3000FS	500	1.5	3,000	2.25	1.5	1	0.4	354.300	**6208 54 7**
LG 660 VS 3000FS	600	1.5	3,000	2.25	1.5	1	0.4	378.300	**6208 55 0**
LG 620 VS 3000FT	200	1.5	3,000	2.25	1.5	1	0.4	298.300	**6208 56 2**
LG 630 VS 3000FT	300	1.5	3,000	2.25	1.5	1	0.4	324.300	**6208 56 6**
LG 640 VS 3000FT	400	1.5	3,000	2.25	1.5	1	0.4	350.000	**6208 57 0**
LG 650 VS 3000FT	500	1.5	3,000	2.25	1.5	1	0.4	376.000	**6208 57 4**
LG 660 VS 3000FT	600	1.5	3,000	2.25	1.5	1	0.4	401.700	**6208 57 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056 in the vertical ladder systems chapter.



Light-duty vertical cable ladder, 6.000 mm



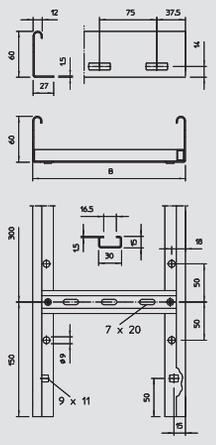
Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 VS 6000FS	200	1.5	6,000	2.25	1.5	1	0.4	273.800	**6208 62 7**
LG 630 VS 6000FS	300	1.5	6,000	2.25	1.5	1	0.4	298.000	**6208 63 0**
LG 640 VS 6000FS	400	1.5	6,000	2.25	1.5	1	0.4	322.200	**6208 63 3**
LG 650 VS 6000FS	500	1.5	6,000	2.25	1.5	1	0.4	346.300	**6208 63 6**
LG 660 VS 6000FS	600	1.5	6,000	2.25	1.5	1	0.4	370.500	**6208 63 9**
LG 620 VS 6000FT	200	1.5	6,000	2.25	1.5	1	0.4	290.000	**6208 65 0**
LG 630 VS 6000FT	300	1.5	6,000	2.25	1.5	1	0.4	315.800	**6208 65 3**
LG 640 VS 6000FT	400	1.5	6,000	2.25	1.5	1	0.4	334.200	**6208 65 6**
LG 650 VS 6000FT	500	1.5	6,000	2.25	1.5	1	0.4	367.500	**6208 65 9**
LG 660 VS 6000FT	600	1.5	6,000	2.25	1.5	1	0.4	393.300	**6208 66 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

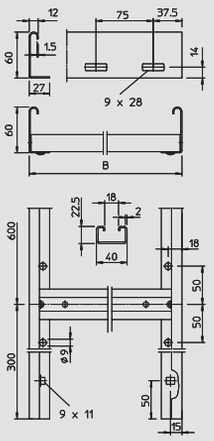
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056 in the vertical ladder systems section.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Medium-duty vertical cable ladder SLL, 6.000 mm

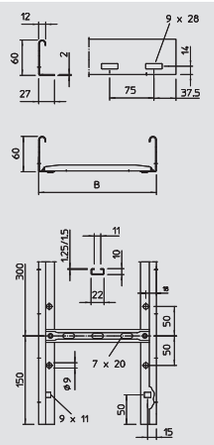
Type	Width	Length		Weight	Item No.
	mm	mm		kg/100 m	
SLL 620 CPS 4 FS	200	6,000		273.000	**6010 62 0**
SLL 630 CPS 4 FS	300	6,000		299.500	**6010 62 2**
SLL 640 CPS 4 FS	400	6,000		325.800	**6010 62 4**
SLL 650 CPS 4 FS	500	6,000		352.300	**6010 62 6**
SLL 660 CPS 4 FS	600	6,000		378.800	**6010 62 8**
SLL 620 CPS 4 FT	200	6,000		286.300	**6010 63 0**
SLL 630 CPS 4 FT	300	6,000		314.000	**6010 63 2**
SLL 640 CPS 4 FT	400	6,000		341.700	**6010 63 4**
SLL 650 CPS 4 FT	500	6,000		369.200	**6010 63 6**
SLL 660 CPS 4 FT	600	6,000		396.800	**6010 63 8**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Vertical ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction.

Fastening takes place directly on the wall or using the wall brackets, type WB 30/75. The slot dimension of the rung is 18 mm and the appropriate U clamp is type 2056U.





Medium-duty vertical cable ladder SLG, 6.000 mm

Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SLG 620 NS FT	200	2	6,000	2	1.5	1.1	0.45	335.800	**6207 99 1**
SLG 630 NS FT	300	2	6,000	2	1.5	1.1	0.45	351.200	**6207 99 3**
SLG 640 NS FT	400	2	6,000	2	1.5	1.1	0.45	366.200	**6207 99 5**
SLG 650 NS FT	500	2	6,000	2	1.5	1.1	0.45	393.300	**6207 99 7**
SLG 660 NS FT	600	2	6,000	2	1.5	1.1	0.45	410.700	**6207 99 9**

St Steel FT Hot-dip galvanised /m

Cable ladder with 60 mm side height with riveted C profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamp, type LKS 40. The slot dimension of the frame is 11 mm and the appropriate U clamp is type 2056/N.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Vertical cable ladder accessories 60



End cap

Type	Colour		Pack. pair	Weight kg/100 pairs	Item No.
SKH 60 OR	Pastel orange		40	1.100	**6222 53 7**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 60 mm.





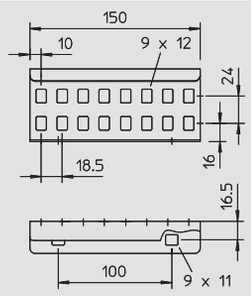
Straight connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 60 FS	60		20	20.000	**6208 84 0**
LVG 60 FT	60		20	22.000	**6208 84 3**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





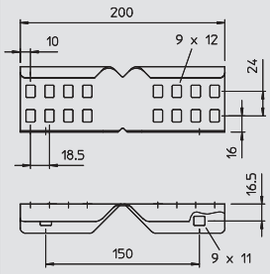
Angle connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 FS	60		20	24.000	**6208 89 5**
LWVG 60 VA4301	60		20	24.000	**6208 89 8**

St Steel V2A Stainless steel, grade 304 FS Strip-galvanised /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





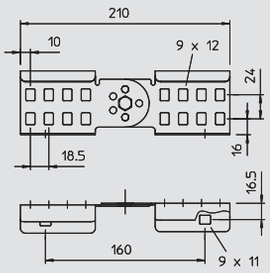
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 FS	60		10	27.000	**6208 94 1**
LGVG 60 FT	60		10	29.000	**6208 94 4**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



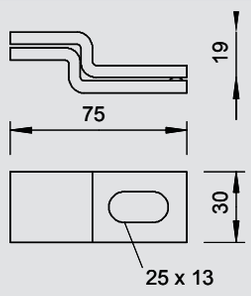


Wall bracket

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
WB 30 75 FT		10	20.000	**6019 61 7**

St Steel FT Hot-dip galvanised /pc.

Wall bracket for fastening vertical ladders, type SLL 60, to concrete walls and masonry.





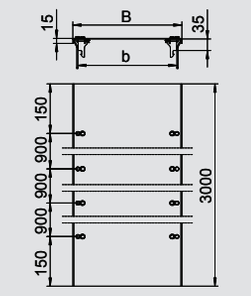
Cover with spacer

Type	Length mm	Dimension b mm	Dimension B mm		Weight kg/100 m	Item No.
DRL AB NG230 FT	3,000	200	230		262.300	**6051 23 2**
DRL AB NG330 FT	3,000	300	330		489.470	**6051 23 3**
DRL AB NG430 FT	3,000	400	430		616.700	**6051 23 4**
DRL AB NG530 FT	3,000	500	530		743.800	**6051 23 5**
DRL AB NG630 FT	3,000	600	630		870.940	**6051 23 6**

St Steel FT Hot-dip galvanised /m

Cover with spacers for vertical ladders and cable ladders.

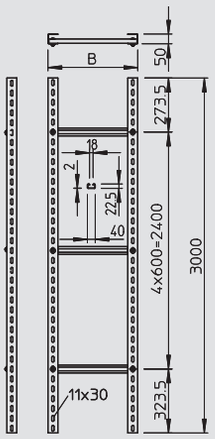
Set consists of one cover and eight unmounted spacers.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Heavy-duty vertical cable ladder, 3.000 mm



Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLM 50 C40 2 FT	200	3,000		580.000	**6010 46 6**
SLM 50 C40 3 FT	300	3,000		615.000	**6010 47 4**
SLM 50 C40 4 FT	400	3,000		640.000	**6010 48 2**
SLM 50 C40 5 FT	500	3,000		675.000	**6010 49 0**
SLM 50 C40 6 FT	600	3,000		695.000	**6010 50 4**
SLM 50 C40 7 FT	700	3,000		720.000	**6010 51 2**
SLM 50 C40 8 FT	800	3,000		750.000	**6010 52 0**
SLM 50 C40 9 FT	900	3,000		775.000	**6010 53 9**
SLM 50 C40 10 FT	1,000	3,000		805.000	**6010 54 7**
SLM 50 C40 11 FT	1,100	3,000		835.000	**6010 55 5**
SLM 50 C40 12 FT	1,200	3,000		860.000	**6010 56 3**

St Steel FT Hot-dip galvanised /m

Vertical ladder of side height 50 mm with screwed-in C profile rungs, open in an upwards direction.

The ladder is shipped in an unmounted state.
The appropriate U clamp is type 2056U.



US 5 support



Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 20 FT	200	2.5		1	53.000	**6340 88 1**
US 5 30 FT	300	2.5		1	79.000	**6340 90 3**
US 5 40 FT	400	2.5		1	106.000	**6340 91 1**
US 5 50 FT	500	2.5		1	133.000	**6340 93 8**
US 5 60 FT	600	2.5		1	160.000	**6340 94 6**
US 5 70 FT	700	2.5		1	175.000	**6340 95 0**
US 5 80 FT	800	2.5		1	200.000	**6340 95 4**
US 5 90 FT	900	2.5		1	227.000	**6340 95 8**
US 5 100 FT	1,000	2.5		1	265.000	**6340 96 2**
US 5 150 FT	1,500	2.5		1	395.000	**6340 96 6**
US 5 200 FT	2,000	2.5		1	506.000	**6340 97 0**
US 5 300 FT	3,000	2.5		1	795.000	**6340 98 9**
US 5 600 FT	6,000	2.5		1	1,578.000	**6340 99 7**

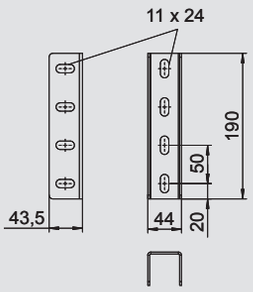
St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 50 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.



U support connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 5 FT		10	44.000	**6018 50 5**

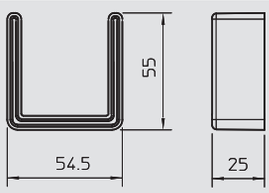
St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 5 supports.

Including appropriate fastening material.



End cap



Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
US 5 KS OR	Pastel orange		20	1.300	**6338 46 2**

PE Polyethylene /pc.

End cap to cover the ends of US 5 supports.



US 3 support

Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 600 FT	6,000	2		1	834.000	**6342 45 0**

St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 30 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Modular cable ladder with US 3, US 5, US 7 support

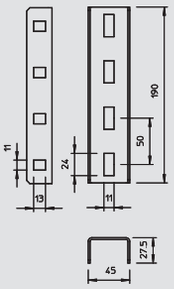


U support connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 3 FT		10	48.000	**6018 51 3**

St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 3 supports.
Including appropriate fastening material.



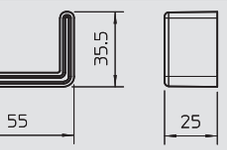


End cap

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 KS OR	Pastel orange		20	1.070	**6338 45 8**

PE Polyethylene /pc.

End cap to cover the ends of US 3 supports.



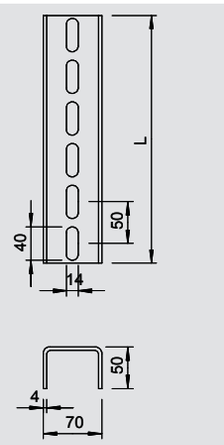


US 7 support

Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 7 20 FT	200	4		1	81.000	**6340 01 6**
US 7 30 FT	300	4		1	121.000	**6340 03 2**
US 7 40 FT	400	4		1	161.000	**6340 05 9**
US 7 50 FT	500	4		1	202.000	**6340 07 5**
US 7 60 FT	600	4		1	242.000	**6340 09 1**
US 7 70 FT	700	4		1	283.000	**6340 11 3**
US 7 80 FT	800	4		1	323.000	**6340 14 8**
US 7 90 FT	900	4		1	363.000	**6340 16 4**
US 7 100 FT	1,000	4		1	404.000	**6340 18 0**
US 7 110 FT	1,100	4		1	444.000	**6340 19 9**
US 7 120 FT	1,200	4		1	484.000	**6340 20 2**
US 7 130 FT	1,300	4		1	525.000	**6340 21 0**
US 7 140 FT	1,400	4		1	565.000	**6340 22 9**
US 7 150 FT	1,500	4		1	606.000	**6340 23 7**
US 7 160 FT	1,600	4		1	646.000	**6340 24 5**
US 7 170 FT	1,700	4		1	686.000	**6340 25 3**
US 7 180 FT	1,800	4		1	727.000	**6340 26 1**
US 7 190 FT	1,900	4		1	767.000	**6340 28 8**
US 7 200 FT	2,000	4		1	807.000	**6340 29 6**
US 7 300 FT	3,000	4		1	1,211.000	**6340 37 7**
US 7 400 FT	4,000	4		1	1,615.000	**6340 39 3**
US 7 600 FT	6,000	4		1	2,422.000	**6340 31 8**

St Steel FT Hot-dip galvanised /pc.

U support in fixed lengths. Dimensions 70 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.



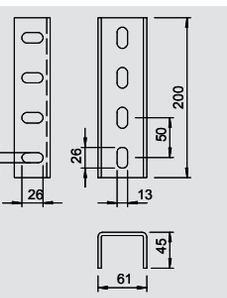


U support connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 7 FT		10	114.000	**6018 37 8**

St Steel FT Hot-dip galvanised /pc.

U support connector to connect US 7 supports.
Including appropriate fastening material.



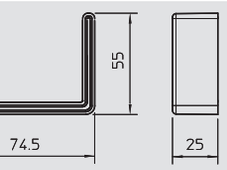


End cap

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
US 7 KS OR	Pastel orange		20	1.800	**6338 49 7**

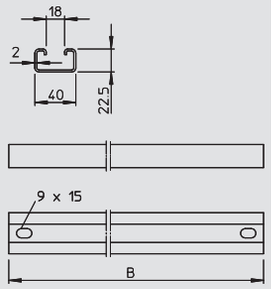
PE Polyethylene /pc.

End cap to cover the ends of US 7 supports.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Rung CPS 4

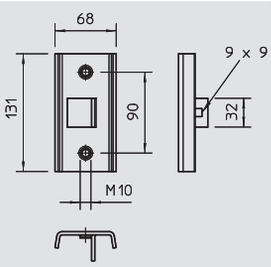
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
CPS 4 SPR 192 FT	40		10	31.800	6007 20 1
CPS 4 SPR 292 FT	40		10	44.700	6007 22 8
CPS 4 SPR 392 FT	40		10	60.100	6007 23 6
CPS 4 SPR 492 FT	492		10	81.500	6007 24 4
CPS 4 SPR 592 FT	592		10	96.000	6007 25 2
CPS 4 SPR 692 FT	692		10	113.000	6007 26 0
CPS 4 SPR 792 FT	792		10	130.000	6007 27 9
CPS 4 SPR 892 FT	892		10	145.000	6007 28 7
CPS 4 SPR 992 FT	992		10	162.000	6007 29 5
CPS 4 SPR1092 FT	1,092		10	178.000	6007 30 9
CPS 4 SPR1192 FT	1,192		10	194.000	6007 31 7

St Steel FT Hot-dip galvanised /pc.

CPS 4 rung for use in heavy-duty vertical ladders.

Maximum rung load 175 kg - The appropriate U clamp is type 2056U.





Rung seat

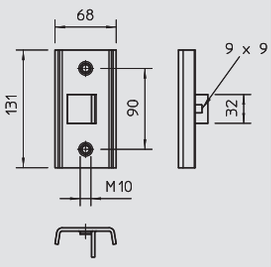
Type		Pack. pair	Weight kg/100 pairs	Item No.
SA CPS 4 FT		5	83.600	6007 49 6

St Steel FT Hot-dip galvanised /pair

Rung seat for fastening rungs of type CPS 4 to IS 8 supports.

The set consists of two rung seats, two hexagonal bolts M8 x 16 mm and four hexagonal bolts M10 x 25 mm.





Rung seat

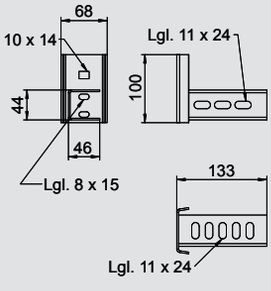
Type		Pack. pair	Weight kg/100 pairs	Item No.
SAA CPS 4 FT		5	82.600	6007 49 8

St Steel FT Hot-dip galvanised /pair

Rung seat for fastening rungs of type CPS 4 in steel girders.

The set consists of two head plates, two truss-head bolts M8 x 16 mm and four hexagonal bolts with coned point M10 x 30 mm.





Rung seat

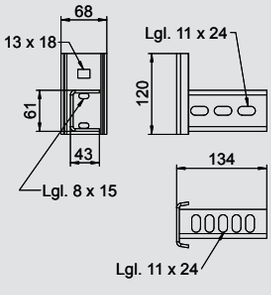
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SA US5 FT SO		5	47.000	7194 11 5

St Steel FT SO Hot-dip galvanised 85 µm /pc.

Rung seat for fastening rungs of type US 5 to IS 8 supports.

The set consists of two rung seats, two hexagonal bolts M8 x 16 mm and four hexagonal bolts M10 x 25 mm.





Rung seat

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SA US7 FT SO		5	77.000	7194 11 7

St Steel FT SO Hot-dip galvanised 85 µm /pc.

Rung seat for fastening rungs of type US 7 to IS 8 supports.

The set consists of two rung seats, two hexagonal bolts M8 x 16 mm and four hexagonal bolts M10 x 25 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Industrial vertical cable ladder

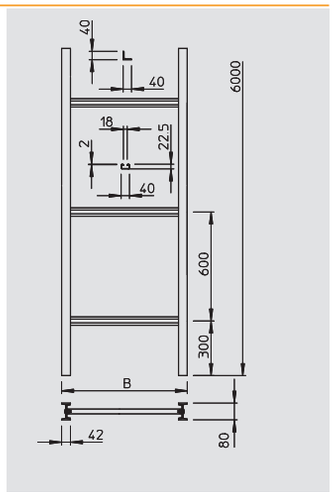


Industrial vertical cable ladder C40

Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLS 80 C40 2 FT	200	6,000		1,278.000	**6013 38 4**
SLS 80 C40 3 FT	300	6,000		1,305.000	**6013 39 2**
SLS 80 C40 4 FT	400	6,000		1,315.000	**6013 40 6**
SLS 80 C40 5 FT	500	6,000		1,340.000	**6013 41 4**
SLS 80 C40 6 FT	600	6,000		1,365.000	**6013 42 2**
SLS 80 C40 7 FT	700	6,000		1,390.000	**6013 43 0**
SLS 80 C40 8 FT	800	6,000		1,350.000	**6013 44 9**
SLS 80 C40 9 FT	900	6,000		1,385.000	**6013 45 7**
SLS 80 C40 10 FT	1,000	6,000		1,410.000	**6013 46 5**
SLS 80 C40 11 FT	1,100	6,000		1,435.000	**6013 47 3**
SLS 80 C40 12 FT	1,200	6,000		1,460.000	**6013 48 1**

St Steel FT Hot-dip galvanised /m

Vertical ladder of side height 80 mm with screwed-in rungs.
The vertical ladder is shipped in an unmounted state.
The appropriate clamp clip is type 2056U.



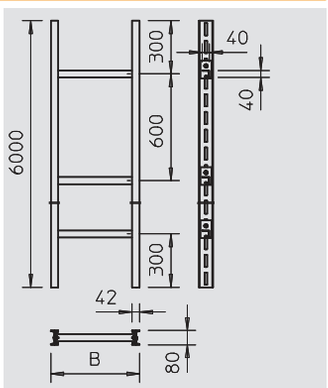


Industrial vertical cable ladder W40

Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLS 80 W40 4 FT	400	6,000		1,295.000	**6013 84 8**
SLS 80 W40 5 FT	500	6,000		1,335.000	**6013 85 6**
SLS 80 W40 6 FT	600	6,000		1,380.000	**6013 86 4**
SLS 80 W40 7 FT	700	6,000		1,420.000	**6013 87 2**
SLS 80 W40 8 FT	800	6,000		1,460.000	**6013 88 0**
SLS 80 W40 9 FT	900	6,000		1,500.000	**6013 89 9**
SLS 80 W40 10 FT	1,000	6,000		1,545.000	**6013 90 2**

St Steel FT Hot-dip galvanised /m

Vertical ladder of side height 80 mm with screwed-in rungs.
The vertical ladder is shipped in an unmounted state.
The appropriate U clamp is type 2056W.



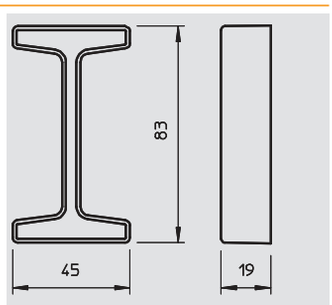


End cap

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
IS 8 KS OR	Pastel orange		20	0.800	**6338 51 9**

PE Polyethylene /pc.

End cap to cover the ends of IS 8 supports.



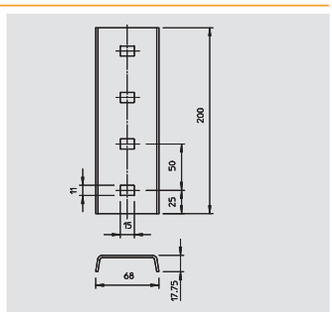


I support connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VIS 8 FT		5	87.000	**6018 30 0**

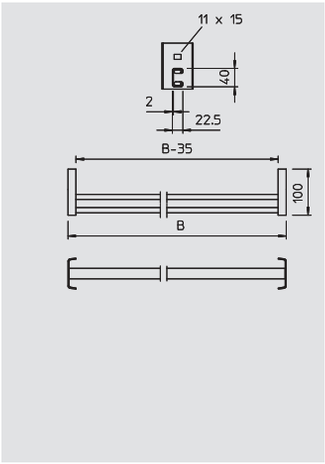
St Steel FT Hot-dip galvanised /pc.

I support connector to connect IS 8 supports.
Including appropriate fastening material.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



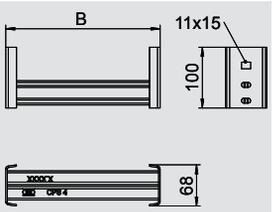
Rung CK 40



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
CK 40 20 FT	154		5	62.300	**6008 22 4**
CK 40 30 FT	254		5	95.500	**6008 23 2**
CK 40 40 FT	354		5	95.500	**6008 24 0**
CK 40 50 FT	454		5	112.000	**6008 25 9**
CK 40 60 FT	554		5	128.600	**6008 26 7**
CK 40 70 FT	654		5	145.200	**6008 27 5**
CK 40 80 FT	754		5	162.000	**6008 28 3**
CK 40 90 FT	854		5	178.400	**6008 29 1**
CK 40 100 FT	954		5	194.900	**6008 30 5**
CK 40 110 FT	1,054		5	211.500	**6008 31 3**
CK 40 120 FT	1,154		5	228.000	**6008 32 1**

St Steel FT Hot-dip galvanised /pc.

CK40 rung for use in heavy-duty vertical ladders and in IS 8 supports.
Maximum rung load 175 kg.



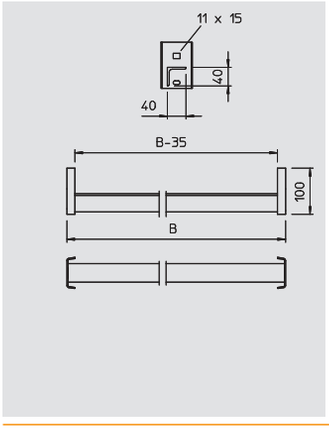
Rung CKD 40



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
CKD 40 60 FT	554		5	211.000	**6008 26 9**
CKD 40 70 FT	654		5	243.000	**6008 27 7**
CKD 40 80 FT	754		5	275.000	**6008 28 5**
CKD 40 90 FT	854		5	307.000	**6008 29 3**

St Steel FT Hot-dip galvanised /pc.

CKD40 rung for use in heavy-duty vertical ladders and in IS 8 supports.
Maximum rung load 175 kg.



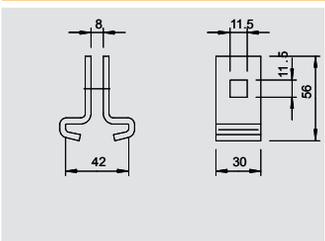
Rung WSK 40



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WSK 40 40 FT	354		5	122.000	**6008 04 6**
WSK 40 50 FT	454		5	147.000	**6008 05 4**
WSK 40 60 FT	554		5	172.000	**6008 06 2**
WSK 40 70 FT	654		5	197.000	**6008 07 0**
WSK 40 80 FT	754		5	222.000	**6008 08 9**
WSK 40 90 FT	854		5	245.000	**6008 09 7**
WSK 40 100 FT	954		5	272.000	**6008 10 0**
WSK 40 110 FT	1,054		5	296.000	**6008 11 9**
WSK 40 120 FT	1,154		5	321.000	**6008 12 7**

St Steel FT Hot-dip galvanised /pc.

Angle profile rungs for use in heavy-duty vertical ladders and in IS 8 supports.
Maximum rung load 250 kg.



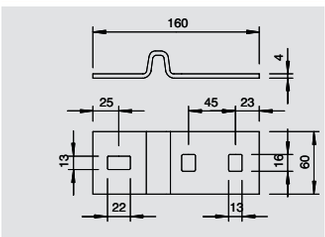
Support claw



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TGK 30 42 FT		10	17.000	**6018 96 3**

St Steel FT Hot-dip galvanised /pc.

Support claw with truss-head bolt, type FRS M10 x 25 for mounting on the IS 8 support.
The support claw can also be used in conjunction with the heavy-duty ladder, type SLS 80.



Support strap



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
AHIS 8 FT		10	89.000	**6019 06 4**

St Steel FT Hot-dip galvanised /pc.

Support strap for right-angled connection of I supports.
Including appropriate fastening material.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Vertical cable ladder accessories 60, US, IS 8

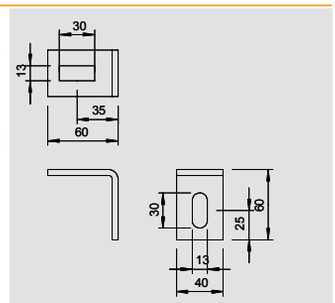


Mounting angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 60 40 FT		10	22.000	**6019 56 0**

St Steel FT Hot-dip galvanised /pc.

Mounting angle of limb dimension 60 x 60 mm.
Including truss-head bolt M12 x 25.



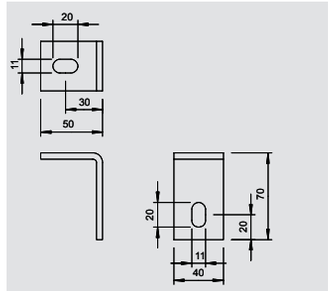


Mounting angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 70 40 FT		10	22.000	**6019 70 6**

St Steel FT Hot-dip galvanised /pc.

Mounting angle of limb dimension 70 x 50 mm.
Including truss-head bolt M10 x 25.



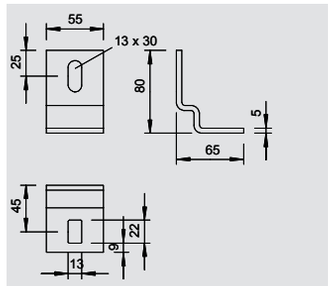


Mounting angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 80 55 FT		10	26.400	**6019 52 8**

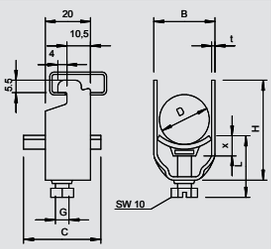
St Steel FT Hot-dip galvanised /pc.

Mounting angle for mounting IS 8 supports on the wall.
The mounting angle can also be used in conjunction with the heavy-duty vertical ladder, type SLS 80.
Including fastening bolt M12x30.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056N 12 FT	8-12	34	34	1.5		100	2.500	**1163 12 4**
2056N 16 FT	12-16	38	34	1.5		100	2.750	**1163 16 7**
2056N 22 FT	16-22	44	34	1.5		100	3.100	**1163 22 1**
2056N 28 FT	22-28	51	34	2		100	4.600	**1163 28 0**
2056N 34 FT	28-34	59	37.5	2		100	5.900	**1163 34 5**
2056N 40 FT	34-40	66	37.5	2		100	6.300	**1163 39 6**
2056N 46 FT	40-46	72	37.5	2		100	7.650	**1163 46 9**
2056N 52 FT	46-52	79	37.5	2		100	8.750	**1163 52 3**
2056N 58 FT	52-58	86	45.5	2.5		100	11.000	**1163 58 2**
2056N 64 FT	58-64	92	45.5	2.5		100	12.100	**1163 64 7**
2056N 70 FT	64-70	99	45.5	2.5		50	13.550	**1163 70 1**

St Steel FT Hot-dip galvanised /100 pc.

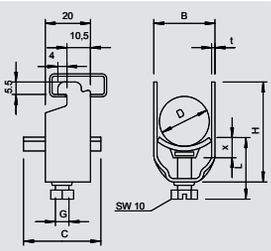


Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width.
Clamp and bolt made of hot-dip galvanised steel.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	20	16	34	M6	1.5	5	34	34
12 - 16	20	20	34	M6	1.5	5	38	34
16 - 22	20	27	34	M6	1.5	5	44	34
22 - 28	20	33	34	M6	2	5	51	34
28 - 34	20	39	34	M8	2	5.5	59	37.5
34–40	20	45	34	M8	2	5.5	66	37.5
40–46	20	51	40	M8	2	5.5	72	37.5
46–52	20	57	40	M8	2	6.5	79	37.5
52–58	23	64	40	M8	2.5	6.5	86	45.5
58–64	23	70	40	M8	2.5	6.5	92	45.5
64–70	23	76	40	M8	2.5	6.5	99	45.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056N 2 12 FT	8-12	49	47	1.5		50	3.500	**1164 12 0**
2056N 2 16 FT	12-16	57	47	1.5		50	3.850	**1164 16 3**
2056N 2 22 FT	16-22	70	47	1.5		50	4.650	**1164 22 8**
2056N 2 28 FT	22-28	84	47	2		50	7.500	**1164 28 7**
2056N 2 34 FT	28-34	97	56.5	2		50	10.050	**1164 34 1**
2056N 2 40 FT	34-40	110	56.5	2		50	10.050	**1164 40 6**
2056N 2 46 FT	40-46	124	56.5	2		50	11.050	**1164 46 5**
2056N 2 52 FT	46-52	137	57.5	2		50	12.400	**1164 51 1**
2056N 2 58 FT	52-58	150	57.5	2.5		50	15.600	**1164 58 9**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width.
Clamp and bolt made of hot-dip galvanised steel.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	20	16	34	M6	1.5	5	49	47
12 - 16	20	20	34	M6	1.5	5	57	47
16 - 22	20	27	34	M6	1.5	5	70	59
22 - 28	20	33	34	M6	2	5	84	47
28 - 34	20	39	34	M8	2	5.5	97	56.5
34–40	20	45	34	M8	2	5.5	110	56.5
40–46	20	51	40	M8	2	5.5	124	56.5
46–52	20	57	40	M8	2	6.5	137	57.5
52–58	23	64	40	M8	2.5	6.5	150	57.5

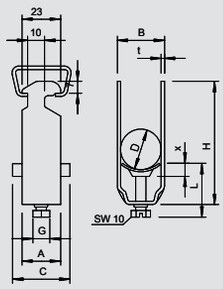
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 FT	8-12	40	34	1.5		100	3.540	**1160 12 5**
2056 16 FT	12-16	44	34	1.5		100	3.820	**1160 16 8**
2056 22 FT	16-22	50	34	1.5		100	4.508	**1160 22 2**
2056 28 FT	22-28	58	34	2		100	6.240	**1160 28 1**
2056 34 FT	28-34	58	34	2		100	7.680	**1160 34 6**
2056 40 FT	34-40	72	37.5	2		100	8.260	**1160 40 0**
2056 46 FT	40-46	79	44.5	2		100	10.900	**1160 45 1**
2056 52 FT	46-52	79	44.5	2		100	11.900	**1160 52 4**
2056 58 FT	52-58	93	45.5	2.5		100	14.300	**1160 58 3**
2056 64 FT	58-64	99	45.5	2.5		100	15.600	**1160 64 8**
2056 70 FT	64-70	106	45.5	2.5		50	18.200	**1160 70 2**
2056 76 FT	70-76	114	45.5	2.5		25	20.600	**1160 76 1**
2056 82 FT	76-82	121	45.5	2.5		25	22.000	**1160 82 6**
2056 90 FT	82-90	130	57.5	3		25	26.200	**1160 90 7**
2056 100 FT	90-100	140	57.5	3		25	27.800	**1160 99 0**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clamp and bolt, polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

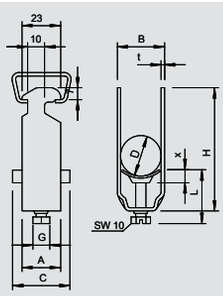
EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.2	5	40	34
12–16	23	20	34	M6	1.5	5	44	34
16–22	23	27	34	M6	1.5	5	50	34
22–28	23	33	34	M6	2	5	58	34
28–34	23	33	34	M8	2	5	58	34
34–40	23	45	34	M8	2	5.5	72	37.5
40–46	23	51	40	M8	2	5.5	79	44.5
46–52	23	57	40	M8	2	5.5	79	44.5
52–58	23	64	40	M8	2.5	6.5	93	45.5
58–64	23	70	40	M8	2.5	6.5	99	45.5
64–70	25	76	40	M8	2.5	6.5	106	45.5
70–76	25	82	40	M8	2.5	6.5	114	45.5
76–82	25	88	40	M8	2.5	6.5	121	45.5
82–90	25	97	40	M8	3	6.5	130	57.5
90–100	25	107	40	M8	3	6.5	140	57.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 2 12 FT	8-12	52	34	1.5		50	4.100	**1161 12 1**
2056 2 16 FT	12-16	61	34	1.5		50	4.650	**1161 16 4**
2056 2 22 FT	16-22	73	47	1.5		50	5.150	**1161 22 9**
2056 2 28 FT	22-28	87	47	2		50	7.700	**1161 28 8**
2056 2 34 FT	28-34	101	44.5	2		50	10.200	**1161 34 2**
2056 2 40 FT	34-40	114	44.5	2		50	11.450	**1161 40 7**
2056 2 46 FT	40-46	129	44.5	2		50	14.950	**1161 46 6**
2056 2 52 FT	46-52	129	45.5	2		50	16.700	**1161 52 0**
2056 2 58 FT	52-58	154	45.5	2.5		50	21.400	**1161 57 1**
2056 2 64 FT	58-64	167	45.5	2.5		50	24.250	**1161 64 4**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clamp and bolt, polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

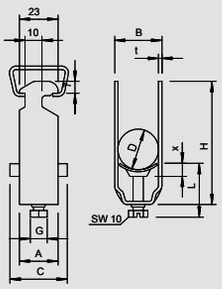
Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	52	34
12 - 16	23	20	34	M6	1.5	5	61	34
16 - 22	23	27	34	M6	1.5	5	73	47
22 - 28	23	33	34	M6	2	5	87	47
28 - 34	23	39	34	M8	2	5.5	101	44.5
34–40	23	45	34	M8	2	5.5	114	44.5
40–46	23	51	34	M8	2	5.5	129	44.5
46–52	23	57	34	M8	2	6.5	142	45.5
52–58	23	64	34	M8	2.5	6.5	154	45.5
58–64	23	70	40	M8	2.5	6.5	167	45.5

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 3 12 FT	8-12	70	47	1.5		50	4.900	**1162 12 8**
2056 3 16 FT	12-16	82	47	1.5		50	6.200	**1162 16 0**
2056 3 22 FT	16-22	101	47	1.5		50	7.100	**1162 22 5**
2056 3 28 FT	22-28	121	47	2		50	10.650	**1162 28 4**
2056 3 34 FT	28-34	142	56.5	2		50	13.100	**1162 34 9**
2056 3 40 FT	34-40	162	56.5	2		50	14.350	**1162 40 3**
2056 3 46 FT	40-46	184	56.5	2		50	19.800	**1162 46 2**

St Steel FT Hot-dip galvanised /100 pc.

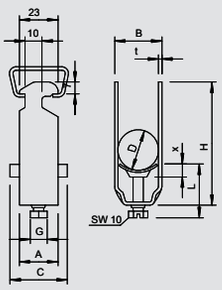


Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clamp and bolt, polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.2	5	70	47
12 - 16	23	20	34	M6	1.5	5	82	47
16 - 22	23	27	34	M6	1.5	5	101	47
22 - 28	23	33	34	M6	2	5	121	47
28 - 34	23	39	34	M8	2	5.5	142	56.5
34–40	23	45	34	M8	2	5.5	162	56.5
40–46	23	51	40	M8	2	5.5	184	56.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 ALU	8-12	40	34	1.5		100	0.750	**1183 20 6**
2056 16 ALU	12-16	44	34	1.5		100	0.900	**1183 21 4**
2056 22 ALU	16-22	50	34	1.5		100	1.050	**1183 22 2**
2056 28 ALU	22-28	58	34	2		100	1.500	**1183 23 0**
2056 34 ALU	28-34	66	37.5	2		100	2.300	**1183 24 9**
2056 40 ALU	34-40	72	37.5	2		100	2.700	**1183 25 7**
2056 46 ALU	40-46	79	44.5	2		100	3.600	**1183 26 5**
2056 52 ALU	46-52	86	45.5	2		100	3.900	**1183 27 3**
2056 58 ALU	52-58	93	45.5	2.5		100	4.200	**1183 28 1**
2056 64 ALU	58-64	99	45.5	2.5		100	4.500	**1183 30 3**
2056 70 ALU	64-70	106	45.5	2.5		50	5.400	**1183 31 1**
2056 76 ALU	70-76	114	45.5	2.5		25	5.850	**1183 33 8**

Al Aluminium /100 pc.



Suitable for all C profile rails with 16–17 mm slot width; aluminium ALMg 3 clamp and bolt, polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

(Metal pressure sleeves on request.)

The U clamp 2056/ALU, in the version for one cable according to VDE 0298-1, are suitable for individual routing of single-wire cables in rotary current networks, as there is no closed circuit. However, the lower mechanical resistance of the aluminium U clamps must be taken into account for short circuits, i.e. keep the distance between the clamps as short as possible in a longitudinal direction and ensure sufficient side spacing between the cables.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	40	34
12 - 16	23	20	34	M6	1.5	5	44	34
16 - 22	23	27	34	M6	1.5	5	50	34
22 - 28	23	33	34	M6	2	5	58	34
28 - 34	23	39	34	M8	2	5.5	66	37.5
34–40	23	45	34	M8	2	5.5	72	37.5
40–46	23	51	40	M8	2	5.5	79	44.5
46–52	23	57	40	M8	2	6.5	86	45.5
52–58	23	64	40	M8	2.5	6.5	93	45.5
58–64	23	70	40	M8	2.5	6.5	99	45.5
64–70	25	76	40	M8	2.5	6.5	106	45.5
70–76	23	82	40	M8	2.5	6.5	114	45.5

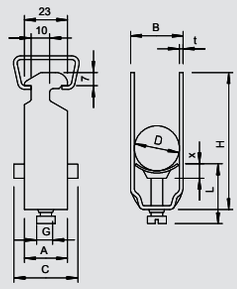
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 2 12 ALU	8-12	52	34	1.5		50	1.000	**1183 38 9**
2056 2 16 ALU	12-16	61	34	1.5		50	1.250	**1183 39 7**
2056 2 22 ALU	16-22	73	47	1.5		50	1.500	**1183 40 0**
2056 2 28 ALU	22-28	87	47	2		50	2.000	**1183 41 9**
2056 2 34 ALU	28-34	101	44.5	2		50	3.200	**1183 42 7**
2056 2 40 ALU	34-40	114	44.5	2		50	3.750	**1183 43 5**
2056 2 46 ALU	40-46	129	44.5	2		50	4.850	**1183 44 3**
2056 2 52 ALU	46-52	142	45.5	2		50	5.300	**1183 45 1**
2056 2 58 ALU	52-58	154	45.5	2.5		50	6.000	**1183 47 8**

Al Aluminium /100 pc.



Suitable for all C profile rails with 16–17 mm slot width; aluminium ALMg 3 clamp and bolt, polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

(Metal pressure sleeves on request.)

The U clamp 2056/ALU, in the version for one cable according to VDE 0298-1, are suitable for individual routing of single-wire cables in rotary current networks, as there is no closed circuit. However, the lower mechanical resistance of the aluminium clamps must be taken into account for short circuits, i.e. keep the distance between the clamps as short as possible in a longitudinal direction and ensure sufficient side spacing between the cables.

Important dimensions, clamp clip

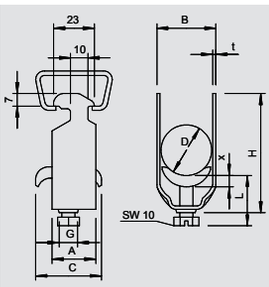
EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	52	34
12 - 16	23	20	34	M6	1.5	5	61	34
16 - 22	23	27	34	M6	1.5	5	73	47
22 - 28	23	33	34	M6	2	5	87	47
28 - 34	23	39	34	M8	2	5.5	101	44.5
34–40	23	45	34	M8	2	5.5	114	44.5
40–46	23	51	40	M8	2	5.5	129	44.5
46–52	23	57	40	M8	2	6.5	142	45.5
52–58	23	64	40	M8	2.5	6.5	93	45.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M 12 FT	8-12	40	32.5	1.5		100	3.200	**1156 00 4**
2056 M 16 FT	12-16	44	32.5	1.5		100	3.500	**1156 01 2**
2056 M 22 FT	16-22	50	46.5	1.5		100	4.400	**1156 02 0**
2056 M 28 FT	22-28	58	46.5	2		100	6.100	**1156 03 9**
2056 M 34 FT	28-34	66	44	2		100	7.700	**1156 04 7**
2056 M 40 FT	34-40	72	44	2		100	8.600	**1156 05 5**
2056 M 46 FT	40-46	79	44	2		100	9.600	**1156 06 3**
2056 M 52 FT	46-52	86	44	2		100	10.400	**1156 07 1**
2056 M 58 FT	52-58	93	44	2.5		100	13.100	**1156 09 8**
2056 M 64 FT	58-64	99	56	2.5		100	14.500	**1156 10 1**
2056 M 70 FT	64-70	106	56	2.5		50	16.100	**1156 12 8**
2056 M 76 FT	70-76	114	56	2.5		25	18.300	**1156 13 6**
2056 M 82 FT	76-82	121	56	2.5		25	19.100	**1156 14 4**
2056 M 90 FT	82-90	130	56	3		25	23.300	**1156 15 2**
2056 M 100 FT	90-100	140	56	3		25	25.400	**1156 16 0**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 16–17 mm.
Clamp, bolt and pressure sleeve made of hot-dip galvanised steel.

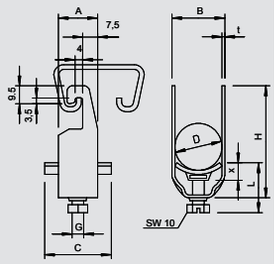
Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	30	M6	1.5	3.5	40	32.5
12 - 16	23	20	30	M6	1.5	3.5	44	32.5
16 - 22	23	27	30	M6	1.5	4.5	50	46.5
22 - 28	23	33	30	M6	2	4.5	58	46.5
28 - 34	23	39	35	M8	2	5	66	44
34–40	23	45	35	M8	2	5	72	44
40–46	23	51	35	M8	2	5	79	44
46–52	23	57	35	M8	2	5	86	44
52–58	23	64	35	M8	2.5	5	93	44
58–64	23	70	35	M8	2.5	5	99	56
64–70	25	76	35	M8	2.5	5	106	56
70–76	25	82	40	M8	2.5	5	114	56
76–82	25	88	40	M8	2.5	5	121	56
82–90	25	97	40	M8	3	5	130	56
90–100	25	107	40	M8	3	5	140	56

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 12 FT	8-12	42	34	1.5		100	3.150	**1175 12 2**
2056U 16 FT	12-16	46	34	1.5		100	3.600	**1175 16 5**
2056U 22 FT	16-22	53	34	1.5		100	4.200	**1175 21 1**
2056U 28 FT	22-28	59	34	2		100	5.800	**1175 28 9**
2056U 34 FT	28-34	67	37.5	2		100	7.500	**1175 34 3**
2056U 40 FT	34-40	73	37.5	2		100	8.100	**1175 40 8**
2056U 46 FT	40-46	79	37.5	2		100	10.000	**1175 46 7**
2056U 52 FT	46-52	85	38.5	2		100	11.200	**1175 52 1**
2056U 58 FT	52-58	91	38.5	2.5		100	13.400	**1175 58 0**
2056U 64 FT	58-64	97	38.5	2.5		100	14.300	**1175 64 5**
2056U 70 FT	64-70	103	38.5	2.5		50	15.250	**1175 69 6**
2056U 76 FT	70-76	110	45.5	2.5		25	20.600	**1175 76 9**
2056U 82 FT	76-82	116	45.5	2.5		25	22.000	**1175 82 3**
2056U 90 FT	82-90	125	45.5	3		25	26.200	**1175 90 4**
2056U 100 FT	90-100	135	45.5	3		25	30.000	**1175 99 8**

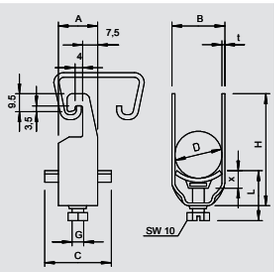
St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 18 and 22 mm. Also suitable for flat, angle and U steel of 4 - 12 mm material thickness.
BBS clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	20	16	34	M6	1.5	5	42	34
12–16	20	20	34	M6	1.5	5	46	34
16–22	20	27	34	M6	1.5	5	53	34
22–28	20	33	34	M6	2	5	59	34
28–34	20	39	34	M8	2	5.5	67	37.5
34–40	20	45	34	M8	2	5.5	73	37.5
40–46	20	51	40	M8	2	5.5	79	37.5
46–52	20	57	40	M8	2	6.5	85	38.5
52–58	23	64	40	M8	2.5	6.5	91	38.5
58–64	23	70	40	M8	2.5	6.5	97	38.5
64–70	23	76	40	M8	2.5	6.5	103	38.5
70–76	25	82	40	M8	2.5	6.5	110	45.5
76–82	25	88	40	M8	2.5	6.5	116	45.5
82–90	25	97	40	M8	3	6.5	125	45.5
90–100	25	107	40	M8	3	6.5	135	45.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 2 12 FT	8-12	56	34	1.5		50	2.850	**1176 12 9**
2056U 2 16 FT	12-16	64	34	1.5		50	3.050	**1176 16 1**
2056U 2 22 FT	16-22	77	47	1.5		50	4.950	**1176 22 6**
2056U 2 28 FT	22-28	89	47	2		50	6.940	**1176 28 5**
2056U 2 34 FT	28-34	103	44.5	2		50	9.500	**1176 33 1**
2056U 2 40 FT	34-40	115	44.5	2		50	11.350	**1176 40 4**
2056U 2 46 FT	40-46	128	44.5	2		50	11.350	**1176 46 3**
2056U 2 52 FT	46-52	140	45.5	2		50	15.050	**1176 52 8**
2056U 2 58 FT	52-58	152	45.5	2.5		50	19.800	**1176 58 7**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 18 and 22 mm. Also suitable for flat, angle and U steel of 4 - 12 mm material thickness.
BBS clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	20	16	34	M6	1.5	5	56	34
12 - 16	20	20	34	M6	1.5	5	64	34
16 - 22	20	27	34	M6	1.5	5	77	47
22 - 28	20	33	34	M6	2	5	89	47
28 - 34	20	39	34	M8	2	5.5	103	44.5
34–40	20	45	34	M8	2	5.5	115	44.5
40–46	20	51	40	M8	2	5.5	128	44.5
46–52	20	57	40	M8	2	6.5	140	45.5
52–58	20	64	40	M8	2.5	6.5	152	45.5

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

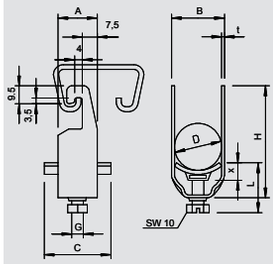
U clamp

U clamp (BBS clamp)



Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 3 12 FT	8-12	70	47	1.5		50	4.750	**1177 12 5**
2056U 3 16 FT	12-16	82	47	1.5		50	4.850	**1177 16 8**
2056U 3 22 FT	16-22	101	47	1.5		50	6.600	**1177 22 2**
2056U 3 28 FT	22-28	119	47	2		50	10.500	**1177 28 1**
2056U 3 34 FT	28-34	139	44.5	2		50	13.250	**1177 34 6**
2056U 3 40 FT	34-40	157	44.5	2		50	14.400	**1177 40 0**
2056U 3 46 FT	40-46	177	56.5	2		50	18.950	**1177 45 1**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for all C profile rails with slot width 18 and 22 mm. Also suitable for flat, angle and U steel of 4 - 12 mm material thickness. BBS clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

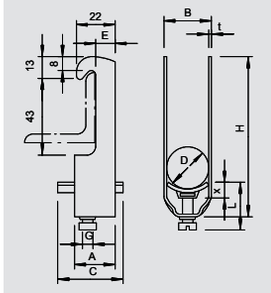
EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	20	16	34	M6	1.5	5	70	47
12 - 16	20	20	34	M6	1.5	5	82	47
16 - 22	20	27	34	M6	1.5	5	101	47
22 - 28	20	33	34	M6	2	5	119	47
28 - 34	20	39	34	M6	2	5.5	139	44.5
34–40	20	45	34	M8	2	5.5	157	44.5
40–46	20	51	40	M8	2	5.5	177	56.5

U clamp (BBS clamp)



Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056W 12 FT	8-12	74	27	1.5		100	4.450	**1180 12 6**
2056W 16 FT	12-16	78	27	1.5		100	4.890	**1180 16 9**
2056W 22 FT	16-22	85	27	1.5		100	5.700	**1180 22 3**
2056W 28 FT	22-28	91	27	2		100	7.800	**1180 28 2**
2056W 34 FT	28-34	99	31.5	2		100	9.400	**1180 34 7**
2056W 40 FT	34-40	105	31.5	2		100	10.000	**1180 40 1**
2056W 46 FT	40-46	111	31.5	2		100	12.800	**1180 46 0**
2056W 58 FT	52-58	123	32.5	2.5		50	17.100	**1180 58 4**
2056W 64 FT	58-64	130	32.5	2.5		50	18.600	**1180 64 9**
2056W 52 FT	46-52	117	32.5	2		100	13.600	**1180 52 5**
2056W 70 FT	64-70	136	32.5	2.5		50	18.500	**1180 68 1**
2056W 76 FT	70-76	143	38.5	2.5		25	20.600	**1180 76 2**
2056W 82 FT	76-82	149	38.5	2.5		25	22.000	**1180 82 7**
2056W 90 FT	82-90	158	38.5	3		25	26.200	**1180 90 8**

St Steel FT Hot-dip galvanised /100 pc.



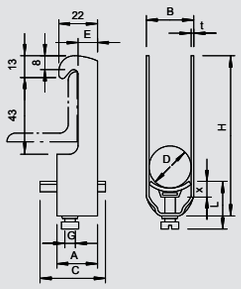
Suitable for angular steel of 40 mm limb length.
Clamp and bolt made of hot-dip galvanised steel.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	74	27
12 - 16	23	20	34	M6	1.5	5	78	27
16 - 22	23	27	34	M6	1.5	5	85	27
22 - 28	23	33	34	M6	2	5	91	27
28 - 34	23	39	34	M8	2	5.5	99	31.5
34–40	23	45	34	M8	2	5.5	105	31.5
40–46	25	51	40	M8	2	5.5	111	31.5
52–58	25	64	40	M8	2.5	6.5	123	32.5
58–64	25	70	40	M8	2.5	6.5	130	32.5
46–52	25	57	40	M8	2	6.5	117	32.5
64–70	25	76	40	M8	2.5	6.5	136	32.5
70–76	25	82	40	M8	2.5	6.5	143	38.5
76–82	25	88	40	M8	2.5	6.5	149	38.5
82–90	25	97	40	M8	3	6.5	158	38.5

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056W 2 12 FT	8-12	88	34	1.5		50	5.150	**1181 12 2**
2056W 2 16 FT	12-16	96	34	1.5		50	5.700	**1181 16 5**
2056W 2 22 FT	16-22	109	34	1.5		50	7.050	**1181 21 1**
2056W 2 28 FT	22-28	121	34	2		50	10.350	**1181 28 9**
2056W 2 34 FT	28-34	135	37.5	2		50	11.600	**1181 34 3**
2056W 2 40 FT	34-40	147	37.5	2		50	12.700	**1181 40 8**
2056W 2 46 FT	40-46	160	37.5	2		50	16.750	**1181 46 7**
2056W 2 52 FT	46-52	172	38.5	2		50	18.200	**1181 52 1**
2056W 2 58 FT	52-58	185	38.5	2.5		50	23.000	**1181 58 0**

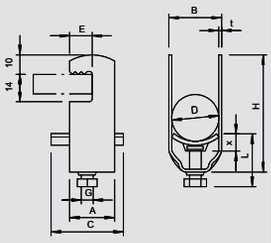
St Steel FT Hot-dip galvanised /100 pc.



Suitable for angular steel of 40 mm limb length.
Clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	88	34
12 - 16	23	20	34	M6	1.5	5	96	34
16 - 22	23	27	34	M6	1.5	5	109	34
22 - 28	23	33	34	M6	2	5	121	34
28 - 34	23	39	34	M8	2	5.5	135	37.5
34–40	23	45	34	M8	2	5.5	147	37.5
40–46	25	51	40	M8	2	5.5	160	37.5
46–52	25	57	40	M8	2	6.5	172	38.5
52–58	25	64	40	M8	2.5	6.5	185	38.5



U clamp (BBS clamp)

Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056F 12 FT	8-12	43	34	1.5		100	3.700	**1169 12 2**
2056F 16 FT	12-16	47	34	1.5		100	3.900	**1169 16 5**
2056F 22 FT	16-22	54	34	1.5		100	4.500	**1169 21 1**
2056F 28 FT	22-28	60	34	2		100	6.000	**1169 28 9**
2056F 34 FT	28-34	68	37.5	2		100	8.000	**1169 34 3**
2056F 40 FT	34-40	74	37.5	2		100	8.500	**1169 40 8**
2056F 46 FT	40-46	80	37.5	2		100	10.600	**1169 46 7**
2056F 52 FT	46-52	86	38.5	2		100	11.700	**1169 52 1**
2056F 58 FT	52-58	92	38.5	2.5		100	13.050	**1169 58 0**
2056F 64 FT	58-64	98	38.5	2.5		100	14.800	**1169 64 5**
2056F 70 FT	64-70	104	38.5	2.5		50	17.700	**1169 69 6**
2056F 76 FT	70-76	111	45.5	2.5		25	20.600	**1169 76 9**
2056F 82 FT	76-82	117	45.5	2.5		25	22.000	**1169 82 3**
2056F 90 FT	82-90	126	45.5	3		25	26.200	**1169 90 4**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for flat, bracket and U irons of 4–12 mm material thickness.
Clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.
Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

EN mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	43	34
12 - 16	23	20	34	M6	1.5	5	47	34
16 - 22	23	27	34	M6	1.5	5	54	34
22 - 28	23	33	34	M6	2	5	60	34
28 - 34	23	39	34	M8	2	5.5	68	37.5
34–40	23	45	34	M8	2	5.5	74	37.5
40–46	25	51	40	M8	2	5.5	80	37.5
46–52	25	57	40	M8	2	6.5	86	38.5
52–58	25	64	40	M8	2.5	6.5	92	38.5
58–64	25	70	40	M8	2.5	6.5	98	38.5
64–70	25	76	40	M8	2.5	6.5	104	38.5
70–76	25	82	40	M8	2.5	6.5	111	45.5
76–82	25	88	40	M8	2.5	6.5	117	45.5
82–90	25	97	40	M8	3	6.5	126	45.5

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

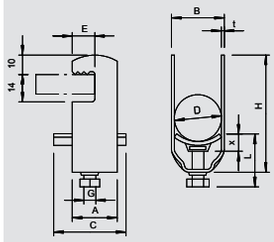
U clamp

U clamp (BBS clamp)



Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056F 2 12 FT	8-12	57	25	1.5		50	4.250	**1170 12 0**
2056F 2 16 FT	12-16	65	25	1.5		50	4.550	**1170 16 3**
2056F 2 22 FT	16-22	78	38	1.5		50	5.200	**1170 22 8**
2056F 2 28 FT	22-28	90	38	2		50	7.900	**1170 28 7**
2056F 2 34 FT	28-34	104	33	2		50	9.900	**1170 34 1**
2056F 2 40 FT	34-40	116	33	2		50	11.200	**1170 40 6**
2056F 2 46 FT	40-46	128	33	2		50	12.000	**1170 46 5**
2056F 2 52 FT	46-52	140	33	2		50	16.600	**1170 51 1**

St Steel FT Hot-dip galvanised /100 pc.



Suitable for flat, bracket and U irons of 4–12 mm material thickness.
Clamp and bolt made of hot-dip galvanised steel. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Version with welding and/or locknuts for use under difficult circumstances and for vibration on request.

Important dimensions, clamp clip

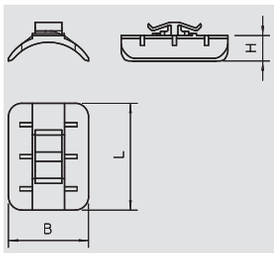
EN	A	B	C	G	t	x	H	L
mm	mm	mm	mm		mm	mm	mm	mm
8–12	23	16	34	M6	1.5	5	57	34
12 - 16	23	20	34	M6	1.5	5	65	34
16 - 22	23	27	34	M6	1.5	5	54	34
22 - 28	23	33	34	M6	2	5	90	47
28 - 34	23	39	34	M8	2	5.5	68	37.5
34–40	23	45	34	M8	2	5.5	74	37.5
40–46	25	51	40	M8	2	5.5	37.5	128
46–52	25	57	40	M8	2	6.5	86	38.5

Counter sleeve



Type	Clamping range D mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
2058 12 LGR	8-12	2,400		100	0.177	**1195 12 3**
2058 16 LGR	12-16	1,200		100	0.189	**1195 16 6**
2058 22 LGR	16-22	1,000		100	0.187	**1195 22 0**
2058 28 LGR	22-28	1,000		100	0.244	**1195 27 1**
2058 34 LGR	28-34	1,200		100	0.303	**1195 34 4**
2058 40 LGR	34-40	1,200		100	0.325	**1195 40 9**
2058 46 LGR	40-46	1,200		100	0.409	**1195 46 8**
2058 52 LGR	46-52	1,200		100	0.442	**1195 52 2**
2058 58 LGR	52-58	1,200		100	0.486	**1195 58 1**
2058 64 LGR	58-64	500		50	0.540	**1195 64 6**
2058 70 LGR	64-70	500		50	0.550	**1195 70 0**

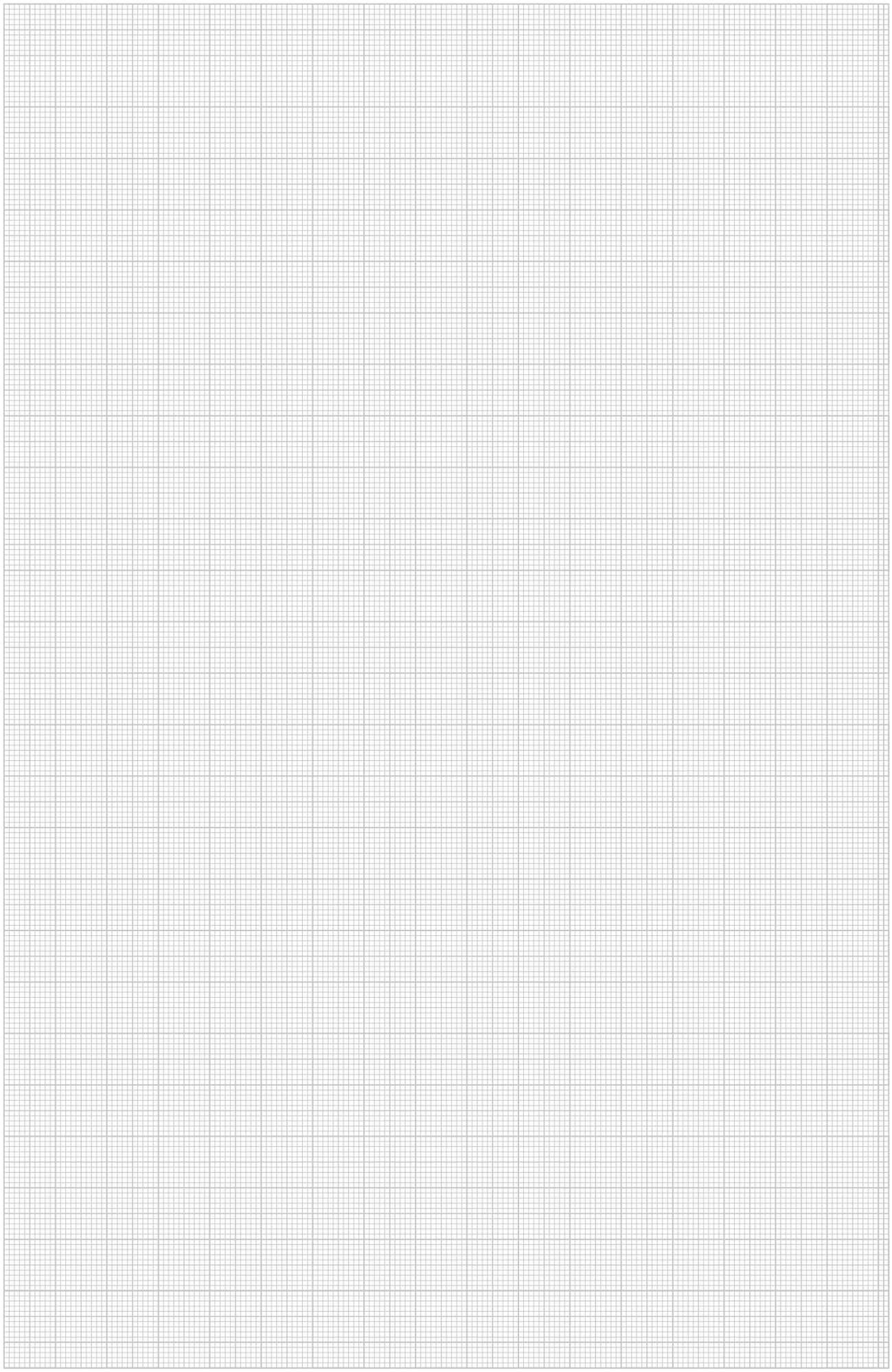
PP Polypropylene /100 pc.



Area of use of rails with slot width 16–17 mm. Counter sleeve is clamped into the slot width as protection between the cable and rail.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Luminaire support systems

	Luminaire support systems LED	LED module Connection cables and plugs LED adapter	368 368 369
	Luminaire support channel	Luminaire support channel Connector Suspension bracket	373 373 374
	Accessories	Connection cables Ceiling brackets Threaded rod Suspension chain Steel wire tensioning rope Perforated steel strap	376
	Luminaire support tray	Luminaire support tray Connector Cover with turn-buckle	379 379 379

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

LED module, connection cables and plugs



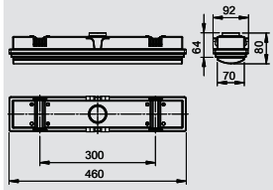
LED module

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LED M 8NS	460 x 85 x 100		1	98.000	**6069 81 5**

PP Polypropylene /pc.

LED module for installation in adapters for AZ small ducts, RKSM cable tray system, SKS cable tray system and for individual suspension on cable ladders or directly on the ceiling.

Energy-saving, robust and low-maintenance 17 Watt light module in a housing with protection rating IP65. The electrical connection is created using a 3-pin special connector (L1, L2, N) of type ASL HM 2.7M. The module allows two operating modes. Normal operation at 100% power and reduced power mode at 50% power.
Technical data:
Modules: Plastic housing with 8 LEDs
Connection cable: 17 W (1,250 lm)
Mains connection: 100-240V / 50-60 Hz / AC
Protection class: SK II
Module end plate: Plastic (PMMA)
Module protection rating: IP 65
Surge protection: 6 kV / 2.5 KA
Colour temperature: 4,300 K
Housing width: 85 mm
Housing length: 460 mm
Housing height: 100 mm
Weight: 0.980 kg





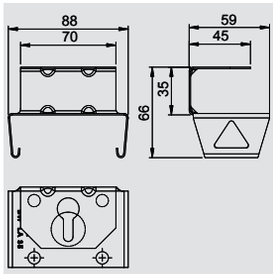
Mounting bracket for individual suspension of LED module

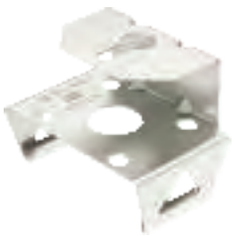
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW LA 35 FS		10	9.300	**6069 89 5**

St Steel FS Strip-galvanised /pc.

Mounting angle for individual lighting suspension of LED modules, type LED M 8NS, to ceilings or cable ladders using bolts and slide nuts.

Two mounting angles are required for each LED module.





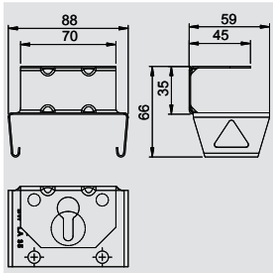
Mounting bracket for individual suspension of LED module

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW LA 35 VA4301		10	9.300	**6069 89 7**

V2A Stainless steel, grade 304 /pc.

Mounting angle for individual lighting suspension of LED modules, type LED M 8NS, to ceilings or cable ladders using bolts and slide nuts.

Two mounting angles are required for each LED module.





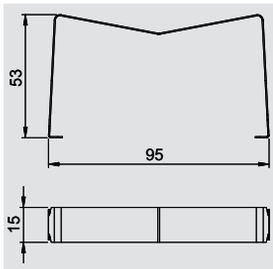
Luminaire support clamp LTK

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LTK VA4301		10	1.120	**6069 78 4**

V2A Stainless steel, grade 301 /pc.

Luminaire support clamp to fasten the LED modules M 8NS in the adapters for AZ channel, cable trays RKSM and SKS.

Two fastening clips are required for each LED module.





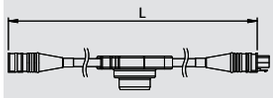
Supply of LED module

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
ASL HM 2,7M	2,700		1	42.000	**6069 83 0**

PA Polyamide /pc.

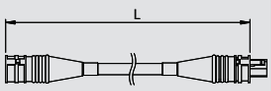
Cable, 3-pin (L1, L2 and N), to supply the LED module, type LED M 8NS, with connector and sockets, for direct power supply of modules and as throughway cabling of downstream modules.

The cable length is approx. 1.4 m on each side. When the ASL HM 2.7M power supply is used without additional extensions, a maximum of 30 LED modules of type LED M 8NS can be connected in series.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Extensions for RST 20i3

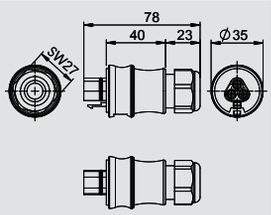
Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KL1M RST20i3 BL	1,000		1	14.000	**6069 84 0**
KL2M RST20i3 BL	2,000		1	24.500	**6069 84 2**
KL3M RST20i3 BL	3,000		1	35.000	**6069 84 4**
KL4M RST20i3 BL	4,000		1	45.500	**6069 84 6**
KL5M RST20i3 BL	5,000		1	56.000	**6069 84 8**
KL6M RST20i3 BL	6,000		1	66.500	**6069 85 0**
KL7M RST20i3 BL	7,000		1	77.000	**6069 85 2**
KL8M RST20i3 BL	8,000		1	87.500	**6069 85 4**



PA Polyamide /pc.

Pre-terminated cable, 3-pin (L1, L2, N), 1.5 mm², 16 A to extend the supply cable ASL HM 2,7M or for direct connection to junction box using the device connection sockets GABA RST20i3 BL or GABI RST20i3 BL.

Equipped with both a socket and a connector and available in various lengths.
Protection rating IP66/68.



Connector for cables RST 20i3, male

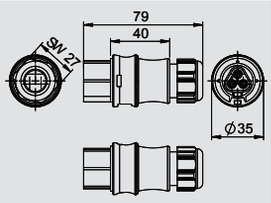
Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SVLS RST20i3 BL	79 x 35		5	3.110	**6069 78 9**



PA Polyamide /pc.

Plug connector of series RST 20i3 for cables of diameter 6–10 mm. With spring power connection for rigid cables of 0.5–2.5 mm² cross-section, fine-wire with wire end sleeve for 0.5–1.5 mm² cross-section and multi-wire with wire end sleeve for 0.75–1.5 mm² cross-section, 250 V, 16 A, IP66/68.

Unmounted with cable gland and socket or connector.



Connector for cables RST 20i3, female

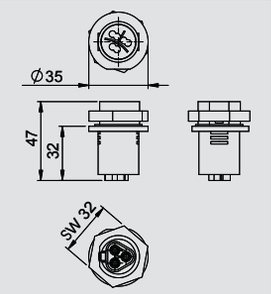
Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SVLB RST20i3 BL	82 x 35		5	3.680	**6069 78 7**



PA Polyamide /pc.

Plug connector of series RST 20i3 for cables of diameter 6–10 mm. Spring power connection for rigid cables of 0.5–2.5 mm² cross-section, fine-wire with wire end sleeve for 0.5–1.5 mm² cross-section and multi-wire with wire end sleeve for 0.75–1.5 mm² cross-section, 250 V, 16 A, IP66/68.

Unmounted with cable gland, socket or connector.



Device connection RST 20i3, external thread

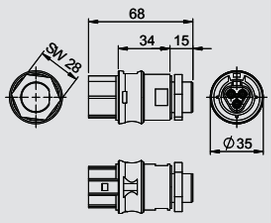
Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GABA RST20i3 BL	47 x 35		5	2.240	**6069 79 3**



PA Polyamide /pc.

Device connection of series RST 20i3, M25 standard with spring power connection for rigid cables of 0.5–2.5 mm² cross-section, fine-wire with wire end sleeve for 0.5–1.5 mm² cross-section and multi-wire with wire end sleeve for 0.75–1.5 mm² cross-section, 250 V, 16 A, IP66/68.

Unmounted with M25 x 1.5 thread. Exterior gland.
Suitable for use in the junction box of type B 100.



Device connection RST 20i3, internal thread

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GABI RST20i3 BL	69 x 35		5	2.680	**6069 79 5**



PA Polyamide /pc.

Device connection of series RST 20i3, M20, modular, straight with spring power connection for rigid cables of 0.5–2.5 mm² cross-section, fine-wire with wire end sleeve for 0.5–1.5 mm² cross-section and multi-wire with wire end sleeve for 0.75–1.5 mm² cross-section, 250 V, 16 A, IP66/68.

Unmounted with M20 x 1.5 thread. Interior gland.
Suitable for use in junction boxes of the series B9/KM, B10M, B11M, B12M, B9/T and T60/M20.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Blanking cover RST 20i3

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
EKBV RST20i3 SW	29 x 23		5	0.370	**6069 79 8**

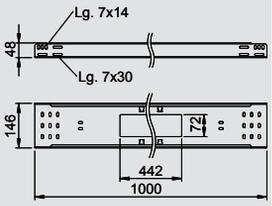
PA Polyamide /pc.

End cap to cover unrequired socket parts of the series RST20i3.

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

AZ channel adapter LED



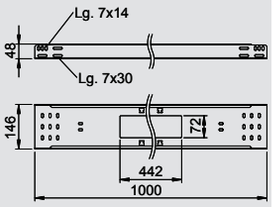
Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZ LA 150 FS	50	150	1.5	1,000		2	248.000	**6069 60 0**
AZ LA 150 FT	50	150	1.5	1,000		2	263.000	**6069 60 7**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Lighting support adapter for AZ small ducts with a side height of 50 mm for attachment of the lighting modules, type LED M 8NNS.

Can be adapted to the widths 50 mm and 100 mm using appropriate reducers.





Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZ LA 150VA4301	50	150	1.5	1,000		2	248.000	**6069 61 4**

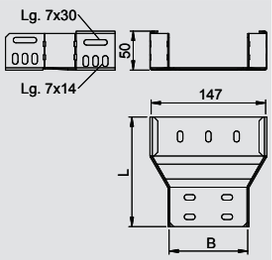
V2A Stainless steel, grade 304 /pc.

Lighting support adapter for AZ small ducts with a side height of 50 mm for attachment of the lighting modules, type LED M 8NNS.

Can be adapted to the widths 50 mm and 100 mm using appropriate reducers.



Reducer for AZ channel 150 to 50 mm

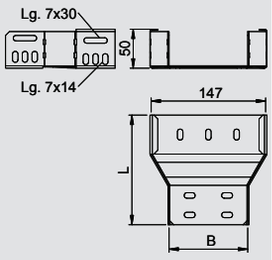


Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAZLA1505 FS	50	50	1.5	158		2	36.500	**6069 86 0**
RAZLA1505 FT	50	50	1.5	158		2	38.700	**6069 86 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Reduction for lighting support adapter AZ LA 150 to AZ small duct of width 50 mm and side height 50 mm.





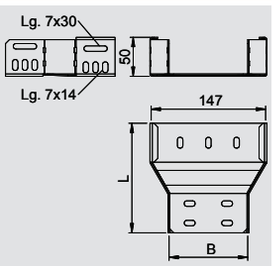
Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAZLA1505 VA4301	50	50	1.5	158		2	36.500	**6069 86 4**

V2A Stainless steel, grade 304 /pc.

Reduction for lighting support adapter AZ LA 150 to AZ small duct of width 50 mm and side height 50 mm.



Reducer for AZ channel 150 to 100 mm

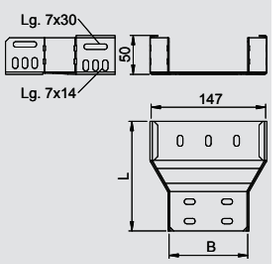


Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAZLA1510 FS	50	100	1.5	140		2	35.200	**6069 88 0**
RAZLA1510 FT	50	100	1.5	140		2	37.300	**6069 88 2**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Reduction for lighting support adapter AZ LA 150 to AZ small duct of width 100 mm and side height 50 mm.





Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAZLA1510 VA4301	50	100	1.5	140		2	35.200	**6069 88 4**

V2A Stainless steel, grade 304 /pc.

Reduction for lighting support adapter AZ LA 150 to AZ small duct of width 100 mm and side height 50 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Magic cable tray adapter LED



Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LAM 620 FS	60	200	0.75	1,100		2	326.000	**6069 64 5**
LAM 630 FS	60	300	0.75	1,100		2	430.000	**6069 65 9**
LAM 640 FS	60	400	0.75	1,100		2	536.000	**6069 67 3**

St Steel FS Strip-galvanised /pc.

Lighting support adapter for RKSM cable trays with a side height of 60 mm for attachment of the lighting modules, type LED M 8NNS.

Available in the widths 200, 300 and 400 mm.
The stock length is 1100 mm, the usable length when combined is 1000 mm.

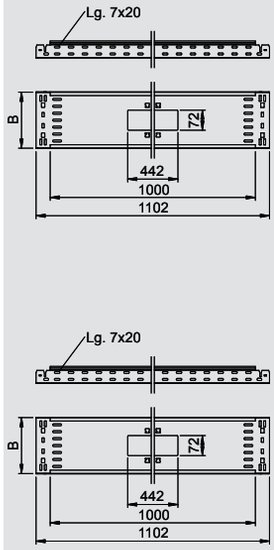


Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LAM 620 VA4301	60	200	0.75	1,100		2	326.000	**6069 65 2**
LAM 630 VA4301	60	300	0.75	1,100		2	430.000	**6069 66 6**
LAM 640 VA4301	60	400	0.75	1,100		2	536.000	**6069 68 0**

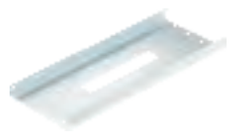
V2A Stainless steel, grade 304 /pc.

Lighting support adapter for RKSM cable trays with a side height of 60 mm for attachment of the lighting modules, type LED M 8NNS.

Available in the widths 200, 300 and 400 mm.
The stock length is 1100 mm, the usable length when combined is 1000 mm.



SKS cable tray adapter LED

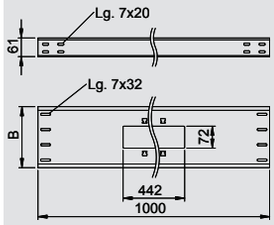


Type	Side height mm	Width mm	Plate thickness mm	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS LA620 FS	60	200	1.5	1,000		2	363.000	**6069 71 1**
SKS LA630 FS	60	300	1.5	1,000		2	480.000	**6069 72 5**
SKS LA640 FS	60	400	1.5	1,000		2	598.000	**6069 73 9**
SKS LA620 FT	60	200	1.5	1,000		2	385.000	**6069 71 8**
SKS LA630 FT	60	300	1.5	1,000		2	509.000	**6069 73 2**
SKS LA640 FT	60	400	1.5	1,000		2	634.000	**6069 74 6**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

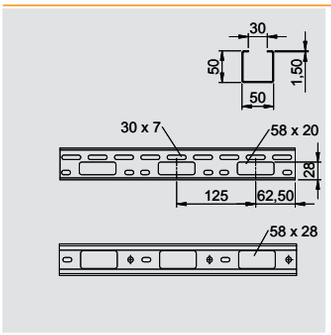
OBO luminaire support systems simplify the installation of lighting systems in many areas of industrial and other buildings, but can also be used to provide a flexible power and data support to machine and workstations. No matter whether in industry, functional buildings or in buildings where importance is placed on optical appearance. With the OBO luminaire support system, cable routing and an optimum positioning of luminaires is child's play in any application.

Available in the widths 200, 300 and 400 mm.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



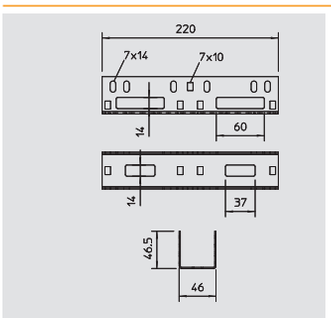
Luminaire support channel

Type	Side height	Width	Plate thickness	Length		Weight	Item No.
	mm	mm	mm	mm		kg/100 m	
LTS 50 FS	50	50	1.5	6,000		140.000	**6075 00 0**
LTS 50 FT	50	50	1.5	6,000		144.100	**6075 00 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

Perforated luminaire support channel for cable routing and luminaire mounting.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.





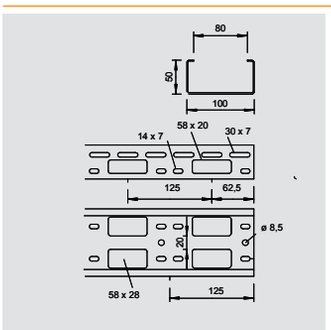
Straight connector

Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VF AZK 50 FS		25	27.200	**6066 61 5**
VF AZK 50 DD		25	27.200	**6066 62 3**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Straight connector for connection of luminaire support channels and AZ channels.
An adjustable connector can be created using two straight and angle connectors.





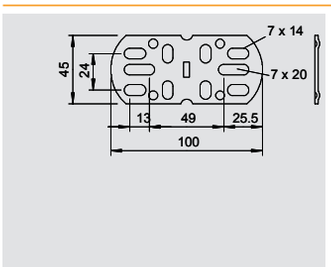
Luminaire support channel

Type	Width	Plate thickness	Length		Weight	Item No.
	mm	mm	mm		kg/100 m	
LTS 100 FS	100	1.5	6,000		177.000	**6075 02 4**

St Steel FS Strip-galvanised /m

Perforated luminaire support channel for cable routing and luminaire mounting.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.





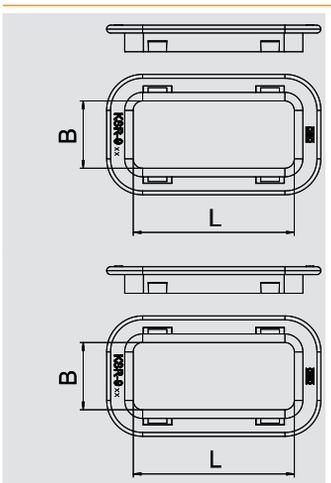
Straight and angle connector

Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VF AZK FT		25	7.500	**6066 55 0**

St Steel FT Hot-dip galvanised /pc.

Straight and angle connector for connection of AZ channels.
An adjustable connector can be created using two straight and angle connectors. Scope of delivery includes bolts with flange nut.





Cable protection ring

Type	Colour	for perforation		Pack.	Weight	Item No.
		mm		pcs	kg/100 pcs.	
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.



Type	Colour	for perforation		Pack.	Weight	Item No.
		mm		pcs	kg/100 pcs.	
KSR-915 PE	Light grey	28 x 58		25	0.500	**6066 70 4**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Luminaire support channel

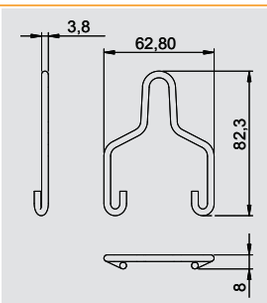
Suspension bracket



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
AHB LTS 50 FT		50	1.970	6066 50 5

St Steel F Hot-dip galvanised /100 pc.

Suspension bracket for chain fastening of the luminaire support channel, type LTS 50.

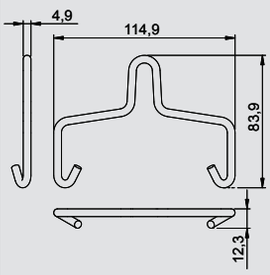




Type		Pack. pcs	Weight kg/100 pcs.	Item No.
AHB LTS 100 FT		50	4.060	6066 51 0

St Steel F Hot-dip galvanised /100 pc.

Suspension bracket for chain fastening of the luminaire support channel, type LTS 50.



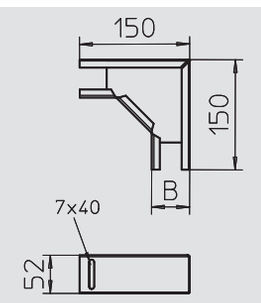
90° bend



Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS B DD	50	50		35.700	6074 90 1

St Steel DD Zinc-aluminium coated, double-dip /pc.

90° bend, horizontal, for AZ channel AZK 050 and luminaire support channel LTS 50.



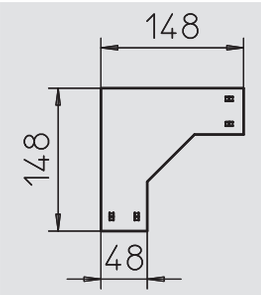
Cover for 90° bend



Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS DFB DD	50	50		10.000	6074 95 2

St Steel DD Zinc-aluminium coated, double-dip /pc.

Cover for 90° bend.



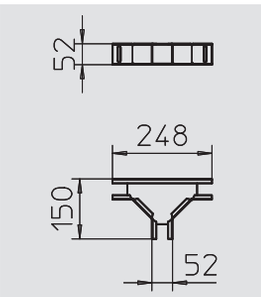
Tee



Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS T DD	50	50		46.500	6074 91 2

St Steel DD Zinc-aluminium coated, double-dip /pc.

Horizontal tee, for AZ channel AZK 050 and luminaire support channel LTS 50.



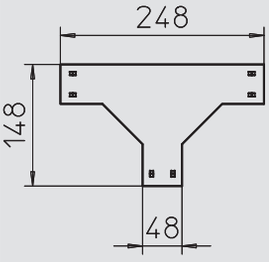
Cover for tee



Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS DFT DD	50	50		15.000	6074 96 1

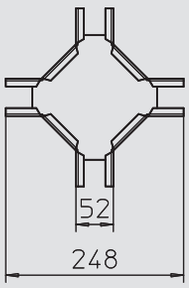
St Steel DD Zinc-aluminium coated, double-dip /pc.

Cover for tee



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

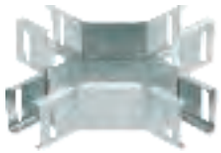


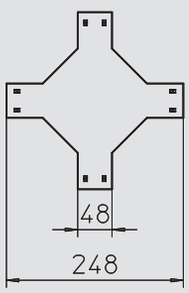
Cross-over

Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS K DD	50	50		57.000	**6074 92 1**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Cross-over, horizontal, for AZ channel AZK 050 and luminaire support channel LTS 50.





Cover for cross-over

Type	Side height mm	Width mm		Weight kg/100 pcs.	Item No.
LTS DFK DD	50	50		20.600	**6074 97 2**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Cover for horizontal cross-over.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Connection cable



Type	Cable length mm	Cross-section mm²	Number of poles	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q1.5 3 SW	3,000	1.5	3	Black		1	42.000	**6108 10 2**
VL-3Q1.5 5 SW	5,000	1.5	3	Black		1	70.000	**6108 10 4**
VL-3Q1.5 10 SW	10,000	1.5	3	Black		1	140.000	**6108 10 9**
VL-3Q1.5 15 SW	15,000	1.5	3	Black		1	210.000	**6108 11 4**

/pc.

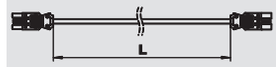
Connection cable 3 x 1.5 mm² in the version socket – connector with GST18i connection system.

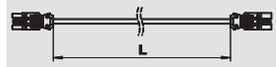


Type	Cable length mm	Cross-section mm²	Number of poles	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q2.5 3 SW	3,000	2.5	3	Black		1	54.000	**6108 15 2**
VL-3Q2.5 5 SW	5,000	2.5	3	Black		1	90.000	**6108 15 4**
VL-3Q2.5 10 SW	10,000	2.5	3	Black		1	180.000	**6108 15 9**
VL-3Q2.5 15 SW	15,000	2.5	3	Black		1	236.000	**6108 16 4**

/pc.

Connection cable 3 x 2.5 mm² in the version socket – connector with GST18i connection system.





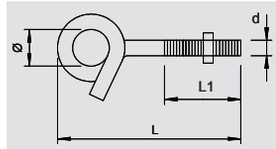
Ceiling hook



Type	Thread	Dimension d mm	Dimension L mm	Dimension L1 mm	Dimension d Ø mm	Breaking load kN		Pack. pcs	Weight kg/100 pcs.	Item No.
948 TG6	M6	6	70	46	13	1		25	5.000	**3453 82 0**

St Steel G Electrogalvanised /100 pc.

Tightly wound ceiling hook. Including two large washers and nuts.



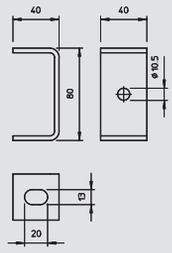
Ceiling bracket



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DB FT		50	16.000	**6356 10 9**

St Steel FT Hot-dip galvanised /pc.

Ceiling bracket for threaded rod suspension.



Ceiling bracket, variable

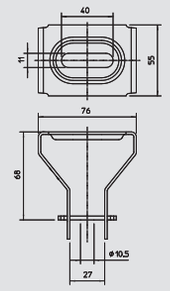


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV FS		20	18.200	**6356 05 5**

St Steel FS Strip-galvanised /pc.

Ceiling bracket for suspension with threaded rods. The variable adjustment permits universal use.

The locked threaded rod seat offers the option of infinite angle adjustment.



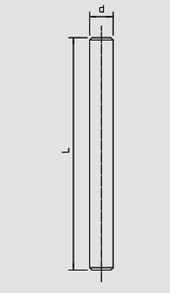
Threaded rod



Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M G	M8	8	1,000		50	30.000	**3141 12 8**
2078 M10 1M G	M10	10	1,000		25	49.000	**3141 20 9**
2078 M12 1M G	M12	12	1,000		20	100.000	**3141 30 6**
2078 M8 2M G	M8	8	2,000		25	60.000	**3141 13 6**
2078 M10 2M G	M10	10	2,000		25	98.000	**3141 14 0**
2078 M12 2M G	M12	12	2,000		20	140.000	**3141 14 4**

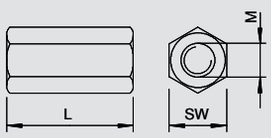
St Steel G Electrogalvanised /100 pc.

Threaded rod to DIN 976.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



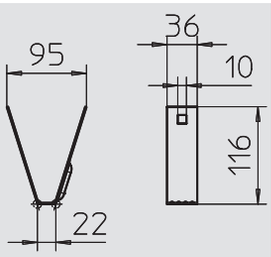
Connection sleeve

Type	Thread	Dimension M	Dimension L mm	SW mm	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
12005 M8 G	M8	8	30	13	600	50	2.000	**6410 08 1**
12005 M10 G	M10	M10	40	17	200	50	6.000	**6410 10 3**
12005 M12 G	M12	M12	40	19	150	25	7.000	**6410 11 1**

St Steel G Electrogalvanised /100 pc.

Connection sleeve with continuous internal thread.





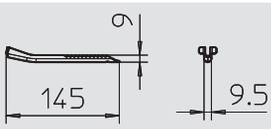
Ceiling bracket, trapezoidal

Type	Material thickness mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPB 100 FS	1.5	0.8	50	9.900	**6357 50 6**

St Steel FS Strip-galvanised /pc.

Ceiling bracket for fastening to standard trapezoidal ceilings.
Important: Observe the statics of the trapezoidal metal ceiling.





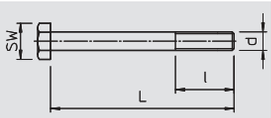
Bolt for trapezoidal fastening

Type	Material thickness mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPB R FS	1.5	0.8	50	3.700	**6357 53 6**

St Steel FS Strip-galvanised /pc.

Splint for fastening and securing the ceiling bracket to trapezoidal ceilings.
Important: Observe the statics of the trapezoidal metal ceiling.





Hexagonal bolt

Type	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X110 G	M10 x 110	110	30	10	17	25	9.500	**6418 24 4**

St Steel G Electrogalvanised /100 pc.

Hexagonal bolt with washers and hexagonal nut.



Suspension chain

Type	Material thickness mm	Pack. m	Weight kg/100 m	Item No.
LTK-K 10 G	2.6	10	19.000	**6050 36 0**
LTK-K 25 G	2.6	25	19.000	**6050 37 0**

St Steel G Electrogalvanised /m

Chain for suspending luminaire support systems.



Quick link

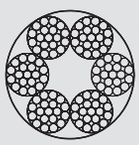
Type	Material thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KNG G	4	100	0.700	**6050 37 5**

St Steel G Electrogalvanised /100 pc.

Quick link for connecting the chain, type LTK.







Steel wire tensioning rope

Type	Cable diameter mm	Breaking load kN	In rings m	Weight kg/100 m	Item No.
957 3 G	3	5.29	50	3.220	**5303 20 6**

St Steel G Electrogalvanised /100 m

Steel wire tensioning rope, galvanised with fibre inlay (hemp core).
Cable Ø 2 - 6 mm: round-stranded cable 6 x 7 according to DIN 3055.
Cable Ø 8 - 10 mm: round-stranded cable 6 x19 according to DIN 3060.
Minimum break force 1770 N/mm².

Application for interior areas!



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

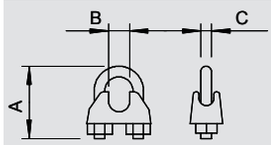


Wire rope clamp

Type	For rope-Ø mm	Dimension A mm	Dimension B mm	Dimension C mm	Pack. pcs	Weight kg/100 pcs.	Item No.
947 3 F	3	20	4	4	25	1.061	**5302 02 1**

TG Cast iron F Hot-dip galvanised /100 pc.

Wire cable clamp for fastening steel wire tensioning cables. ## Application for interior areas! ##



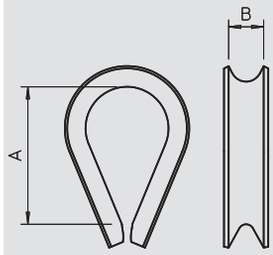


Rope thimble

Type	For rope-Ø mm	Dimension A mm	Dimension B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
946 3 G	3	21.5	4	25	0.345	**5301 03 3**

St Steel G Electrogalvanised /100 pc.

Cable eye stiffener according to DIN 65457.
Application for interior areas!





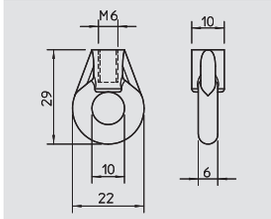
Ring eyelet

Type	Dimension D mm	Thread	Dimension L mm	Dimension d Ø mm	Dimension BØ mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
2084 K M6	22	M6	29	10	10	1.15	100	1.500	**3463 06 0**

Zn Die-cast zinc G Electrogalvanised /100 pc.

Ring eyelet with metric internal thread.

G	L mm	D mm	d mm	B mm	b mm
M6	29	22	10	10	6





Perforated steel strap

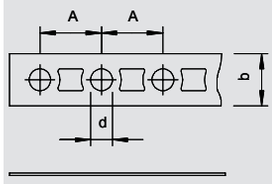
Type	Dimension mm	Per roll m	Weight kg/100 pcs.	Item No.
5055 I12 FS	12 x 1	10	73.000	**1470 12 4**
5055 II17 FS	17 x 1	10	106.000	**1470 17 5**
5055 III26 FS	26 x 1.2	10	204.500	**1470 26 4**
5055 LI12 FS	12 x 0.75	10	59.000	**1471 12 0**
5055 LII17 FS	17 x 0.75	10	84.200	**1471 17 1**
5055 LIII26 26	26 x 1	10	172.300	**1471 26 0**

St Steel FS Strip-galvanised /pc.

Perforated steel strap, in practical uncoiling box.

Important dimensions, installation strip

Dimension mm	d mm	A mm	b mm
12 x 1	5.2	14.4	12
17 x 1	6.5	20	17
26 x 1.2	8.5	25	26
12 x 0.75	5.2	14.4	12
17 x 0.75	6.5	20	17
26 x 1	8.5	25	26



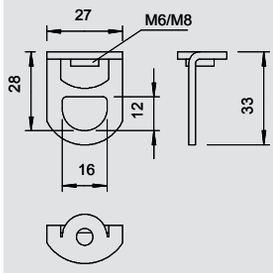


TS suspension eyelet

Type	Thread	Breaking load kN	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
2990 M6 G	M6	3.5	500	50	2.320	**3462 86 2**
2990 M8 G	M8	3.5	500	50	2.320	**3462 88 9**

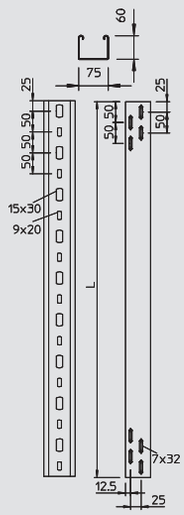
St Steel G Electrogalvanised /100 pc.

Suspension eyelet with interior thread.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



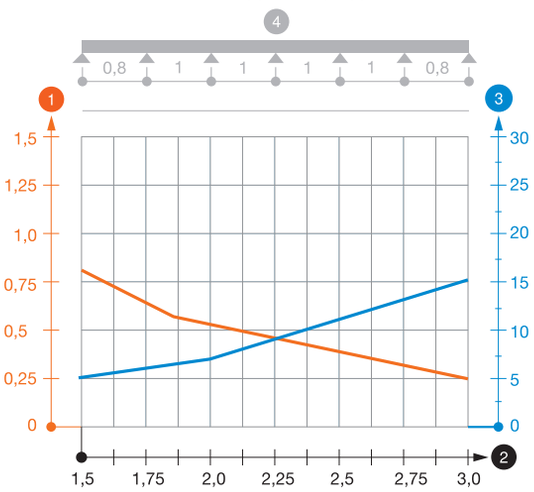
Luminaire support tray

Type	Width	Side height	Length	Plate thickness	RAL number	Colour		Weight	Item No.
	mm	mm	mm	mm				kg/100 m	
LTR 3000 FS	75	60	3,000	0.75	–	–		125.000	**6055 81 0**
LTR 6000 FS	75	60	6,000	0.75	–	–		125.000	**6055 81 2**
LTR FSK RW	75	60	3,000	0.75	9,010	Pure white		136.000	**6055 82 0**

St Steel FS Strip-galvanised FSK Strip galvanised/powder-coated /m

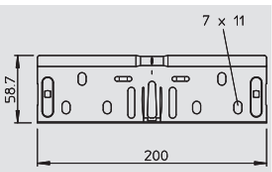
Luminaire support tray with perforated base for fastening luminaires and cable penetration.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
The white version is a visible surface coating.

Load diagram, luminaire support tray, type LTR



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width





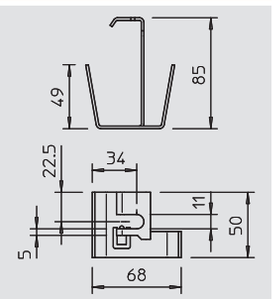
Straight connector set

Type	Side height	Width		Pack.	Weight	Item No.
	mm	mm		pcs	kg/100 pcs.	
RV 607 FS	60	75		10	17.800	**6068 15 0**

St Steel FS Strip-galvanised /pc.

Straight connector set for straight, screwless connections of cable trays and fittings with a side height of 60 mm.
The continuous earthing connection is guaranteed without nuts & bolts.





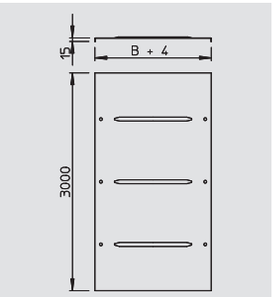
Central hanger

Type	For width	For threaded rod		Pack.	Weight	Item No.
	mm			pcs	kg/100 pcs.	
MAH LTR FS	75	M10		25	12.100	**6358 81 0**

St Steel FS Strip-galvanised /pc.

Central hanger for luminaire support tray, type LTR, for threaded rod and chain suspension.
The central hanger can be used with all cable trays of width 75 mm and side height 60 mm.





Cover incl. turn-buckle

Type	Width	Plate thickness	Length		Weight	Item No.
	mm	mm	mm		kg/100 m	
DRL 075 FS	75	0.75	3,000		81.667	**6052 02 9**

St Steel FS Strip-galvanised /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.
Take appropriate constructive protection measures if there are high wind speeds.
Cross beading from 500 mm width.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Shipbuilding systems

	Mounting systems	Angle profile Welding angle Hook screw	382 382 383
	Cable tray systems	Cable tray, marine standard 90° Bend Screw connector	384 385 385
	Cable ladder systems	Cable ladder, light duty Cable ladder, standard Clamp Connector Cable ladder with Z rung Accessories	386 387 388

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Angle profile

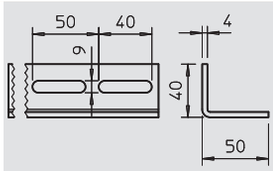
Type	Length mm		Pack. m	Weight kg/100 m	Item No.
WESP 50 40 FT	3,000		1	246.340	**7105 67 3**

St Steel FT Hot-dip galvanised /m

Angle profile with double perforation row to create suspension and support constructions.

Angle profile with double perforation row to create suspension and support constructions.







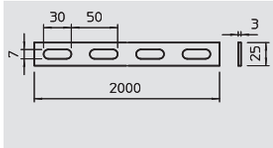
Construction and suspension profile

Type	Length mm	Version		Pack. m	Weight kg/100 m	Item No.
SLH 42 FT	2,000	Perforated		1	51.500	**7103 61 1**

St Steel FT Hot-dip galvanised /m

Perforated rail profile of ship ladder, SL 42, for creation of suspension and support structures.

The rail profile is available in unpainted steel and in stainless steel on request.



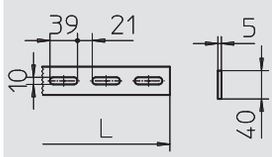


Type	Length mm	Version		Pack. m	Weight kg/100 m	Item No.
SLH 62 FT	3,000	Perforated		1	136.000	**7103 64 3**

St Steel FT Hot-dip galvanised /m

Perforated side rail of ship cable ladder, SL 62, for creation of suspension and support structures.

The rail profile is available in unpainted steel and in stainless steel on request.

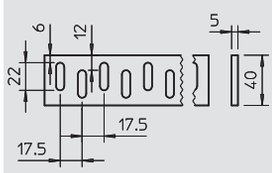




Type	Length mm		Pack. m	Weight kg/100 m	Item No.
FESP 40 5 FT	3,000		15	381.000	**7104 35 6**

St Steel FT Hot-dip galvanised /m

Flat iron profile with double, side-offset slot row to create suspended and support constructions.

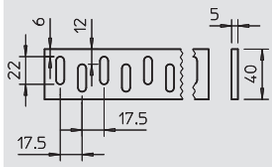




Type	Length mm		Pack. m	Weight kg/100 m	Item No.
FESP 40 5 SG	3,000		15	381.000	**7104 35 8**

St Steel SG Pre-treated for welding /m

Flat iron profile with double, side-offset slot row to create suspended and support constructions.



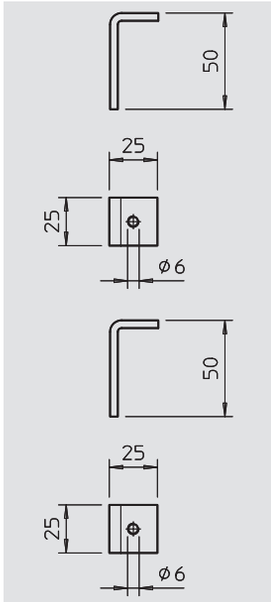


Welding angle

Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
ASW FT	25 x 50		10	5.700	**6015 35 0**

St Steel FT Hot-dip galvanised /pc.

Connection bracket for mounting ship's cable ladders and marine tracks, for welding to steel constructions in ship construction.





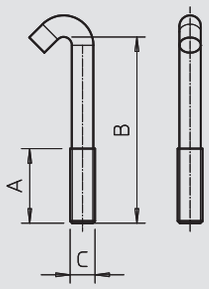
Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
ASW BK	25 x 50		10	5.300	**6015 35 2**

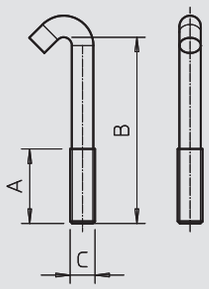
St Steel Bright /pc.

Connection bracket for mounting ship's cable ladders and marine tracks, for welding to steel constructions in ship construction.

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013





Hook screw

Type	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
HS M6 45 V4A	M6		50	0.970	**1154 97 0**

V4A Stainless steel, grade 316 L /100 pc.

Hook screw for fastening cable tracks on the bracket.



Type	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
HS M8 60 V4A	M8		50	2.330	**1154 97 5**

V4A Stainless steel, grade 316 L /100 pc.

Hook screw for fastening cable tracks on the bracket.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



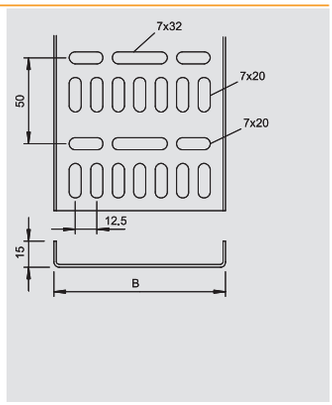
Cable tray, marine standard

Type	Width mm	Length mm	Plate thickness mm		Weight kg/100 m	Item No.
MKR 15 050 FS	50	2,000	1		49.000	**6045 95 2**
MKR 15 075 FS	75	2,000	1		64.000	**6045 96 0**
MKR 15 100 FS	100	2,000	1		76.000	**6045 97 9**
MKR 15 150 FS	150	2,000	1		104.000	**6045 99 5**
MKR 15 200 FS	200	2,000	1		131.000	**6046 00 2**
MKR 15 300 FS	300	2,000	1.5		275.000	**6046 02 9**

St Steel FS Strip-galvanised /m

Perforated metal cable tray according to marine standard. Cable tray with 7 x 20 mm base perforation for cable ventilation and simplified mounting.

The cable track is manufactured according to the VG standard 88900. The side rail of the cable track is unperforated.





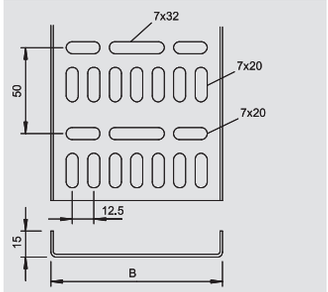
Cable tray, marine standard

Type	Width mm	Length mm	Plate thickness mm		Weight kg/100 m	Item No.
MKR 15 050 FT	50	2,000	1.25		65.500	**6045 05 7**
MKR 15 075 FT	75	2,000	1.25		84.700	**6045 07 3**
MKR 15 100 FT	100	2,000	1.25		104.000	**6045 10 3**
MKR 15 125 FT	125	2,000	1.25		125.500	**6045 13 8**
MKR 15 150 FT	150	2,000	1.5		162.500	**6045 15 4**
MKR 15 200 FT	200	2,000	1.5		205.500	**6045 20 0**
MKR 15 250 FT	250	2,000	1.5		253.000	**6045 25 1**
MKR 15 300 FT	300	2,000	1.5		292.700	**6045 30 8**

St Steel FT Hot-dip galvanised /m

Perforated metal cable tray according to marine standard. Cable tray with 7 x 20 mm base perforation for cable ventilation and simplified mounting.

The cable track is manufactured according to the VG standard 88900. The side rail of the cable track is unperforated.





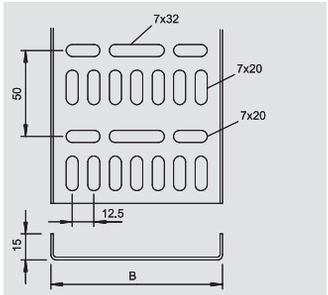
Cable tray, marine standard

Type	Width mm	Length mm	Plate thickness mm		Weight kg/100 m	Item No.
MKR 15 050 ALU	50	2,000	1.25		25.500	**6045 70 7**
MKR 15 075 ALU	75	2,000	1.25		33.000	**6045 71 5**
MKR 15 100 ALU	100	2,000	1.25		39.500	**6045 72 3**
MKR 15 150 ALU	150	2,000	1.5		70.500	**6045 75 8**
MKR 15 200 ALU	200	2,000	1.5		89.500	**6045 76 6**
MKR 15 250 ALU	250	2,000	1.5		108.000	**6045 77 4**

Al Aluminium /m

Perforated metal cable tray according to marine standard. Cable tray with 7 x 20 mm base perforation for cable ventilation and simplified mounting.

The cable track is manufactured according to the VG standard 88900. The side rail of the cable track is unperforated.





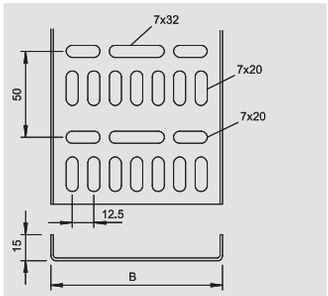
Cable tray, marine standard

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
MKR 15 050VA4301	50	1.25	2,000		61.300	**6045 83 0**
MKR 15 075VA4301	75	1.25	2,000		80.000	**6045 83 2**
MKR 15 100VA4301	100	1.25	2,000		95.000	**6045 83 4**
MKR 15 125VA4301	125	1.25	2,000		113.800	**6045 83 6**
MKR 15 150VA4301	150	1.5	2,000		156.000	**6045 83 8**
MKR 15 200VA4301	200	1.5	2,000		196.500	**6045 84 0**
MKR 15 250VA4301	250	1.5	2,000		237.000	**6045 84 2**
MKR 15 300VA4301	300	1.5	2,000		275.000	**6045 84 4**

V2A Stainless steel, grade 304 /m

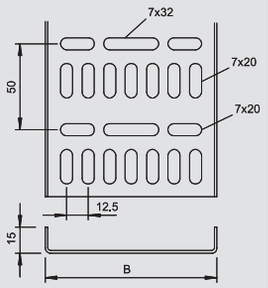
Perforated metal cable tray according to marine standard. Cable tray with 7 x 20 mm base perforation for cable ventilation and simplified mounting.

The cable track is manufactured according to the VG standard 88900. The side rail of the cable track is unperforated.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Cable tray, marine standard

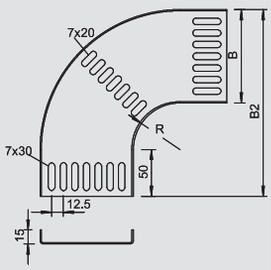


Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
MKR 15 050VA4571	50	1.25	2,000		49.000	**6045 85 0**
MKR 15 075VA4571	75	1.25	2,000		64.000	**6045 85 2**
MKR 15 100VA4571	100	1.25	2,000		76.000	**6045 85 4**
MKR 15 125VA4571	125	1.25	2,000		91.000	**6045 85 6**
MKR 15 150VA4571	150	1.5	2,000		156.000	**6045 85 8**
MKR 15 200VA4571	200	1.5	2,000		196.500	**6045 86 0**
MKR 15 250VA4571	250	1.5	2,000		237.000	**6045 86 2**
MKR 15 300VA4571	300	1.5	2,000		275.000	**6045 86 4**

V4A Stainless steel, grade 316 Ti /m

Perforated metal cable tray according to marine standard. Cable tray with 7 x 20 mm base perforation for cable ventilation and simplified mounting.

The cable track is manufactured according to the VG standard 88900. The side rail of the cable track is unperforated.



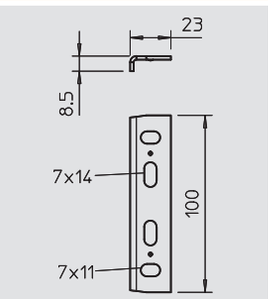
Bend 90 °



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RB 90 75 050 FS	51		1	14.600	**7061 14 6**
RB 90 75 075 FS	76		1	21.300	**7061 05 0**
RB 90 75 100 FS	101		1	28.400	**7061 24 4**
RB 90 75 125 FS	126		1	56.500	**7061 25 2**
RB 90 75 150 FS	151		1	73.300	**7061 36 0**
RB 90 75 200 FS	201		1	102.400	**7061 44 9**
RB 90 75 250 FS	252		1	163.800	**7061 54 6**
RB 90 75 300 FS	302		1	206.000	**7061 64 3**
RB 90 75 050 FT	51		1	16.000	**7061 14 5**
RB 90 75 075 FT	76		1	23.300	**7061 04 8**
RB 90 75 100 FT	101		1	31.100	**7061 24 2**
RB 90 75 200 FT	201		1	110.600	**7061 44 7**
RB 90 75 250 FT	252		1	176.900	**7061 54 4**
RB 90 75 300 FT	302		1	222.500	**7061 64 1**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

90° bend, horizontal, for all ship construction cable tray types according to the marine standard of 15 mm side height.



Screw connector



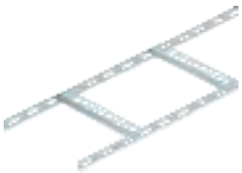
Type	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV MKR FS	16 x 29 x 60		50	4.900	**6066 24 2**
SV MKR FT	16 x 29 x 60		50	5.000	**6066 24 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /pc.

Straight connector for straight connection of cable trays, according to the marine standard, and fittings with a side height of 15 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable ladder, light duty

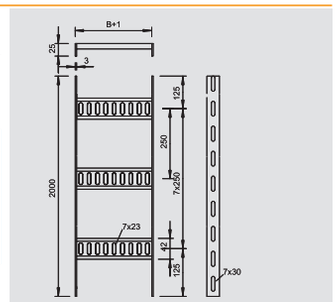


Type	Width mm	Length mm	Rail thickness mm	Weight kg/100 m	Item No.
SL 42 075 FT	75	2,000	3	114.000	**7097 11 5**
SL 42 100 FT	100	2,000	3	118.000	**7097 12 3**
SL 42 150 FT	150	2,000	3	125.000	**7097 13 1**
SL 42 200 FT	200	2,000	3	132.500	**7097 15 8**
SL 42 250 FT	250	2,000	3	140.000	**7097 16 6**
SL 42 300 FT	300	2,000	3	147.500	**7097 17 4**

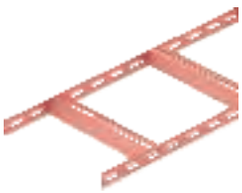
St Steel FT Hot-dip galvanised /m

Shipping cable ladder with perforated side rail of side height 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

The shipping cable ladder is also available in aluminium and stainless steel on request. Bends are also available on request.



Cable ladder, light duty

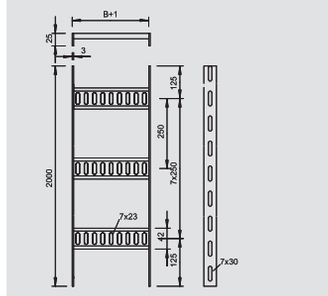


Type	Width mm	Length mm	Rail thickness mm	Weight kg/100 m	Item No.
SL 42 075	75	2,000	3	109.000	**7097 02 6**
SL 42 100	100	2,000	3	112.500	**7097 03 4**
SL 42 150	150	2,000	3	119.000	**7097 04 2**
SL 42 200	200	2,000	3	125.500	**7097 05 0**
SL 42 250	250	2,000	3	132.000	**7097 06 9**
SL 42 300	300	2,000	3	139.000	**7097 07 7**

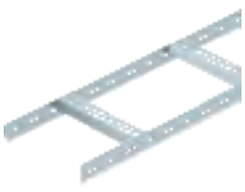
St Steel SG Pre-treated for welding /m

Shipping cable ladder with perforated side rail of side height 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

The shipping cable ladder is also available in aluminium and stainless steel on request. Bends are also available on request.



Cable ladder, standard

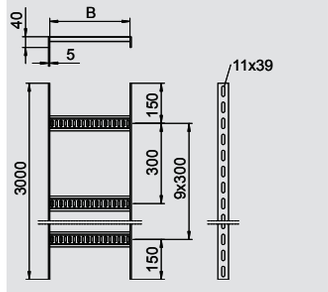


Type	Width mm	Length mm	Weight kg/100 m	Item No.
SL 62 110 FT	110	3,000	307.300	**7097 40 9**
SL 62 210 FT	210	3,000	342.700	**7097 42 5**
SL 62 310 FT	310	3,000	378.000	**7097 43 3**
SL 62 410 FT	410	3,000	413.000	**7097 44 1**
SL 62 510 FT	510	3,000	448.700	**7097 46 8**
SL 62 610 FT	610	3,000	483.700	**7097 47 6**

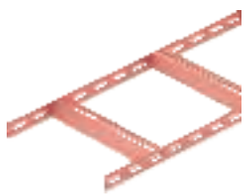
St Steel FT Hot-dip galvanised /m

Shipping cable ladder with perforated side rail of side height 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

The shipping cable ladder is also available in aluminium and stainless steel on request. Bends are also available on request.



Cable ladder, standard

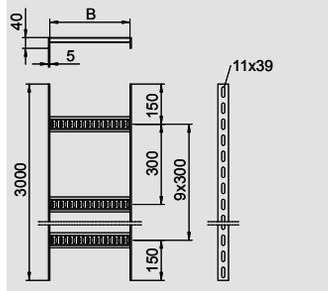


Type	Width mm	Length mm	Weight kg/100 m	Item No.
SL 62 110	110	3,000	299.000	**7097 21 2**
SL 62 210	210	3,000	332.300	**7097 23 9**

St Steel SG Pre-treated for welding /m

Shipping cable ladder with perforated side rail of side height 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

The shipping cable ladder is also available in aluminium on request. Bends are also available on request.



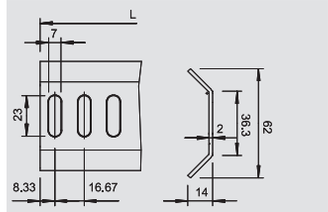
Rung, standard



Type	Length mm		Pack. m	Weight kg/100 m	Item No.
SLSP 62 300 FT	3,000		1	104.800	**7102 77 1**
SLSP 62 300 SG	3,000		1	98.900	**7102 67 4**

St Steel SG Pre-treated for welding FT Hot-dip galvanised /m

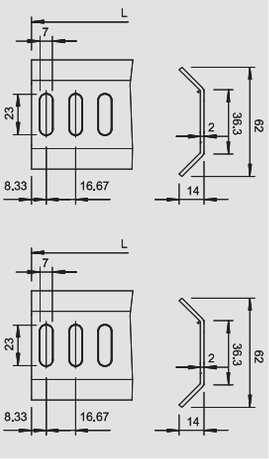
Light-duty rung with 7 x 32 mm perforation. For welding in cable ladders, type SL 62, and for static constructions.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Rung, standard



Type	Length		Pack.	Weight	Item No.
	mm		m	kg/100 m	
SLSP 62 300 V2A	3,000		1	98.900	**7102 56 2**

V2A Stainless steel, grade 304 /m

Light-duty rung with 7 x 32 mm perforation. For welding in cable ladders, type SL 62, and for static constructions.



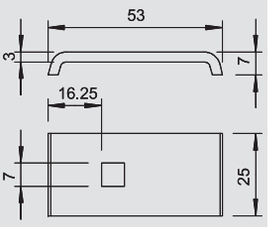
Type	Length		Pack.	Weight	Item No.
	mm		m	kg/100 m	
SLSP 62 300 V4A	3,000		1	98.900	**7102 58 2**

V4A Stainless steel, grade 316 Ti /m

Light-duty rung with 7 x 32 mm perforation. For welding in cable ladders, type SL 62, and for static constructions.



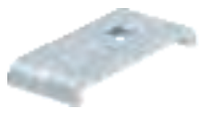
Cable ladder clamp



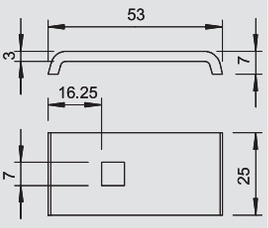
Type	Width		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
KL 42 FT	25		50	3.100	**7103 36 0**

St Steel FT Hot-dip galvanised /pc.

Cable ladder bracket to fasten the cable ladder SL 42.



Cable ladder clamp



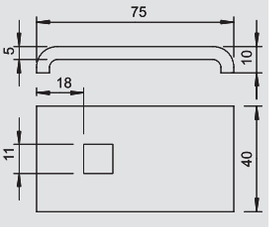
Type	Width		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
KL 42 VA 4571	25		50	3.100	**7103 36 8**

V4A Stainless steel, grade 316 Ti /pc.

Cable ladder bracket to fasten the cable ladder SL 42.



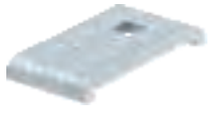
Cable ladder clamp



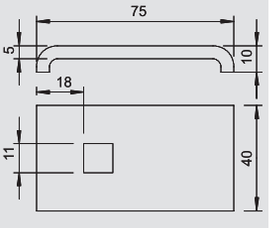
Type	Width		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
KL 62 FT	40		50	14.800	**7103 38 7**

St Steel FT Hot-dip galvanised /pc.

Cable ladder bracket to fasten the cable ladder SL 62.



Cable ladder clamp



Type	Width		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
KL 62 VA 4571	40		50	11.900	**7103 39 3**

V4A Stainless steel, grade 316 Ti /pc.

Cable ladder bracket to fasten the cable ladder SL 62.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Connector

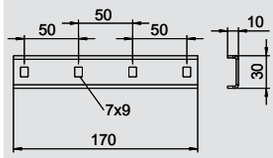
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SLV 42 FT	42		20	11.900	**7103 54 0**

St Steel FT Hot-dip galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 25 mm.

The screw fastening ensures the continuity of the equipotential bonding.





Connector

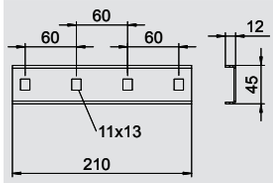
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SLV 62 FT	62		10	20.900	**7103 54 8**

St Steel FT Hot-dip galvanised /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 25 mm.

The screw fastening ensures the continuity of the equipotential bonding.





Connector

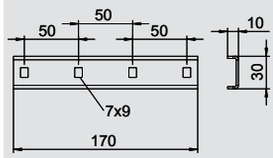
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SLV 42 VA 4571	42		20	11.300	**7103 56 0**

V4A Stainless steel, grade 316 Ti /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 25 mm.

The screw fastening ensures the continuity of the equipotential bonding.





Connector

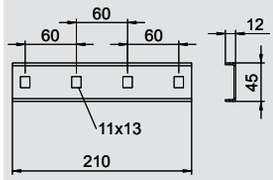
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SLV 62 VA 4571	62		10	14.600	**7103 56 8**

V4A Stainless steel, grade 316 Ti /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 25 mm.

The screw fastening ensures the continuity of the equipotential bonding.





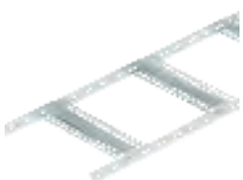
Cable ladder with Z rung, light duty

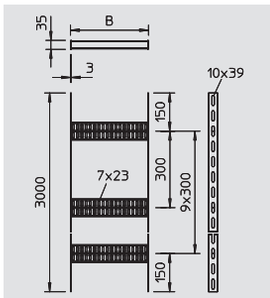
Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLZ L 100 FT	100	3,000		175.300	**7098 00 2**
SLZ L 150 FT	150	3,000		186.700	**7098 00 4**
SLZ L 200 FT	200	3,000		198.300	**7098 00 6**
SLZ L 300 FT	300	3,000		221.700	**7098 00 8**
SLZ L 400 FT	400	3,000		245.000	**7098 01 0**
SLZ L 500 FT	500	3,000		268.300	**7098 01 2**
SLZ L 600 FT	600	3,000		291.700	**7098 01 4**

St Steel FT Hot-dip galvanised /m

Light duty shipping cable ladder with perforated side rail of side height 35 mm with welded, perforated Z rungs.

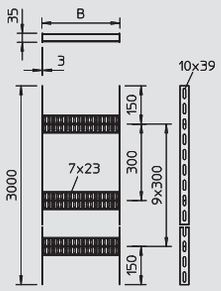
The shipping cable ladder is also available in stainless steel on request. Bends are also available on request.





04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



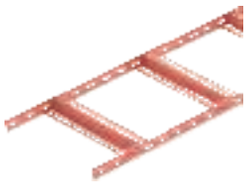
Cable ladder with Z rung, light duty

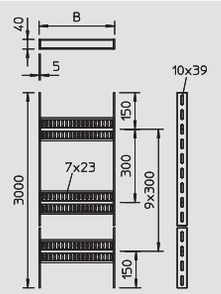
Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLZ L 100 SG	100	3,000		167.000	**7098 03 2**
SLZ L 150 SG	150	3,000		177.300	**7098 03 4**
SLZ L 200 SG	200	3,000		187.700	**7098 03 6**
SLZ L 300 SG	300	3,000		208.700	**7098 03 8**
SLZ L 400 SG	400	3,000		229.300	**7098 04 0**
SLZ L 500 SG	500	3,000		250.000	**7098 04 2**
SLZ L 600 SG	600	3,000		270.700	**7098 04 4**

St Steel SG Pre-treated for welding /m

Light duty shipping cable ladder with perforated side rail of side height 35 mm with welded, perforated Z rungs.

The shipping cable ladder is also available in stainless steel on request. Bends are also available on request.





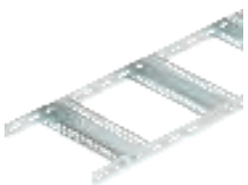
Cable ladder with Z rung, standard

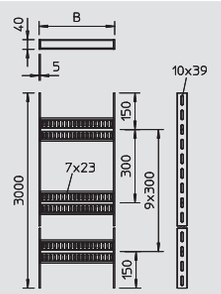
Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLZ 100 FT	100	3,000		328.700	**7098 13 2**
SLZ 200 FT	200	3,000		385.300	**7098 13 4**
SLZ 300 FT	300	3,000		441.700	**7098 13 6**
SLZ 400 FT	400	3,000		498.300	**7098 13 8**
SLZ 500 FT	500	3,000		554.700	**7098 14 0**
SLZ 600 FT	600	3,000		611.300	**7098 14 2**
SLZ 700 FT	700	3,000		667.700	**7098 14 4**
SLZ 800 FT	800	3,000		724.300	**7098 14 6**
SLZ 900 FT	900	3,000		780.700	**7098 14 8**
SLZ 1000 FT	1,000	3,000		837.300	**7098 15 0**
SLZ 1200 FT	1,200	3,000		950.300	**7098 15 2**

St Steel FT Hot-dip galvanised /m

Shipping cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs.

The shipping cable ladder is also available in stainless steel on request. Bends are also available on request.





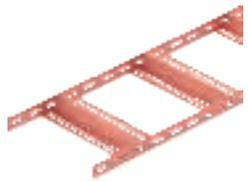
Cable ladder with Z rung, standard

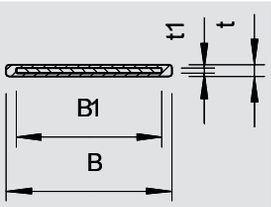
Type	Width mm	Length mm		Weight kg/100 m	Item No.
SLZ 100 SG	100	3,000		319.000	**7098 16 2**
SLZ 200 SG	200	3,000		372.300	**7098 16 4**
SLZ 300 SG	300	3,000		425.700	**7098 16 6**
SLZ 400 SG	400	3,000		479.000	**7098 16 8**
SLZ 500 SG	500	3,000		532.300	**7098 17 0**
SLZ 600 SG	600	3,000		585.700	**7098 17 2**
SLZ 700 SG	700	3,000		639.000	**7098 17 4**
SLZ 800 SG	800	3,000		692.300	**7098 17 6**
SLZ 900 SG	900	3,000		745.700	**7098 17 8**
SLZ 1000 SG	1,000	3,000		799.000	**7098 18 0**
SLZ 1200 SG	1,200	3,000		905.300	**7098 18 2**

St Steel SG Pre-treated for welding /m

Shipping cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs.

The shipping cable ladder is also available in stainless steel on request. Bends are also available on request.





Tightening strap

Type	Dimension mm	Minimum breaking load kN	Colour	Shipping box m		Pack. m	Weight kg/100 m	Item No.
574 G STGR	17 x 1.0	1.35	Stone grey	250		25	5.880	**6490 01 8**

St Steel G Electrogalvanised /100 m

Galvanised tightening strap and with plastic covering for fastening on cable trays and ladders.

Important dimensions, tightening strap

B mm	t mm	B1 mm	t1 mm
17	1	15.5	0.3



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Tightening strap VA

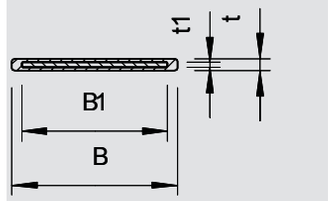
Type	Dimension mm	Minimum breaking load kN	Colour	Shipping box m		Pack. m	Weight kg/100 m	Item No.
574 03 SW	17 x 1.0	2.25	Black	250		25	6.950	**6490 02 6**
574 03 BA	17 x 1.0	2.25	Blue anthracite	250		25	6.950	**6490 03 4**
574 03 BR	17 x 1.0	2.25	Chestnut brown	250		25	6.950	**6490 02 8**

V4A Stainless steel, grade 316 Ti V2A Stainless steel, grade 301 /100 m

Tightening strap made of rustproof steel and with plastic covering for fastening on cable trays and ladders.

Important dimensions, tightening strap

B mm	t mm	B1 mm	t1 mm
17	1.2	14.5	0.5
17	1	15.5	0.3
17	1		



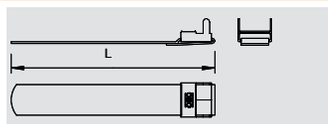


Tightening strap in fixed lengths

Type	Dimension mm	Length mm	Colour	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
574 03 30 BA	17 x 1.0	300	Blue anthracite	500		25	2.410	**6490 10 7**
574 03 45 BA	17 x 1.0	450	Blue anthracite	250		25	3.260	**6490 12 3**
574 05 55 GNBG	16.5 x 1.2	550	Green-beige	250		25	4.660	**6490 15 8**
574 05 65 GNBG	16.5 x 1.2	650	Green-beige	250		25	5.370	**6490 17 4**

V2A Stainless steel, grade 301 /100 pc.

Tightening strap, 574/03/VA and 574/05/VA, completely preterminated with tightening strap lock.



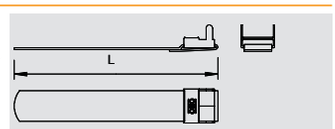


Tightening strap in fixed lengths

Type	Dimension mm	Length mm	Colour	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
574 03 45 STGR	17 x 1.0	450	Stone grey	500		25	3.260	**6490 12 5**
574 03 55 STGR	17 x 1.0	550	Stone grey	500		25	3.830	**6490 13 5**
574 03 65 STGR	17 x 1.0	650	Stone grey	500		25	4.400	**6490 14 5**

St Steel G Electrogalvanised /100 pc.

Tightening strap, 574/03/, electrogalvanised, completely pre-terminated with tightening strap lock.



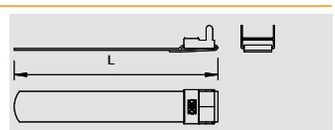


Tightening strap in fixed lengths

Type	Dimension mm	Length mm	Colour	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
574 03 30 SW	17 x 1.0	300	Black	500		25	2.410	**6490 11 1**
574 03 45 SW	17 x 1.0	450	Black	500		25	3.260	**6490 12 7**
574 03 55 SW	17 x 1.0	550	Black	500		25	3.830	**6490 13 7**
574 03 65 SW	17 x 1.0	650	Black	500		25	4.400	**6490 14 7**

V2A Stainless steel, grade 304 /100 pc.

Tightening strap, 574/03/VA and 574/05/VA, completely pre-terminated with tightening strap lock.



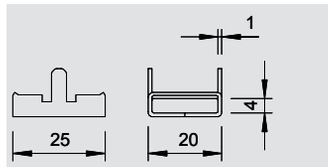


Tightening strap lock

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
192	1,200		100	0.900	**6490 90 5**

St Steel DD Zinc-aluminium coated, double-dip /100 pc.

Tightening strap lock for mounting under the ceiling.



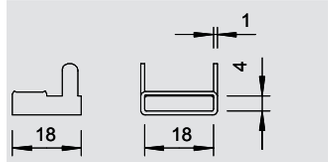


Tightening strap lock VA

Type	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
197 VA4301	1,800		100	0.560	**6490 96 4**

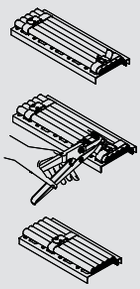
V2A Stainless steel, grade 304 /100 pc.

Tightening strap lock for single-sided locking of tightening strap in problematic areas.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



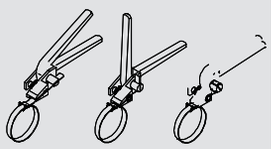
Spring chuck

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
575		1	29.700	**6498 01 9**

St Steel /pc.

For tightening strap 574/...
Mounting of the tightening strap:
1. Cut the strap to the right length, push it through the lock and turn it over.
2. Loop the strap around the cable, push the loose end through the lock.
3. Tighten the end of the strap with the pliers.
4. Turn the end of the taut strap with the pliers. Remove the pliers.
5. Completely turnover the turned end of the strap with the hammer, secure the end of the strap by hitting the two standing lobes of the lock.





Spring chuck

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
576		1	132.000	**6498 02 7**

St Steel /pc.

For tightening strap 574/...



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Modular systems

	AZ channel	Side height 50 mm	394
	Accessories	Connector Cable protection ring	395 396
	Motor connection column	Motor connection column Cover Column foot Mounting bracket Device plate	398 398
	BKK system	Basic profile, standard Basic profile without side perforation Basic profile with side perforation	399 399 399
	Accessories	Connector Truss-head bolt	399 399

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

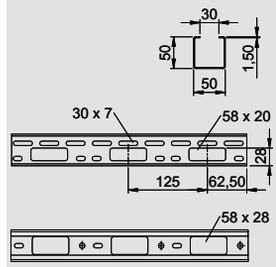
AZ channel system 50



Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
AZK 050 FS	50	1.5	3,000	135.000	6075 09 6
AZK 050 FT	50	1.5	3,000	143.000	6075 14 2

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

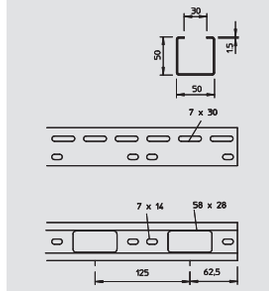




Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
AZK A 050 FT	50	1.5	3,000	135.000	6076 14 9

St Steel FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



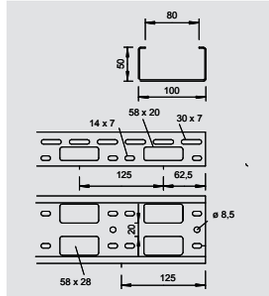
AZ channel system 100



Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
AZK 100 FS	100	1.5	3,000	177.000	6075 23 1
AZK 100 FT	100	1.5	3,000	188.000	6075 25 8

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

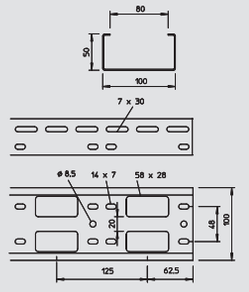




Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
AZK A 100 FT	100	1.5	3,000	206.000	6076 24 6

St Steel FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



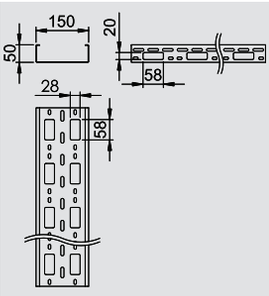
AZ channel system 150



Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No.
AZK 150 FS	150	1.5	3,000	231.700	6075 32 0
AZK 150 FT	150	1.5	3,000	245.700	6075 32 5

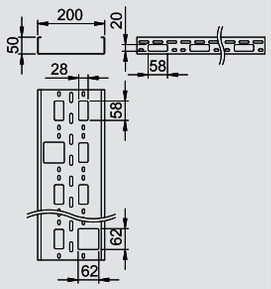
St Steel FS Strip-galvanised FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

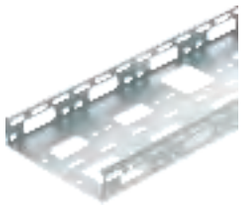


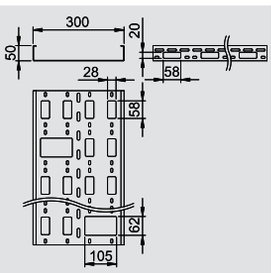
AZ channel system 200

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 200 FS	200	1.5	3,000		280.300	**6075 34 5**
AZK 200 FT	200	1.5	3,000		296.000	**6075 35 0**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



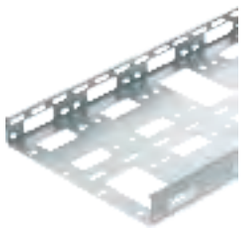


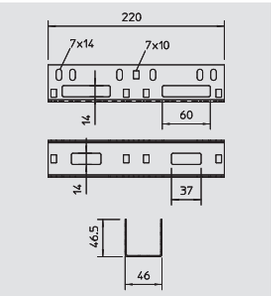
AZ channel system 300

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 300 FS	300	1.5	3,000		359.300	**6075 37 0**
AZK 300 FT	300	1.5	3,000		381.000	**6075 37 5**

St Steel FS Strip-galvanised FT Hot-dip galvanised /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.





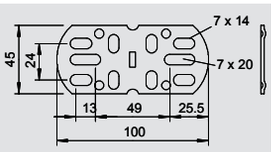
Straight connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VF AZK 50 FS		25	27.200	**6066 61 5**
VF AZK 50 DD		25	27.200	**6066 62 3**

St Steel FS Strip-galvanised DD Zinc-aluminium coated, double-dip /pc.

Straight connector for connection of luminaire support channels and AZ channels.
An adjustable connector can be created using two straight and angle connectors.





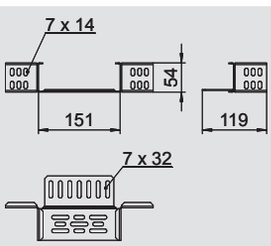
Straight and angle connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VF AZK FT		25	7.500	**6066 55 0**

St Steel FT Hot-dip galvanised /pc.

Straight and angle connector for connection of AZ channels.
An adjustable connector can be created using two straight and angle connectors. Scope of delivery includes bolts with flange nut.





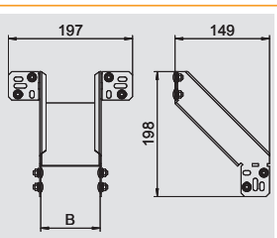
Add-on tee

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZK AA 150 FT SO	46		12	34.700	**7195 55 3**

St Steel FT SO Hot-dip galvanised 85 µm /pc.

Add-on tee for the use in combination with AZ small ducts.





90° vertical bend, falling

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZK AAV100F FTSO	46		12	55.400	**7195 55 0**
AZK AAV150F FTSO	46		12	64.000	**7195 55 2**

St Steel FT SO Hot-dip galvanised 85 µm /pc.

90° vertical bend, falling version, for the use in combination with AZ small ducts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable protection ring



Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-915 PE	Light grey	28 x 58		25	0.500	**6066 70 4**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.



Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.



Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-920 PE	Light grey	62 x 62		25	0.680	**6066 69 6**

PE Polyethylene /pc.

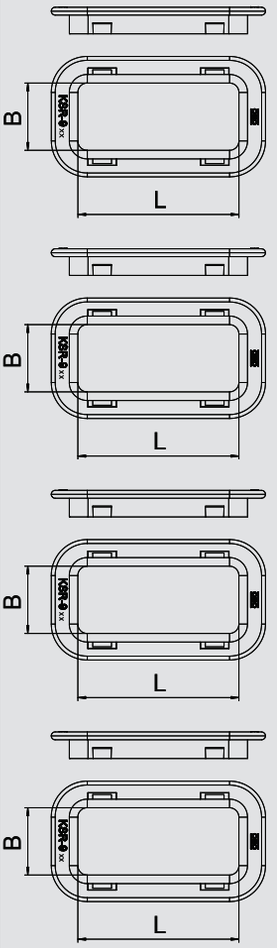
Cable protection ring for bottom perforation in AZ channels and luminaire support channels.



Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-925 PE	Light grey	105 x 62		25	0.920	**6066 68 8**

PE Polyethylene /pc.

Cable protection ring for bottom perforations in AZ channels and luminaire support channels.



Cover

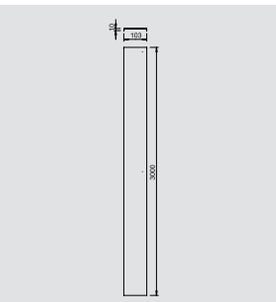


Type	Width mm	Length mm		Weight kg/100 m	Item No.
AZDU 50 DD	53	3,000		55.000	**6080 15 8**
AZDU 100 DD	103	3,000		93.300	**6080 23 9**

St Steel DD Zinc-aluminium coated, double-dip /m

Cover without turn-buckles for AZ channel.

To fasten the cover, use the cover clamp, type DKU.



Cover clamp

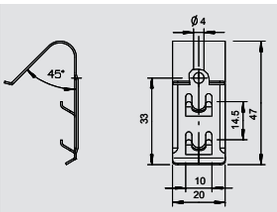


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



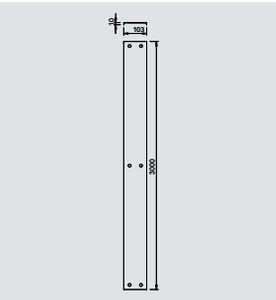
Cover incl. turn-buckle



Type	Width mm	Length mm		Weight kg/100 m	Item No.
AZDMD 50 FS	53	3,000		75.000	**6080 13 8**
AZDMD 100 FS	103	3,000		96.700	**6080 22 7**
AZDMD 150 FS	153	3,000		133.000	**6080 86 0**
AZDMD 200 FS	203	3,000		172.330	**6080 88 5**
AZDMD 300 FS	303	3,000		250.700	**6080 91 0**

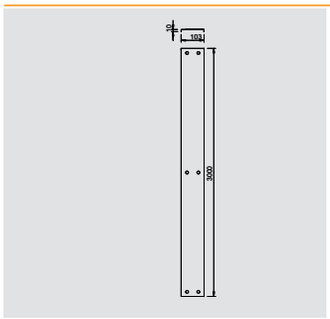
St Steel FS Strip-galvanised /m

Cover with turn-buckle for AZ channel.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

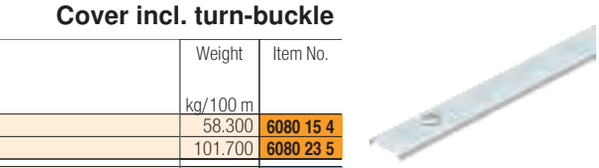


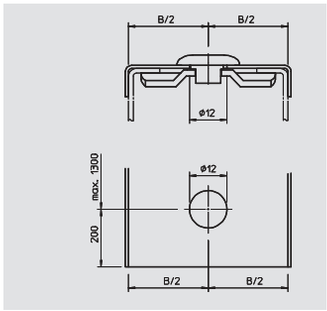
Cover incl. turn-buckle

Type	Width mm	Length mm		Weight kg/100 m	Item No.
AZDMD 50 DD	53	3,000		58.300	**6080 15 4**
AZDMD 100 DD	103	3,000		101.700	**6080 23 5**
AZDMD 150 FT	153	3,000		137.000	**6080 86 5**
AZDMD 200 FT	203	3,000		177.000	**6080 89 0**
AZDMD 300 FT	303	3,000		250.700	**6080 91 5**

St Steel FT Hot-dip galvanised DD Zinc-aluminium coated, double-dip /m

Cover with turn-buckle for AZ channel.



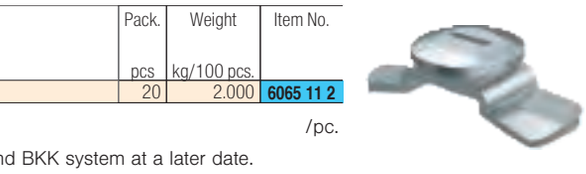


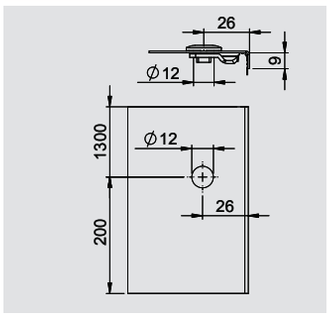
Turn buckle

Type	For width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZDR 50 FT	50		20	2.000	**6065 11 2**

St Steel FT Hot-dip galvanised /pc.

Turn-buckle for installation in the cover for AZ channel and BKK system at a later date.



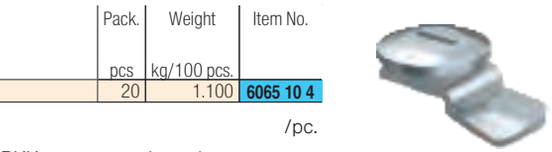


Turn buckle

Type	For width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZDR 100 FT	100		20	1.100	**6065 10 4**

St Steel FT Hot-dip galvanised /pc.

Turn-buckle for installation in the cover for AZ channel and BKK system at a later date.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Motor connection column

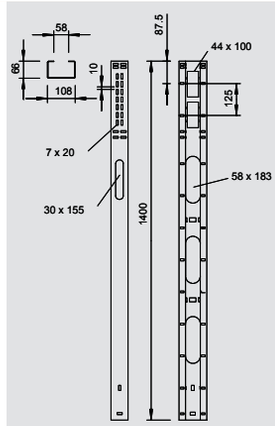


Motor connection column

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MAS 140 10 FT	1,400		1	505.000	**6356 31 1**

St Steel FT Hot-dip galvanised /pc.

Vertical motor connection column to supply electrical devices.



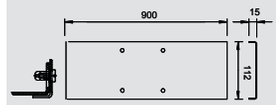


Cover for motor connection column

Type	Length mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MASD 90 FT	900		1	160.000	**6356 91 5**

St Steel FT Hot-dip galvanised /pc.

Cover with turn-buckle for motor connection column.



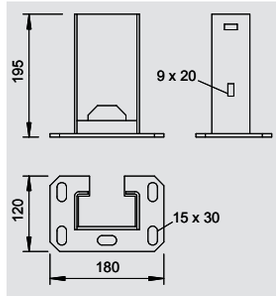


Column foot

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SF 140 11 FT		1	200.000	**6356 39 7**

St Steel FT Hot-dip galvanised /pc.

Column foot for fastening of the motor connection column.



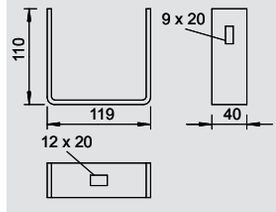


Mounting bracket

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BF 140 10 FT		25	50.000	**6356 36 2**

St Steel FT Hot-dip galvanised /pc.

Mounting bracket for side fastening of motor connection columns to bases or on the wall.



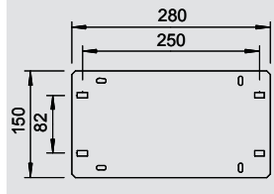


Mounting plate

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GP 15 28 FT		1	101.000	**6357 00 8**

St Steel FT Hot-dip galvanised /pc.

Mounting plate for fastening to motor connection column, type MAS 140/10.

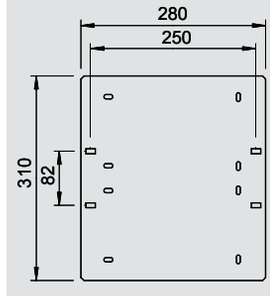




Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GP 31 28 FT		1	210.000	**6357 01 6**

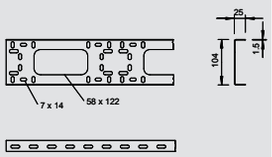
St Steel FT Hot-dip galvanised /pc.

Mounting plate for fastening to motor connection column, type MAS 140/10.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

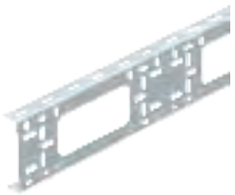


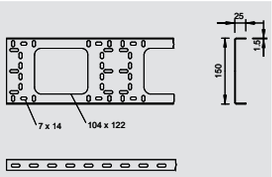
BKK basic profile, standard

Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 104 FT	1.5	104 x 25	3,000		132.600	**6070 24 8**

St Steel FT Hot-dip galvanised /m

BKK basic profile, perforated, for creation of individual cable trays.





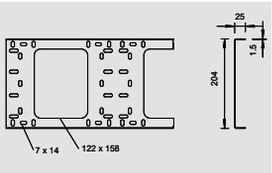
BKK basic profile, standard

Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 150 FT	1.5	150 x 25	3,000		160.300	**6070 34 5**

St Steel FT Hot-dip galvanised /m

BKK basic profile, perforated, for creation of individual cable trays.



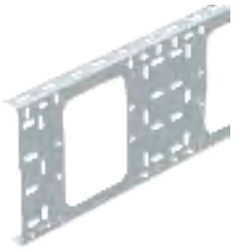


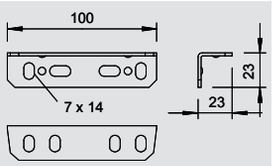
BKK basic profile, standard

Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 200 FT	1.5	200 x 25	3,000		229.000	**6070 44 2**

St Steel FT Hot-dip galvanised /m

BKK basic profile, perforated, for creation of individual cable trays.





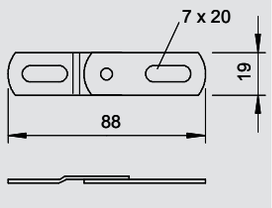
Joint connector

Type	Plate thickness mm	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SSV FT	2	23 x 23 x 100		25	8.700	**6066 04 6**

St Steel FT Hot-dip galvanised /pc.

Joint connector for horizontal connection of BKK basic profiles.
Including appropriate fastening material.





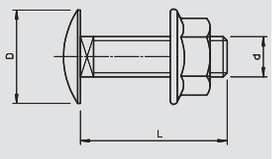
Adjustable connector

Type	Plate thickness mm	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV DD	2	86 x 23		50	3.300	**6066 94 1**

St Steel DD Zinc-aluminium coated, double-dip /pc.

Adjustable connector for vertical bend connections of BKK systems.
Including appropriate fastening material.



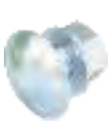


Truss-head bolt

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 F	M6 x 12	12	6	13.5		100	0.990	**6406 12 2**
FRSB 6X15 F	M6 x 15	15	6	13.5		100	0.800	**6406 15 7**
FRSB 6X20 F	M6 x 20	20	6	13.5		100	1.000	**6406 20 3**

St Steel F Hot-dip galvanised /100 pc.

Truss-head bolt with square neck including flange nut.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Stainless steel systems

	Stainless steel components, grade 304	Support Bracket Profile rails Angle profiles Bolts Anchors	405 411
		Cable trays	418
		Mesh cable trays	428
		C mesh cable trays	435
		Cable ladders	437
		Wide span cable ladders	444
		Vertical cable ladders	447
		AZ channel	450
		BKK basic profile	452

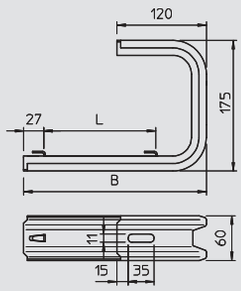
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



TP wall and ceiling bracket

Type	Width mm	For width mm	F in kN Wall kN	F in ceiling kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPDG 145 VA4301	145	100	1.4	1.3	6	53.000	**6365 98 9**
TPDG 195 VA4301	195	150	1.05	0.95	6	60.000	**6365 99 1**
TPDG 245 VA4301	245	200	0.87	0.8	5	67.000	**6365 99 3**
TPDG 345 VA4301	345	300	0.55	0.5	5	81.000	**6365 99 5**

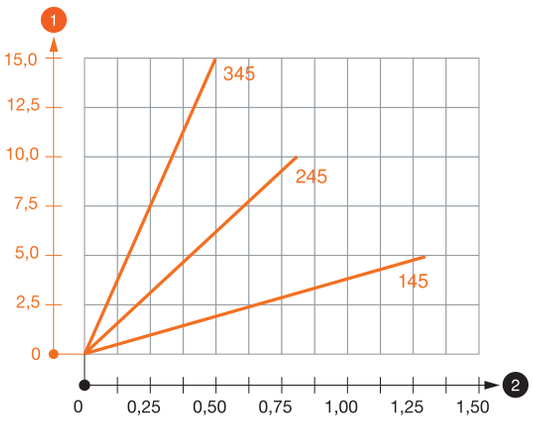
V2A Stainless steel, grade 304 /pc.



TP wall and ceiling bracket with clamping lugs for screwless mesh cable tray fastening.

Important! If the ceiling bracket is fastened directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.
Max. side height of the cable support system 60 mm.

Load diagram, ceiling bracket TPDG



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TPDG wall and ceiling bracket

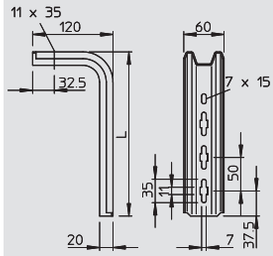
Max. total load F = cable weight + cable tray + ceiling bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25.



TP support

Type	Length mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPS 445 VA4301	445	1.05	15	72.000	**6364 84 8**
TPS 545 VA4301	545	0.8	15	85.000	**6364 85 0**
TPS 645 VA4301	645	0.61	15	99.000	**6364 85 2**

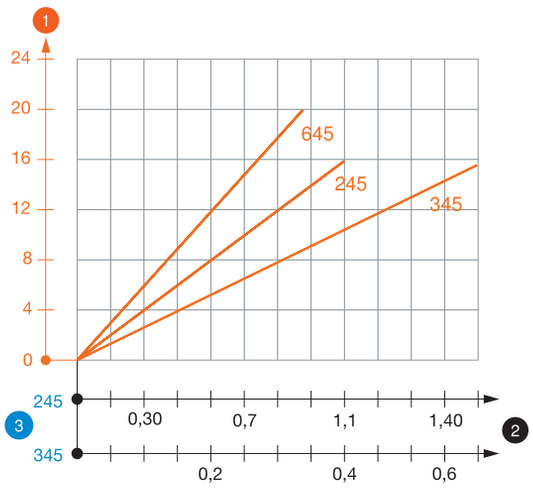
V2A Stainless steel, grade 304 /pc.



TP support for fastening to horizontal concrete ceilings.

If the profile is fastened directly to the ceiling or the profile is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4.
Important: only use brackets of length 345 mm or less.

Load diagram, TP supports, type TPS



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

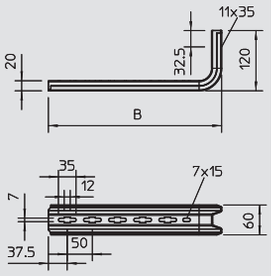
Characteristic anchor load values for TP suspended support

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 17 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

TP support / wall and support bracket





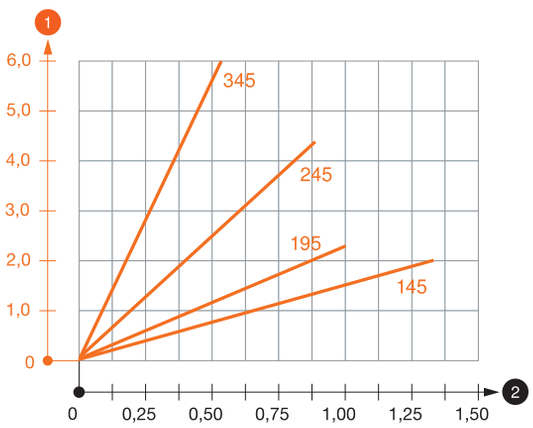
Type	Width mm	For width mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSA 145 VA4301	145	100	1.5		50	32.000	**6364 87 1**
TPSA 245 VA4301	245	200	0.9		20	45.000	**6364 87 6**
TPSA 345 VA4301	345	300	0.55		20	59.000	**6364 88 1**

V2A Stainless steel, grade 304 /pc.

TP support/bracket for fastening to horizontal concrete ceilings and walls.

If the profile is fastened directly to the ceiling or the profile is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4.

Load diagram, bracket TPSA

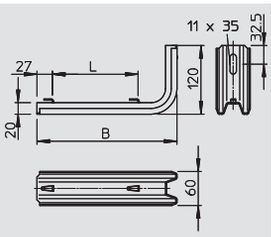


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TP bracket

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

TP support / wall and support bracket





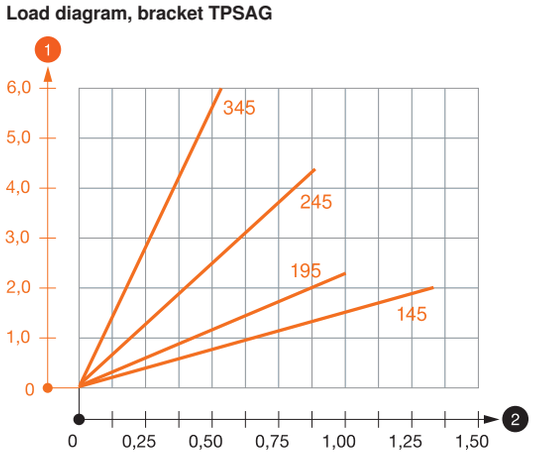
Type	Width mm	For width mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPSAG 145 VA4301	145	100	1.5		50	32.000	**6366 14 5**
TPSAG 195 VA4301	195	150	1		20	40.000	**6366 14 6**
TPSAG 245 VA4301	245	200	0.9		20	47.000	**6366 14 8**
TPSAG 345 VA4301	345	300	0.55		20	61.000	**6366 14 9**

V2A Stainless steel, grade 304 /pc.

TP bracket with clamping lugs for screwless mesh cable tray fastening.

If the bracket is fastened directly to the wall or the profiles are screwed together, then, for reasons of stability, always use the spacer, type DS 4.

Load diagram, bracket TPSAG



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for TP bracket

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



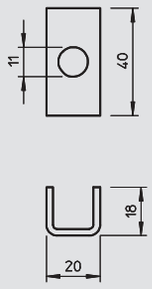
Spacer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DS 4 VA4301		20	3.700	**6416 59 4**

V2A Stainless steel, grade 304 /pc.

Spacer for use in profiles, type TP.

For static reasons, the spacer is always used to prevent the profile from deforming when the fastening bolts are tightened.





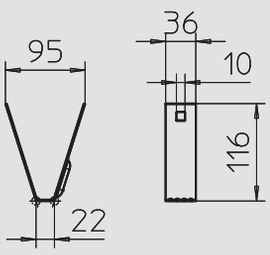
Ceiling bracket, trapezoidal

Type	Material thickness mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPB 100 VA4301	1.5	0.8		50	9.900	**6357 51 6**

V2A Stainless steel, grade 304 /pc.

Ceiling bracket for fastening to standard trapezoidal ceilings.

Important: Observe the statics of the trapezoidal metal ceiling.





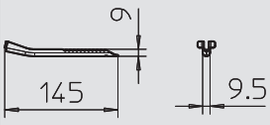
Bolt for trapezoidal ceiling bracket

Type	Material thickness mm	Breaking load kN		Pack. pcs	Weight kg/100 pcs.	Item No.
TPB R VA4301	1.5	0.8		50	3.700	**6357 53 8**

V2A Stainless steel, grade 304 /pc.

Bolt for fastening and securing the ceiling bracket to trapezoidal ceilings.

Important: Observe the statics of the trapezoidal metal ceiling.



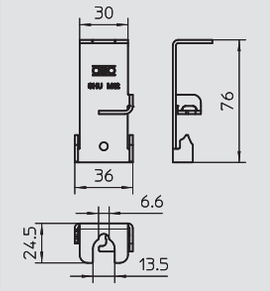


Side holder, universal

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SHU M12 VA4301		50	5.100	**6015 32 6**

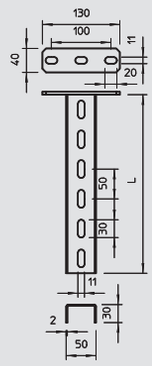
V2A Stainless steel, grade 304 /pc.

Side holder to fasten cable trays, mesh cable trays and cable ladders to walls or ceilings using a threaded rod.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 3 support



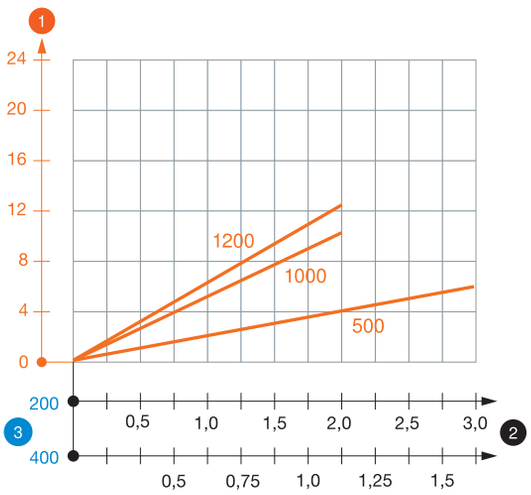
Type	Length	Material thickness	Bracket length 200	Bracket length 400	Pack.	Weight	Item No.
	mm	mm	kN	kN	pcs	kg/100 pcs.	
US 3 K 20VA4301	200	2	2.7	1.5	1	44.000	**6342 40 1**
US 3 K 30VA4301	300	2	2.7	1.5	1	58.000	**6342 40 3**
US 3 K 40VA4301	400	2	2.7	1.5	1	71.000	**6342 40 5**
US 3 K 50VA4301	500	2	2.7	1.5	1	84.000	**6342 40 7**
US 3 K 60VA4301	600	2	2.1	1.1	1	97.000	**6342 40 9**
US 3 K 70VA4301	700	2	2.1	1.1	1	110.000	**6342 41 1**
US 3 K 80VA4301	800	2	2.1	1.1	1	123.000	**6342 41 3**
US 3 K 90VA4301	900	2	2.1	1.1	1	137.000	**6342 41 5**
US 3 K 100VA4301	1,000	2	2.1	1.1	1	150.000	**6342 41 7**

V2A Stainless steel, grade 304 Stained /pc.

Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. In the case of bracket mounting on both sides, or when mounting the bracket at the end of the suspended support, use the spacer of type DSK 25.

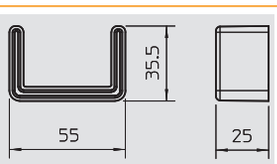
Load diagram, U support, type US 3 K



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 3 K suspended support

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).



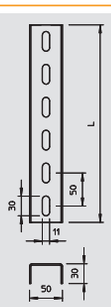
End cap



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 3 KS OR	Pastel orange		20	1.070	**6338 45 8**

PE Polyethylene /pc.

End cap to cover the ends of US 3 supports.



US 3 support



Type	Length	Material thickness		Pack.	Weight	Item No.
	mm	mm		pcs	kg/100 pcs.	
US 3 30 VA4301	300	2		1	40.000	**6342 45 5**
US 3 50 VA4301	500	2		1	66.000	**6342 45 7**
US 3 100 VA4301	1,000	2		1	132.000	**6342 46 0**
US 3 150 VA4301	1,500	2		1	198.000	**6342 46 3**
US 3 200 VA4301	2,000	2		1	263.000	**6342 46 6**
US 3 600 VA4301	6,000	2		1	790.000	**6342 46 8**

V2A Stainless steel, grade 304 Stained /pc.

U support in fixed lengths. Dimensions 30 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

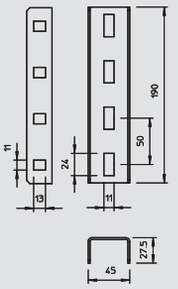
U support connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 3 VA4301		10	25.600	**6018 51 7**

V2A Stainless steel, grade 304 Stained /pc.

U support connector to connect US 3 supports.
Including appropriate fastening material.



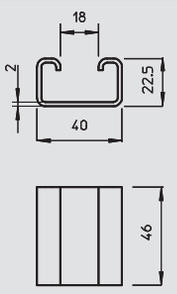
Spacer



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 25 VA4301		25	7.500	**6416 44 8**

V2A Stainless steel, grade 304 Stained /pc.

Spacer for use in U 3 supports.



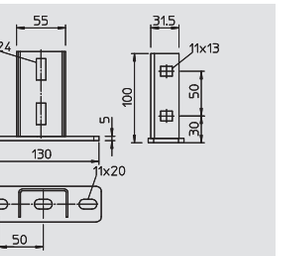
Head plate



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 VA4301		10	41.000	**6348 87 6**

V2A Stainless steel, grade 304 Stained /pc.

Head plate for mounting on US 3 supports.
The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.



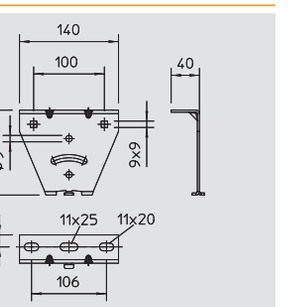
Head plate, variable



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 V VA4301		20	26.700	**6348 88 4**

V2A Stainless steel, grade 304 Stained /pc.

Head plate for installation on US 3 supports and profile rails, type 2068.
The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type 2068.



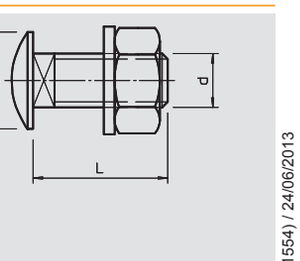
Truss-head bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X25 VA4301	M10 x 25	25	10	24	50	4.500	**6406 71 8**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



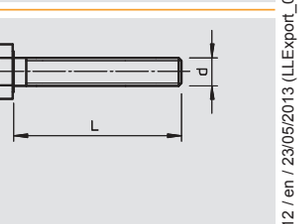
Hexagonal bolt



Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 VA4401	1.44	M10 x 80	80	10	17	20	7.800	**6418 24 8**

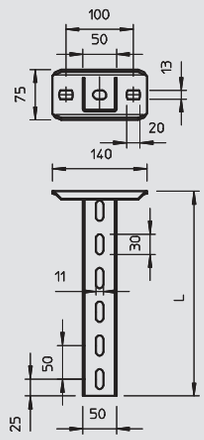
V4A Stainless steel, grade 316 /100 pc.

Hexagonal bolt for universal fastening of construction components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 5 support

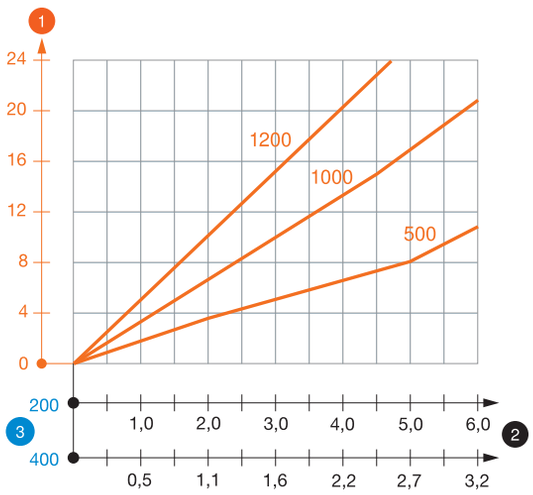


Type	Length	Material thickness	Bracket length 200	Bracket length 400	Pack.	Weight	Item No.
	mm	mm	kN	kN	pcs	kg/100 pcs.	
US 5 K 20 VA4301	200	2.5	5.75	3.1	1	100.000	**6341 35 8**
US 5 K 30 VA4301	300	2.5	5.75	3.1	1	125.000	**6341 36 2**
US 5 K 40 VA4301	400	2.5	5.75	3.1	1	150.000	**6341 36 6**
US 5 K 50 VA4301	500	2.5	5.75	3.1	1	175.000	**6341 37 0**
US 5 K 60 VA4301	600	2.5	5.75	3.1	1	200.000	**6341 37 4**
US 5 K 70 VA4301	700	2.5	5.75	3.1	1	225.000	**6341 37 8**
US 5 K 80 VA4301	800	2.5	5.75	3.1	1	255.000	**6341 38 2**
US 5 K 90 VA4301	900	2.5	5.75	3.1	1	280.000	**6341 38 6**
US 5 K 100VA4301	1,000	2.5	5.75	3.1	1	300.000	**6341 39 0**
US 5 K 110VA4301	1,100	2.5	4	2.2	1	330.000	**6341 39 4**
US 5 K 120VA4301	1,200	2.5	4	2.2	1	360.000	**6341 39 8**

V2A Stainless steel, grade 304 Stained /pc.

U support with welded head plate.
For fastening to horizontal concrete ceilings and steel girders.
In the case of bracket installation on both sides, or when installing the bracket at the end of the support, use the spacer of type DSK 45.

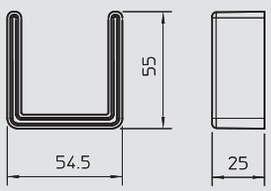
Load diagram, U support, type US 5 K VA



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 5 K support

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



End cap



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 5 KS OR	Pastel orange		20	1.300	**6338 46 2**

PE Polyethylene /pc.

End cap to cover the ends of US 5 supports.



US 5 support



Type	Length	Material thickness		Pack.	Weight	Item No.
	mm	mm		pcs	kg/100 pcs.	
US 5 20 VA4301	200	2.5		1	48.000	**6341 10 1**
US 5 30 VA4301	300	2.5		1	72.000	**6341 10 5**
US 5 40 VA4301	400	2.5		1	97.000	**6341 10 9**
US 5 50 VA4301	500	2.5		1	121.000	**6341 11 3**
US 5 70 VA4301	700	2.5		1	169.000	**6341 12 1**
US 5 80 VA4301	800	2.5		1	193.000	**6341 12 5**
US 5 90 VA4301	900	2.5		1	217.000	**6341 12 9**
US 5 100 VA4301	1,000	2.5		1	242.000	**6341 13 3**
US 5 110 VA4301	1,100	2.5		1	266.000	**6341 13 7**
US 5 120 VA4301	1,200	2.5		1	290.000	**6341 14 1**
US 5 300 VA4301	3,000	2.5		1	726.000	**6341 15 2**

V2A Stainless steel, grade 304 /pc.

U support in fixed lengths. Dimensions 50 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Spacer

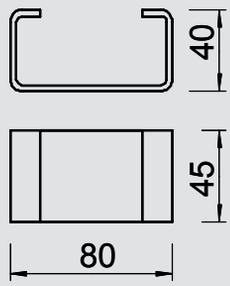


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 VA4301		25	15.000	**6416 48 9**

V2A Stainless steel, grade 304 /pc.

Spacer for use in U 5 supports.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the throughout hexagonal bolt.



Head plate

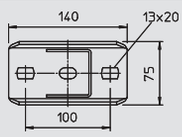


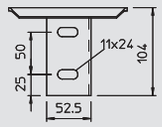
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 5 NOK VA4301		10	61.000	**6348 94 7**

V2A Stainless steel, grade 304 Stained /pc.

Head plate for installation in US 5 support.

When installing the head plate, please use the spacer, type DSK 45.





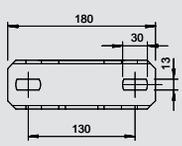
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 5 V VA4301		4	81.000	**6348 92 5**

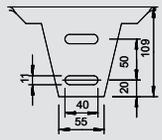


V2A Stainless steel, grade 304 /pc.

Variable head plate for installation on US 5 support.

The spacer, type DSK 47, is used to install the head plate.





Spacer

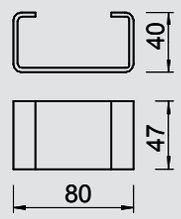


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 47 VA4301		25	16.000	**6416 50 7**

V2A Stainless steel, grade 304 /pc.

Spacer for use in head plate, type KU 5 V.

For static reasons, the spacer is always used to increase stability to prevent the head plate from deforming when the bolts are tightened.



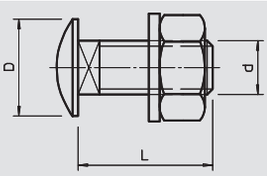
Truss-head bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X25 VA4301	M10 x 25	25	10	24		50	4.500	**6406 71 8**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



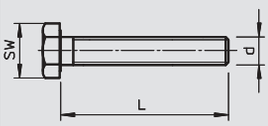
Hexagonal bolt



Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 VA4401	1.44	M10 x 80	80	10	17		20	7.800	**6418 24 8**

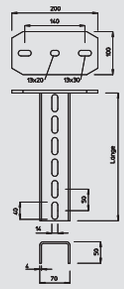
V4A Stainless steel, grade 316 /100 pc.

Hexagonal bolt for universal fastening of construction components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 7 support

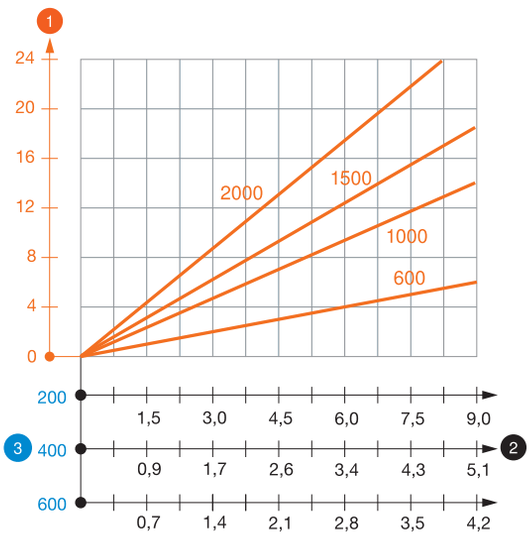
Type	Length	Material thickness	Bracket length 200	Bracket length 400	Bracket length 600	Pack.	Weight	Item No.
	mm	mm	kN	kN	kN	pcs	kg/100 pcs.	
US 7 K 20 VA4301	200	4	8.3	5	3.5	1	173.000	**6338 60 7**
US 7 K 30 VA4301	300	4	8.3	5	3.5	1	213.000	**6338 61 5**
US 7 K 40 VA4301	400	4	8.3	5	3.5	1	253.000	**6338 62 3**
US 7 K 50 VA4301	500	4	8.3	5	3.5	1	293.000	**6338 63 1**
US 7 K 60 VA4301	600	4	8.3	5	3.5	1	332.000	**6338 65 8**
US 7 K 70 VA4301	700	4	8.3	5	3.5	1	372.000	**6338 66 6**
US 7 K 80 VA4301	800	4	8.3	5	3.5	1	412.000	**6338 67 4**
US 7 K 90 VA4301	900	4	8.3	5	3.5	1	452.000	**6338 68 2**
US 7 K 100VA4301	1,000	4	8.3	5	3.5	1	491.000	**6338 69 0**
US 7 K 110VA4301	1,100	4	8.3	5	3.5	1	531.000	**6338 70 4**
US 7 K 120VA4301	1,200	4	8.3	5	3.5	1	571.000	**6338 71 2**
US 7 K 140VA4301	1,400	4	8.3	5	3.5	1	650.000	**6338 73 9**
US 7 K 150VA4301	1,500	4	8.3	5	3.5	1	690.000	**6338 74 7**
US 7 K 200VA4301	2,000	4	7.5	4.2	2.9	1	889.000	**6338 80 1**

V2A Stainless steel, grade 304 Stained /pc.



U support with welded head plate.
For fastening to horizontal concrete ceilings and steel girders.
In the case of bracket installation on both sides, or when installing the bracket at the end of the support, use the spacer of type DSK 61.

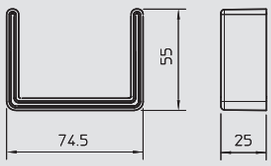
Load diagram, U support, type US 7 K VA



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for U support, type US 7 K

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 14 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



End cap

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 7 KS OR	Pastel orange		20	1.800	**6338 49 7**

PE Polyethylene /pc.



End cap to cover the ends of US 7 supports.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

US 7 support

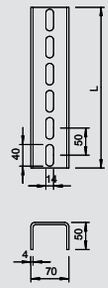


Type	Length mm	Material thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
US 7 50 VA4301	500	4		1	200.000	**6341 76 4**
US 7 100 VA4301	1,000	4		1	397.000	**6341 81 0**
US 7 150 VA4301	1,500	4		1	596.000	**6341 86 1**
US 7 200 VA4301	2,000	4		1	795.000	**6341 95 0**
US 7 300 VA4301	3,000	4		1	1,192.000	**6341 96 9**
US 7 600 VA4301	6,000	4		1	2,384.000	**6341 99 3**

V2A Stainless steel, grade 304 /pc.

U support in fixed lengths. Dimensions 70 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.



U support connector

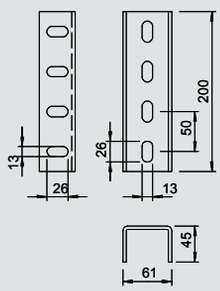


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 7 VA4301		10	110.000	**6018 40 8**

V2A Stainless steel, grade 304 /pc.

U support connector to connect US 7 supports.

Including appropriate fastening material.



Spacer

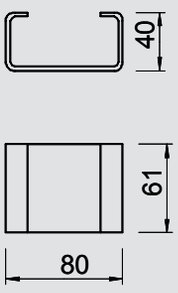


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 61 VA4301		20	25.000	**6416 52 7**

V2A Stainless steel, grade 304 /pc.

Spacer for use in U 7 supports.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the throughout hexagonal bolts.



Head plate, heavy-duty

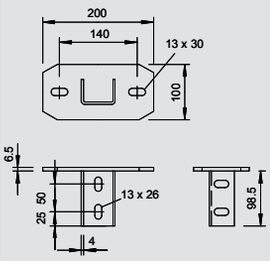


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KUS 7 VA4301		10	140.000	**6349 27 7**

V2A Stainless steel, grade 304 Stained /pc.

Heavy-duty head plate for installation in US 7 supports.

Please order fastening material (two truss-head bolts FRS 12 x 25) separately.



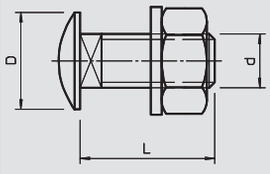
Truss-head bolt



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 12X25 VA4301	M12 x 25	25	12	30		25	6.400	**6406 75 0**

V2A Stainless steel, grade 304 /100 pc.

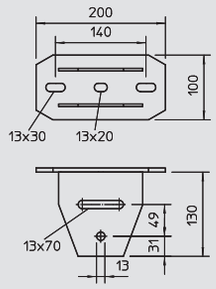
Truss-head bolt with square neck including washer and hexagonal nut.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Head plate, variable



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 7 VQP VA4301		1	180.000	**6349 19 6**

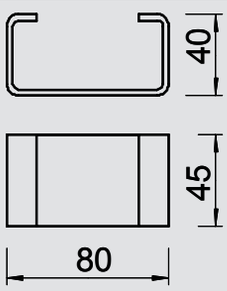
V2A Stainless steel, grade 304 Stained /pc.

Variable head plate for installation on US 7 support.

Please order fastening material (two hexagonal bolts SKS 12 x 100 and spacer DSK 45) separately.



Spacer



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 VA4301		25	15.000	**6416 48 9**

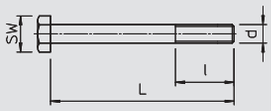
V2A Stainless steel, grade 304 /pc.

Spacer for use in U 5 supports.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the throughout hexagonal bolt.



Hexagonal bolt



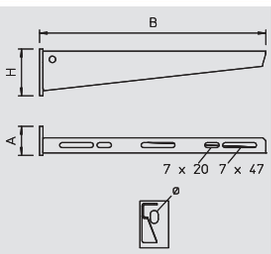
Type	Grade	Dimension mm	Dimension L mm	Dimension l mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 12X80 VA4301	1.43	M12 x 80	80	30	12	19	20	11.800	**6418 27 9**
SKS 12X100VA4301	1.43	M12 x 100	100	30	12	19	20	12.000	**6418 36 8**
SKS 12X110VA4301	1.43	M12 x 110	110	30	12	19	20	14.500	**6418 37 6**

V2A Stainless steel, grade 304 /100 pc.

Hexagonal bolts for universal fixing of structure components.



Wall and support bracket AW 15



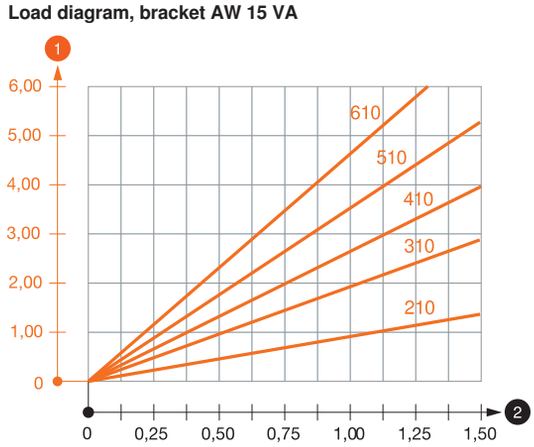
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW 15 11 VA4301	110	50	40	11	1.5	30	14.100	**6421 00 8**
AW 15 21 VA4301	210	60	40	11	1.5	30	25.600	**6421 02 4**
AW 15 31 VA4301	310	65	40	11	1.5	30	32.500	**6421 03 2**
AW 15 41 VA4301	410	70	40	11	1.5	30	55.000	**6421 03 6**
AW 15 51 VA4301	510	75	40	11	1.5	20	68.000	**6421 04 0**
AW 15 61 VA4301	610	80	40	11	1.5	20	85.000	**6421 04 4**

V2A Stainless steel, grade 304 Stained /pc.

Light-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket AW 15 VA



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 15

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



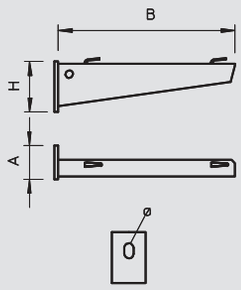
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Wall and support bracket AWG 15

Type	Width	Dimension H	Dimension A	Hole Ø	F in kN		Pack.	Weight	Item No.
	mm	mm	mm	mm	kN		pcs	kg/100 pcs.	
AWG 15 11VA4301	110	50	40	11	1.5		30	13.000	**6420 62 5**
AWG 15 21VA4301	210	60	40	11	1.5		30	25.000	**6420 62 8**
AWG 15 31VA4301	310	65	40	11	1.5		30	33.000	**6420 63 1**
AWG 15 41VA4301	410	70	40	11	1.5		30	53.000	**6420 63 4**
AWG 15 51VA4301	510	75	40	11	1.5		20	65.000	**6420 63 7**
AWG 15 61VA4301	610	80	40	11	1.5		20	80.000	**6420 64 0**

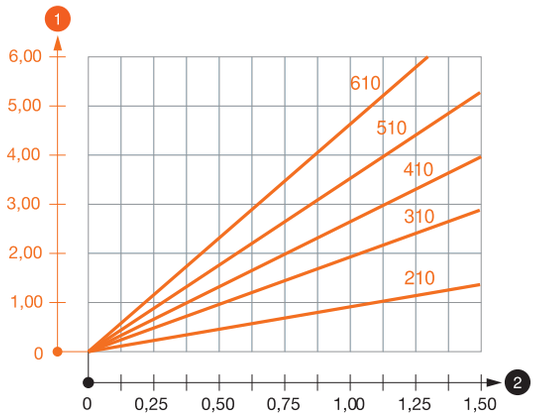
V2A Stainless steel, grade 304 Stained /pc.



Light-duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket type AW G 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

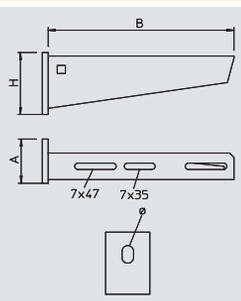
Characteristic anchor load values for wall and support bracket AW G 15

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Wall and support bracket AW 30

Type	Width	Dimension H	Dimension A	Hole Ø	F in kN		Pack.	Weight	Item No.
	mm	mm	mm	mm	kN		pcs	kg/100 pcs.	
AW 30 11 VA4301	110	60	50	11	3		1	21.200	**6442 80 3**
AW 30 21 VA4301	210	70	50	13	3		1	38.200	**6442 83 8**
AW 30 31 VA4301	310	80	50	13	3		1	61.000	**6442 85 4**
AW 30 41 VA4301	410	80	50	13	3		1	86.000	**6442 87 0**
AW 30 51 VA4301	510	90	50	13	3		1	126.000	**6442 89 7**
AW 30 61 VA4301	610	100	50	13	3		1	154.000	**6442 91 9**

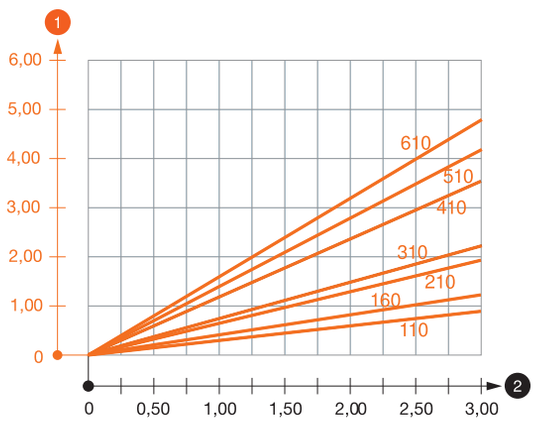
V2A Stainless steel, grade 304 Stained /pc.



Medium-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket AW 30 VA



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

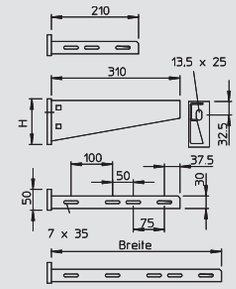
Characteristic anchor load values for wall and support bracket AW 30

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Wall and support bracket AW 55





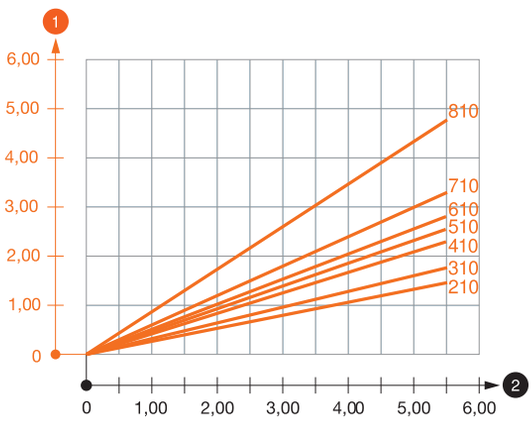
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW 55 21 VA4301	210	90	50	13.5	5.5		1	77.000	**6443 06 3**
AW 55 31 VA4301	310	110	50	13.5	5.5		1	123.000	**6443 06 7**
AW 55 41 VA4301	410	130	50	13.5	5.5		1	167.000	**6443 07 1**
AW 55 51 VA4301	510	145	60	13.5	5.5		1	249.000	**6443 07 5**
AW 55 61 VA4301	610	165	60	13.5	5.5		1	305.000	**6443 07 9**
AW 55 71 VA4301	710	195	60	13.5	5.5		1	415.000	**6443 08 3**

V2A Stainless steel, grade 304 Stained /pc.

Heavy-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket, type AW 55

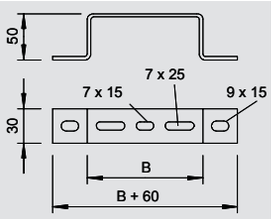


1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 55

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Stand-off bracket



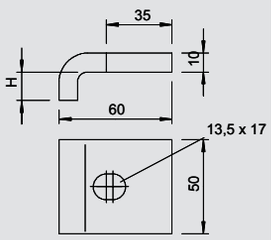


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBL 50 100VA4401	100		20	15.800	**6015 63 0**
DBL 50 200VA4401	200		20	22.800	**6015 63 2**
DBL 50 300VA4401	300		20	38.000	**6015 63 3**
DBL 50 400VA4401	400		20	47.400	**6015 63 4**

V4A Stainless steel, grade 316 /pc.

Stand-off bracket for cable trays and mesh cable trays.

Clamping angle



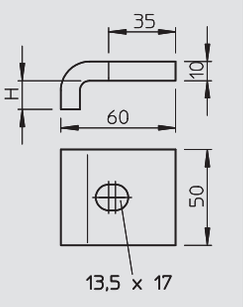


Type	Height mm	F in kN kN	Bolt		Pack. pair	Weight kg/100 pairs	Item No.
KWH 5 VA4301	5	5.7	M12 x 40		10	65.000	**6355 30 7**
KWH 10 VA4301	10	5.7	M12 x 50		10	69.000	**6355 31 5**
KWH 15 VA4301	15	5.7	M12 x 50		10	73.000	**6355 32 3**
KWH 20 VA4301	20	5.7	M12 x 60		10	79.000	**6355 33 1**
KWH 25 VA4301	25	5.7	M12 x 60		10	83.000	**6355 35 8**

V2A Stainless steel, grade 304 /pair

Clamping angle, with hammer-head bolt, type KWH, for fixing in the profile rail, type CPS 5.

Choose the clamping angle according to the thickness of the flange.
The clamping angle is used in conjunction with profile rails of slot width 22 mm (e.g. type CPS 5).





Type	Height mm	F in kN kN	Bolt		Pack. pair	Weight kg/100 pairs	Item No.
KWS 5 VA4301	5	5.7	M12 x 40		10	69.000	**6355 40 4**
KWS 10 VA4301	10	5.7	M12 x 50		10	69.000	**6355 41 2**
KWS 15 VA4301	15	5.7	M12 x 50		10	73.000	**6355 42 0**
KWS 20 VA4301	20	5.7	M12 x 60		10	79.000	**6355 43 9**
KWS 25 VA4301	25	5.7	M12 x 60		10	83.000	**6355 44 7**

V2A Stainless steel, grade 304 /pair

Clamping angle, with hexagonal bolt, type KWS, for direct fixing of constructions to steel girder flanges.

Choose the clamping angle according to the thickness of the flange.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

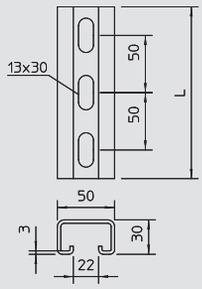
Profile rail, slot 22 mm



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
CPS 5 L 2M VA	Perforated	50 x 30	3	2,000		2	282.500	**1121 48 0**
CPS 5 L 6M VA	Perforated	50 x 30	3	6,000		6	282.500	**1121 49 9**

V2A Stainless steel, grade 304 /100 m

Heavy-duty profile rail with continuous perforation, slot width 22 mm.



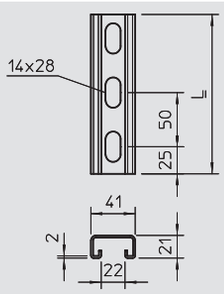
Mounting rail, MS 21 V2A



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 L 3M V2A	Perforated	41x21	2	3,000		3	141.900	**1122 92 8**
MS 21 L 6M V2A	Perforated	41x21	2	6,000		6	141.900	**1122 92 9**

V2A Stainless steel, grade 304 /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm.



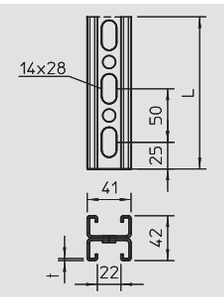
Mounting rail, MS 21, double version, V2A



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 21 D L3M 2V2A	Perforated	41x42	2	3,000		3	283.800	**1122 95 2**
MS 21 D L6M 2V2A	Perforated	41x42	2	6,000		6	283.800	**1122 95 4**

V2A Stainless steel, grade 304 /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e two profile rails are interconnected on the base (welded).



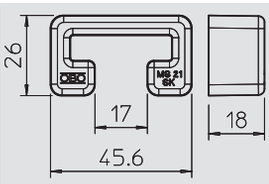
Protective cap for profile rail



Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
MS 21 SK OR SP	Pastel orange		25	0.650	**1122 90 2**

PE Polyethylene /100 pc.

Protective caps for profile rail, types MS 21.



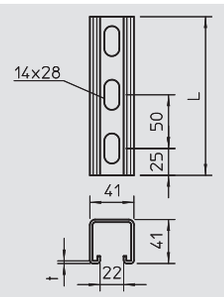
Mounting rail, MS 41 V2A



Type	Version	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 L 1M 2 V2A	Perforated	41x41	2	1,000		1	201.100	**1122 97 8**
MS 41 L 3M 2 V2A	Perforated	41x41	2	3,000		3	201.100	**1122 98 0**
MS 41 L 6M 2 V2A	Perforated	41x41	2	6,000		6	201.100	**1122 98 2**

V2A Stainless steel, grade 304 /100 m

Heavy-duty profile rail with continuous perforation in base, slot width 22 mm.



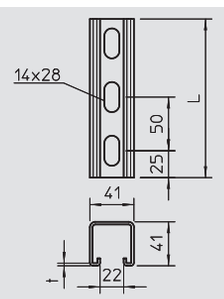
Mounting rail, MS 41 V2A



Type	Version	Inter-face	Dimension W x H mm	Material thickness mm	Length mm		Pack. m	Weight kg/100 m	Item No.
MS 41 LS1M 2 V2A	Perforated	–	41x41	2	1,000		1	179.400	**1123 01 4**
MS 41 LS3M 2 V2A	Perforated	–	41x41	2	3,000		3	179.400	**1123 01 6**
MS 41 LS6M 2 V2A	Perforated	–	41x41	2	6,000		6	179.400	**1123 01 8**

V2A Stainless steel, grade 304 /100 m

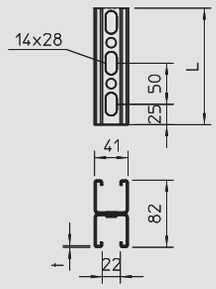
Heavy-duty profile rail with continuous, three-sided perforation, slot width 22 mm.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Mounting rail, MS 41, double version, V2A



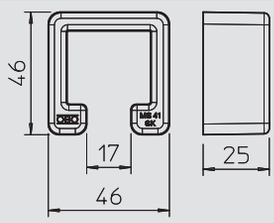
Type	Version	Dimension W x H mm	Material thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
MS 41 D L3M 2V2A	Perforated	41x82	2	3,000	3	402.200	**1122 68 2**
MS 41 D L6M 2V2A	Perforated	41x82	2	6,000	6	402.200	**1122 68 4**

V2A Stainless steel, grade 304 /100 m

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e two profile rails are interconnected on the base (welded).



Protective cap for mounting rail MS41



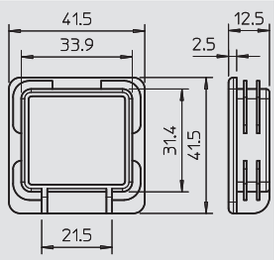
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS 41 SK OR SP	Pastel orange	25	1.320	**1122 90 0**

PE Polyethylene /100 pc.

Protective caps for profile rail, types MS 41.



End cap MS 41



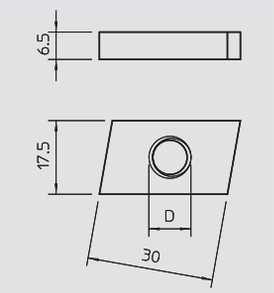
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
MS 41 EDK OR	Pastel orange	50	0.645	**1122 90 6**

PE Polyethylene /100 pc.

End cap for profile rail, type MS 41.



Slide nut

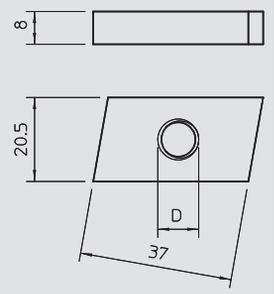


Type	Dimension D mm	Recommended load capacity kN	Pack. pcs	Weight kg/100 pcs.	Item No.
GMH18 M6 VA	6	1.94	50	2.400	**1146 55 6**
GMH18 M8 VA	8	3.57	50	2.300	**1146 55 8**
GMH18 M10 VA	10	5.7	50	2.300	**1146 56 0**
GMH18 M12 VA	12	8.32	50	2.000	**1146 56 2**

V4A Stainless steel, grade 316 /100 pc.

Slide nut for profile rails with a slot width of 18 mm.





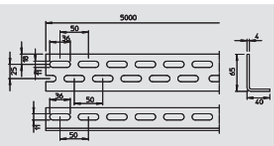
Type	Dimension D mm	Recommended load capacity kN	Pack. pcs	Weight kg/100 pcs.	Item No.
GMH22 M6 VA	6	1.94	50	4.500	**1146 64 6**
GMH22 M8 VA	8	3.57	50	4.300	**1146 64 8**
GMH22 M10 VA	10	5.7	50	4.300	**1146 65 0**
GMH22 M12 VA	12	8.32	50	4.200	**1146 65 2**

V4A Stainless steel, grade 316 /100 pc.

Slide nut for profile rails with a slot width of 22 mm. Cannot be used for the mounting rail MS21 and MS41.



Angle profile



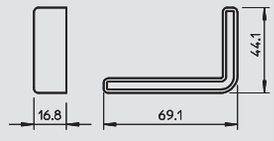
Type	Length mm	Pack. m	Weight kg/100 m	Item No.
WP 40 65 VA4301	5,000	1	240.000	**6373 06 2**

V2A Stainless steel, grade 304 /m

Angle profile, perforated on both sides, for creation of special support structures.



End cap



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
WPK SR OR	Pastel orange	20	0.600	**6372 88 1**
WPK SL OR	Pastel orange	20	0.600	**6372 89 8**

PE Polyethylene /pc.

End cap to cover the ends of angle profile, type WE 40/65.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

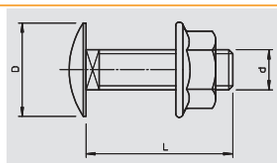
Truss-head bolt with flange nut



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 VA4301	M6 x 12	12	6	13.5	100	0.830	**6406 13 8**
FRSB 6X16 VA4301	M6 x 16	16	6	13.5	100	0.800	**6406 18 9**
FRSB 6x20 VA4301	M6 x 20	20	6	13.5	100	0.960	**6406 20 5**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including flange nut



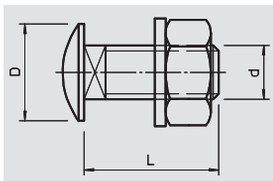
Truss-head bolt with nut and washer



Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 6X12 VA4301	M6 x 12	12	6	13.5	100	0.760	**6406 52 1**
FRS 6X16 VA4301	M6 x 16	15	6	13.5	100	0.900	**6406 55 6**
FRS 6X20 VA4301	M6 x 20	20	6	13.5	100	1.000	**6406 60 2**
FRS 8X16 VA4301	M8 x 16	16	8	20	50	2.200	**6406 69 6**
FRS 8X20 VA4301	M8 x 20	20	8	20	50	2.100	**6406 80 7**
FRS 8X25 VA4301	M8 x 25	25	8	20	50	2.300	**6406 81 5**
FRS 8X35 VA4301	M8 x 35	35	8	20	50	2.700	**6406 82 3**
FRS 10X20 VA4301	M10 x 20	20	10	24	50	3.900	**6406 86 6**
FRS 10X25 VA4301	M10 x 25	25	10	24	50	4.500	**6406 71 8**
FRS 10X30 VA4301	M10 x 30	30	10	24	50	4.500	**6406 72 6**
FRS 12X25 VA4301	M12 x 25	25	12	30	25	6.400	**6406 75 0**
FRS 12X30 VA4301	M12 x 30	30	12	30	25	6.800	**6406 76 9**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



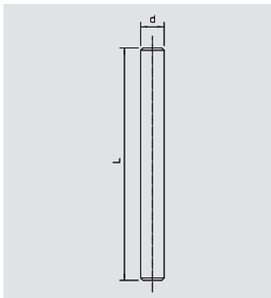
Threaded rod



Type	Thread	Dimension d mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M V2A	M8	8	1,000	50	30.000	**3141 31 0**
2078 M10 1M V2A	M10	10	1,000	25	49.000	**3141 31 2**
2078 M12 1M V2A	M12	12	1,000	20	70.000	**3141 31 4**

V2A Stainless steel, grade 304 /100 pc.

Threaded rod to DIN 976.



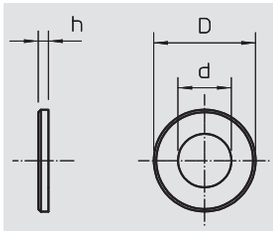
Washer



Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
966 M6 VA	M6	6.4	12	1.6	10,000	100	0.114	**3402 30 4**
966 M8 VA	M8	8.4	16	1.6	5,000	100	0.214	**3402 31 2**
966 M10 VA	M10	10.5	20	2	3,000	100	0.408	**3402 32 0**
966 M12 VA	M12	13	24	2.5	2,400	100	0.627	**3402 33 9**

V2A Stainless steel, grade 304 /100 pc.

Washer according to DIN 125, shape A, for universal use.



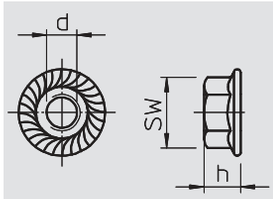
Flange nut



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4301	6	6	10	100	0.315	**6408 96 6**

V2A Stainless steel, grade 304 /100 pc.

Nut with pressed washer.



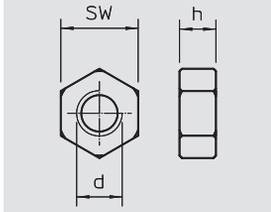
Hexagonal nut



Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DIN 934 M6 VA	6	5.2	10	100	0.250	**3397 06 8**
DIN 934 M8 VA	8	6.8	13	100	0.520	**3397 08 4**
DIN 934 M10 VA	10	8.4	17	100	1.160	**3397 10 6**
DIN 934 M12 VA	12	10.8	19	100	1.730	**3397 11 4**

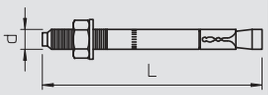
V2A Stainless steel, grade 304 /100 pc.

Hexagonal nut to DIN 934 with metric thread.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Anchor bolt

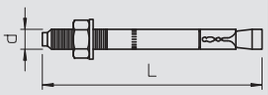


Type	Thread	Dimension L mm	Dimension d mm	Clamping range mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FAZ II 10/10GS V	M 10	95	10	10	4.3		50	7.680	**3498 82 4**
FAZ II 12/10 VA	M12	110	12	10	4.76		20	10.400	**3498 85 9**

V4A Stainless steel, grade 316 /100 pc.

Anchor bolt for fastening high loads. Matches OBO mounting systems and wall support brackets and supports.

With European technical approval no.: ETA-05/0069
GS = with large washer, external diameter approx. 2.5 x drill diameter.



Anchor bolt

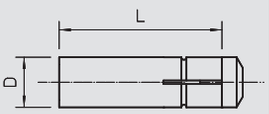


Type	Thread	Dimension L mm	Dimension d mm	Clamping range mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FAZ II 810VA4401	M8	75	8	10	2.4		50	3.720	**3498 50 9**
FAZ II 830VA4401	M8	95	8	30	2.4		50	3.800	**3498 48 7**
FAZ II 10/50 V4A	M10	135	10	50	4.3		20	8.280	**3498 83 5**

V4A Stainless steel, grade 316 Stained /100 pc.

Anchor bolt for fastening high loads. Matches OBO mounting systems and wall support brackets and supports.

With European technical approval no.: ETA-05/0069
GS = with large washer, external diameter approx. 2.5 x drill diameter.



Hammerset anchor



Type	Thread	Dimension D mm	Dimension L mm	Screw-in depth min.-max. mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FZEA II 10X40 VA	M8	10	40	11-17	1.6		100	1.550	**3492 14 5**
FZEA II 12X40 VA	M10	12	40	13-19	3		100	2.075	**3492 15 0**
FZEA II 14X40V4A	M12	14	40	15-21	3.6		50	2.750	**3492 09 7**

V4A Stainless steel, grade 316 /100 pc.

Hammerset anchor with internal thread

With European technical approval: no.: ETA-06/0271

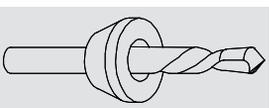
Drive-in mandrel



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
FZED 10 Plus		1	44.400	**3492 62 1**
FZED 12 Plus		1	45.000	**3492 66 4**

St Steel G Electrogalvanised /pc.

The drive-in mandrel guarantees correct, approved mounting of the FZEA tie.



Universal drill



Type	Bore hole Ø mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
FZUB 10X40	10	10		1	11.800	**3492 33 8**
FZUB 12X40	12	10		1	12.200	**3492 36 2**

St Steel Bright /pc.

The universal drill for SDS seats guarantees correct, approved mounting of the FZEA anchors.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



RKSM cable tray

Type	Width	Plate thickness	Length	Useful cross-section	Dimension x	Dimension y	Dimension t	Appr. load: 1.5 m	Appr. load: 2.0 m	Weight	Item No.
	mm	mm	mm	cm²	mm	mm	mm	kN/m	kN/m	kg/100 m	
RKSM 610 VA4301	100	0.75	3,050	58	–	50	–	0.9	0.5	134.300	**6047 61 3**
RKSM 615 VA4301	150	0.75	3,050	88	50	100	–	1	0.55	157.700	**6047 63 2**
RKSM 620 VA4301	200	0.75	3,050	118	100	150	–	1	0.55	183.000	**6047 64 0**
RKSM 630 VA4301	300	0.75	3,050	178	200	250	100	1	0.55	239.000	**6047 65 6**
RKSM 640 VA4301	400	0.9	3,050	238	300	350	200	1.35	0.8	331.300	**6047 69 1**
RKSM 650 VA4301	500	0.9	3,050	298	400	450	300	1.35	0.8	392.300	**6047 72 1**
RKSM 660 VA4301	600	0.9	3,050	358	450	550	400	1.35	0.8	453.330	**6047 73 7**

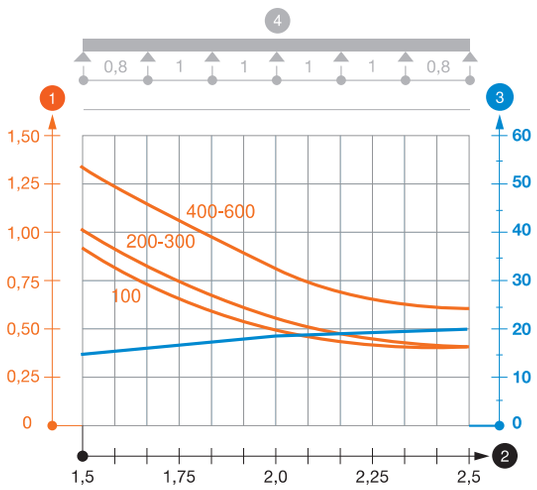
V2A Stainless steel, grade 304 /m

RKSM 60 = efficient magic cable tray system with 60 mm side height.

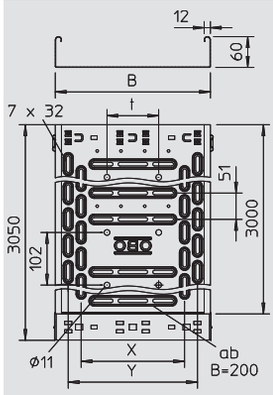
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 20 mm, for bracket mounting and, from the width 200 mm, with 7 x 32 mm transverse beading for cable ventilation and simplified mounting. With 11 mm perforation for direct threaded rod suspension. Continuous side perforation, 7 x 20 mm, as connector perforation.
The stock length is 60 mm, the usable length when combined is 60 mm.
The spring element FED 60 can be ordered separately as a accessory part (spare) for the cable tray RKS-Magic with a side height of 60 mm under the article number 6068859.
The continuous equipotential bonding is guaranteed without additional components.

Load diagram, cable tray, type RKSM 60

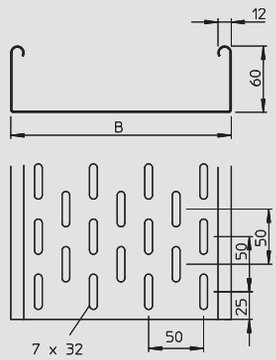


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable tray MKS

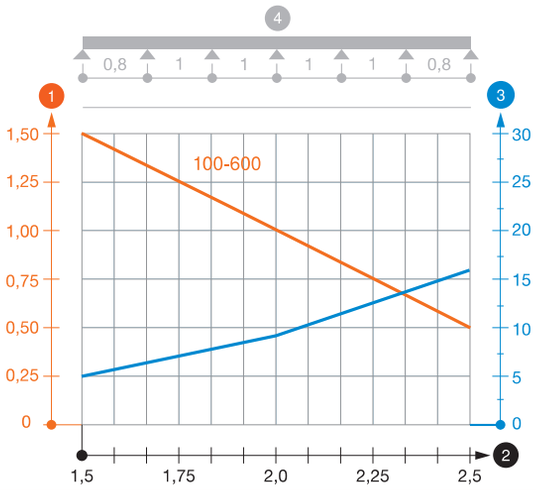
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	1.75 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
MKS 610 VA4301	100	1	3,000	58	1.5	1.25	1	0.5	173.700	**6056 01 6**
MKS 620 VA4301	200	1	3,000	118	1.5	1.25	1	0.5	239.000	**6056 02 4**
MKS 630 VA4301	300	1	3,000	178	1.5	1.25	1	0.5	305.000	**6056 04 0**
MKS 640 VA4301	400	1	3,000	238	1.5	1.25	1	0.5	402.000	**6056 05 9**
MKS 650 VA4301	500	1	3,000	298	1.5	1.25	1	0.5	450.000	**6056 07 5**
MKS 660 VA4301	600	1	3,000	358	1.5	1.25	1	0.5	528.000	**6056 08 3**

V2A Stainless steel, grade 304 /m

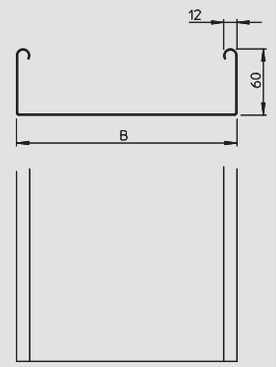


MKS 60 = Medium-duty cable tray system with a side height of 60 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Connecting parts should be ordered in the appropriate quantity.

Load diagram, cable tray MKS 60 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Cable tray MKSU

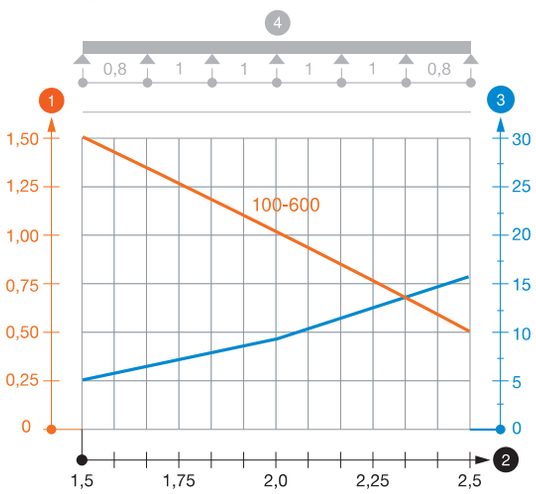
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	1.75 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
MKSU 610 VA4301	100	0.8	3,000	58	1.5	1.25	1	0.5	154.000	**6063 77 2**
MKSU 620 VA4301	200	0.8	3,000	118	1.5	1.25	1	0.5	217.000	**6063 78 0**
MKSU 630 VA4301	300	0.8	3,000	178	1.5	1.25	1	0.5	280.000	**6063 79 9**
MKSU 640 VA4301	400	1	3,000	238	1.5	1.25	1	0.5	426.000	**6063 84 5**
MKSU 650 VA4301	500	1	3,000	298	1.5	1.25	1	0.5	520.000	**6063 86 1**
MKSU 660 VA4301	600	1	3,000	358	1.5	1.25	1	0.5	601.000	**6063 88 8**

V2A Stainless steel, grade 304 /m



MKSU 60 = Medium-duty cable tray system, unperforated, with a side height of 60 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
The cable tray has connector perforations on both sides.
Connecting parts should be ordered separately and in the appropriate quantity.

Load diagram, cable tray MKSU 60 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

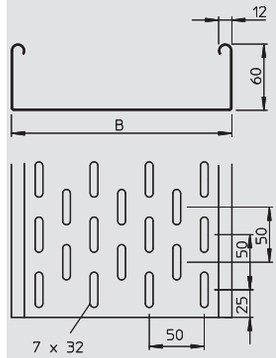
Cable tray SKS



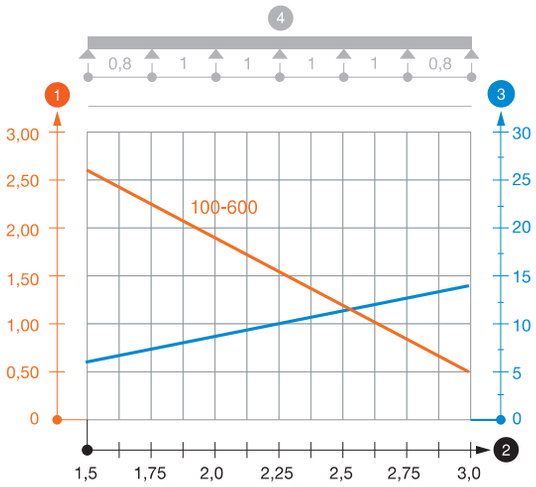
Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SKS 610 VA4301	100	1.5	3,000	58	2.65	1.8	1.15	0.5	263.300	**6056 73 5**
SKS 620 VA4301	200	1.5	3,000	118	2.65	1.8	1.15	0.5	346.670	**6056 73 7**
SKS 630 VA4301	300	1.5	3,000	178	2.65	1.8	1.15	0.5	466.700	**6056 73 9**
SKS 640 VA4301	400	1.5	3,000	238	2.65	1.8	1.15	0.5	566.700	**6056 74 2**
SKS 650 VA4301	500	1.5	3,000	298	2.65	1.8	1.15	0.5	666.700	**6056 74 4**
SKS 660 VA4301	600	1.5	3,000	358	2.65	1.8	1.15	0.5	766.700	**6056 74 6**

V2A Stainless steel, grade 304 /m

SKS 60 = Heavy-duty cable tray system with 60 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Connecting parts should be ordered in the appropriate quantity.



Load diagram, cable tray, type SKS 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

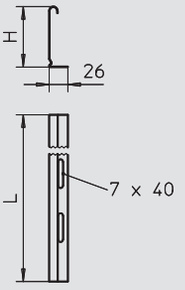
Barrier strip



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 60 VA4301	60	3,000		3	55.700	**6062 08 4**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.



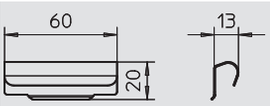
Barrier strip connector



Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



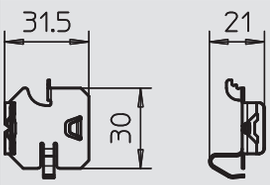
Hold-down clamp for barrier strip fastening



Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KS KR VA4310		30	0.580	**6062 28 0**

V2A Stainless steel, grade 301 /100 pc.

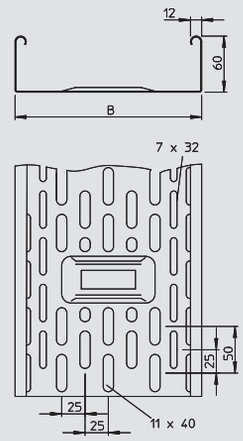
Clamping piece for screwless fastening of barrier strips in the cable tray types RKSM, MKS and SKS.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cable tray DKS

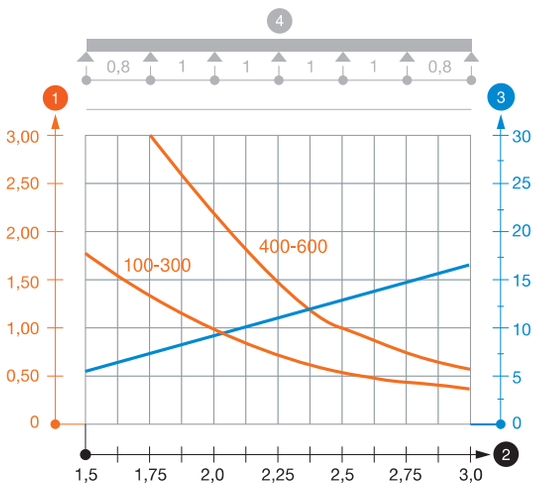


Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	1.75 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
DKS 610 VA4301	100	0.8	3,000	58	1	0.8	0.5	0.35	157.000	**6085 60 1**
DKS 620 VA4301	200	0.8	3,000	118	1	0.8	0.5	0.35	213.000	**6085 62 8**
DKS 630 VA4301	300	0.8	3,000	178	1	0.8	0.5	0.35	214.000	**6085 63 6**
DKS 640 VA4301	400	1	3,000	238	1.1	0.9	0.75	0.45	294.000	**6085 64 4**
DKS 650 VA4301	500	1	3,000	298	1.1	0.9	0.75	0.45	350.000	**6085 65 2**
DKS 660 VA4301	600	1	3,000	358	1.1	0.9	0.75	0.45	437.000	**6085 66 0**

V2A Stainless steel, grade 304 /m

DKS 60 = perforated cable tray system with 60 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Permeable cable tray system to VdS guideline 2092 with 30% hole surface for use under sprinkler systems.
Bottom penetration from width 200 mm.
Connecting parts should be ordered in the appropriate quantity.

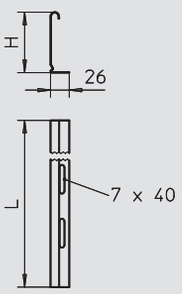
Load diagram, cable tray DKS 60 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Barrier strip



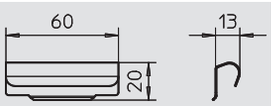
Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 45 VA4301	45	3,000		3	46.700	**6062 02 5**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector



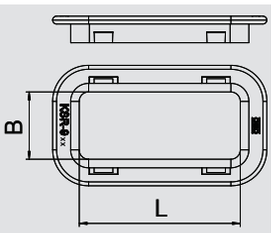
Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



Cable protection ring



Type	Colour	for perforation		Pack.	Weight	Item No.
		mm		pcs	kg/100 pcs.	
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**

PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Magic straight connector set

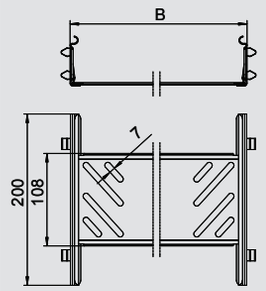


Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 610 VA4301	60	100		1	30.500	**6068 95 8**
KTSMV 615 VA4301	60	150		1	34.900	**6068 96 0**
KTSMV 620 VA4301	60	200		1	37.200	**6068 96 2**
KTSMV 630 VA4301	60	300		1	44.000	**6068 96 4**
KTSMV 640 VA4301	60	400		1	50.700	**6068 96 6**
KTSMV 650 VA4301	60	500		1	57.400	**6068 96 8**
KTSMV 660 VA4301	60	600		1	64.200	**6068 97 0**

V2A Stainless steel, grade 304 /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays and fittings with a side height of 60 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



Straight connector

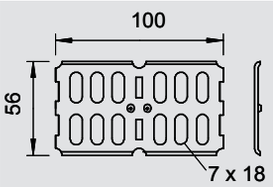


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RLVK 60 VA4301	60		10	8.800	**6067 65 4**

V2A Stainless steel, grade 304 /pc.

Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.

Including appropriate fastening material.



Straight and angle connector

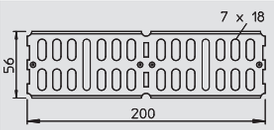


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWVL 60 VA4301	60		10	17.500	**6067 66 2**

V2A Stainless steel, grade 304 /pc.

Straight and angle connector for cable trays and fittings with a side height of 60 mm.

Including appropriate fastening material.



Adjustable connector

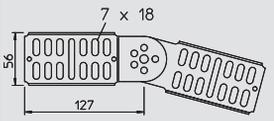


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 60 VA4301	60		10	24.000	**7082 25 8**

V2A Stainless steel, grade 304 /pc.

Adjustable connector for cable trays with a side height of 60 mm.

Including appropriate fastening material.



Corner connector

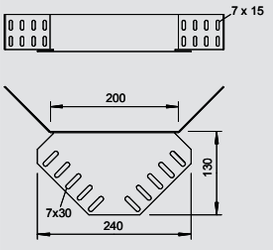


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
REV 60 VA4301	60		5	33.400	**6068 02 2**

V2A Stainless steel, grade 304 /pc.

Corner connector for cable trays with side height 60 mm.

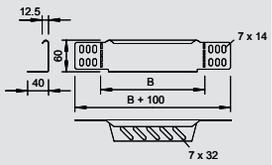
Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Reducer / stop-end



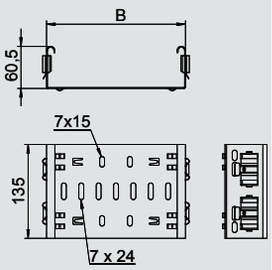
Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWEB 610 VA4301	60	100		1	9.000	**7109 81 4**
RWEB 620 VA4301	60	200		1	18.000	**7109 83 0**
RWEB 630 VA4301	60	300		1	26.000	**7109 85 7**
RWEB 640 VA4301	60	400		1	34.000	**7109 87 3**
RWEB 650 VA4301	60	500		1	42.000	**7109 90 3**
RWEB 660 VA4301	60	600		1	49.000	**7109 93 8**



V2A Stainless steel, grade 304 /pc.

Reducer / stop-end for cable trays with side height 60 mm.
Including appropriate fastening material.

Magic straight connector



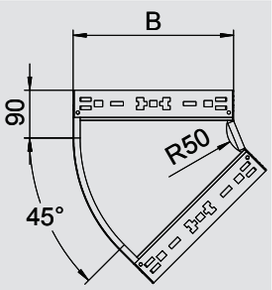
Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FVM 610 VA 4301	60	100		1	31.900	**6065 73 0**
FVM 615 VA 4301	60	150		1	37.900	**6065 73 2**
FVM 620 VA 4301	60	200		1	44.000	**6065 73 4**
FVM 630 VA 4301	60	300		1	57.000	**6065 73 6**
FVM 640 VA 4301	60	400		1	69.400	**6065 73 8**
FVM 650 VA 4301	60	500		1	82.000	**6065 74 0**
FVM 660 VA 4301	60	600		1	94.600	**6065 74 2**



V2A Stainless steel, grade 304 /pc.

Magic straight connector for direct and screwless joining of Magic fittings with a side height of 60 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.

45° Magic bend



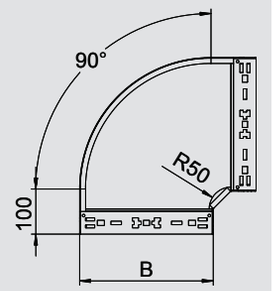
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 610VA4301	100		1	50.400	**6041 08 0**
RBM 45 615VA4301	150		1	67.300	**6041 08 2**
RBM 45 620VA4301	200		1	86.000	**6041 08 4**
RBM 45 630VA4301	300		1	128.300	**6041 08 6**
RBM 45 640VA4301	400		1	174.800	**6041 08 8**
RBM 45 650VA4301	500		1	232.700	**6041 09 0**
RBM 45 660VA4301	600		1	298.300	**6041 09 2**



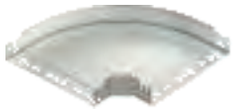
V2A Stainless steel, grade 304 /pc.

45° bend with quick connector system. For all cable tray types of 60 mm side height.

90° Magic bend



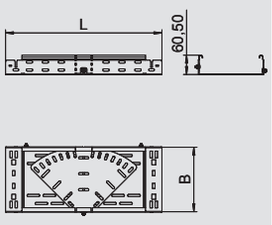
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 610VA4301	100		1	65.700	**6041 18 0**
RBM 90 615VA4301	150		1	92.000	**6041 18 2**
RBM 90 620VA4301	200		1	122.100	**6041 18 4**
RBM 90 630VA4301	300		1	192.800	**6041 18 6**
RBM 90 640VA4301	400		1	275.400	**6041 18 8**
RBM 90 650VA4301	500		1	377.200	**6041 19 0**
RBM 90 660VA4301	600		1	494.300	**6041 19 2**



V2A Stainless steel, grade 304 /pc.

90° bend with quick connector system. For all cable tray types of 60 mm side height.

Magic bend, variable



Type	Width mm	Side height mm	Plate thickness mm		Pack. pcs	Item No.
RBMV 610 VA 4301	100	60	1		1	**6040 52 0**
RBMV 615 VA 4301	150	60	1		1	**6040 52 2**
RBMV 620 VA 4301	200	60	1		1	**6040 52 4**
RBMV 630 VA 4301	300	60	1.25		1	**6040 52 6**
RBMV 640 VA 4301	400	60	1.25		1	**6040 52 8**
RBMV 650 VA 4301	500	60	1.5		1	**6040 53 0**
RBMV 660 VA 4301	600	60	1.5		1	**6040 53 2**



V2A Stainless steel, grade 304 /pc.

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 60 mm side height.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

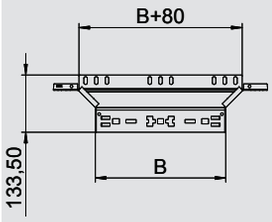
Magic add-on tee



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 610 VA4301	100		1	37.900	**6041 27 0**
RAAM 615 VA4301	150		1	44.300	**6041 27 1**
RAAM 620 VA4301	200		1	50.600	**6041 27 5**
RAAM 630 VA4301	300		1	63.500	**6041 27 7**
RAAM 640 VA4301	400		1	76.500	**6041 27 9**
RAAM 650 VA4301	500		1	89.300	**6041 28 2**
RAAM 660 VA4301	600		1	102.700	**6041 28 4**

V2A Stainless steel, grade 304 /pc.

Mounting/branch piece with quick connector system. For all cable tray types of 60 mm side height.



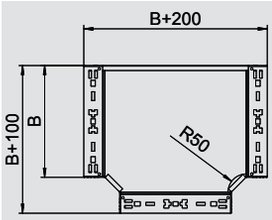
Magic tee



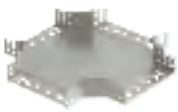
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 610 VA4301	100		1	83.600	**6041 36 0**
RTM 615 VA4301	150		1	114.700	**6041 36 3**
RTM 620 VA4301	200		1	150.600	**6041 36 5**
RTM 630 VA4301	300		1	235.700	**6041 36 7**
RTM 640 VA4301	400		1	335.600	**6041 36 9**
RTM 650 VA4301	500		1	460.500	**6041 37 1**
RTM 660 VA4301	600		1	605.000	**6041 37 3**

V2A Stainless steel, grade 304 /pc.

T branch piece with quick connector system. For all cable tray types of 60 mm side height.



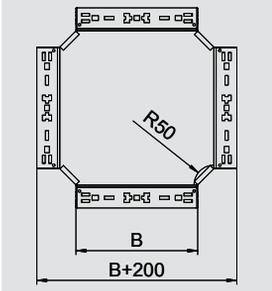
Magic cross-over



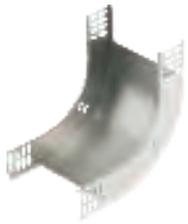
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 610 VA4301	100		1	93.200	**7027 04 1**
RKM 615 VA4301	150		1	124.600	**7027 04 3**
RKM 620 VA4301	200		1	168.000	**7027 04 5**
RKM 630 VA4301	300		1	246.100	**7027 04 7**
RKM 640 VA4301	400		1	343.400	**7027 04 9**
RKM 650 VA4301	500		1	468.300	**7027 05 1**
RKM 660 VA4301	600		1	612.800	**7027 05 3**

V2A Stainless steel, grade 304 /pc.

Intersection with quick connector system. For all cable tray types of 60 mm side height.



90° vertical bend, rising

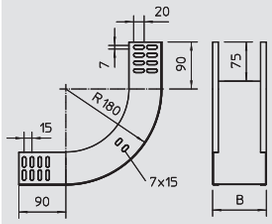


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 610 S VA4301	100	1		1	66.000	**7007 10 5**
RBV 615 S VA4301	150	1		1	84.000	**7007 10 7**
RBV 620 S VA4301	200	1		1	109.000	**7007 10 9**
RBV 630 S VA4301	300	1		1	145.000	**7007 11 3**
RBV 640 S VA4301	400	1		1	181.000	**7007 11 7**
RBV 650 S VA4301	500	1		1	216.000	**7007 11 9**
RBV 660 S VA4301	600	1		1	252.000	**7007 12 1**

V2A Stainless steel, grade 304 /pc.

90° rising vertical bend, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight. Fastening materials should be ordered separately.



90° vertical bend, falling

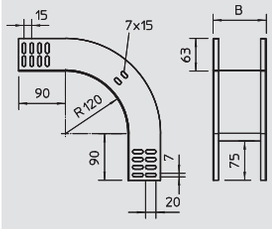


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 610 F VA4301	100	1		1	61.000	**7007 15 5**
RBV 615 F VA4301	150	1		1	73.000	**7007 15 6**
RBV 620 F VA4301	200	1		1	84.000	**7007 15 7**
RBV 630 F VA4301	300	1		1	107.000	**7007 15 9**
RBV 640 F VA4301	400	1		1	130.000	**7007 16 1**
RBV 650 F VA4301	500	1		1	153.000	**7007 16 3**
RBV 660 F VA4301	600	1		1	176.000	**7007 16 5**

V2A Stainless steel, grade 304 /pc.

90° vertical bend, falling, for all cable tray types of 60 mm side height.

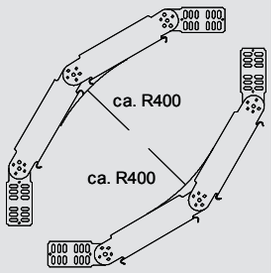
The vertical bend is pushed over the end of the cable tray and screwed tight. Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

90° adjustable vertical bend



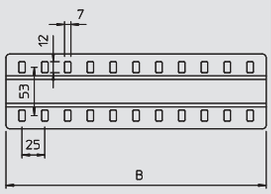


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGBV 610 VA4301	100		1	172.000	**7138 11 3**
RGBV 620 VA4301	200		1	218.000	**7138 12 1**
RGBV 630 VA4301	300		1	265.000	**7138 14 8**
RGBV 640 VA4301	400		1	311.000	**7138 15 6**
RGBV 650 VA4301	500		1	394.500	**7138 16 4**
RGBV 660 VA4301	600		1	486.000	**7138 17 2**

V2A Stainless steel, grade 304 /pc.

90° adjustable vertical bend, for all cable tray types with a side height of 60 mm.
The bend is shipped in an unmounted state. No additional fastening materials are required.

Joint plate



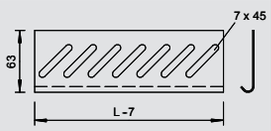


Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 100 VA4301	85	2		20	7.700	**7070 35 3**
SSLB 200 VA4301	185	2		20	16.700	**7070 36 1**
SSLB 300 VA4301	285	3		20	25.700	**7070 36 5**
SSLB 400 VA4301	385	4		20	34.700	**7070 36 9**
SSLB 500 VA4301	485	5		20	43.700	**7070 37 3**
SSLB 600 VA4301	585	6		20	52.700	**7070 38 1**

V2A Stainless steel, grade 304 /pc.

Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.

Bottom end plate



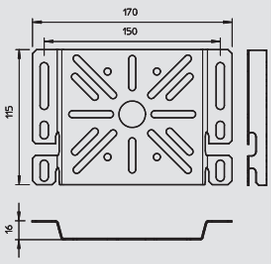


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BEB 100 VA4301	100		100	5.500	**7084 01 3**
BEB 200 VA4301	200		100	11.400	**7084 04 8**
BEB 300 VA4301	300		100	17.200	**7084 06 4**
BEB 400 VA4301	400		100	23.100	**7084 08 0**
BEB 500 VA4301	500		50	29.000	**7084 10 2**
BEB 600 VA4301	600		50	35.000	**7084 12 9**

V2A Stainless steel, grade 304 /pc.

For base reinforcement at the ends of the tray and as cable protection.
For fastening, please order bolts, type FRSB M6x12, separately.

Mounting plate



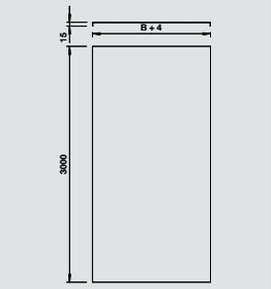


Type	Height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI VA4301	115	170		40	13.300	**7085 13 3**

V2A Stainless steel, grade 304 /pc.

Mounting plate, for fastening on the side rail of cable support systems.
Fastening on the side rail of the mesh cable tray is carried out without bolts by bending the lugs.
Fastening on the side rail of cable trays or cable ladders is carried out with two truss-head bolts.
Type B9/T junction boxes can be mounted very easily by inserting the bolt plug supplied into the centre hole on the mounting plate.
Please order the bolt, type FRSB 6 x 12, separately.

Cover





Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRLU 050 VA4301	50	1	3,000		60.000	**6052 82 1**
DRLU 100 VA4301	100	1	3,000		104.000	**6052 82 4**
DRLU 150 VA4301	150	1	3,000		138.200	**6052 82 8**
DRLU 200 VA4301	200	1	3,000		178.000	**6052 83 1**
DRLU 300 VA4301	300	1	3,000		256.000	**6052 83 4**
DRLU 400 VA4301	400	1	3,000		334.300	**6052 83 7**
DRLU 500 VA4301	500	1.25	3,000		516.100	**6052 84 1**
DRLU 600 VA4301	600	1.25	3,000		614.300	**6052 84 4**

V2A Stainless steel, grade 304 /m

Cover for cable trays and mesh cable trays.
Take appropriate constructive protection measures if there are high wind speeds.
Cross beading from 500 mm width.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cover clamp, universal

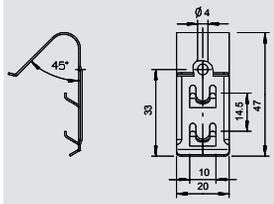


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



Cover incl. turn-buckle



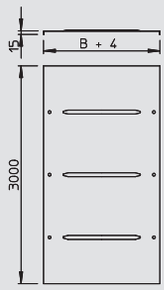
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL 100 VA4301	100	1	3,000		105.000	**6052 87 8**
DRL 200 VA4301	200	1	3,000		185.000	**6052 89 4**
DRL 300 VA4301	300	1	3,000		264.000	**6052 90 8**
DRL 400 VA4301	400	1	3,000		340.000	**6052 93 2**
DRL 500 VA4301	500	1.25	3,000		625.000	**6052 95 9**
DRL 600 VA4301	600	1.25	3,000		745.000	**6052 97 5**

V2A Stainless steel, grade 304 /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.

Ensure protective measures for construction if there are high wind speeds.

Transverse bead from 500 mm width.



Turn buckle

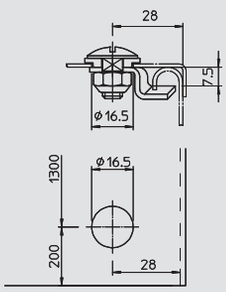


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRLM 316 VA4301		10	2.800	**6222 35 8**

V2A Stainless steel, grade 304 /pc.

Turn-buckle for additional installation or installation at a later date.

Single-sided turn-buckle. Use for cover widths of 50 – 600 mm.



Cover for 45° Magic bend

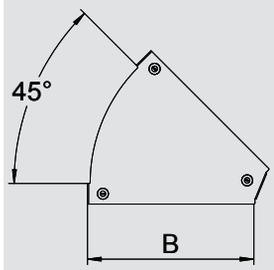


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 45 100 V2A	100	1.25		1	13.100	**7138 43 0**
DFBM 45 150 V2A	150	1.25		1	19.800	**7138 43 2**
DFBM 45 200 V2A	200	1.25		1	28.100	**7138 43 4**
DFBM 45 300 V2A	300	1.25		1	49.300	**7138 43 6**
DFBM 45 400 V2A	400	1.25		1	95.100	**7138 43 8**
DFBM 45 500 V2A	500	1.25		1	137.600	**7138 44 0**
DFBM 45 600 V2A	600	1.25		1	187.200	**7138 44 2**

V2A Stainless steel, grade 304 /pc.

Lid for 45° bend with pre-mounted sash locks.

The cover can be used with fittings of all side heights.



Cover for 90° Magic bend

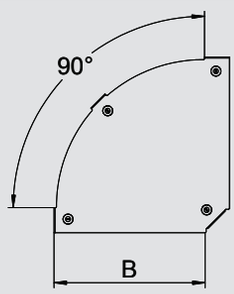


Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 90 100 V2A	100	1.25		1	18.500	**7138 57 0**
DFBM 90 150 V2A	150	1.25		1	29.900	**7138 57 2**
DFBM 90 200 V2A	200	1.25		1	44.400	**7138 57 4**
DFBM 90 300 V2A	300	1.25		1	83.000	**7138 57 6**
DFBM 90 400 V2A	400	1.25		1	166.400	**7138 57 8**
DFBM 90 500 V2A	500	1.25		1	245.500	**7138 58 0**
DFBM 90 600 V2A	600	1.25		1	339.500	**7138 58 2**

V2A Stainless steel, grade 304 /pc.

Cover for 90° bend with premounted turn buckles.

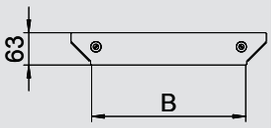
The cover can be used with fittings of all side heights.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cover for Magic add-on tee



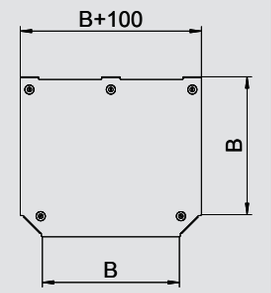
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFAAM 100 V2A	100	1.25		1	11.100	**7138 72 0**
DFAAM 150 V2A	150	1.25		1	13.500	**7138 72 2**
DFAAM 200 V2A	200	1.25		1	14.500	**7138 72 4**
DFAAM 300 V2A	300	1.25		1	20.900	**7138 72 6**
DFAAM 400 V2A	400	1.25		1	31.700	**7138 72 8**
DFAAM 500 V2A	500	1.25		1	37.900	**7138 73 0**
DFAAM 600 V2A	600	1.25		1	44.100	**7138 73 2**



V2A Stainless steel, grade 304 /pc.

Cover for add-on tee with pre-mounted turn-buckles.
The cover can be used with fittings of all side heights.

Cover for Magic tee



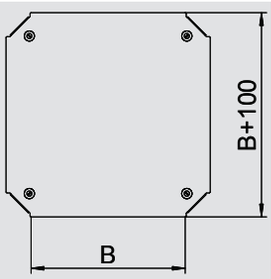
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFTM 100 V2A	100	1.25		1	31.000	**7138 86 0**
DFTM 150 V2A	150	1.25		1	40.300	**7138 86 2**
DFTM 200 V2A	200	1.25		1	59.700	**7138 86 4**
DFTM 300 V2A	300	1.25		1	110.600	**7138 86 6**
DFTM 400 V2A	400	1.25		1	220.300	**7138 86 8**
DFTM 500 V2A	500	1.25		1	322.700	**7138 87 0**
DFTM 600 V2A	600	1.25		1	444.600	**7138 87 2**



V2A Stainless steel, grade 304 /pc.

Cover for tee with pre-mounted turn-buckle.
The cover can be used with fittings of all side heights.

Cover for Magic cross-over



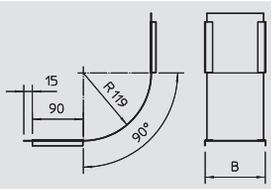
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFKM 100 V2A	100	1.25		1	31.000	**7139 02 0**
DFKM 150 V2A	150	1.25		1	48.500	**7139 02 2**
DFKM 200 V2A	200	1.25		1	69.900	**7139 02 4**
DFKM 300 V2A	300	1.25		1	124.500	**7139 02 6**
DFKM 400 V2A	400	1.25		1	242.900	**7139 02 8**
DFKM 500 V2A	500	1.25		1	350.500	**7139 03 0**
DFKM 600 V2A	600	1.25		1	477.600	**7139 03 2**



V2A Stainless steel, grade 304 /pc.

Cover for cross-over with pre-mounted turn-buckles.
The cover can be used with fittings of all side heights.

Cover for 90° vertical bend, falling



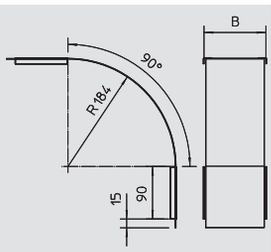
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 100 S VA4301	100	0.75		1	34.000	**7130 90 5**
DBV 150 S VA4301	150	0.75		1	50.000	**7130 90 6**
DBV 200 S VA4301	200	0.75		1	39.000	**7130 90 7**
DBV 300 S VA4301	300	0.75		1	49.000	**7130 90 9**
DBV 400 S VA4301	400	0.75		1	68.000	**7130 91 1**
DBV 500 S VA4301	500	0.75		1	86.000	**7130 91 3**
DBV 600 S VA4301	600	0.75		1	105.000	**7130 91 5**



V2A Stainless steel, grade 304 /pc.

Cover for all rising vertical bends.
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for 90° vertical bend, falling, side height 60



Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV60100F VA4301	100	0.75		1	25.000	**7130 95 2**
DBV60150F VA4301	150	0.75		1	62.000	**7130 95 3**
DBV60200F VA4301	200	0.75		1	62.000	**7130 95 4**
DBV60300F VA4301	300	0.75		1	89.000	**7130 95 6**
DBV60400F VA4301	400	0.75		1	117.000	**7130 95 8**
DBV60500F VA4301	500	0.75		1	145.000	**7130 96 0**
DBV60600F VA4301	600	0.75		1	173.000	**7130 96 2**



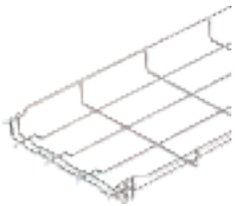
V2A Stainless steel, grade 304 /pc.

Cover for falling vertical bends of side height 60.
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Mesh cable tray GR-Magic® 35



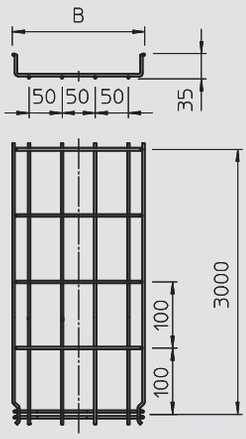
Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM 35 50VA4301	50	3.9	3,000	17,5	0.25	0.11	0.1	45.000	**6000 05 4**
GRM 35 100VA4301	100	3.9	3,000	35	0.25	0.11	0.1	49.000	**6000 05 5**
GRM 35 150VA4301	150	3.9	3,000	52,5	0.25	0.11	0.1	62.600	**6000 05 6**
GRM 35 200VA4301	200	3.9	3,000	70	0.3	0.14	0.1	76.300	**6000 05 7**
GRM 35 300VA4301	300	4.8	3,000	105	0.75	0.22	0.15	157.900	**6000 05 9**

V2A Stainless steel, grade 304 /m

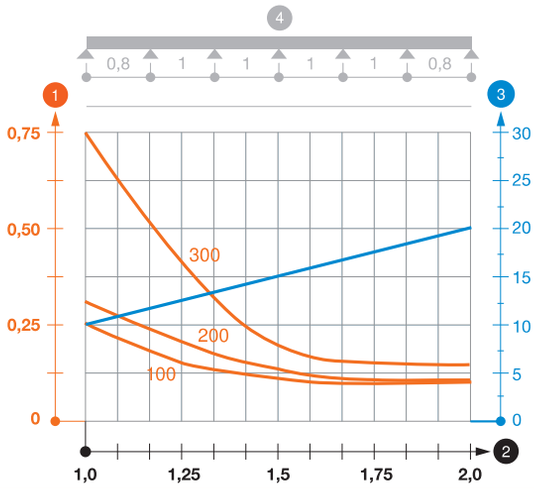
Mesh cable tray with shaped connector of side height 35 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.



Load diagram, GR-Magic mesh cable tray, type GRM 35



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

Mesh cable tray GR-Magic® 55



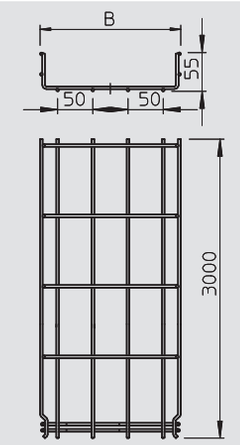
Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM 55 50VA4301	50	3.9	3,000	16	0.25	0.12	0.08	67.000	**6001 07 0**
GRM 55 100VA4301	100	3.9	3,000	40	0.25	0.12	0.08	72.700	**6001 07 2**
GRM 55 150VA4301	150	3.9	3,000	63	0.25	0.12	0.08	88.000	**6001 07 4**
GRM 55 200VA4301	200	3.9	3,000	87	0.25	0.12	0.08	97.000	**6001 07 6**
GRM 55 300VA4301	300	4.8	3,000	129	0.6	0.28	0.25	191.100	**6001 07 8**
GRM 55 400VA4301	400	4.8	3,000	175	0.6	0.28	0.25	243.000	**6001 08 0**
GRM 55 450VA4301	450	4.8	3,000	195	0.75	0.45	0.3	237.000	**6001 08 1**
GRM 55 500VA4301	500	4.8	3,000	220	0.75	0.38	0.25	287.000	**6001 08 2**
GRM 55 600VA4301	600	4.8	3,000	265	0.75	0.38	0.25	331.000	**6001 08 5**

V2A Stainless steel, grade 304 Stained /m

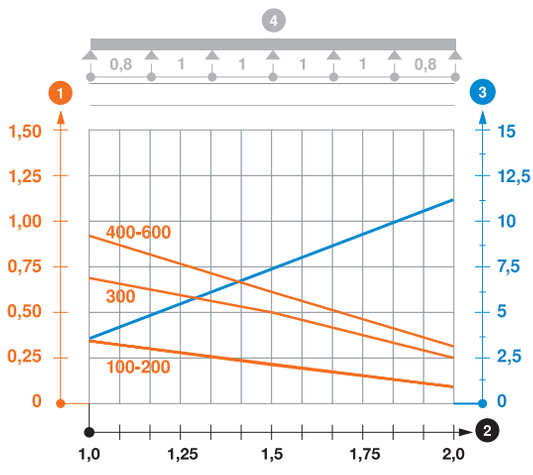
Mesh cable tray with shaped connector of side height 55 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).



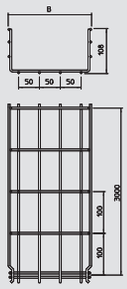
Load diagram, mesh cable tray GRM 55 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

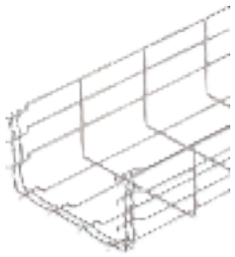
Always indicate the item number when ordering.



Mesh cable tray GR-Magic® 105

Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
GRM105 100VA4301	100	3.9	3,000	82	0.8	0.55	0.37	0.25	99.000	**6002 45 1**
GRM105 150VA4301	150	3.9	3,000	130	0.8	0.55	0.37	0.25	110.000	**6002 45 5**
GRM105 200VA4301	200	4.8	3,000	175	0.8	0.55	0.37	0.25	193.000	**6002 45 7**
GRM105 300VA4301	300	4.8	3,000	268	1.1	0.75	0.53	0.3	235.000	**6002 46 0**
GRM105 400VA4301	400	4.8	3,000	363	1.1	0.75	0.53	0.3	277.000	**6002 46 3**
GRM105 450VA4301	450	4.8	3,000	411	1.11	0.75	0.53	0.3	282.900	**6002 46 4**
GRM105 500VA4301	500	4.8	3,000	459	1.25	0.85	0.6	0.3	319.000	**6002 46 6**
GRM105 600VA4301	600	4.8	3,000	554	1.25	0.85	0.6	0.3	361.100	**6002 46 9**

V2A Stainless steel, grade 304 Stained /m

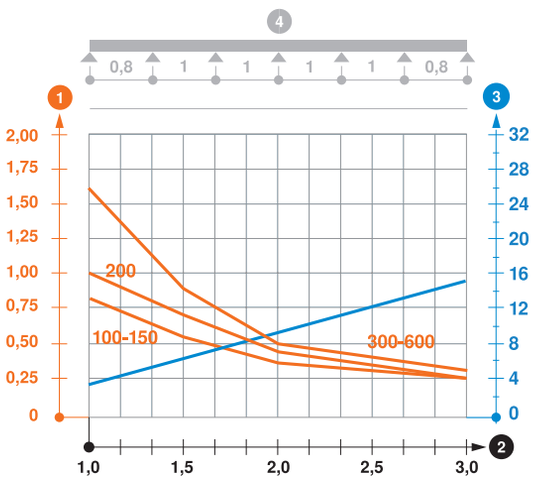


Mesh cable tray with shaped connector of side height 105 mm.

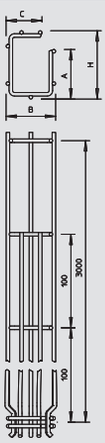
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Load diagram, mesh cable tray, type GRM 105



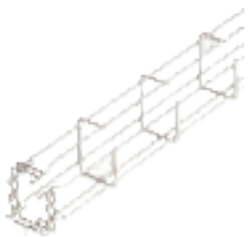
1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



G mesh cable tray Magic, side height 50 mm

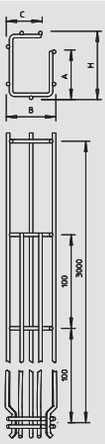
Type	Dimension B	Dimension H	Dimension C	Dimension A	Length	Weight	Item No.
	mm	mm	mm	mm	mm	kg/100 m	
G-GRM 50 50V2A	55	55	33	40	3,000	67.100	**6005 55 0**

V2A Stainless steel, grade 304 /m



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.

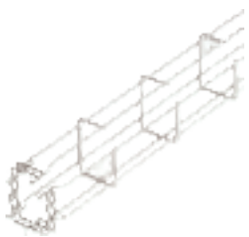
Magnetic shield insulation 15 dB.



G mesh cable tray Magic, side height 75 mm

Type	Dimension B	Dimension H	Dimension C	Dimension A	Length	Weight	Item No.
	mm	mm	mm	mm	mm	kg/100 m	
G-GRM 75 50V2A	53	73	40	53	3,000	79.900	**6005 55 3**

V2A Stainless steel, grade 304 /m

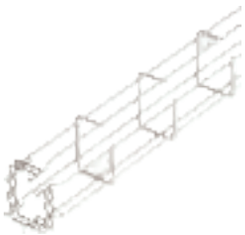


G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.

Magnetic shield insulation 15 dB.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

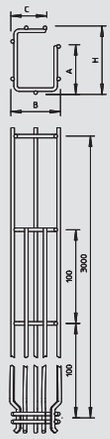
G mesh cable tray Magic, side height 125 mm



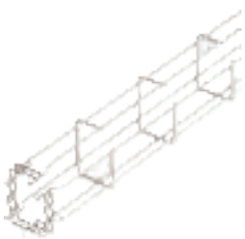
Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 125 75V2A	75	125	40	96	3,000		108.200	**6005 55 6**

V2A Stainless steel, grade 304 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



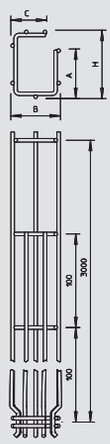
G mesh cable tray Magic, side height 150 mm



Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 150 100V2A	100	155	70	120	3,000		128.000	**6005 55 9**

V2A Stainless steel, grade 304 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



Barrier strip



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 30 VA4301	30	3,000		3	38.000	**6062 05 2**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 45 VA4301	45	3,000		3	46.700	**6062 02 5**

V2A Stainless steel, grade 304 /m

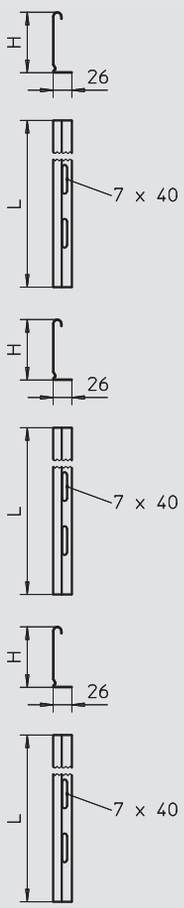
Barrier strip for separation of cables of different voltages or functions.



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 85 VA4301	85	3,000		3	70.300	**6062 17 3**

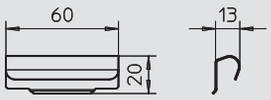
V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



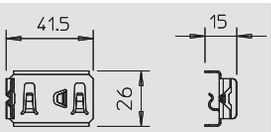
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





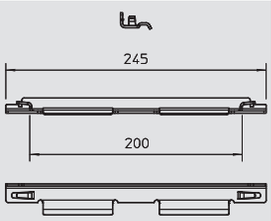
Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310		30	0.830	**6062 28 2**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.





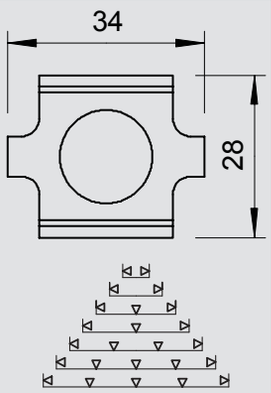
Quick connector

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GRV 245 VA4404	245		50	13.500	**6016 68 8**

V4A Stainless steel, grade 316 L /pc.

Long mesh cable tray connection for screwless straight connection of mesh cable trays.
Two straight connectors, type GRV 245, are used for each connection point.





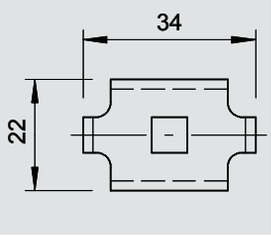
Joint connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 VA4301		25	3.000	**6016 64 2**

V2A Stainless steel, grade 304 /pc.

Screwed version of joint connector for mesh cable trays.
Including screw of type FRS M6 x 20.





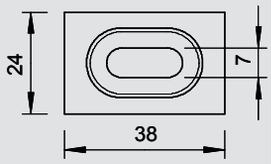
Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 VA4301		100	2.000	**6016 83 9**

V2A Stainless steel, grade 304 /pc.

Hold-down clamp for fixing mesh cable trays to wall or support brackets.
Including FRS M6 x 20 bolt with nut-and-washer assembly.





Clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 VA4301		100	2.200	**6017 04 5**

V2A Stainless steel, grade 304 /pc.

Clamp for fastening barrier strip in mesh cable trays.
Including FRS M6 x 20 bolt with nut-and-washer assembly.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

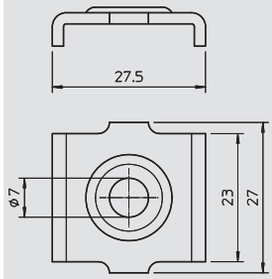
Clamp



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKB 34 VA		50	1.000	**6016 67 6**

V2A Stainless steel, grade 304 /pc.

Clamp for fastening mesh cable trays of width 50 mm to the floor.



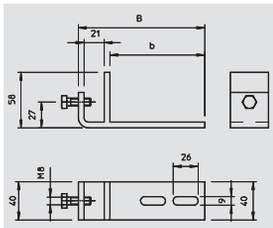
Beam clamp, vertical



Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 132 58VA4301	132	99		25	38.000	**6003 87 1**

V2A Stainless steel, grade 304 Stained /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is vertical routing.



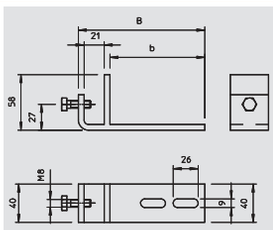
Fastening clamp, vertical



Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 166 58 20V2A	166	133		20	46.000	**6003 87 7**

V2A Stainless steel, grade 304 Stained /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is vertical routing.



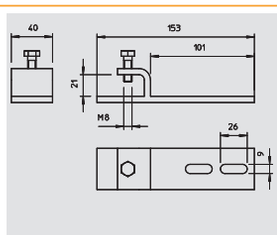
Beam clamp, horizontal



Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 153 33VA4301	153	101		25	36.000	**6003 87 3**

V2A Stainless steel, grade 304 Stained /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is horizontal routing.



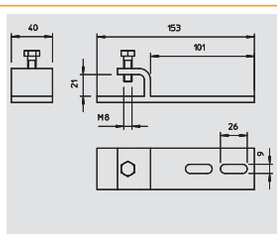
Fastening clamp, horizontal



Type	Dimension B mm	Dimension b mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BFK 187 33VA4301	187	135		20	42.000	**6003 87 9**

V2A Stainless steel, grade 304 Stained /pc.

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp is horizontal routing.



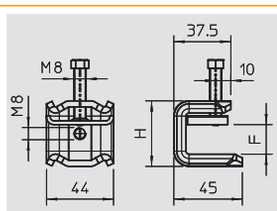
Beam clamp



Type	Flange thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 6-21 VA	6-21		50	18.200	**1486 25 4**

V2A Stainless steel, grade 304 /100 pc.

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.



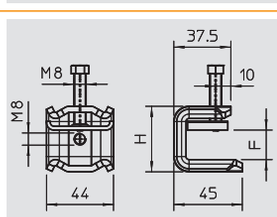
Beam clamp



Type	Flange thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 20-40 VA	20-40		50	21.200	**1486 27 4**

V2A Stainless steel, grade 304 /100 pc.

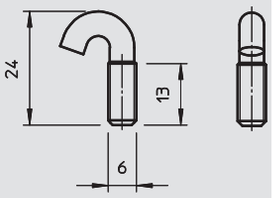
This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Hook screw



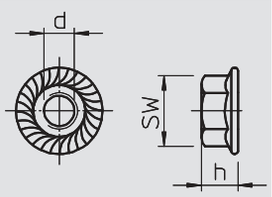
Type	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
HS M6 VA4567	M6		100	0.500	**1154 99 0**

V2A Stainless steel, 1.4567 /100 pc.

Hook screw for fastening cable tracks on the bracket.



Flange nut



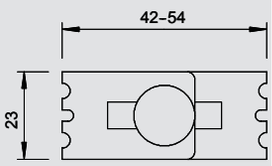
Type	Dimension d mm	Dimension h mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4301	6	6	10		100	0.315	**6408 96 6**

V2A Stainless steel, grade 304 /100 pc.

Nut with pressed washer.



Corner connector



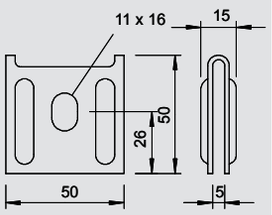
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 VA4301		100	3.000	**6016 73 1**

V2A Stainless steel, grade 304 /pc.

Corner connector for the creation of mesh cable tray bends.
Including FRS M6 x 12 bolt with flange nut



Wall clamp / central hanger



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
K12 1818 VA4301		25	7.600	**6016 42 1**

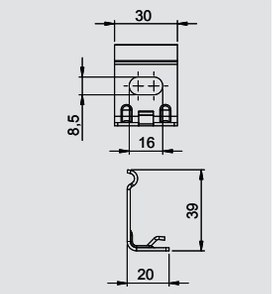
V2A Stainless steel, grade 304 /pc.

Wall clamp and central hanger for mesh cable trays.
Recommendation:
As wall mounting up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.

As a trapeze suspension from a width of 300 mm.



Wall clamp for GRM 35 50



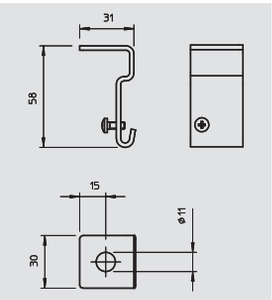
Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WH GRM35 VA4401	35	50		10	1.950	**6016 44 5**

V4A Stainless steel, grade 316 /pc.

Wall clamp for fastening of mesh cable trays GRM 35 50



Side holder



Type	For threaded rod		Pack. pcs	Weight kg/100 pcs.	Item No.
SH M10 VA4401	M10		20	5.500	**6015 34 0**

V4A Stainless steel, grade 316 /pc.

Side holder for suspension of mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Threaded rod



Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M V2A	M8	8	1,000		50	30.000	**3141 31 0**
2078 M10 1M V2A	M10	10	1,000		25	49.000	**3141 31 2**
2078 M12 1M V2A	M12	12	1,000		20	70.000	**3141 31 4**

V2A Stainless steel, grade 304 /100 pc.

Threaded rod to DIN 976.



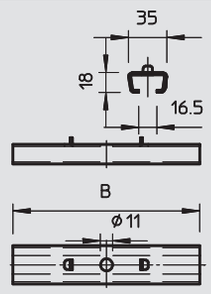
Central hanger



Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 170 VA4404	170		25	20.000	**6015 41 8**
GMS 270 VA4404	270		25	32.000	**6015 41 9**
GMS 370 VA4404	370		25	43.000	**6015 42 0**
GMS 470 VA4404	470		10	55.000	**6015 42 1**
GMS 570 VA4404	570		10	67.000	**6015 42 2**

V4A Stainless steel, grade 316 L /pc.

Central hanger including clamp for mesh cable tray suspensions.



Wall bracket / mounting plate

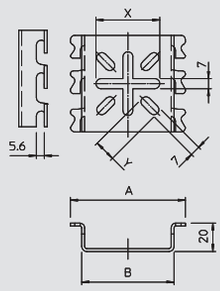


Type	Dimension A mm	Dimension B mm	Dimension x mm	Dimension y mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MPG 65 VA4404	81	65	45	15		30	8.800	**6006 48 8**
MPG 90 VA4404	111	95	45	38		30	16.100	**6006 48 9**

V4A Stainless steel, grade 316 L /pc.

Wall bracket for screwless fastening on mesh cable trays.

Accessories can be fastened to the mounting plate. In addition, the mounting plate can be used for wall bracket.



Drop-out plate

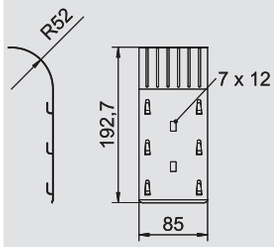


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KAB GR VA 1.4301		10	14.100	**6220 14 5**

V2A Stainless steel, grade 304 /pc.

Drop-out plate for mesh cable trays.

The cable exit plate allows compliance with specific bend radii (fibre-optic cables), thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.



Cover



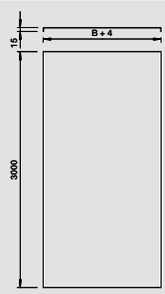
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRLU 050 VA4301	50	1	3,000		60.000	**6052 82 1**
DRLU 100 VA4301	100	1	3,000		104.000	**6052 82 4**
DRLU 150 VA4301	150	1	3,000		138.200	**6052 82 8**
DRLU 200 VA4301	200	1	3,000		178.000	**6052 83 1**
DRLU 300 VA4301	300	1	3,000		256.000	**6052 83 4**
DRLU 400 VA4301	400	1	3,000		334.300	**6052 83 7**
DRLU 500 VA4301	500	1.25	3,000		516.100	**6052 84 1**
DRLU 600 VA4301	600	1.25	3,000		614.300	**6052 84 4**

V2A Stainless steel, grade 304 /m

Cover for cable trays and mesh cable trays.

Take appropriate constructive protection measures if there are high wind speeds.

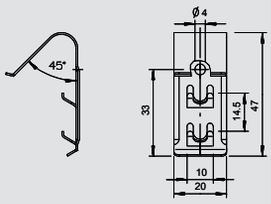
Cross beading from 500 mm width.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cover clamp, universal



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

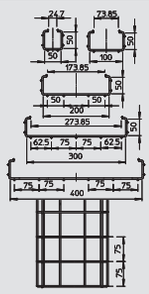
V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



C mesh cable tray



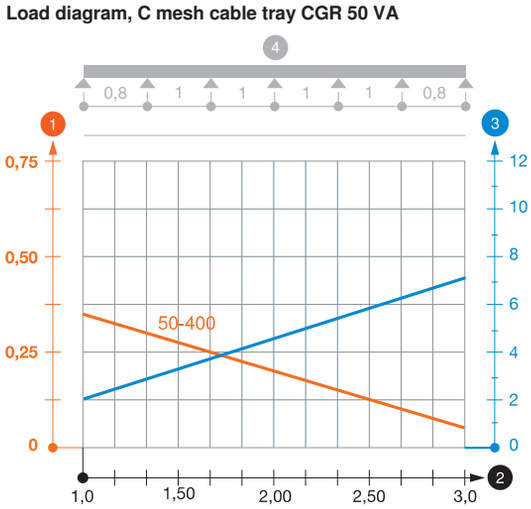
Type	Width mm	Wire Ø mm	Length mm	Useful cross-section cm²	Appr. load: 1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	Weight kg/100 m	Item No.
CGR 50 50 VA4301	50	4.5	3,000	13	0.32	0.25	0.18	125.400	**6016 20 0**
CGR 50 100VA4301	100	4.5	3,000	33	0.32	0.25	0.18	133.600	**6016 23 5**
CGR 50 200VA4301	200	4.5	3,000	74	0.32	0.25	0.18	181.000	**6016 25 1**
CGR 50 300VA4301	300	4.5	3,000	116	0.32	0.25	0.18	210.000	**6016 25 3**
CGR 50 400VA4301	400	4.5	3,000	157	0.32	0.25	0.18	240.000	**6016 25 5**

V2A Stainless steel, grade 304 Stained /m

C-shaped mesh cable tray made of spot-welded steel wire of side height 50 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

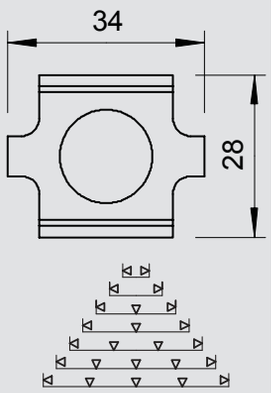
Load diagram, C mesh cable tray CGR 50 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



Joint connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 VA4301		25	3.000	**6016 64 2**

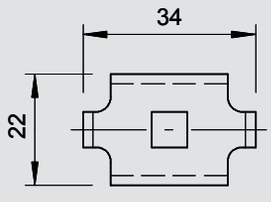
V2A Stainless steel, grade 304 /pc.

Screwed version of joint connector for mesh cable trays.

Including screw of type FRS M6 x 20.



Clamp



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 VA4301		100	2.000	**6016 83 9**

V2A Stainless steel, grade 304 /pc.

Hold-down clamp for fixing mesh cable trays to wall or support brackets.

Including FRS M6 x 20 bolt with nut-and-washer assembly.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



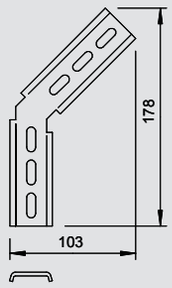
45° mounting angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
MW 45 SL10VA4301		50	20.000	**6017 33 9**

V2A Stainless steel, grade 304 /pc.

45° installation profile, vertical, for C mesh cable tray and GR-Magic mesh cable tray with a side height of 55 mm.

Each with two clamps of type KS 23/35.





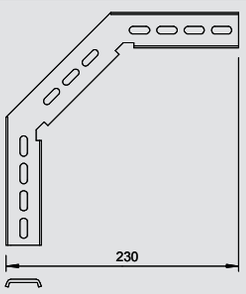
90° mounting angle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
MW 90 SL17VA4301		50	27.000	**6016 27 8**
MW 90 SL23VA4301		25	34.700	**6016 30 8**

V2A Stainless steel, grade 304 /pc.

90° installation profile, vertical, for C mesh cable tray and GR-Magic mesh cable tray with a side height of 55 mm.

Each with two clamps of type KS 23/35.





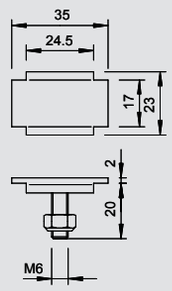
Clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS 23 35 VA4301		100	2.015	**6016 52 9**

V2A Stainless steel, grade 304 /pc.

Clamp for mounting angle, type MW 45 and MW 90.

Including M6 locknut.





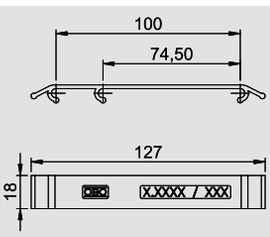
Identification clip

Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR LGR	Light grey		10	0.920	**6017 71 0**
KS GR VKG	Traffic grey B		10	0.920	**6017 71 1**
KS GR OR	Pastel orange		10	0.920	**6017 71 2**
KS GR ZGB	Zinc yellow		10	0.920	**6017 71 3**
KS GR LBL	Light blue		10	0.920	**6017 71 4**
KS GR SGN	Signal green		10	0.920	**6017 71 5**

PA Polyamide /pc.

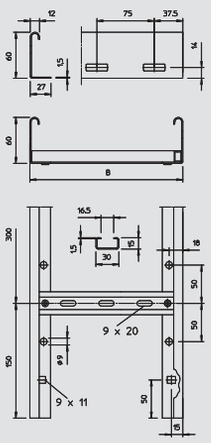
Identification clip for screwless fastening on mesh cable trays.
Versions in light grey and stone grey with labelling of SS304 and SS316 or in zinc yellow, pastel orange, light blue and signal green for labelling.

The identification clip is fastened to the mesh cable tray without screws simply by attaching it.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Cable ladder LG 60

Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 VS VA4301	200	1.5	6,000	2.25	1.5	1	0.4	273.800	**6208 70 0**
LG 630 VS VA4301	300	1.5	6,000	2.25	1.5	1	0.4	298.000	**6208 70 3**
LG 640 VS VA4301	400	1.5	6,000	2.25	1.5	1	0.4	322.200	**6208 70 6**
LG 650 VS VA4301	500	1.5	6,000	2.25	1.5	1	0.4	346.300	**6208 70 9**
LG 660 VS VA4301	600	1.5	6,000	2.25	1.5	1	0.4	378.300	**6208 71 2**

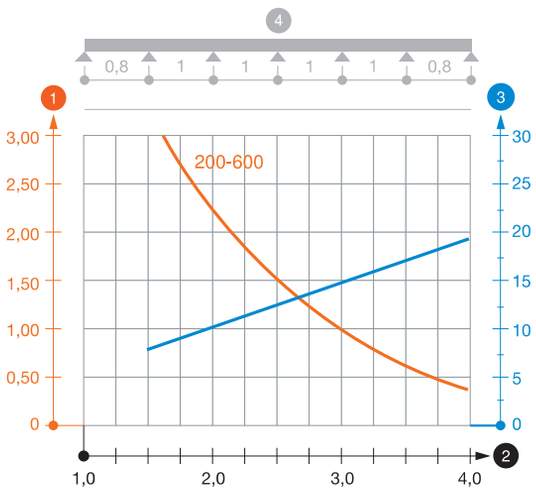
V2A Stainless steel, grade 304 /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

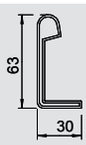
Magnetic shield insulation without cover 10 dB, with cover 15 dB.



Load diagram, LG 60 VS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



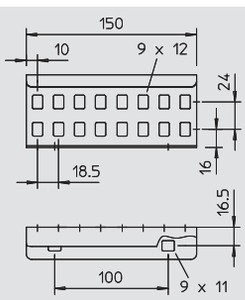
End cap

Type	Colour		Pack. pair	Weight kg/100 pairs	Item No.
SKH 60 OR	Pastel orange		40	1.100	**6222 53 7**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 60 mm.





Straight connector

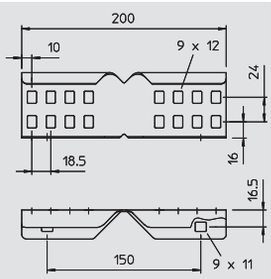
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 60 VA4301	60		20	22.000	**6208 84 6**

V2A Stainless steel, grade 304 /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





Angle connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 VA4301	60		20	24.000	**6208 89 8**

V2A Stainless steel, grade 304 /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Adjustable connector

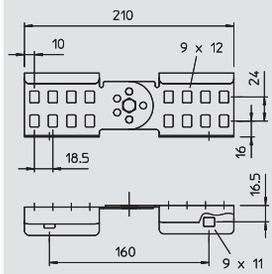


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 VA4301	60		10	29.000	**6208 94 7**

V2A Stainless steel, grade 304 /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



Connector

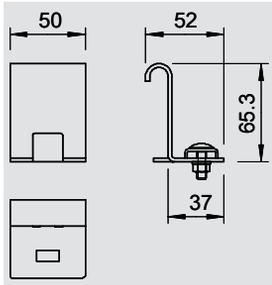


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAS 60 VA4301		10	15.000	**6221 38 6**

V2A Stainless steel, grade 304 /pc.

Connector for creation of branches at the same height at a later date.

To increase the cable supporting surface, use a conjunction of corner plates of type LEB.



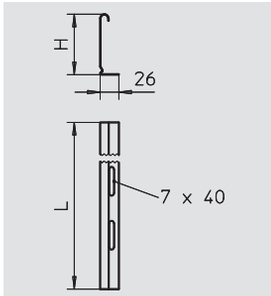
Barrier strip



Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 45 VA4301	45	3,000		3	46.700	**6062 02 5**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.



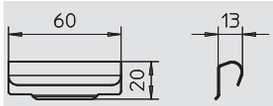
Barrier strip connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



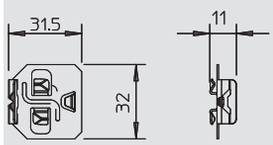
Hold-down clamp for barrier strip fastening



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



90° bend

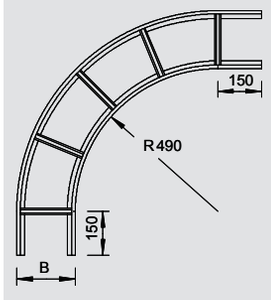


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 620 VS VA	200		1	358.000	**7160 04 6**
LBI 90 630 VS VA	300		1	412.000	**7160 05 4**
LBI 90 640 VS VA	400		1	497.000	**7160 06 2**
LBI 90 650 VS VA	500		1	558.000	**7160 08 9**
LBI 90 660 VS VA	600		1	664.000	**7160 09 7**

V2A Stainless steel, grade 304 /pc.

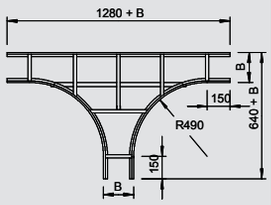
90° bend, horizontal, for cable ladders with VS rungs and a side height of 60 mm.

Connectors should be ordered separately and in the appropriate quantity.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



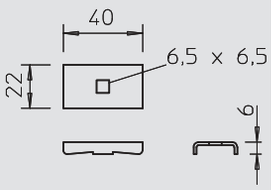
Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 VS VA4301	200		1	677.000	**7162 02 2**
LT 630 VS VA4301	300		1	795.000	**7162 04 9**
LT 640 VS VA4301	400		1	879.000	**7162 05 7**
LT 650 VS VA4301	500		1	962.000	**7162 07 3**
LT 660 VS VA4301	600		1	1,104.000	**7162 08 1**

V2A Stainless steel, grade 304 /pc.

Horizontal tee, for cable ladders with VS rungs and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.





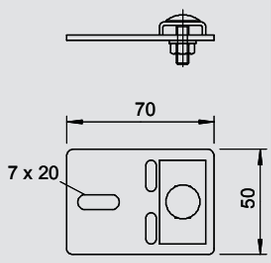
Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 40 VA4301		10	2.500	**6017 13 4**

V2A Stainless steel, grade 304 /pc.

Clamp for fastening cable ladders.





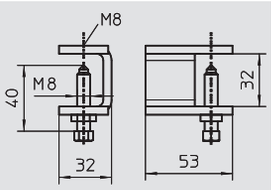
Support

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LAL 70 VA4301		20	10.200	**6221 01 7**

V2A Stainless steel, grade 304 /pc.

Support for fastening rising or falling cable ladders.





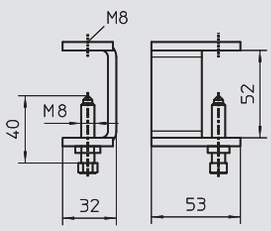
Beam clamp for cable ladders

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KLL 32 VA4301		40	17.100	**6221 06 3**

V2A Stainless steel, grade 304 /pc.

Beam clamp for fastening cable ladders to steel girders.



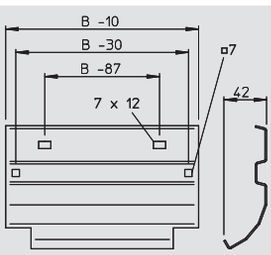


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KLL 52 VA4301		40	21.000	**6221 07 3**

V2A Stainless steel, grade 304 /pc.

Beam clamp for fastening cable ladders to steel girders.





Drop-out plate

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LAB 20 VA4301	200		20	26.000	**7164 01 7**
LAB 30 VA4301	300		25	38.000	**7164 02 5**
LAB 40 VA4301	400		25	50.000	**7164 03 3**
LAB 50 VA4301	500		15	63.000	**7164 04 1**
LAB 60 VA4301	600		15	75.000	**7164 06 8**

V2A Stainless steel, grade 304 /pc.

Exit plate for installation on the rung for vertically exiting cables.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

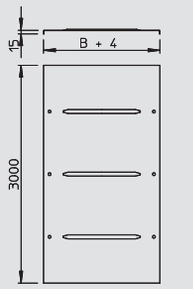


Cover incl. turn-buckle

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL 200 VA4301	200	1	3,000		185.000	**6052 89 4**
DRL 300 VA4301	300	1	3,000		264.000	**6052 90 8**
DRL 400 VA4301	400	1	3,000		340.000	**6052 93 2**
DRL 500 VA4301	500	1.25	3,000		625.000	**6052 95 9**
DRL 600 VA4301	600	1.25	3,000		745.000	**6052 97 5**

V2A Stainless steel, grade 304 /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.
Ensure protective measures for construction if there are high wind speeds.
Transverse bead from 500 mm width.



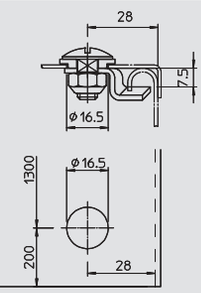


Turn buckle

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DRLM 316 VA4301		10	2.800	**6222 35 8**

V2A Stainless steel, grade 304 /pc.

Turn-buckle for additional installation or installation at a later date.
Single-sided turn-buckle. Use for cover widths of 50 – 600 mm.





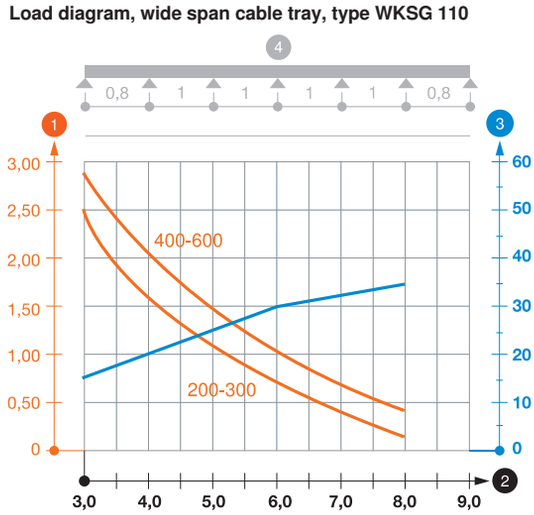
Wide span cable tray WKSG 110

Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²	Appr. load: 4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	8.0 m kN/m	Weight kg/100 m	Item No.
WKSG 120 VA 4301	200	2	6,000	202	1.6	1.1	0.75	0.2	717.000	**6098 16 1**
WKSG 130 VA 4301	300	2	6,000	305	1.6	1.1	0.75	0.2	825.000	**6098 16 5**
WKSG 140 VA 4301	400	2	6,000	408	2	1.5	1	0.4	933.200	**6098 16 9**
WKSG 150 VA 4301	500	2	6,000	511	2	1.5	1	0.4	1,041.200	**6098 17 3**
WKSG 160 VA 4301	600	2	6,000	614	2	1.5	1	0.4	1,149.300	**6098 17 7**

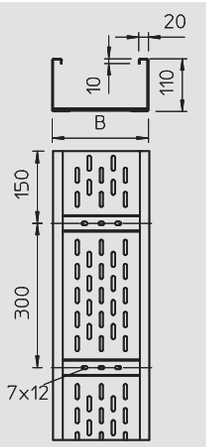
V2A Stainless steel, grade 304 /m

WKSG 110 = wide span cable tray system, perforated, with a side height of 110 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Load diagram, wide span cable tray, type WKSG 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



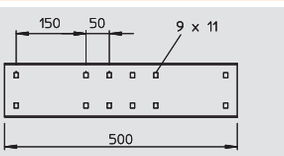


Straight connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 110 VA4301	110		2	143.000	**6091 22 9**

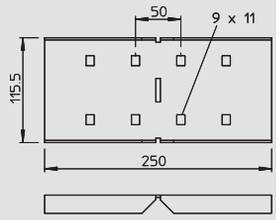
V2A Stainless steel, grade 304 /pc.

Straight connector for connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



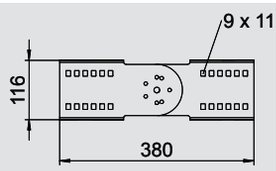
Angle connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 VA4301	110		2	69.000	**6091 39 3**

V2A Stainless steel, grade 304 /pc.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.





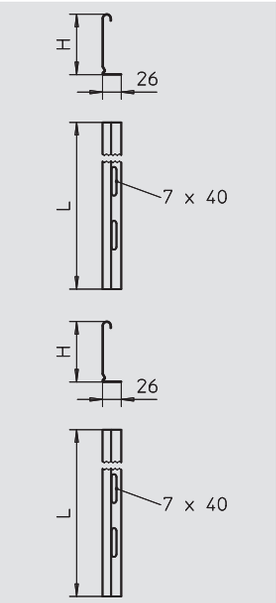
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 VA4301	110		2	120.000	**6091 33 8**

V2A Stainless steel, grade 304 /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.





Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 85 VA4301	85	3,000		3	70.300	**6062 17 3**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.

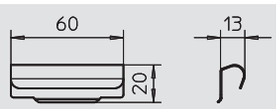


Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 110 VA4301	110	3,000		3	85.000	**6062 25 5**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.





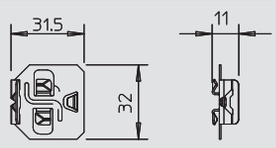
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

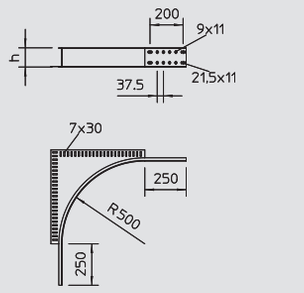
Add-on corner



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WEAS 110 VA4301	110		1	504.000	**6098 48 3**

V2A Stainless steel, grade 304 /pc.

Add-on corner for wide span cable trays and ladders with a side height of 110 mm.



Joint plate

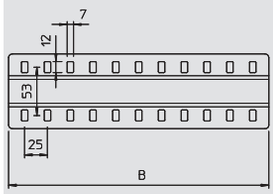


Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 200 VA4301	185	2		20	16.700	**7070 36 1**
SSLB 300 VA4301	285	3		20	25.700	**7070 36 5**
SSLB 400 VA4301	385	4		20	34.700	**7070 36 9**
SSLB 500 VA4301	485	5		20	43.700	**7070 37 3**
SSLB 600 VA4301	585	6		20	52.700	**7070 38 1**

V2A Stainless steel, grade 304 /pc.

Wide joint plate for use in all cable trays and wide span cable trays.

Including appropriate fastening material.



Wide span cable tray WKSG 160



Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²	Appr. load: 4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	8.0 m kN/m	Weight kg/100 m	Item No.
WKSG 162 VA 4301	200	2	6,000	302	2.3	1.8	1.4	0.7	871.800	**6098 57 1**
WKSG 163 VA 4301	300	2	6,000	455	2.3	1.8	1.4	0.7	979.800	**6098 57 3**
WKSG 164 VA 4301	400	2	6,000	608	2.5	2	1.6	1	1,088.000	**6098 57 5**
WKSG 165 VA 4301	500	2	6,000	761	2.5	2	1.6	1	1,196.200	**6098 57 7**
WKSG 166 VA 4301	600	2	6,000	914	2.5	2	1.6	1	1,304.300	**6098 57 9**

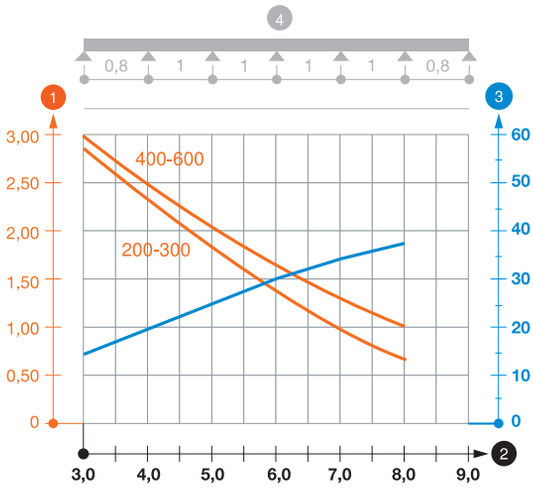
V2A Stainless steel, grade 304 /m

WKSG 110 = wide span cable tray system, perforated, with a side height of 110 mm.

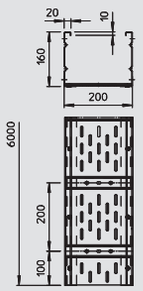
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Load diagram, wide span cable tray, type WKSG 160



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Straight connector

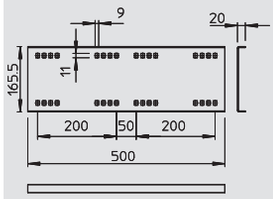


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 160 VA4301	160		2	218.000	**6227 72 4**

V2A Stainless steel, grade 304 /pc.

Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 160 mm.

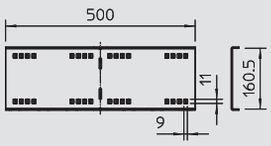
Including appropriate bolts, washers and nuts.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Angle connector



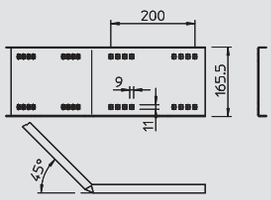
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 160 VA4301	160		2	186.000	**6227 83 6**



V2A Stainless steel, grade 304 /pc.

Angle connector for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

45° angle connector, horizontal

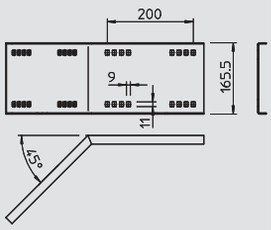


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 I V2A	160		1	239.000	**6227 91 4**



V2A Stainless steel, grade 304 /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.



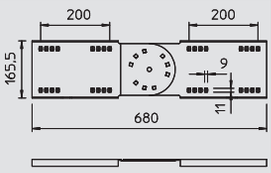
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWV 160 A V2A	160		1	234.000	**6227 86 8**



V2A Stainless steel, grade 304 /pc.

45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

Adjustable connector



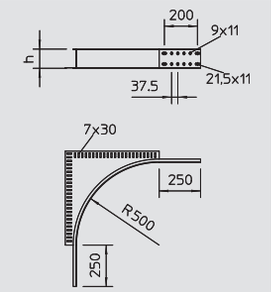
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 160 VA4301	160		2	310.000	**6227 96 5**



V2A Stainless steel, grade 304 /pc.

Articulated connector for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

Add-on corner



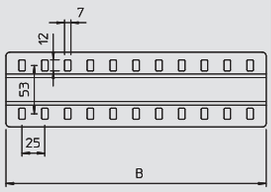
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WEAS 160 VA4301	160		1	702.000	**6098 86 8**



V2A Stainless steel, grade 304 /pc.

Add-on corner for wide span cable trays and ladders with a side height of 110 mm.

Joint plate



Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 200 VA4301	185	2		20	16.700	**7070 36 1**
SSLB 300 VA4301	285	3		20	25.700	**7070 36 5**
SSLB 400 VA4301	385	4		20	34.700	**7070 36 9**
SSLB 500 VA4301	485	5		20	43.700	**7070 37 3**
SSLB 600 VA4301	585	6		20	52.700	**7070 38 1**



V2A Stainless steel, grade 304 /pc.

Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Wide span cable ladder WKLG 110



Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 4.0 m	5.0 m	6.0 m	7.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
WKLG 1120 VA4301	200	2	6,000	186	1.6	1.1	0.8	0.4	567.000	**6311 20 2**
WKLG 1130 VA4301	300	2	6,000	281	1.6	1.1	0.8	0.4	593.000	**6311 20 6**
WKLG 1140 VA4301	400	2	6,000	376	2.1	1.5	1	0.7	620.000	**6311 21 0**
WKLG 1150 VA4301	500	2	6,000	471	2.1	1.5	1	0.7	630.000	**6311 21 4**
WKLG 1160 VA4301	600	2	6,000	566	2.1	1.5	1	0.7	674.000	**6311 21 8**

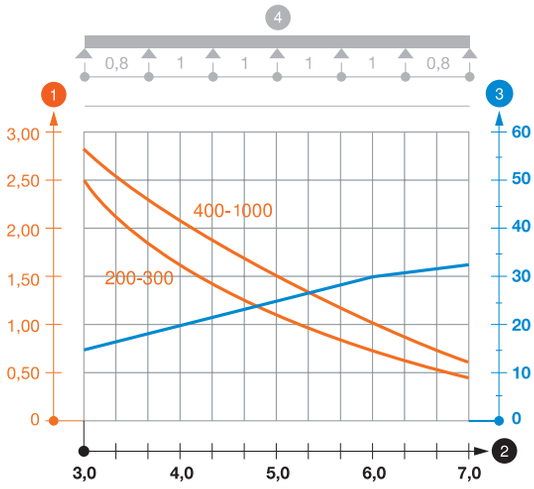
V2A Stainless steel, grade 304 /m

WKLG 110 = wide span cable ladder with perforated side rails of side height of 110 mm.

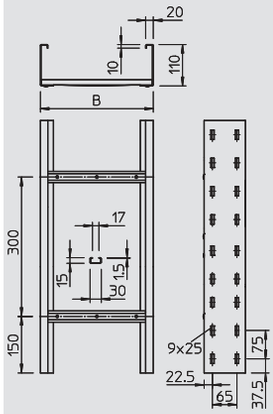
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Load diagram, wide span cable ladder, type WKLG 110.



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



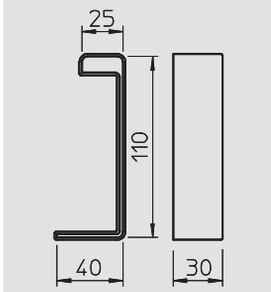
End cap



Type	Colour		Pack.	Weight	Item No.
			pair	kg/100 pairs	
SKHW 110 OR	Pastel orange		20	4.400	**6310 39 8**

PE Polyethylene /pair

End cap to cover the ends of wide span cable ladders.

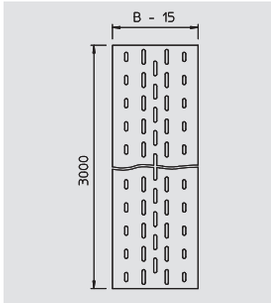


Insert plate

Type	Width	Length		Weight	Item No.
	mm	mm		kg/100 m	
ELB-L20 VA4301	200	3,000		132.000	**6103 61 4**
ELB-L30 VA4301	300	3,000		199.000	**6103 61 8**
ELB-L40 VA4301	400	3,000		264.000	**6103 62 2**
ELB-L50 VA4301	500	3,000		330.000	**6103 62 6**
ELB-L60 VA4301	600	3,000		395.000	**6103 63 0**

V2A Stainless steel, grade 304 /m

Insert plate for use in cable ladders.



Straight connector

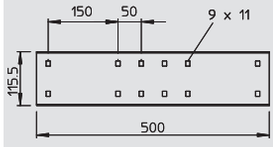


Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
WRVL 110 VA4301	110		2	143.000	**6091 22 9**

V2A Stainless steel, grade 304 /pc.

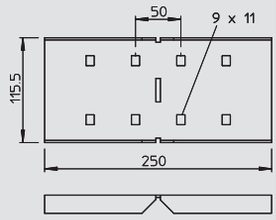
Straight connector for connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



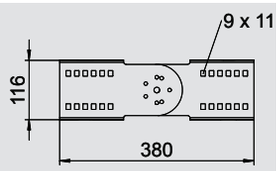
Angle connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 VA4301	110		2	69.000	**6091 39 3**

V2A Stainless steel, grade 304 /pc.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.





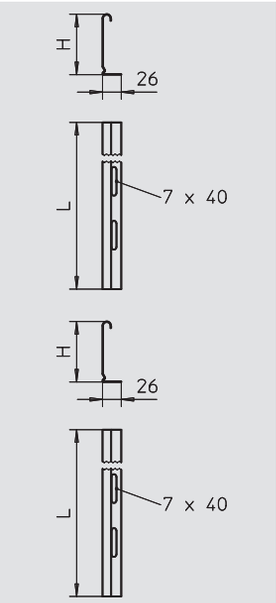
Adjustable connector

Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 VA4301	110		2	120.000	**6091 33 8**

V2A Stainless steel, grade 304 /pc.

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.





Barrier strip

Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 85 VA4301	85	3,000		3	70.300	**6062 17 3**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.

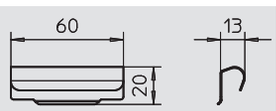


Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 110 VA4301	110	3,000		3	85.000	**6062 25 5**

V2A Stainless steel, grade 304 /m

Barrier strip for separation of cables of different voltages or functions.





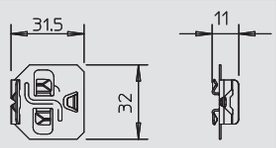
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

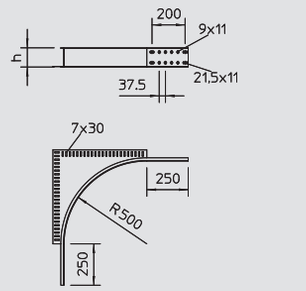
Add-on corner



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WEAS 110 VA4301	110		1	504.000	**6098 48 3**

V2A Stainless steel, grade 304 /pc.

Add-on corner for wide span cable trays and ladders with a side height of 110 mm.



90° bend

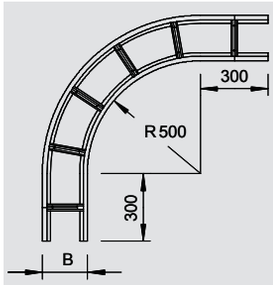


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 112VA4301	200		1	900.000	**6312 53 9**
WLB 90 113VA4301	300		1	1,030.000	**6312 54 1**
WLB 90 114VA4301	400		1	1,105.000	**6312 54 3**
WLB 90 115VA4301	500		1	1,230.000	**6312 54 5**
WLB 90 116VA4301	600		1	1,330.000	**6312 54 7**

V2A Stainless steel, grade 304 /pc.

90° bend, horizontal, for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.



Tee

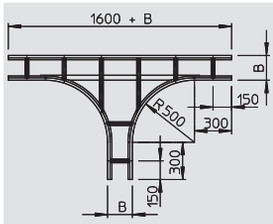


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1120 VA4301	–		1	1,750.000	**6312 80 2**
WLT 1130 VA4301	–		1	1,870.000	**6312 80 4**
WLT 1140 VA4301	–		1	1,990.000	**6312 80 6**
WLT 1150 VA4301	–		1	2,147.000	**6312 80 8**
WLT 1160 VA4301	–		1	2,340.000	**6312 81 0**

V2A Stainless steel, grade 304 /pc.

Horizontal tee, for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.



Hold-down clamp

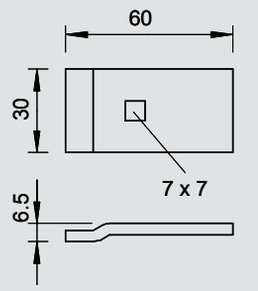


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS 60 4 VA4301		50	8.000	**6221 13 0**

V2A Stainless steel, grade 304 /pc.

Clamp for fastening cable ladders.

Fastening on brackets, type AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.



Cover incl. turn-buckles



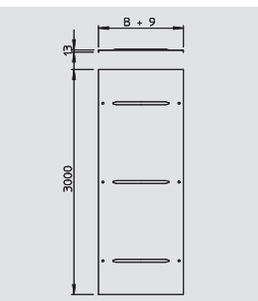
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
WDRL 1116 20 V2A	200	1.5	3,000		193.340	**6227 36 0**
WDRL 1116 30 V2A	300	1.5	3,000		272.000	**6227 36 2**
WDRL 1116 40 V2A	400	1.5	3,000		521.070	**6227 36 4**
WDRL 1116 50 V2A	500	1.5	3,000		760.000	**6227 36 6**
WDRL 1116 60 V2A	600	1.5	3,000		745.000	**6227 36 8**

V2A Stainless steel, grade 304 /m

Lid for wide span trays and ladders with the side height 110 and 160 mm.

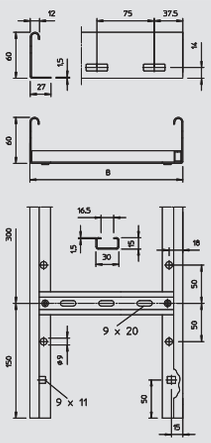
Ensure protective measures for construction if there are high wind speeds.

Cross beading from 500 mm width.
If a sash lock is installed at a later time, the following dimensions of the drill hole arrangement should be maintained.



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Vertical cable ladder

Type	Width	Rail thickness	Length	Appr. load: 2.0 m	2.5 m	3.0 m	4.0 m	Weight	Item No.
	mm	mm	mm	kN/m	kN/m	kN/m	kN/m	kg/100 m	
LG 620 VS VA4301	200	1.5	6,000	2.25	1.5	1	0.4	273.800	**6208 70 0**
LG 630 VS VA4301	300	1.5	6,000	2.25	1.5	1	0.4	298.000	**6208 70 3**
LG 640 VS VA4301	400	1.5	6,000	2.25	1.5	1	0.4	322.200	**6208 70 6**
LG 650 VS VA4301	500	1.5	6,000	2.25	1.5	1	0.4	346.300	**6208 70 9**
LG 660 VS VA4301	600	1.5	6,000	2.25	1.5	1	0.4	378.300	**6208 71 2**

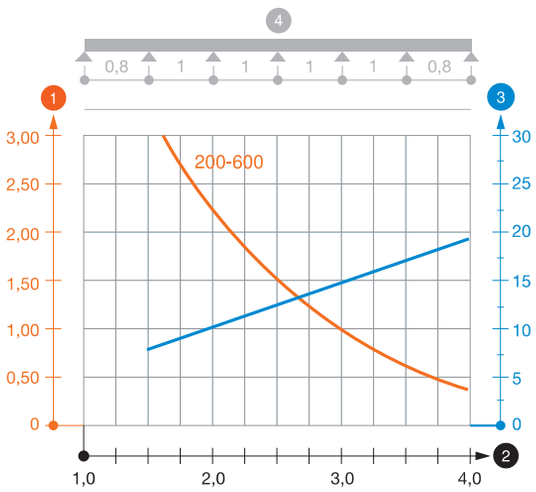
V2A Stainless steel, grade 304 /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

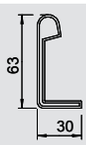
Magnetic shield insulation without cover 10 dB, with cover 15 dB.



Load diagram, LG 60 VS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width



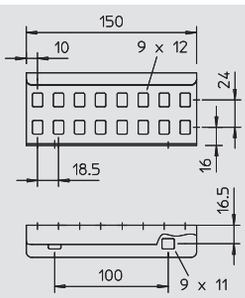
End cap

Type	Colour		Pack.	Weight	Item No.
			pair	kg/100 pairs	
SKH 60 OR	Pastel orange		40	1.100	**6222 53 7**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 60 mm.





Straight connector

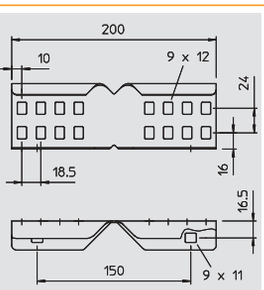
Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
LVG 60 VA4301	60		20	22.000	**6208 84 6**

V2A Stainless steel, grade 304 /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.





Angle connector

Type	Side height		Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
LWVG 60 VA4301	60		20	24.000	**6208 89 8**

V2A Stainless steel, grade 304 /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

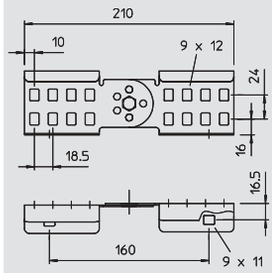
Adjustable connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 VA4301	60		10	29.000	**6208 94 7**

V2A Stainless steel, grade 304 /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.
The bolt fastening ensures the continuity of the equipotential bonding.



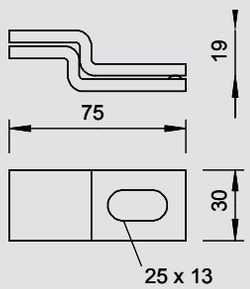
Wall bracket



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
WB 30 75 VA4301		10	20.000	**6019 66 8**

V2A Stainless steel, grade 304 /pc.

Wall bracket for fastening vertical ladders, type LG 60, to concrete walls and masonry.



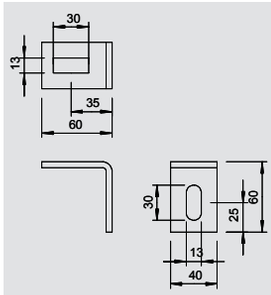
Mounting angle



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
BW 60 40 VA4301		10	22.000	**6019 58 7**

V2A Stainless steel, grade 304 /pc.

Mounting angle of limb dimension 60 x 60 mm.
Including truss-head bolt M12 x 25.



U clamp



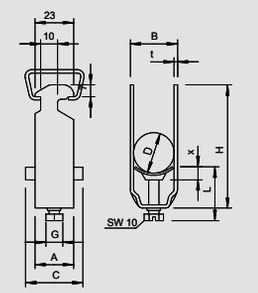
Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 VA	8-12	40	34	1.5		100	3.300	**1159 51 8**
2056 16 VA	12-16	44	34	1.5		100	3.600	**1159 52 6**
2056 22 VA	16-22	50	34	1.5		100	4.200	**1159 53 4**
2056 28 VA	22-28	58	34	2		100	6.500	**1159 54 2**
2056 34 VA	28-34	66	37.5	2		100	7.400	**1159 55 0**
2056 40 VA	34-40	72	37.5	2		100	8.000	**1159 56 9**
2056 46 VA	40-46	79	44.5	2		100	10.900	**1159 57 7**
2056 52 VA	46-52	86	45.5	2		100	11.400	**1159 58 5**
2056 58 VA	52-58	93	45.5	2.5		100	14.500	**1159 59 3**
2056 64 VA	58-64	99	45.5	2.5		100	15.600	**1159 60 7**
2056 70 VA	64-70	106	45.5	2.5		50	18.200	**1159 61 5**
2056 76 VA	70-76	114	45.5	2.5		25	20.800	**1159 62 3**

V2A Stainless steel, grade 304 /100 pc.

Suitable for all C profile rails with slot width 16–17 mm.
Clamp and bolt. Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

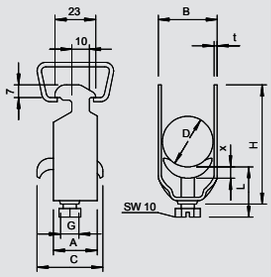
Important dimensions, clamp clip

D mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8 - 12	23	16	34	M6	1.5	5	40	34
12 - 16	23	20	34	M6	1.5	5	44	34
16 - 22	23	27	34	M6	1.5	5	50	34
22 - 28	23	33	34	M6	2	5	58	34
28 - 34	23	39	34	M8	2	5.5	66	37.5
34 - 40	23	45	34	M8	2	5.5	72	37.5
40 - 46	23	51	34	M8	2	5.5	79	44.5
46 - 52	23	57	40	M8	2	6.5	86	45.5
52 - 58	23	64	40	M8	2.5	6.5	93	45.5
58 - 64	23	70	40	M8	2.5	6.5	99	45.5
64 - 70	25	76	40	M8	2.5	6.5	106	45.5
70 - 76	25	82	40	M8	2.5	6.5	114	45.5



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



U clamp



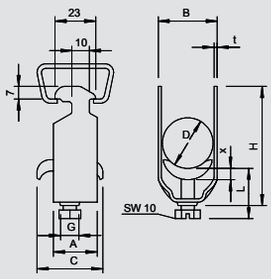
Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M 12 VA	8-12	44	32.5	1.5		50	3.200	**1159 71 2**
2056 M 16 VA	12-16	44	32.5	1.5		50	3.500	**1159 71 6**
2056 M 22 VA	16-22	60	32.5	1.5		50	4.400	**1159 72 2**
2056 M 28 VA	22-28	58	44	2		50	6.100	**1159 72 8**
2056 M 34 VA	28-34	66	44	2		50	7.700	**1159 73 4**
2056 M 40 VA	34-40	72	44	2		25	8.600	**1159 74 0**
2056 M 46 VA	40-46	79	44	2		25	9.600	**1159 74 6**
2056 M 52 VA	46-52	86	44	2		25	10.400	**1159 75 2**
2056 M 58 VA	52-58	93	44	2		15	13.100	**1159 75 8**
2056 M 64 VA	58-64	99	56	2.5		15	14.500	**1159 76 4**
2056 M 70 VA	64-70	106	56	2.5		15	16.100	**1159 77 0**
2056 M 76 VA	70-76	114	56	2.5		10	18.300	**1159 77 6**

V2A Stainless steel, grade 304 /100 pc.

Suitable for all C profile rails with slot width 16–17 mm.
Clamp, bolt and pressure sleeve all made of stainless steel.

Important clamp clip dimensions

D mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	30	M6	1.5	3.5	44	32.5
12–16	23	20	30	M6	1.5	3.5	44	32.5
16–22	23	27	30	M6	1.5	4.5	60	46.5
22–28	23	33	30	M6	2	4.5	58	46.5
28–34	23	39	35	M8	2	5	66	44
34-40	23	45	35	M8	2	5	72	44
40–46	23	51	35	M8	2	5	79	44
46–52	23	57	35	M8	2	5	86	44
52–58	23	64	35	M8	2.5	5	93	44
58–64	23	70	35	M8	2.5	5	99	56
64–70	25	76	35	M8	2.5	5	106	56
70–76	25	82	40	M8	2.5	5	114	56



U clamp



Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M2 12 VA	8-12	52	34	1.5		50	3.980	**1161 91 2**
2056 M2 16 VA	12-16	61	34	1.5		50	4.750	**1161 91 6**
2056 M2 22 VA	16-22	73	47	1.5		50	6.900	**1161 92 2**
2056 M2 28 VA	22-28	87	47	2		50	7.800	**1161 92 8**
2056 M2 34 VA	28-34	–	–	2		50	10.030	**1161 93 4**
2056 M2 40 VA	34-40	–	–	2		25	11.205	**1161 94 0**
2056 M2 46 VA	40-46	–	–	2		25	13.300	**1161 94 6**
2056 M2 52 VA	46-52	–	–	2.5		25	14.400	**1161 95 2**
2056 M2 58 VA	52-58	–	–	2.5		25	18.550	**1161 95 8**
2056 M2 64 VA	58-64	–	–	2.5		15	20.010	**1161 96 4**

V2A Stainless steel, grade 304 /100 pc.

Suitable for all C profile rails with slot width 16–17 mm.
Clamp, bolt and pressure sleeve all made of stainless steel.

Important clamp clip dimensions

D mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8–12	23	16	34	M6	1.5	5	52	34
12–16	23	20	34	M6	1.5	5	61	34
16–22	23	27	34	M6	1.5	5	73	47
20–28	23	33	34	M6	2	5	87	47
28–34	23	39	33	M8	2	5	101	45
34–40	23	45	33	M8	2	5	114	45
40–46	23	51	33	M8	2	5	129	47
46–52	23	57	33	M8	2.5	5	142	47
52–58	23	64	33	M8	2.5	5	154	47
58–64	23	70	33	M8	2.5	5	167	47

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

U clamp



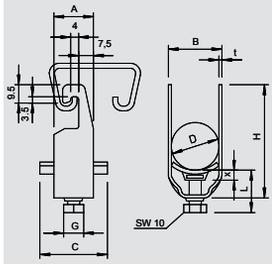
Type	Clamping range D mm	Dimension H mm	Dimension L mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 12 VA	8-12	42	34	1.5		100	3.000	**1178 50 4**
2056U 16 VA	12-16	46	34	1.5		100	3.200	**1178 51 2**
2056U 22 VA	16-22	53	34	1.5		100	3.800	**1178 52 0**
2056U 28 VA	22-28	59	34	2		100	5.350	**1178 53 9**
2056U 34 VA	28-34	67	37.5	2		100	7.200	**1178 54 7**
2056U 40 VA	34-40	73	37.5	2		100	8.100	**1178 55 5**
2056U 46 VA	40-46	79	37.5	2		100	9.900	**1178 56 3**
2056U 52 VA	46-52	85	38.5	2		100	11.200	**1178 57 1**
2056U 58 VA	52-58	91	38.5	2.5		100	13.400	**1178 59 8**
2056U 64 VA	58-64	97	38.5	2.5		100	14.300	**1178 60 1**
2056U 70 VA	64-70	103	38.5	2.5		50	20.500	**1178 62 8**
2056U 76 VA	70-76	110	45.5	2.5		25	19.100	**1178 63 6**

V2A Stainless steel, grade 304 /100 pc.

Suitable for all C profile rails with slot width 18 and 22 mm. Also suitable for flat, angle and U steel of 4 - 12 mm material thickness.
Stainless steel clip and bolt.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Important dimensions, clamp clip

D mm	A mm	B mm	C mm	G	t mm	x mm	H mm	L mm
8 - 12	20	16	34	M6	1.5	5	42	34
12 - 16	20	20	34	M6	1.5	5	46	34
16 - 22	20	27	34	M6	1.5	5	53	34
22 - 28	20	33	34	M6	2	5	59	34
28 - 34	20	39	34	M8	2	5.5	67	37.5
34 - 40	20	45	34	M8	2	5.5	73	37.5
40 - 46	20	51	40	M8	2	5.5	79	37.5
46 - 52	20	57	40	M8	2	6.5	85	38.5
52 - 58	23	64	40	M8	2.5	6.5	91	38.5
58 - 64	23	70	40	M8	2.5	6.5	97	38.5
64 - 70	23	76	40	M8	2.5	6.5	103	38.5
70 - 76	25	82	40	M8	2.5	6.5	110	45.5



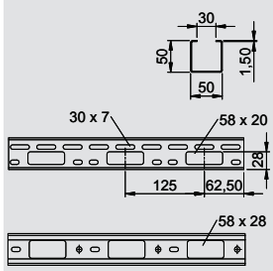
AZ channel



Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 050 VA4301	50	1.5	3,000		137.000	**6075 15 0**

V2A Stainless steel, grade 304 /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

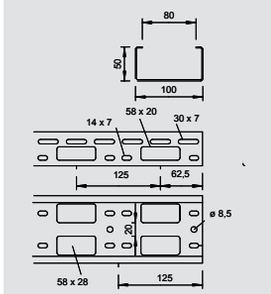




Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 100 VA4301	100	1.5	3,000		180.000	**6075 30 4**

V2A Stainless steel, grade 304 /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

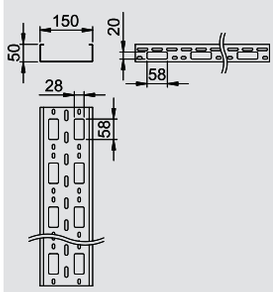




Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 150 VA4301	150	1.5	3,000		231.700	**6075 33 0**

V2A Stainless steel, grade 304 /m

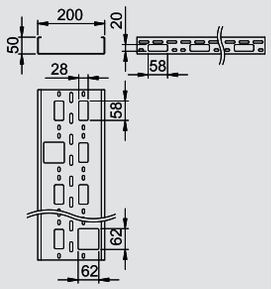
AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

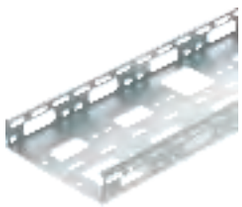
AZ channel

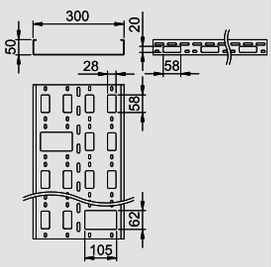


Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 200 VA4301	200	1.5	3,000		280.300	**6075 35 5**

V2A Stainless steel, grade 304 /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

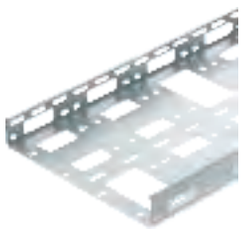




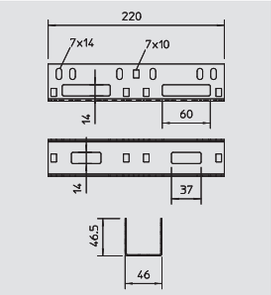
Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 300 VA4301	300	1.5	3,000		359.300	**6075 38 0**

V2A Stainless steel, grade 304 /m

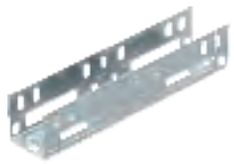
AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



Straight connector



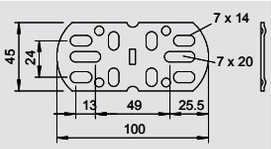
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VF AZK 50 VA4301		25	27.200	**6066 62 9**



V2A Stainless steel, grade 304 /pc.

Straight connector for connection of luminaire support channels and AZ channels.
An adjustable connector can be created using two straight and angle connectors.

Straight and angle connector



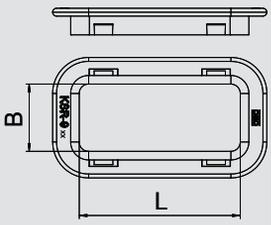
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VF AZK VA4301		10	7.000	**6066 56 9**



V2A Stainless steel, grade 304 /pc.

Straight and angle connector for connection of AZ channels.
An adjustable connector can be created using two straight and angle connectors. Scope of delivery includes bolts and nuts.

Cable protection ring

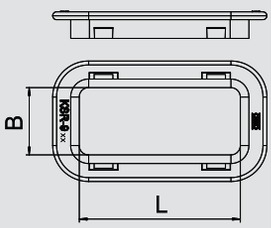


Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.

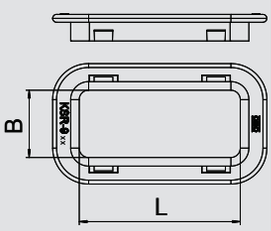


Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-915 PE	Light grey	28 x 58		25	0.500	**6066 70 4**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.



Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-920 PE	Light grey	62 x 62		25	0.680	**6066 69 6**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

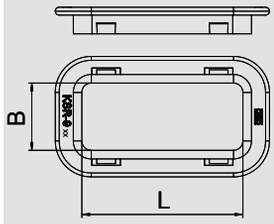
Cable protection ring



Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-925 PE	Light grey	105 x 62		25	0.920	**6066 68 8**

PE Polyethylene /pc.

Cable protection ring for bottom perforations in AZ channels and luminaire support channels.



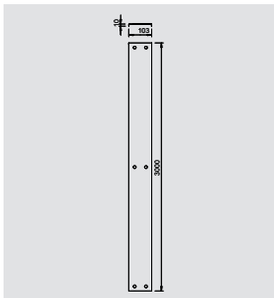
Cover incl. turn buckle



Type	Width mm	Length mm		Weight kg/100 m	Item No.
AZDMD 50 VA4301	53	3,000		57.300	**6080 19 7**
AZDMD 100 VA4301	103	3,000		93.330	**6080 29 4**
AZDMD 150 VA4301	153	3,000		132.700	**6080 87 0**
AZDMD 200 VA4301	203	3,000		172.000	**6080 89 5**
AZDMD 300 VA4301	303	3,000		258.000	**6080 92 0**

V2A Stainless steel, grade 304 /m

Cover with turn buckle for AZ channel.



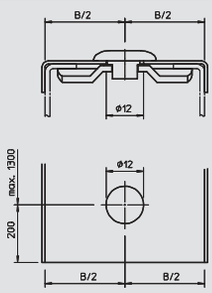
Turn buckle



Type	For width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZDR 50 VA4301	50		10	2.800	**6065 30 9**

V2A Stainless steel, grade 304 /pc.

Turn buckle for installation in the cover for AZ channel of width 50 mm at a later date.

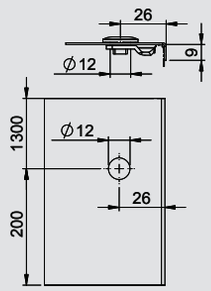


Type	For width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
AZDR 100 VA4301	100		10	2.600	**6065 31 7**



V2A Stainless steel, grade 304 /pc.

Turn buckle for installation in the cover for AZ channel and BKK system at a later date.



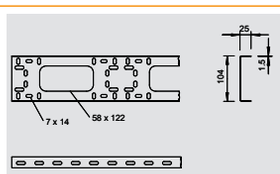
BKK basic profile



Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 104 VA4301	1.5	104 x 25	3,000		140.000	**6070 77 9**

V2A Stainless steel, grade 304 /m

BKK basic profile for creation of individual cable trays.



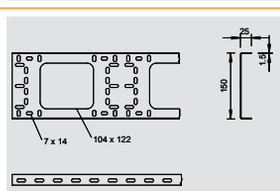
BKK basic profile



Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 150 VA4301	1.5	150 x 25	3,000		163.000	**6070 78 7**

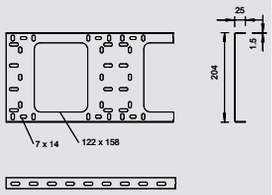
V2A Stainless steel, grade 304 /m

BKK basic profile for creation of individual cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



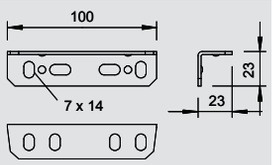
BKK basic profile

Type	Plate thickness mm	Dimension mm	Length mm		Weight kg/100 m	Item No.
BKK 200 VA4301	1.5	200 x 25	3,000		230.000	**6070 79 5**

V2A Stainless steel, grade 304 /m

BKK basic profile for creation of individual cable trays.





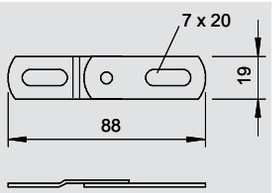
Joint connector

Type	Plate thickness mm	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SSV VA4301	2	23 x 23 x 100		25	9.800	**6066 05 4**

V2A Stainless steel, grade 304 /pc.

Joint connector for horizontal connection of BKK basic profiles.





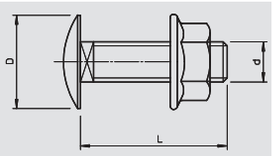
Adjustable connector

Type	Plate thickness mm	Dimension mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV VA4301	2	86 x 23		50	4.800	**6066 93 3**

V2A Stainless steel, grade 304 /pc.

Hinge connector for vertical connections of BKK systems.



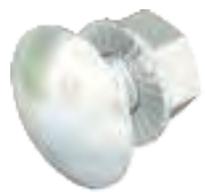


Truss-head bolt with flange nut

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 VA4301	M6 x 12	12	6	13.5		100	0.830	**6406 13 8**
FRSB 6X16 VA4301	M6 x 16	16	6	13.5		100	0.800	**6406 18 9**

V2A Stainless steel, grade 304 /100 pc.

Truss-head bolt with square neck including flange nut



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Stainless steel systems, grade 316

	Stainless steel components, grade 316	Supports Brackets	459 461
		Cable trays	464
		Mesh cable trays	472
		Cable ladders	477

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

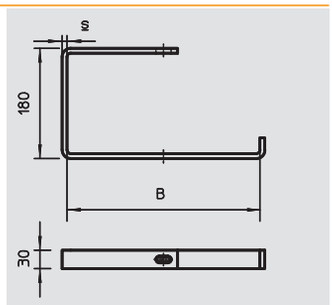


Ceiling bracket

Type	Width mm	Dimension s mm	Hole-Ø mm	F in ceiling kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AHB 100 VA4571	100	6	11	0.6		1	53.000	**6363 90 5**
AHB 150 VA4571	150	8	11	0.6		1	86.000	**6363 90 9**
AHB 200 VA4571	200	8	11	0.6		1	100.000	**6363 91 3**
AHB 300 VA4571	300	8	11	0.35		1	128.000	**6363 94 0**
AHB 400 VA4571	400	8	11	0.3		1	155.000	**6363 94 8**

V4A Stainless steel, grade 316 Ti /pc.

Ceiling bracket for cable support systems.



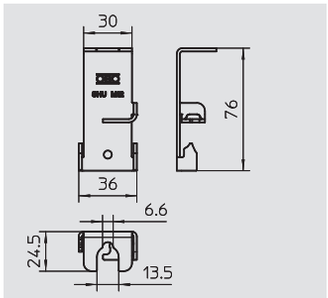


Side holder, universal

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
SHU M12 VA4571		50	5.100	**6015 32 8**

V4A Stainless steel, grade 316 Ti /pc.

Side holder to fasten cable trays, mesh cable trays and cable ladders to walls or ceilings using a threaded rod.



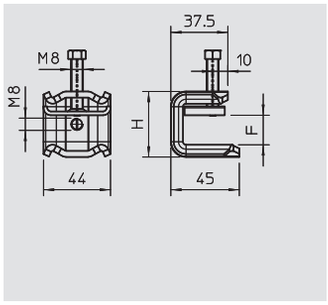


Beam clamp

Type	Flange thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 6-21 V4A	6-21		50	18.200	**1486 25 8**

V4A Stainless steel, grade 316 L /100 pc.

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.



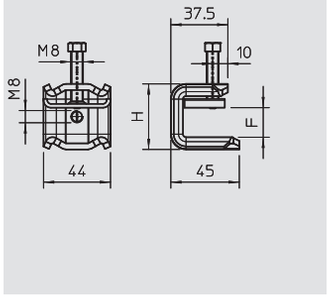


Beam clamp

Type	Flange thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SPP 20-40 V4A	20-40		50	21.200	**1486 27 8**

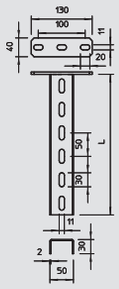
V4A Stainless steel, grade 316 L /100 pc.

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm and is tightened using the appropriate tool with a tightening torque of 5 Nm. If necessary, the double nipple, type 3100 M8, or an M8 threaded rod can be used on the clip element. The maximum permissible load is 130 kg in horizontal as well as vertical direction.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 3 support



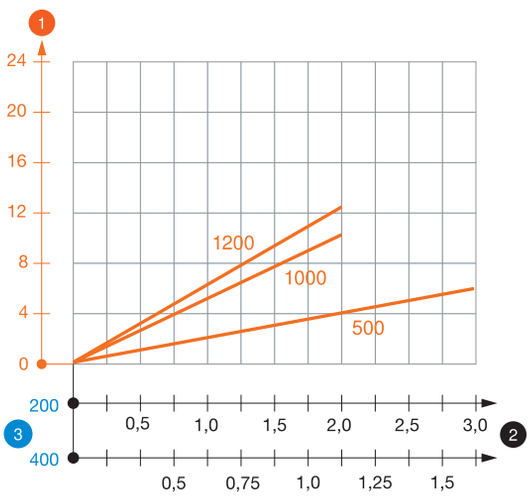
Type	Length	Material thickness	Bracket length 200	Bracket length 400	Pack.	Weight	Item No.
	mm	mm	kN	kN	pcs	kg/100 pcs.	
US 3 K 20VA4571	200	2	2.7	1.5	1	44.000	**6342 37 5**
US 3 K 30VA4571	300	2	2.7	1.5	1	58.000	**6342 53 0**
US 3 K 40VA4571	400	2	2.7	1.5	1	71.000	**6342 37 9**
US 3 K 50VA4571	500	2	2.7	1.5	1	84.000	**6342 38 1**
US 3 K 60VA4571	600	2	2.1	1.1	1	97.000	**6342 38 9**
US 3 K 70VA4571	700	2	2.1	1.1	1	110.000	**6342 39 1**
US 3 K 80VA4571	800	2	2.1	1.1	1	123.000	**6342 39 3**
US 3 K 90VA4571	900	2	2.1	1.1	1	137.000	**6342 39 5**
US 3 K 100VA4571	1,000	2	2.1	1.1	1	150.000	**6342 39 7**
US 3 K110 VA4571	1,100	2	2.1	1.1	1	166.000	**6342 39 6**
US 3 K120 VA4571	–	2	2.1	1.1	1	110.000	**6342 39 8**

V4A Stainless steel, grade 316 Ti Stained /pc.

Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. In the case of bracket mounting on both sides, or when mounting the bracket at the end of the suspended support, use the spacer of type DSK 25.

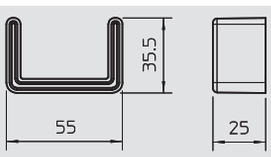
Load diagram, U support, type US 3 K



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 3 K suspended support

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).



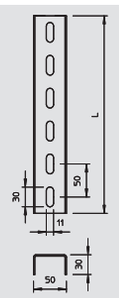
End cap



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 3 KS OR	Pastel orange		20	1.070	**6338 45 8**

PE Polyethylene /pc.

End cap to cover the ends of US 3 supports.



US 3 support



Type	Length	Material thickness		Pack.	Weight	Item No.
	mm	mm		pcs	kg/100 pcs.	
US 3 30 VA4571	300	2		1	40.000	**6342 48 5**
US 3 50 VA4571	500	2		1	66.000	**6342 48 8**
US 3 100 VA4571	1,000	2		1	132.000	**6342 49 1**
US 3 150 VA4571	1,500	2		1	198.000	**6342 49 4**
US 3 200 VA4571	2,000	2		1	263.000	**6342 49 7**
US 3 600 VA4571	6,000	2		1	790.000	**6342 50 5**

V4A Stainless steel, grade 316 Ti Stained /pc.

U support in fixed lengths. Dimensions 30 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

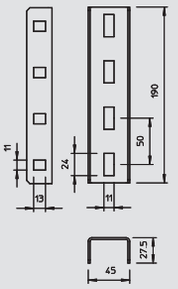
U support connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VUS 3 VA4571		10	48.000	**6018 52 0**

V4A Stainless steel, grade 316 Ti /pc.

U support connector to connect US 3 supports.



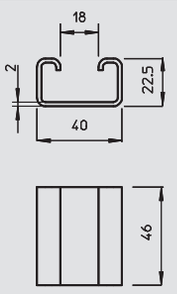
Spacer



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 25 VA4571		25	7.500	**6416 45 0**

V4A Stainless steel, grade 316 Ti /pc.

Spacer for use in U supports.



Head plate

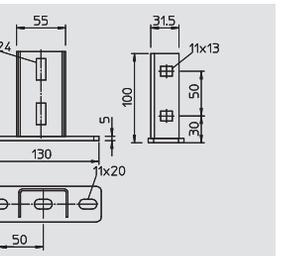


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 VA4571		10	41.000	**6348 87 7**

V4A Stainless steel, grade 316 Ti Stained /pc.

Head plate for mounting on US 3 supports.

The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.



Head plate, variable

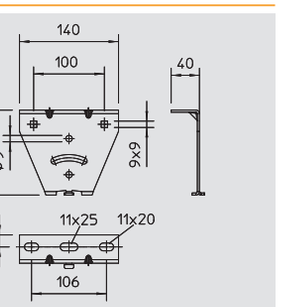


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 3 V VA4571		20	26.700	**6348 88 5**

V4A Stainless steel, grade 316 Ti /pc.

Head plate for installation on US 3 supports and profile rails, type 2068.

The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type 2068.



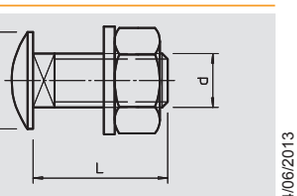
Truss-head bolt



Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10X20 VA4401	1.44	M10 x 20	20	10	24	50	4.000	**6406 87 0**

V4A Stainless steel, grade 316 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



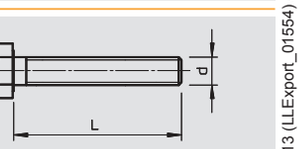
Hexagonal bolt



Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 VA4401	1.44	M10 x 80	80	10	17	20	7.800	**6418 24 8**

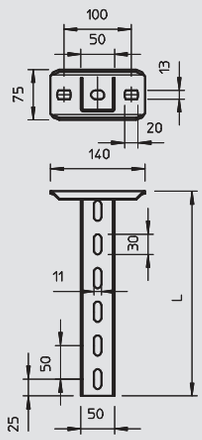
V4A Stainless steel, grade 316 /100 pc.

Hexagonal bolt for universal fastening of construction components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



US 5 support

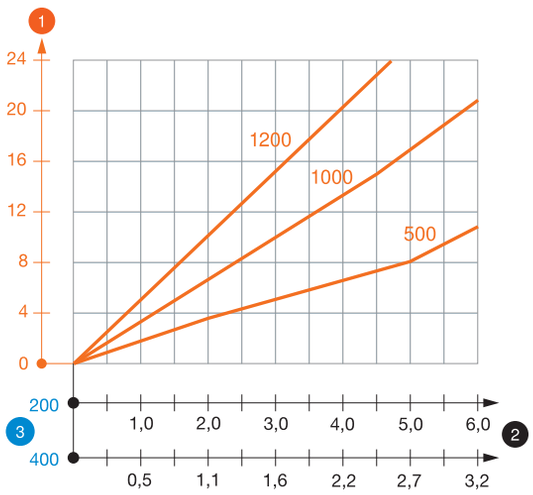


Type	Length	Material thickness	Bracket length 200	Bracket length 400	Pack.	Weight	Item No.
	mm	mm	kN	kN	pcs	kg/100 pcs.	
US 5 K 20 VA4571	200	2.5	5.75	3.1	1	100.000	**6341 20 9**
US 5 K 30 VA4571	300	2.5	5.75	3.1	1	125.000	**6341 21 3**
US 5 K 40 VA4571	400	2.5	5.75	3.1	1	150.000	**6341 21 7**
US 5 K 50 VA4571	500	2.5	5.75	3.1	1	175.000	**6341 22 1**
US 5 K 60 VA4571	600	2.5	5.75	3.1	1	200.000	**6341 22 5**
US 5 K 70 VA4571	700	2.5	5.75	3.1	1	225.000	**6341 22 8**
US 5 K 80 VA4571	800	2.5	5.75	3.1	1	255.000	**6341 23 3**
US 5 K 90 VA4571	900	2.5	5.75	3.1	1	280.000	**6341 23 7**
US 5 K 100VA4571	1,000	2.5	5.75	3.1	1	300.000	**6341 24 1**
US 5 K 110VA4571	1,100	2.5	4	2.2	1	360.000	**6341 24 5**
US 5 K 120VA4571	1,200	2.5	4	2.2	1	360.000	**6341 24 9**

V4A Stainless steel, grade 316 Ti Stained /pc.

U support with welded head plate.
For fastening to horizontal concrete ceilings and steel girders.
In the case of bracket installation on both sides, or when installing the bracket at the end of the support, use the spacer of type DSK 45.

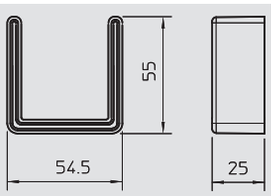
Load diagram, U support, type US 5 K VA



1 Bending of the end of the suspended support at permitted bracket load
2 Permitted bracket load in kN without man load
3 Bracket length in mm
— Load curves with support lengths in mm

Characteristic anchor load values for US 5 K support

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing ai = 10 cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



End cap



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
US 5 KS OR	Pastel orange		20	1.300	**6338 46 2**

PE Polyethylene /pc.

End cap to cover the ends of US 5 supports.



US 5 support



Type	Length	Material thickness		Pack.	Weight	Item No.
	mm	mm		pcs	kg/100 pcs.	
US 5 30 VA4571	300	2.5		1	73.000	**6341 05 3**
US 5 40 VA4571	400	2.5		1	97.000	**6341 05 5**
US 5 50 VA4571	500	2.5		1	121.000	**6341 05 7**
US 5 60 VA4571	600	2.5		1	145.000	**6341 05 9**
US 5 80 VA4571	800	2.5		1	193.000	**6341 06 3**
US 5 90 VA4571	900	2.5		1	217.000	**6341 06 5**
US 5 300 VA4571	3,000	2.5		1	726.000	**6341 07 3**

V4A Stainless steel, grade 316 Ti /pc.

U support in fixed lengths. Dimensions 50 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



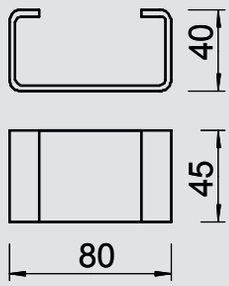
Spacer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 45 VA4571		25	15.000	**6416 46 2**

V4A Stainless steel, grade 316 Ti /pc.

Spacer for use in U 5 supports.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the throughout hexagonal bolt.





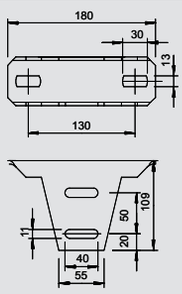
Head plate

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KU 5 V VA4571		4	81.000	**6348 92 7**

V4A Stainless steel, grade 316 Ti Stained /pc.

Variable head plate for installation on US 5 support.

The spacer, type DSK 47, is used to install the head plate.





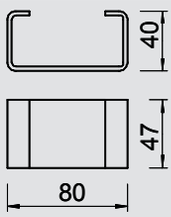
Spacer

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DSK 47 VA4571		25	16.000	**6416 51 1**

V4A Stainless steel, grade 316 Ti /pc.

Spacer for use in head plate, type KU 5 V.

For static reasons, the spacer is always used to increase stability to prevent the head plate from deforming when the bolts are tightened.



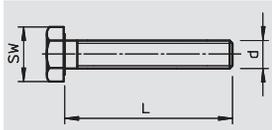


Hexagonal bolt

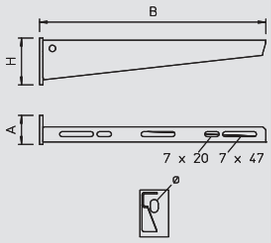
Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10X80 VA4401	1.44	M10 x 80	80	10	17		20	7.800	**6418 24 8**

V4A Stainless steel, grade 316 /100 pc.

Hexagonal bolt for universal fastening of construction components.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Wall and support bracket AW 15



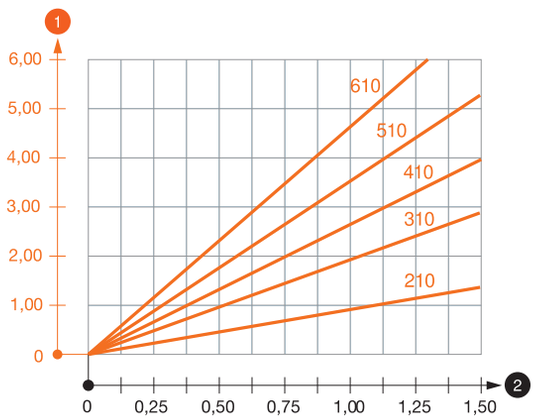
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW 15 11 VA4571	110	50	40	11	1.5		30	14.100	**6392 00 8**
AW 15 21 VA4571	210	60	40	11	1.5		30	25.600	**6392 01 6**
AW 15 31 VA4571	310	65	40	11	1.5		30	35.200	**6392 02 4**
AW 15 41 VA4571	410	70	40	11	1.5		30	55.000	**6392 03 2**
AW 15 51 VA4571	510	75	40	11	1.5		20	68.000	**6392 04 0**
AW 15 61 VA4571	610	80	40	11	1.5		20	85.000	**6392 05 9**

V4A Stainless steel, grade 316 Ti Stained /pc.

Light-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

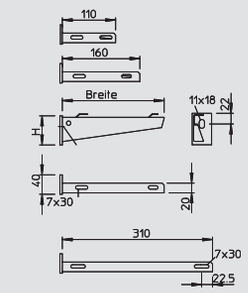
Load diagram, bracket AW 15 VA



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 15

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



Wall and support bracket AWG 15



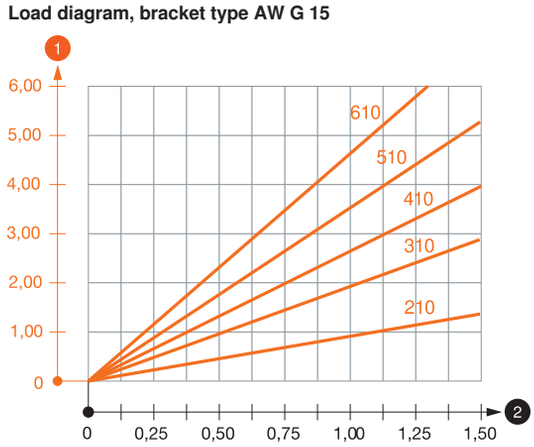
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AWG 15 11 VA4571	110	50	40	11	1.5		30	13.000	**6420 64 2**
AWG 15 21 VA4571	210	60	40	11	1.5		30	25.000	**6420 64 4**
AWG 15 31VA4571	310	65	40	11	1.5		30	33.000	**6420 64 6**
AWG 15 41 VA4571	410	70	40	11	1.5		30	53.000	**6420 64 8**
AWG 15 51 VA4571	510	75	40	11	1.5		20	65.000	**6420 65 0**
AWG 15 61 VA4571	610	80	40	11	1.5		20	80.000	**6420 65 2**

V4A Stainless steel, grade 316 Ti Stained /pc.

Light-duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Load diagram, bracket type AW G 15



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW G 15

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Wall and support bracket AW 30



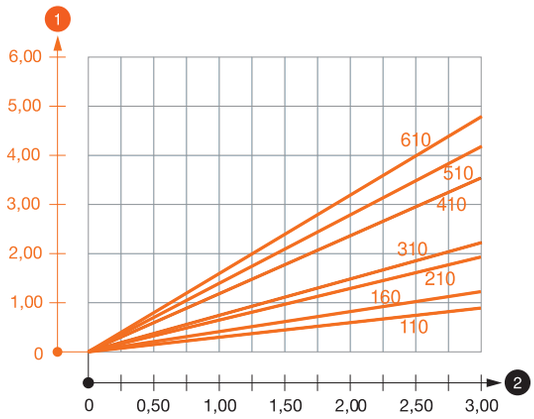
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW 30 11 VA4571	110	60	50	11	3		1	21.200	**6443 61 5**
AW 30 21 VA4571	210	70	50	13	3		1	38.000	**6443 31 1**
AW 30 31 VA4571	310	80	50	13	3		1	61.000	**6443 62 1**
AW 30 41 VA4571	410	80	50	13	3		1	86.000	**6443 34 6**
AW 30 51 VA4571	510	90	50	13	3		1	126.000	**6443 62 5**
AW30 56 VA4571	560	100	50	13	3		1	142.000	**6443 62 6**
AW 30 61 VA4571	610	100	50	13	3		1	154.000	**6443 62 7**

V4A Stainless steel, grade 316 Ti Stained /pc.

Medium-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

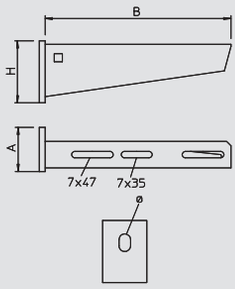
Load diagram, bracket AW 30



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

Characteristic anchor load values for wall and support bracket AW 30

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



Wall and support bracket AW 55



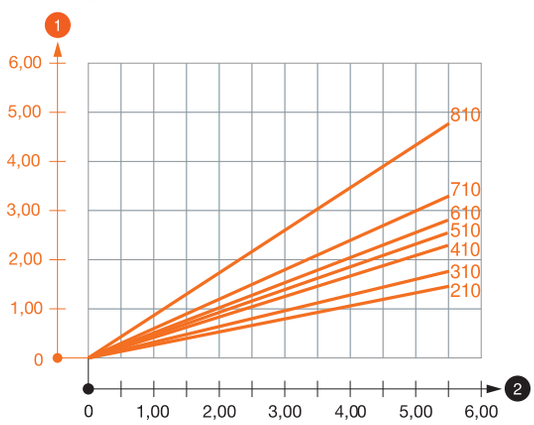
Type	Width mm	Dimension H mm	Dimension A mm	Hole-Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AW 55 21 VA4571	210	90	50	13.5	5.5		1	77.000	**6418 55 7**
AW 55 31 VA4571	310	110	50	13.5	5.5		1	123.000	**6418 57 3**
AW 55 41 VA4571	410	130	50	13.5	5.5		1	167.000	**6418 60 1**
AW 55 51 VA4571	510	145	60	13.5	5.5		1	249.000	**6418 62 2**
AW 55 61 VA4571	610	165	60	13.5	5.5		1	305.000	**6418 63 8**

V4A Stainless steel, grade 316 Ti /pc.

Heavy-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

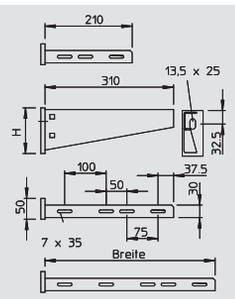
Load diagram, bracket, type AW 55



1 Bending of the bracket tip at permitted bracket load
2 Permitted bracket load in kN without man load
— Load curve with bracket lengths in mm

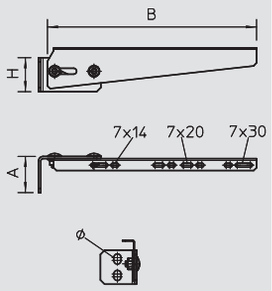
Characteristic anchor load values for wall and support bracket AW 55

Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



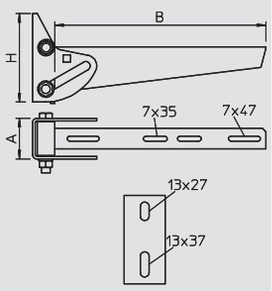
Wall bracket, variable AWVL

Type	Width mm	Dimension H mm	Dimension A mm	Hole Ø mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AWVL 11 VA4571	170	60	64	–	0.75		5	43.900	**6419 51 9**
AWVL 16 VA4571	220	60	64	–	0.65		5	50.300	**6419 52 0**
AWVL 21 VA4571	270	60	64	–	0.55		5	51.700	**6419 52 1**
AWVL 31 VA4571	370	60	64	–	0.4		5	69.200	**6419 52 2**
AWVL 41 VA4571	470	60	64	–	0.25		5	79.700	**6419 52 3**

V4A Stainless steel, grade 316 Ti /pc.

Variable wall bracket for fixing to sloping or vaulted walls.





Wall bracket, variable AWV

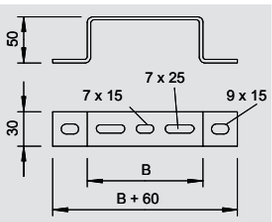
Type	Width mm	Dimension H mm	Dimension A mm	F in kN kN		Pack. pcs	Weight kg/100 pcs.	Item No.
AWV 21 VA4571	210	130	60	0.9		5	152.400	**6419 64 0**
AWV 31 VA4571	310	130	60	0.9		5	143.000	**6419 64 2**
AWV 41 VA4571	410	130	60	0.9		5	193.700	**6419 64 4**
AWV 51 VA4571	510	130	60	0.9		5	244.200	**6419 64 6**
AWV 61 VA4571	610	130	60	0.9		5	231.000	**6419 64 8**

V4A Stainless steel, grade 316 Ti /pc.

Variable wall bracket for fixing to sloping or vaulted walls.

Usable bracket length dependent on adjustment angle. The largest possible adjustment angle is 60°.





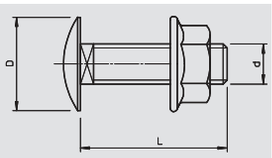
Stand-off bracket

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBL 50 100VA4401	100		20	15.800	**6015 63 0**
DBL 50 200VA4401	200		20	22.800	**6015 63 2**
DBL 50 300VA4401	300		20	38.000	**6015 63 3**
DBL 50 400VA4401	400		20	47.400	**6015 63 4**

V4A Stainless steel, grade 316 /pc.

Stand-off bracket for cable trays and mesh cable trays.





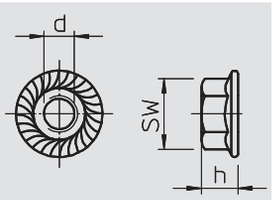
Truss-head bolt with flange nut

Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRSB 6X12 VA4401	M6 x 12	12	6	13.5		100	0.796	**6406 14 2**
FRSB 6X16 VA4401	M6 x 16	16	6	13.5		100	0.800	**6406 19 3**
FRSB 6x20 VA4401	20	20	6	13.5		100	0.960	**6406 20 7**

V4A Stainless steel, grade 316 /100 pc.

Truss-head bolt with square neck including flange nut





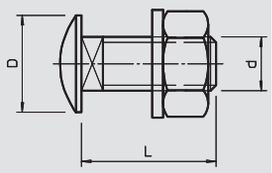
Flange nut

Type	Dimension d mm	Dimension h mm	SW mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 VA4401	6	6	10		100	0.315	**6408 97 0**
KM M8 VA4401	8	–	13		100	0.800	**6408 92 0**
KM M10 VA4401	10	–	17		100	1.320	**6408 93 0**
KM M12 VA4401	12	–	19		100	2.260	**6408 94 0**

V4A Stainless steel, grade 316 /100 pc.

Nut with pressed washer.





Truss-head bolt with nut and washer

Type	Grade	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 6X12 VA4401	1.44	M6 x 12	12	6	13.5		100	0.820	**6406 56 4**
FRS 6X16 VA4401	1.44	M6 x 16	16	6	13.5		100	0.900	**6406 58 0**
FRS 6X20 VA4401	1.44	M6 x 20	20	6	13.5		100	1.000	**6406 61 0**
FRS 10X20 VA4401	1.44	M10 x 20	20	10	24		50	4.000	**6406 87 0**
FRS 10x25 VA4401	1.44	M10 x 25	25	10	24		50	4.500	**6407 52 4**
FRS 10X20SVA4401	1.44	M10 x 20	20	10	24		50	4.100	**6406 87 2**
FRS 12X25 VA4401	1.44	M12 x 25	25	12	30		25	6.400	**6406 78 5**

V4A Stainless steel, grade 316 /100 pc.

Truss-head bolt with square neck including washer and hexagonal nut.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Anchor bolt

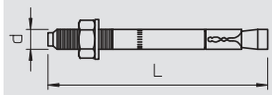


Type	Thread	Dimension L mm	Dimension d mm	Clamping range mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FAZ II 810VA4401	M8	75	8	10	2.4		50	3.720	**3498 50 9**
FAZ II 830VA4401	M8	95	8	30	2.4		50	3.800	**3498 48 7**
FAZ II 10/50 V4A	M10	135	10	50	4.3		20	8.280	**3498 83 5**
FAZ II 10/10GS V	M 10	95	10	10	4.3		50	7.680	**3498 82 4**
FAZ II 10100 V4A	M10	185	10	100	4.3		20	10.500	**3498 60 1**
FAZ II 12/10 VA	M12	110	12	10	4.76		20	10.400	**3498 85 9**

V4A Stainless steel, grade 316 Stained /100 pc.

Anchor bolt for fastening high loads. Matches OBO mounting systems and wall support brackets and supports.

With European technical approval no.: ETA-05/0069
GS = with large washer, external diameter approx. 2.5 x drill diameter.



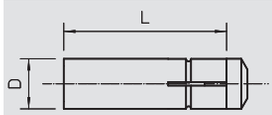
Hammerset anchor



Type	Thread	Dimension D mm	Dimension L mm	Screw-in depth min.-max. mm	Perm. load range, tension zone kN		Pack. pcs	Weight kg/100 pcs.	Item No.
FZEA II 10X40 VA	M8	10	40	11-17	1.6		100	1.550	**3492 14 5**
FZEA II 12X40 VA	M10	12	40	13-19	3		100	2.075	**3492 15 0**
FZEA II 14X40V4A	M12	14	40	15-21	3.6		50	2.750	**3492 09 7**

V4A Stainless steel, grade 316 /100 pc.

Hammerset anchor with internal thread
With European technical approval: no.: ETA-06/0271



RKSM cable tray



Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²	Dimension x mm	Dimension y mm	Dimension t mm	Appr. load: 1.5 m kN/m	Appr. load: 2.0 m kN/m	Weight kg/100 m	Item No.
RKSM 610 VA4571	100	0.75	3,050	58	–	50	–	0.9	0.5	134.300	**6047 61 4**
RKSM 615 VA4571	150	0.75	3,050	88	50	100	–	1	0.55	157.700	**6047 63 3**
RKSM 620 VA4571	200	0.75	3,050	118	100	150	–	1	0.55	183.000	**6047 64 1**
RKSM 630 VA4571	300	0.75	3,050	178	200	250	100	1	0.55	239.000	**6047 65 7**
RKSM 640 VA4571	400	0.9	3,050	238	300	350	200	1.35	0.8	331.300	**6047 69 2**
RKSM 650 VA4571	500	0.9	3,050	298	400	450	300	1.35	0.8	392.300	**6047 72 2**
RKSM 660 VA4571	600	0.9	3,050	358	450	550	400	1.35	0.8	453.330	**6047 73 8**

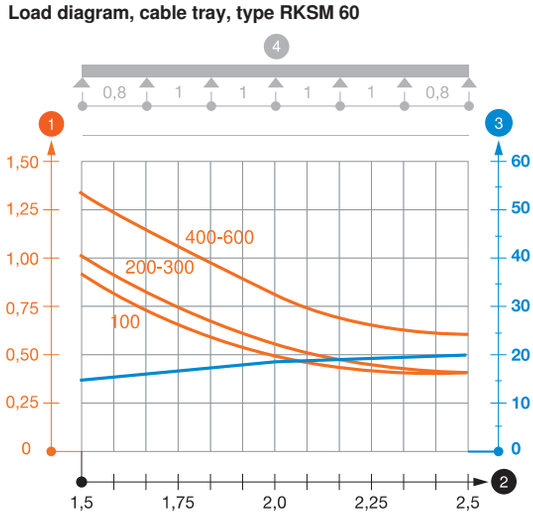
V4A Stainless steel, grade 316 Ti /m

RKSM 60 = efficient magic cable tray system with 60 mm side height.

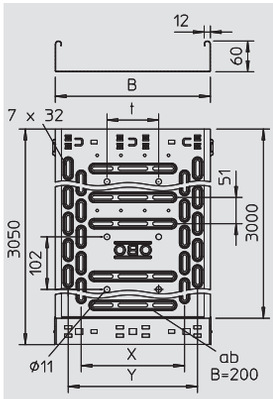
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

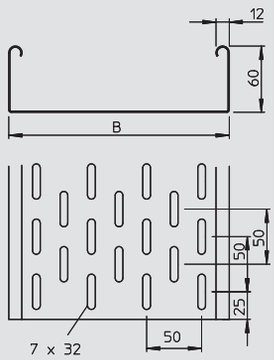
Cable tray with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation, 7 x 20 mm, for bracket mounting and, from the width 200 mm, with 7 x 32 mm transverse beading for cable ventilation and simplified mounting. With 11 mm perforation for direct threaded rod suspension. Continuous side perforation, 7 x 20 mm, as connector perforation.
The stock length is 3,050 mm, the useful length when combined is 3,000 mm.
Complete equipotential bonding is guaranteed without additional components.

Load diagram, cable tray, type RKSM 60



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width





Cable tray SKS

Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	2.0 m	2.5 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
SKS 610 VA4571	100	1.5	3,000	58	2.65	1.8	1.15	0.5	263.300	**6056 75 0**
SKS 620 VA4571	200	1.5	3,000	118	2.65	1.8	1.15	0.5	346.670	**6056 75 5**
SKS 630 VA4571	300	1.5	3,000	178	2.65	1.8	1.15	0.5	466.700	**6056 75 7**
SKS 640 VA4571	400	1.5	3,000	238	2.65	1.8	1.15	0.5	566.700	**6056 75 9**
SKS 650 VA4571	500	1.5	3,000	298	2.65	1.8	1.15	0.5	666.700	**6056 76 1**
SKS 660 VA4571	600	1.5	3,000	358	2.65	1.8	1.15	0.5	766.700	**6056 76 3**

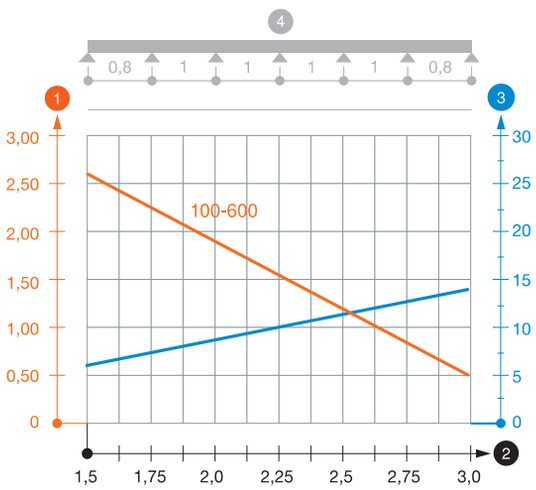
V4A Stainless steel, grade 316 Ti /m

SKS 60 = Heavy-duty cable tray system with 60 mm side height.

Magnetic shield insulation without cover 20 dB, with cover 50 dB.

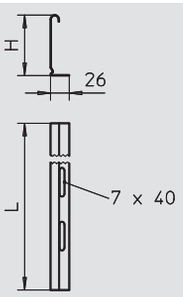
The cable tray, type SKS, should also be used for function maintenance. For additional data, please refer to BSS fire protection systems. The cable tray is fastened to the bracket with bolts, type FRS M6 x 12.

Load diagram, cable tray SKS 60 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width





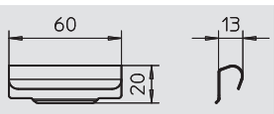
Barrier strip

Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 60 VA4571	60	3,000		3	55.700	**6062 08 6**

V4A Stainless steel, grade 316 Ti /m

Barrier strip for separation of cables of different voltages or functions.





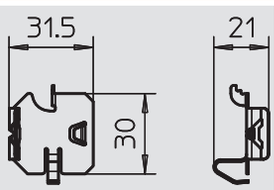
Barrier strip connector

Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





Hold-down clamp for barrier strip fastening

Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KS KR VA4310		30	0.580	**6062 28 0**

V2A Stainless steel, grade 301 /100 pc.

Clamping piece for screwless fastening of barrier strips in the cable tray types RKSM, MKS and SKS.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Cable tray DKS

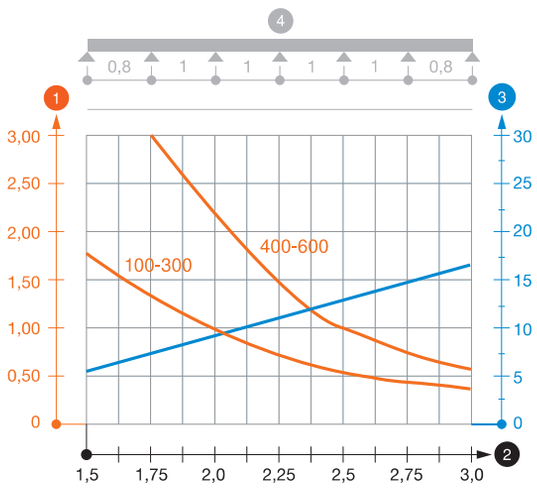


Type	Width	Plate thickness	Length	Useful cross-section	Appr. load: 1.5 m	1.75 m	2.0 m	2.5 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
DKS 610 VA4571	100	0.8	3,000	58	1	0.8	0.5	0.35	157.000	**6085 66 8**
DKS 620 VA4571	200	0.8	3,000	118	1	0.8	0.5	0.5	213.000	**6085 67 2**
DKS 630 VA4571	300	1	3,000	178	1	0.8	0.5	0.35	264.000	**6085 67 3**
DKS 640 VA4571	400	1	3,000	238	1.1	0.9	0.75	0.45	294.000	**6085 67 5**
DKS 650 VA4571	500	1	3,000	298	1.1	0.9	0.75	0.45	350.000	**6085 67 7**
DKS 660 VA4571	600	1	3,000	358	1.1	0.9	0.75	0.45	437.000	**6085 67 9**

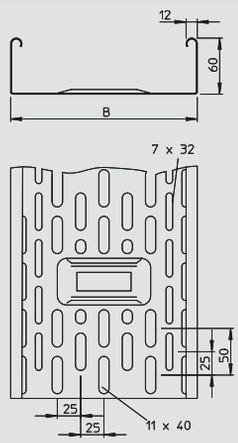
V4A Stainless steel, grade 316 Ti /m

DKS 60 = perforated cable tray system with 60 mm side height.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.
Permeable cable tray system to VdS guideline 2092 with 30% hole surface for use under sprinkler systems.
Bottom penetration from width 200 mm.
Connecting parts should be ordered in the appropriate quantity.

Load diagram, cable tray DKS 60 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



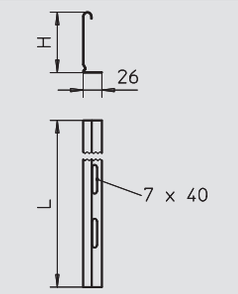
Barrier strip



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 45 VA4571	45	3,000		3	46.700	**6062 02 8**

V4A Stainless steel, grade 316 Ti /m

Barrier strip for separation of cables of different voltages or functions.



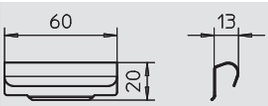
Barrier strip connector



Type		Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



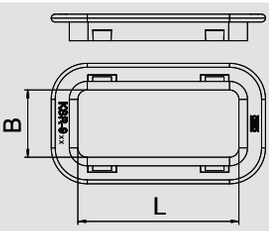
Cable protection ring



Type	Colour	for perforation		Pack.	Weight	Item No.
		mm		pcs	kg/100 pcs.	
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**

PE Polyethylene /pc.

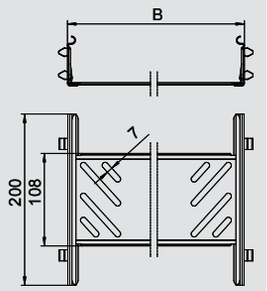
Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Magic straight connector set



Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KTSMV 610 VA4571	60	100		1	30.500	**6068 98 0**
KTSMV 615 VA4571	60	150		1	34.900	**6068 98 2**
KTSMV 620 VA4571	60	200		1	37.200	**6068 98 4**
KTSMV 630 VA4571	60	300		1	44.000	**6068 98 6**
KTSMV 640 VA4571	60	400		1	50.700	**6068 98 8**
KTSMV 650 VA4571	60	500		1	57.400	**6068 99 0**
KTSMV 660 VA4571	60	600		1	64.200	**6068 99 2**

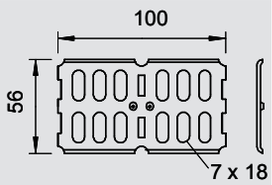
V4A Stainless steel, grade 316 Ti /pc.

Cable tray connector with quick fastening straight, screwless connection of cable trays and fittings with a side height of 60 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.



Straight connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RLVK 60 VA4571	60		10	9.000	**6067 67 5**

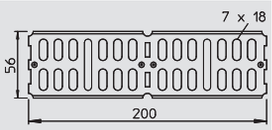
V4A Stainless steel, grade 316 Ti /pc.

Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.

Including appropriate fastening material.



Straight and angle connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RWVL 60 VA4571	60		10	17.500	**6067 66 4**

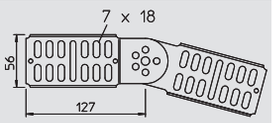
V4A Stainless steel, grade 316 Ti /pc.

Straight and angle connector for cable trays and fittings with a side height of 60 mm.

Including appropriate fastening material.



Adjustable connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RGV 60 VA4571	60		10	25.000	**7082 26 5**

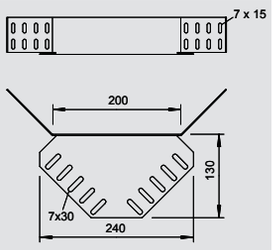
V4A Stainless steel, grade 316 Ti /pc.

Adjustable connector for cable trays with a side height of 60 mm.

Including appropriate fastening material.



Corner connector



Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
REV 60 VA4571	60		5	33.400	**6068 05 4**

V4A Stainless steel, grade 316 Ti /pc.

Corner connector for cable trays with side height 60 mm.

Fastening materials should be ordered separately.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

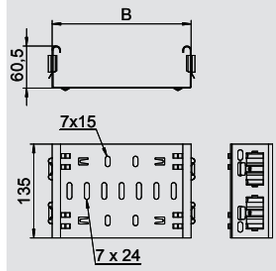
Magic sraight connector



Type	Side height mm	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
FVM 610 VA 4571	60	100		1	31.900	**6065 75 0**
FVM 615 VA 4571	60	150		1	37.900	**6065 75 2**
FVM 620 VA 4571	60	200		1	44.000	**6065 75 4**
FVM 630 VA 4571	60	300		1	57.000	**6065 75 6**
FVM 640 VA 4571	60	400		1	69.400	**6065 75 8**
FVM 650 VA 4571	60	500		1	82.000	**6065 76 0**
FVM 660 VA 4571	60	600		1	94.600	**6065 76 2**

V4A Stainless steel, grade 316 Ti /pc.

Magic straight connector for direct and screwless joining of Magic fittings with a side height of 60 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.



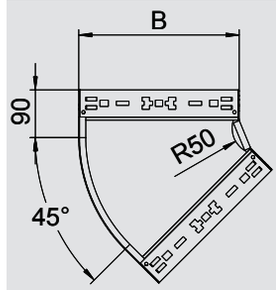
45° Magic bend



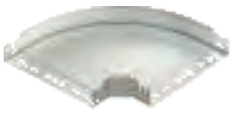
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 45 610VA4571	100		1	50.400	**6041 10 0**
RBM 45 615VA4571	150		1	67.300	**6041 10 2**
RBM 45 620VA4571	200		1	86.000	**6041 10 4**
RBM 45 630VA4571	300		1	128.300	**6041 10 6**
RBM 45 640VA4571	400		1	174.800	**6041 10 8**
RBM 45 650VA4571	500		1	232.700	**6041 11 0**
RBM 45 660VA4571	600		1	298.300	**6041 11 2**

V4A Stainless steel, grade 316 Ti /pc.

45° bend with quick connector system. For all cable tray types of 60 mm side height.



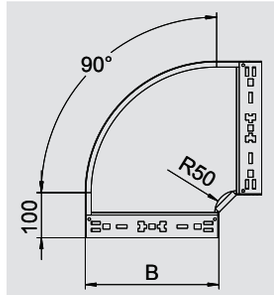
90° Magic bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBM 90 610VA4571	100		1	65.700	**6041 20 0**
RBM 90 615VA4571	150		1	92.000	**6041 20 2**
RBM 90 620VA4571	200		1	122.100	**6041 20 4**
RBM 90 630VA4571	300		1	192.800	**6041 20 6**
RBM 90 640VA4571	400		1	275.400	**6041 20 8**
RBM 90 650VA4571	500		1	377.200	**6041 21 0**
RBM 90 660VA4571	600		1	494.300	**6041 21 2**

V4A Stainless steel, grade 316 Ti /pc.

90° bend with quick connector system. For all cable tray types of 60 mm side height.



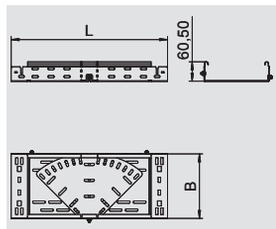
Magic bend, variable



Type	Width mm	Side height mm	Plate thickness mm		Pack. pcs	Item No.
RBMV 610 VA 4571	100	60	1		1	**6040 54 0**
RBMV 615 VA 4571	150	60	1		1	**6040 54 2**
RBMV 620 VA 4571	200	60	1		1	**6040 54 4**
RBMV 630 VA 4571	300	60	1.25		1	**6040 54 6**
RBMV 640 VA 4571	400	60	1.25		1	**6040 54 8**
RBMV 650 VA 4571	500	60	1.5		1	**6040 55 0**
RBMV 660 VA 4571	600	60	1.5		1	**6040 55 2**

V4A Stainless steel, grade 316 Ti /pc.

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 60 mm side height.



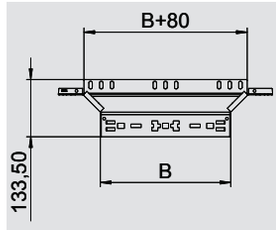
Magic add-on tee



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RAAM 610 VA4571	100		1	37.900	**6041 29 0**
RAAM 615 VA4571	150		1	44.300	**6041 29 2**
RAAM 620 VA4571	200		1	50.600	**6041 29 4**
RAAM 630 VA4571	300		1	63.500	**6041 29 6**
RAAM 640 VA4571	400		1	76.500	**6041 29 8**
RAAM 650 VA4571	500		1	89.300	**6041 30 0**
RAAM 660 VA4571	600		1	102.700	**6041 30 3**

V4A Stainless steel, grade 316 Ti /pc.

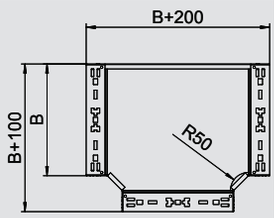
Mounting/branch piece with quick connector system. For all cable tray types of 60 mm side height.



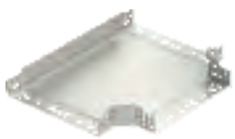
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Magic tee



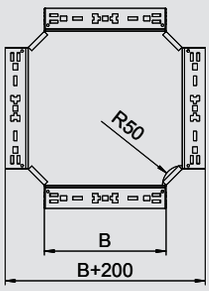
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RTM 610 VA4571	100		1	83.600	**6041 38 0**
RTM 615 VA4571	150		1	114.700	**6041 38 2**
RTM 620 VA4571	200		1	150.600	**6041 38 4**
RTM 630 VA4571	300		1	235.700	**6041 38 6**
RTM 640 VA4571	400		1	335.600	**6041 38 8**
RTM 650 VA4571	500		1	460.500	**6041 39 0**
RTM 660 VA4571	600		1	605.000	**6041 39 2**



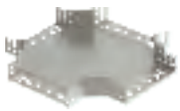
V4A Stainless steel, grade 316 Ti /pc.

T branch piece with quick connector system. For all cable tray types of 60 mm side height.

Magic cross-over



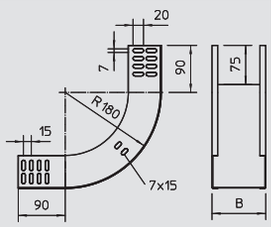
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RKM 610 VA4571	100		1	93.200	**7027 06 1**
RKM 615 VA4571	150		1	124.600	**7027 06 3**
RKM 620 VA4571	200		1	168.000	**7027 06 5**
RKM 630 VA4571	300		1	246.100	**7027 06 7**
RKM 640 VA4571	400		1	343.400	**7027 06 9**
RKM 650 VA4571	500		1	468.300	**7027 07 1**
RKM 660 VA4571	600		1	612.800	**7027 07 3**



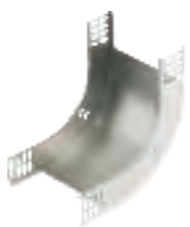
V4A Stainless steel, grade 316 Ti /pc.

Intersection with quick connector system. For all cable tray types of 60 mm side height.

90° vertical bend, rising



Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 610 S VA4571	100	1		1	73.000	**7006 72 0**
RBV 615 S VA4571	150	1		1	84.000	**7006 72 2**
RBV 620 S VA4571	200	1		1	105.000	**7006 72 4**
RBV 630 S VA4571	300	1		1	145.000	**7006 72 8**
RBV 640 S VA4571	400	1		1	181.000	**7006 73 2**
RBV 650 S VA4571	500	1		1	216.000	**7006 73 6**
RBV 660 S VA4571	600	1		1	252.000	**7006 74 0**

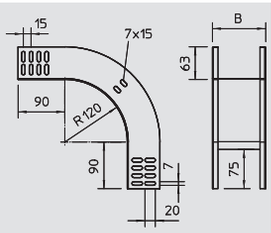


V4A Stainless steel, grade 316 Ti /pc.

90° rising vertical bend, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling



Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
RBV 610 F VA4571	100	1		1	61.000	**7006 75 0**
RBV 615 F VA4571	150	1		1	73.000	**7006 75 2**
RBV 620 F VA4571	200	1		1	84.000	**7006 75 4**
RBV 630 F VA4571	300	1		1	107.000	**7006 75 8**
RBV 640 F VA4571	400	1		1	130.000	**7006 76 2**
RBV 650 F VA4571	500	1		1	153.000	**7006 76 6**
RBV 660 F VA4571	600	1		1	176.000	**7006 77 0**

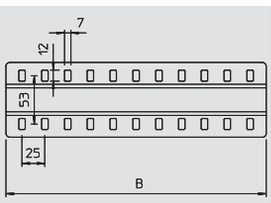


V4A Stainless steel, grade 316 Ti /pc.

90° vertical bend, falling, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

Joint plate



Type	Width mm	Quantity of screws pc.		Pack. pcs	Weight kg/100 pcs.	Item No.
SSLB 100 VA4571	85	2		20	7.700	**7070 39 0**
SSLB 200 VA4571	185	2		20	16.700	**7070 39 2**
SSLB 300 VA4571	285	3		20	25.700	**7070 39 4**
SSLB 400 VA4571	385	4		20	34.700	**7070 39 6**
SSLB 500 VA4571	485	5		20	43.700	**7070 39 8**
SSLB 600 VA4571	585	6		20	52.700	**7070 40 0**



V4A Stainless steel, grade 316 Ti /pc.

Wide joint plate for use in all cable trays.
Including appropriate fastening material.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

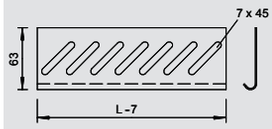


Bottom end plate

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
BEB 100 VA4571	100		100	5.500	**7084 14 1**
BEB 200 VA4571	200		100	11.400	**7084 14 3**
BEB 300 VA4571	300		100	17.200	**7084 14 5**
BEB 400 VA4571	400		100	23.100	**7084 14 7**
BEB 500 VA4571	500		50	29.000	**7084 14 9**
BEB 600 VA4571	600		50	35.000	**7084 15 1**

V4A Stainless steel, grade 316 Ti /pc.

For base reinforcement at the ends of the tray and as cable protection.
For fastening, please order bolts, type FRSB M6x12, separately.



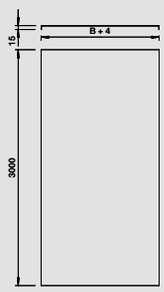


Cover

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRLU 100 VA4571	100	1	3,000		99.000	**6052 99 1**
DRLU 200 VA4571	200	1	3,000		178.000	**6052 99 3**
DRLU 300 VA4571	300	1	3,000		256.000	**6052 99 4**
DRLU 400 VA4571	400	1	3,000		334.400	**6052 99 5**
DRLU 500 VA4571	500	1.25	3,000		516.100	**6052 99 6**
DRLU 600 VA4571	600	1.25	3,000		614.300	**6052 99 8**

V4A Stainless steel, grade 316 Ti /m

Cover for cable trays and mesh cable trays.
Take appropriate constructive protection measures if there are high wind speeds.
Transverse bead from 500 mm width.



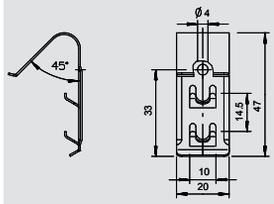


Cover clamp, universal

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310		60	0.800	**6065 60 0**

V2A Stainless steel, grade 301 /100 pc.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.
Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



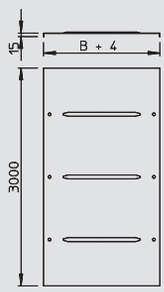


Cover incl. turn-buckle

Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
DRL 100 VA4571	100	–	3,000		105.000	**6052 98 0**
DRL 200 VA4571	200	–	3,000		185.000	**6052 98 1**
DRL 300 VA4571	300	–	3,000		275.000	**6052 98 3**
DRL 400 VA4571	400	–	3,000		361.670	**6052 98 4**
DRL 500 VA4571	500	–	3,000		625.000	**6052 98 5**
DRL 600 VA4571	600	–	3,000		745.000	**6052 98 6**

V4A Stainless steel, grade 316 Ti /m

Cover for cable trays and cable ladders with three pairs of turn-buckles.
Ensure protective measures for construction if there are high wind speeds.



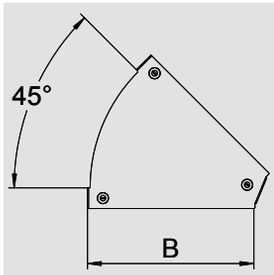


Cover for 45° Magic bend

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 45 100 V4A	100	1.25		1	13.100	**7138 45 0**
DFBM 45 150 V4A	150	1.25		1	19.800	**7138 45 2**
DFBM 45 200 V4A	200	1.25		1	28.100	**7138 45 4**
DFBM 45 300 V4A	300	1.25		1	49.300	**7138 45 6**
DFBM 45 400 V4A	400	1.25		1	95.100	**7138 45 8**
DFBM 45 500 V4A	500	1.25		1	137.600	**7138 46 0**
DFBM 45 600 V4A	600	1.25		1	187.200	**7138 46 2**

V4A Stainless steel, grade 316 Ti /pc.

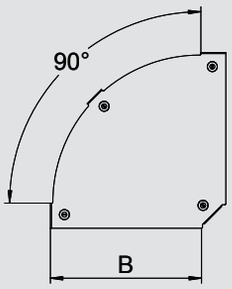
Lid for 45° bend with pre-mounted sash locks.
The cover can be used with fittings of all side heights.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Cover for 90° Magic bend



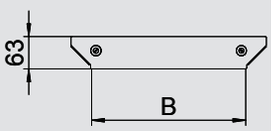
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFBM 90 100 V4A	100	1.25		1	18.500	**7138 59 0**
DFBM 90 150 V4A	150	1.25		1	29.900	**7138 59 2**
DFBM 90 200 V4A	200	1.25		1	44.400	**7138 59 4**
DFBM 90 300 V4A	300	1.25		1	83.000	**7138 59 6**
DFBM 90 400 V4A	400	1.25		1	166.400	**7138 59 8**
DFBM 90 500 V4A	500	1.25		1	245.500	**7138 60 0**
DFBM 90 600 V4A	600	1.25		1	339.500	**7138 60 2**



V4A Stainless steel, grade 316 Ti /pc.

Cover for 90° bend with premounted turn buckles.
The cover can be used with fittings of all side heights.

Cover for Magic add-on tee



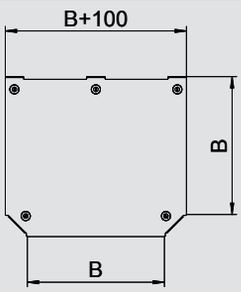
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFAAM 100 V4A	100	1.25		1	11.100	**7138 74 0**
DFAAM 150 V4A	150	1.25		1	13.500	**7138 74 2**
DFAAM 200 V4A	200	1.25		1	14.500	**7138 74 4**
DFAAM 300 V4A	300	1.25		1	20.900	**7138 74 6**
DFAAM 400 V4A	400	1.25		1	31.700	**7138 74 8**
DFAAM 500 V4A	500	1.25		1	37.900	**7138 75 0**
DFAAM 600 V4A	600	1.25		1	44.100	**7138 75 2**



V4A Stainless steel, grade 316 Ti /pc.

Cover for add-on tee with pre-mounted turn-buckles.
The cover can be used with fittings of all side heights.

Cover for Magic tee



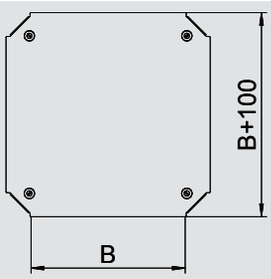
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFTM 100 V4A	100	1.25		1	31.000	**7138 88 0**
DFTM 150 V4A	150	1.25		1	40.300	**7138 88 2**
DFTM 200 V4A	200	1.25		1	59.700	**7138 88 4**
DFTM 300 V4A	300	1.25		1	110.600	**7138 88 6**
DFTM 400 V4A	400	1.25		1	220.300	**7138 88 8**
DFTM 500 V4A	500	1.25		1	322.700	**7138 89 0**
DFTM 600 V4A	600	1.25		1	444.600	**7138 89 2**



V4A Stainless steel, grade 316 Ti /pc.

Cover for tee with pre-mounted turn-buckle.
The cover can be used with fittings of all side heights.

Cover for Magic cross-over



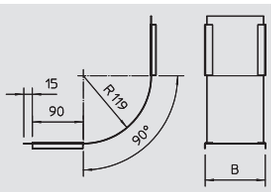
Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DFKM 100 V4A	100	1.25		1	31.000	**7139 04 0**
DFKM 150 V4A	150	1.25		1	48.500	**7139 04 2**
DFKM 200 V4A	200	1.25		1	69.900	**7139 04 4**
DFKM 300 V4A	300	1.25		1	124.500	**7139 04 6**
DFKM 400 V4A	400	1.25		1	242.900	**7139 04 8**
DFKM 500 V4A	500	1.25		1	350.500	**7139 05 0**
DFKM 600 V4A	600	1.25		1	477.600	**7139 05 2**



V4A Stainless steel, grade 316 Ti /pc.

Cover for cross-over with pre-mounted turn-buckles.
The cover can be used with fittings of all side heights.

Cover for 90° vertical bend, falling



Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV 100 S VA4571	100	0.75		1	21.000	**7130 92 0**
DBV 150 S VA4571	150	0.75		1	50.000	**7130 92 1**
DBV 200 S VA4571	200	0.75		1	39.000	**7130 92 2**
DBV 300 S VA4571	300	0.75		1	39.000	**7130 92 4**
DBV 400 S VA4571	400	0.75		1	68.000	**7130 92 6**
DBV 500 S VA4571	500	0.75		1	86.000	**7130 92 8**
DBV 600 S VA4571	600	0.75		1	105.000	**7130 93 0**



V4A Stainless steel, grade 316 Ti /pc.

Cover for all rising vertical bends.
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



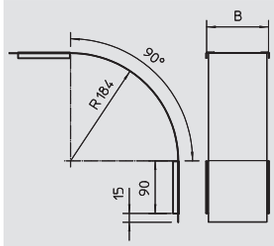
Cover for 90° vertical bend, falling, side height 60

Type	Width mm	Plate thickness mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBV60100F VA4571	100	0.75		1	35.000	**7130 97 2**
DBV60150F VA4571	150	0.75		1	62.000	**7130 97 3**
DBV60200F VA4571	200	0.75		1	62.000	**7130 97 4**
DBV60300F VA4571	300	0.75		1	89.000	**7130 97 6**
DBV60400F VA4571	400	0.75		1	117.000	**7130 97 8**
DBV60500F VA4571	500	0.75		1	145.000	**7130 98 0**
DBV60600F VA4571	600	0.75		1	173.000	**7130 98 2**

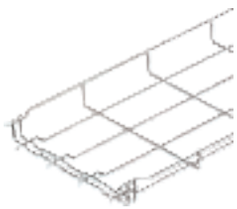
V4A Stainless steel, grade 316 Ti /pc.

Cover for falling vertical bends of side height 60.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.



EMV EMC > 30%



Mesh cable tray GR-Magic® 35

Type	Width mm	Wire Ø mm	Length mm	Useful cross-section cm²	Appr. load: 1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	Weight kg/100 m	Item No.
GRM 35 50VA4401	50	3.9	3,000	17,5	0.25	0.11	0.1	45.000	**6000 08 6**
GRM 35 100VA4401	100	3.9	3,000	35	0.25	0.11	0.1	49.000	**6000 08 7**
GRM 35 150VA4401	150	3.9	3,000	52,5	0.25	0.11	0.1	62.600	**6000 08 9**
GRM 35 200VA4401	200	3.9	3,000	70	0.3	0.14	0.1	76.300	**6000 09 0**
GRM 35 300VA4401	300	4.8	3,000	105	0.75	0.22	0.15	157.900	**6000 09 1**

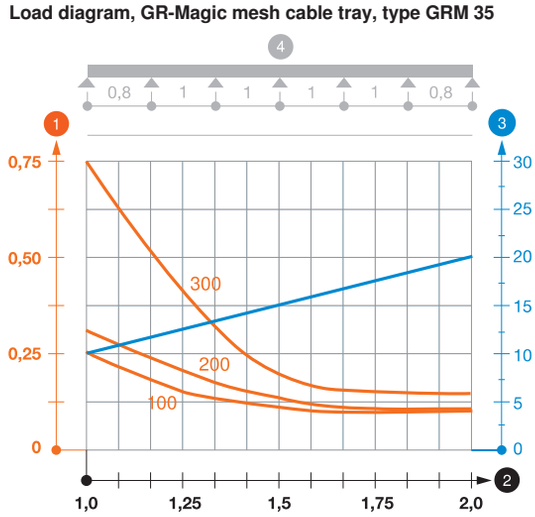
V4A Stainless steel, grade 316 /m

Mesh cable tray with shaped connector of side height 35 mm.

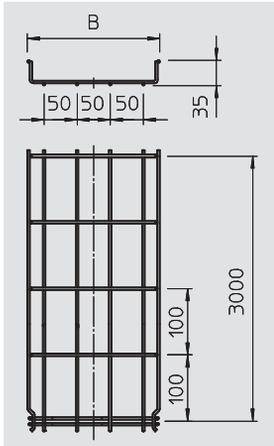
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Load diagram, GR-Magic mesh cable tray, type GRM 35

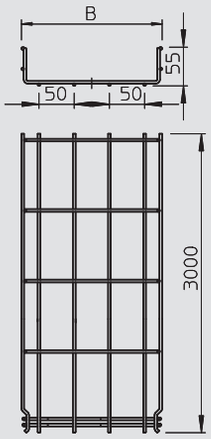


1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



Mesh cable tray GR-Magic® 55



Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kg/100 m	
GRM 55 50VA4401	50	3.9	3,000	16	0.25	0.12	0.08	67.000	**6001 08 7**
GRM 55 100VA4401	100	3.9	3,000	40	0.25	0.12	0.08	72.700	**6001 08 8**
GRM 55 150VA4401	150	3.9	3,000	63	0.25	0.12	0.08	88.000	**6001 09 0**
GRM 55 200VA4401	200	3.9	3,000	87	0.25	0.12	0.08	97.000	**6001 09 1**
GRM 55 300VA4401	300	4.8	3,000	129	0.6	0.28	0.25	191.100	**6001 09 3**
GRM 55 400VA4401	400	4.8	3,000	175	0.6	0.28	0.25	243.000	**6001 09 5**
GRM 55 450VA4401	450	4.8	3,000	195	0.75	0.45	0.3	237.000	**6001 09 6**
GRM 55 500VA4401	500	4.8	3,000	220	0.75	0.38	0.25	287.000	**6001 09 7**
GRM 55 600VA4401	600	4.8	3,000	265	0.75	0.38	0.25	331.000	**6001 09 9**

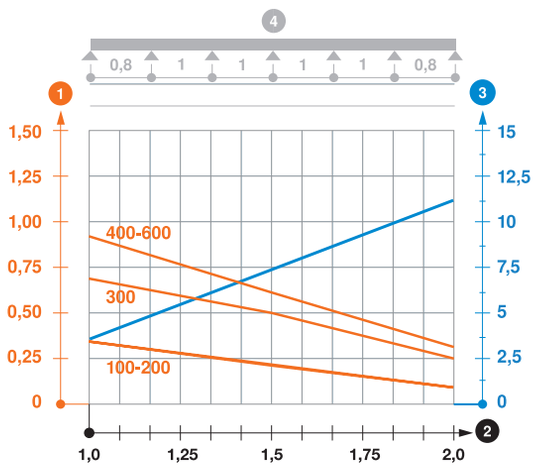
V4A Stainless steel, grade 316 Stained /m

Mesh cable tray with shaped connector of side height 55 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).

Load diagram, mesh cable tray GRM 55 VA



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

Mesh cable tray GR-Magic® 105



Type	Width	Wire Ø	Length	Useful cross-section	Appr. load: 1.0 m	1.5 m	2.0 m	3.0 m	Weight	Item No.
	mm	mm	mm	cm²	kN/m	kN/m	kN/m	kN/m	kg/100 m	
GRM105 100VA4401	100	3.9	3,000	82	0.8	0.55	0.37	0.25	99.000	**6002 47 5**
GRM105 150VA4401	150	3.9	3,000	130	0.8	0.55	0.37	0.25	110.000	**6002 47 6**
GRM105 200VA4401	200	4.8	3,000	175	0.8	0.55	0.37	0.25	193.000	**6002 47 7**
GRM105 300VA4401	300	4.8	3,000	268	1.1	0.75	0.53	0.3	235.000	**6002 47 9**
GRM105 400VA4401	400	4.8	3,000	363	1.1	0.75	0.53	0.3	277.000	**6002 48 1**
GRM105 450VA4401	450	4.8	3,000	411	1.1	0.75	0.53	0.3	282.900	**6002 48 2**
GRM105 500VA4401	500	4.8	3,000	459	1.25	0.85	0.6	0.3	319.000	**6002 48 3**
GRM105 600VA4401	600	4.8	3,000	554	1.25	0.85	0.6	0.3	361.100	**6002 48 5**

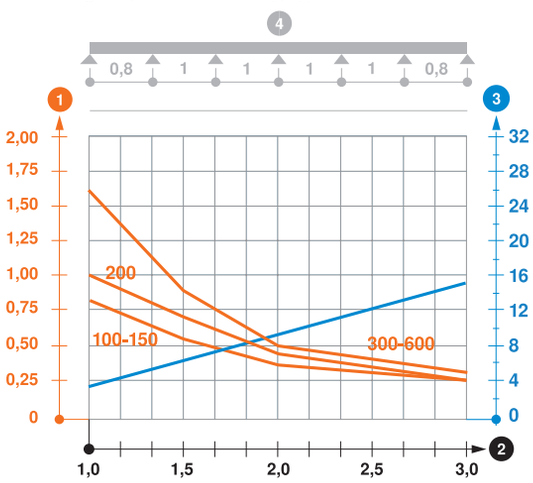
V4A Stainless steel, grade 316 Stained /m

Mesh cable tray with shaped connector of side height 105 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

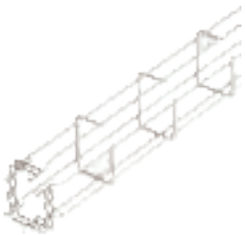
Load diagram, mesh cable tray, type GRM 105



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

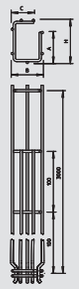
G mesh cable tray Magic, side height 50 mm



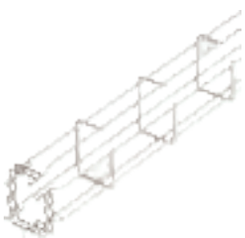
Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 50 50V4A	55	55	33	40	3,000		67.100	**6005 56 5**

V4A Stainless steel, grade 316 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



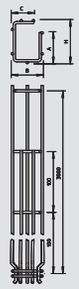
G mesh cable tray Magic, side height 75 mm



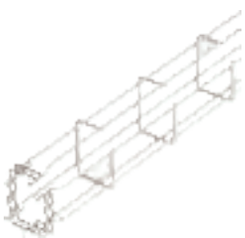
Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 75 50V4A	53	73	40	53	3,000		79.900	**6005 56 8**

V4A Stainless steel, grade 316 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



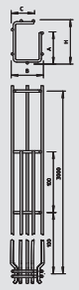
G mesh cable tray Magic, side height 125 mm



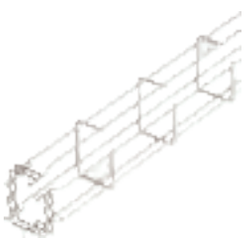
Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 125 75V4A	75	125	40	96	3,000		108.200	**6005 57 1**

V4A Stainless steel, grade 316 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



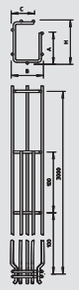
G mesh cable tray Magic, side height 150 mm



Type	Dimension B	Dimension H	Dimension C	Dimension A	Length		Weight	Item No.
	mm	mm	mm	mm	mm		kg/100 m	
G-GRM 150 100V4A	100	155	70	120	3,000		128.000	**6005 57 4**

V4A Stainless steel, grade 316 /m

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Magnetic shield insulation 15 dB.



Barrier strip



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 30 VA4571	30	3,000		3	38.000	**6062 05 4**

V4A Stainless steel, grade 316 Ti /m

Barrier strip for separation of cables of different voltages or functions.



Type	Dimension H	Dimension L		Pack.	Weight	Item No.
	mm	mm		m	kg/100 m	
TSG 60 VA4571	60	3,000		3	55.700	**6062 08 6**

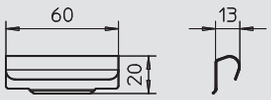
V4A Stainless steel, grade 316 Ti /m

Barrier strip for separation of cables of different voltages or functions.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



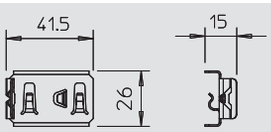
Barrier strip connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.





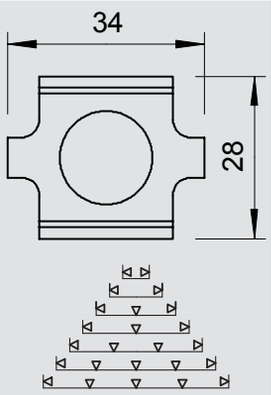
Hold-down clamp for barrier strip fastening

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310		30	0.830	**6062 28 2**

V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for fastening barrier strips in mesh cable trays.





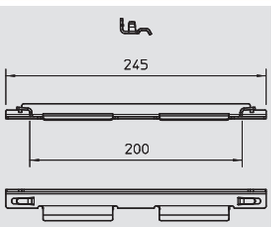
Joint connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 VA4401		10	3.000	**6016 64 8**

V4A Stainless steel, grade 316 /pc.

Screwed version of joint connector for mesh cable trays.
Including FRS M6 x 20 bolt with flange nut.





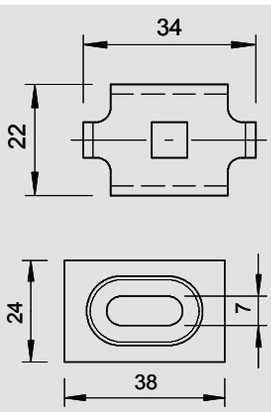
Quick connector

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GRV 245 VA4404	245		50	13.500	**6016 68 8**

V4A Stainless steel, grade 316 L /pc.

Long mesh cable tray connection for screwless straight connection of mesh cable trays.
Two straight connectors, type GRV 245, are used for each connection point.





Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 VA4401 SP		10	2.000	**6016 85 9**

V4A Stainless steel, grade 316 /pc.

Hold-down clamp for fixing mesh cable trays to wall or support brackets.
Including FRS M6 x 20 bolt with flange nut.

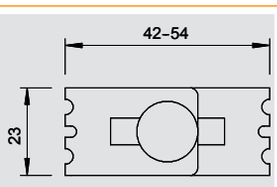


Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 VA4401 SP		10	2.200	**6017 09 2**

V4A Stainless steel, grade 316 /pc.

Clamp for fastening barrier strip in mesh cable trays.
Including screw of type FRS M6 x 20.





Corner connector

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 VA4401 SP		10	3.000	**6016 76 4**

V4A Stainless steel, grade 316 /pc.

Corner connector for the creation of mesh cable tray bends.
Including screw of type FRS M6 x 12.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

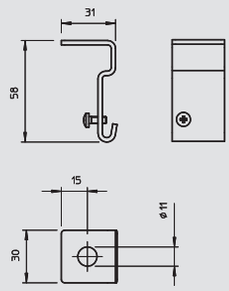


Side holder

Type	For threaded rod		Pack. pcs	Weight kg/100 pcs.	Item No.
SH M10 VA4401	M10		20	5.500	**6015 34 0**

V4A Stainless steel, grade 316 /pc.

Side holder for suspension of mesh cable trays.





Threaded rod

Type	Thread	Dimension d mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M8 1M V4A	M8	8	1,000		50	30.000	**3141 49 2**
2078 M10 1M V4A	M10	10	1,000		20	49.000	**3141 50 2**
2078 M12 1M V4A	M	12	1,000		50	70.000	**3141 51 2**

V4A Stainless steel, grade 316 Ti /100 pc.

Threaded rod to DIN 976.





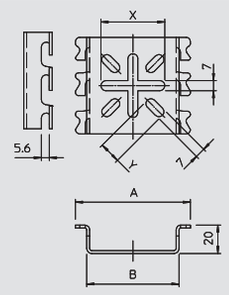
Mounting plate

Type	Dimension A mm	Dimension B mm	Dimension x mm	Dimension y mm		Pack. pcs	Weight kg/100 pcs.	Item No.
MPG 65 VA4404	81	65	45	15		30	8.800	**6006 48 8**
MPG 90 VA4404	111	95	45	38		30	16.100	**6006 48 9**

V4A Stainless steel, grade 316 L /pc.

Wall bracket for screwless fastening on mesh cable trays.

Accessories can be fastened to the mounting plate. In addition, the mounting plate can be used for wall bracket.



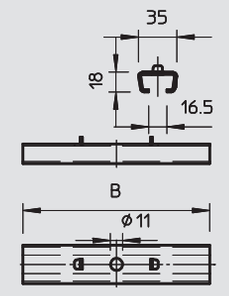


Central hanger

Type	Dimension B mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 170 VA4404	170		25	20.000	**6015 41 8**
GMS 270 VA4404	270		25	32.000	**6015 41 9**
GMS 370 VA4404	370		25	43.000	**6015 42 0**
GMS 470 VA4404	470		10	55.000	**6015 42 1**
GMS 570 VA4404	570		10	67.000	**6015 42 2**

V4A Stainless steel, grade 316 L /pc.

Central hanger including clamp for mesh cable tray suspensions.





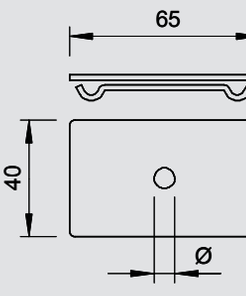
Central hanger

Type	Hole-Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GMA M6 VA4401	–		25	8.400	**6015 22 8**
GMA M8 VA4401	–		25	8.300	**6015 24 5**
GMA M10 VA4401	–		25	8.300	**6015 26 1**

V4A Stainless steel, grade 316 /pc.

Two-part centre suspension of mesh cable trays.

When filling with cables, please ensure an even distribution. The maximum recommended mesh cable tray width is 200 mm.



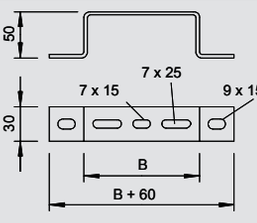


Stand-off bracket

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
DBL 50 100VA4401	100		20	15.800	**6015 63 0**
DBL 50 200VA4401	200		20	22.800	**6015 63 2**
DBL 50 300VA4401	300		20	38.000	**6015 63 3**
DBL 50 400VA4401	400		20	47.400	**6015 63 4**

V4A Stainless steel, grade 316 /pc.

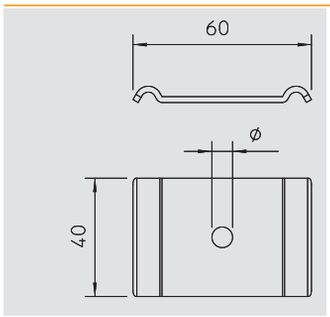
Stand-off bracket for cable trays and mesh cable trays.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.

Hold-down clamp





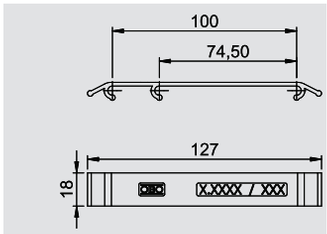
Type	Hole-Ø mm		Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 50 11 V4A	11		50	4.000	**6015 28 0**

V4A Stainless steel, grade 316 L /pc.

Clamp for fastening mesh cable trays.

Use on mesh cable trays with 50 x 100 mm grid only.

Identification clip





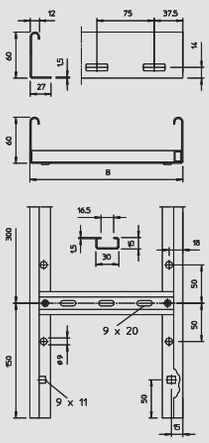
Type	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR LGR	Light grey		10	0.920	**6017 71 0**
KS GR VKG	Traffic grey B		10	0.920	**6017 71 1**
KS GR OR	Pastel orange		10	0.920	**6017 71 2**
KS GR ZGB	Zinc yellow		10	0.920	**6017 71 3**
KS GR LBL	Light blue		10	0.920	**6017 71 4**
KS GR SGN	Signal green		10	0.920	**6017 71 5**

PA Polyamide /pc.

Identification clip for screwless fastening on mesh cable trays.
Versions in light grey and stone grey with labelling of SS304 and SS316 or in zinc yellow, pastel orange, light blue and signal green for labelling.

The identification clip is fastened to the mesh cable tray without screws simply by attaching it.

Cable ladder LG 60





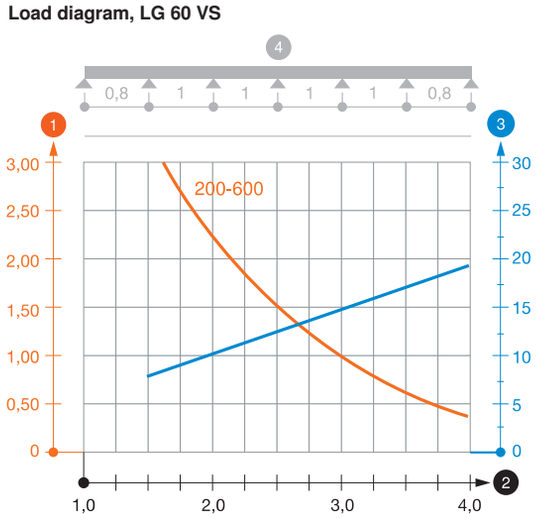
Type	Width mm	Rail thickness mm	Length mm	Useful cross-section cm²	Appr. load: 2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m	Weight kg/100 m	Item No.
LG 620 VS VA4571	200	1.5	6,000	98	2.25	1.5	1	0.4	273.800	**6101 20 0**
LG 630 VS VA4571	300	1.5	6,000	148	2.25	1.5	1	0.4	298.000	**6101 20 8**
LG 640 VS VA4571	400	1.5	6,000	198	2.25	1.5	1	0.4	322.200	**6101 21 6**
LG 650 VS VA4571	500	1.5	6,000	248	2.25	1.5	1	0.4	346.300	**6101 22 3**
LG 660 VS VA4571	600	1.5	6,000	298	2.25	1.5	1	0.4	378.300	**6101 23 2**

V4A Stainless steel, grade 316 Ti /m

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (VS version).

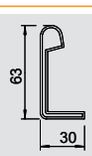
Magnetic shield insulation without cover 10 dB, with cover 15 dB.

Load diagram, LG 60 VS



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width

End cap





Type	Colour		Pack. pair	Weight kg/100 pairs	Item No.
SKH 60 OR	Pastel orange		40	1.100	**6222 53 7**

PE Polyethylene /pair

End cap to cover cable ladder ends of side height 60 mm.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Straight connector

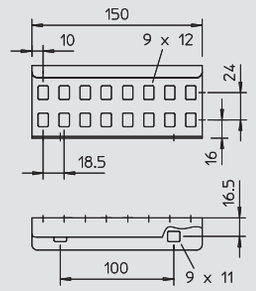


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LVG 60 VA4571	60		20	22.000	**6208 83 5**

V4A Stainless steel, grade 316 Ti /pc.

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



Angle connector

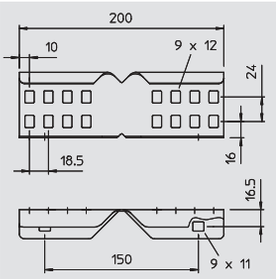


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LWVG 60 VA4571	60		20	22.000	**6208 89 1**

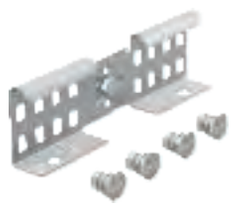
V4A Stainless steel, grade 316 Ti /pc.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.



Adjustable connector

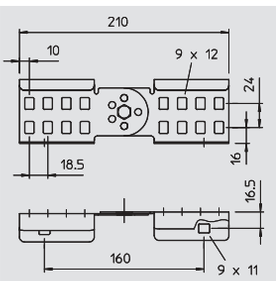


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LGVG 60 VA4571	60		10	29.000	**6208 93 2**

V4A Stainless steel, grade 316 Ti /pc.

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



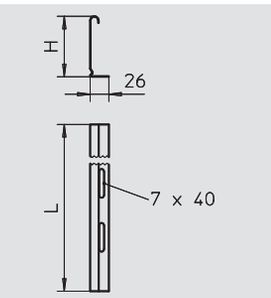
Barrier strip



Type	Dimension H mm	Dimension L mm		Pack. m	Weight kg/100 m	Item No.
TSG 45 VA4571	45	3,000		3	46.700	**6062 02 8**

V4A Stainless steel, grade 316 Ti /m

Barrier strip for separation of cables of different voltages or functions.



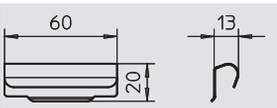
Barrier strip connector



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310		10	1.000	**6067 97 0**

V2A Stainless steel, grade 301 /pc.

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



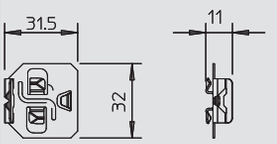
Hold-down clamp for barrier strip fastening



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
KS KL VA4310		30	0.512	**6062 28 4**

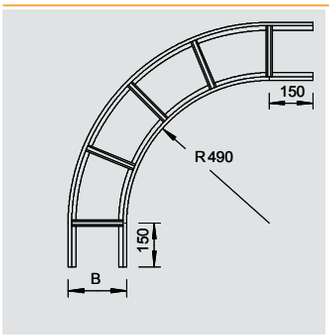
V2A Stainless steel, grade 301 /100 pc.

Hold-down clamp for screwless fastening of barrier strips in cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



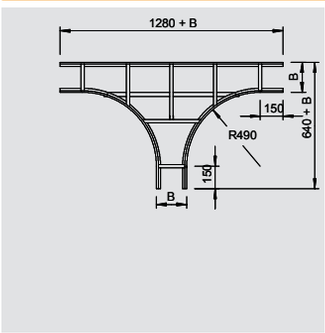
90° bend



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LBI 90 620VS V4A	200		1	358.000	**7160 10 2**
LBI 90 630VS V4A	300		1	412.000	**7160 10 3**
LBI 90 640VS V4A	400		1	497.000	**7160 10 4**
LBI 90 650VS V4A	500		1	558.000	**7160 10 5**
LBI 90 660VS V4A	600		1	664.000	**7160 10 6**

V4A Stainless steel, grade 316 Ti /pc.

90° bend, horizontal, for cable ladders with VS rungs and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.



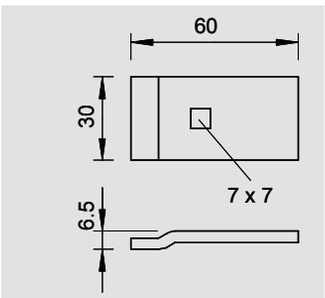
Tee



Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
LT 620 VS V4A	200		1	680.000	**7162 10 2**
LT 630 VS V4A	300		1	795.000	**7162 10 3**
LT 640 VS V4A	400		1	879.000	**7162 10 4**
LT 650 VS V4A	500		1	962.000	**7162 10 5**
LT 660 VS V4A	600		1	1,104.000	**7162 10 6**

V4A Stainless steel, grade 316 Ti Bright /pc.

T piece, horizontal, for cable ladders with VS rungs and a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.



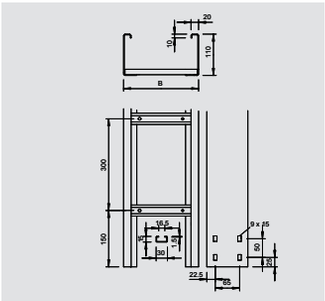
Hold-down clamp



Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS60 4 VA4571		50	7.000	**6221 15 7**

V4A Stainless steel, grade 316 Ti /pc.

Hold-down clamp for fastening cable ladders.
Fastening on brackets, type AW..., using the enclosed truss-head bolt FRS M6x20.



Wide span cable ladder WKLG 110

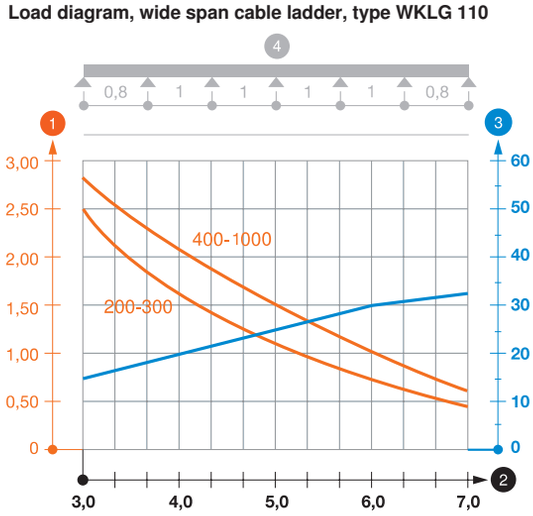


Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²	Appr. load: 4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	Weight kg/100 m	Item No.
WKLG 1120 VA4571	200	2	6,000	186	1.6	1.1	0.8	0.4	567.000	**6311 22 5**
WKLG 1130 VA4571	300	2	6,000	281	1.6	1.1	0.8	0.4	593.000	**6311 22 7**
WKLG 1140 VA4571	400	2	6,000	376	1.6	1.1	0.8	0.4	620.000	**6311 22 9**
WKLG 1150 VA4571	500	2	6,000	471	1.6	1.1	0.8	0.4	630.000	**6311 23 1**
WKLG 1160 VA4571	600	2	6,000	566	1.6	1.1	0.8	0.4	674.000	**6311 23 3**

V4A Stainless steel, grade 316 Ti /m

WKLG 110 = Wide span cable ladder with perforated side rails of side height of 110 mm.
Magnetic shield insulation without cover 10 dB, with cover 15 dB.
Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Load diagram, wide span cable ladder, type WKLG 110



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
— Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Straight connector

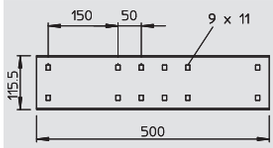


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 110 VA4571	110		2	143.000	**6091 23 4**

V4A Stainless steel, grade 316 Ti /pc.

Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.



Angle connector

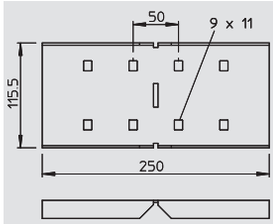


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRWVK 110 VA4571	110		2	69.000	**6091 39 7**

V4A Stainless steel, grade 316 Ti /pc.

Angle connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.



Adjustable connector

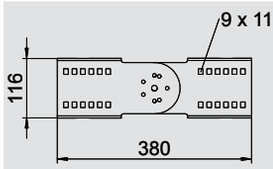


Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRGV 110 VA4571	110		2	125.000	**6091 34 3**

V4A Stainless steel, grade 316 Ti /pc.

Articulated connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.



90° bend

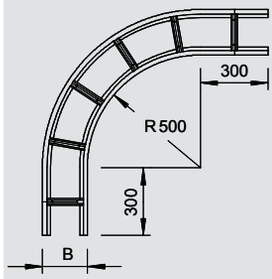


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 112VA4571	200		1	900.000	**6312 55 0**
WLB 90 113VA4571	300		1	1,030.000	**6312 55 2**
WLB 90 114VA4571	400		1	1,105.000	**6312 55 4**
WLB 90 115VA4571	500		1	1,230.000	**6312 55 6**
WLB 90 116VA4571	600		1	1,330.000	**6312 55 8**

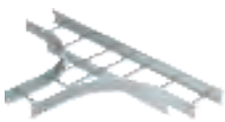
V4A Stainless steel, grade 316 Ti /pc.

90° bend, horizontal, for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.



Tee

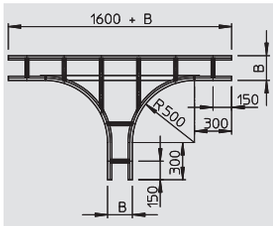


Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1120 VA4571	200		1	1,750.000	**6312 81 5**
WLT 1130 VA4571	300		1	1,870.000	**6312 81 7**
WLT 1140 VA4571	400		1	1,990.000	**6312 81 9**
WLT 1150 VA4571	500		1	2,147.000	**6312 82 1**
WLT 1160 VA4571	600		1	2,340.000	**6312 82 3**

V4A Stainless steel, grade 316 Ti /pc.

Horizontal tee, for all wide span cable ladders of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.



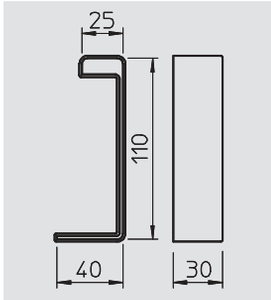
End cap



Type	Colour		Pack. pair	Weight kg/100 pairs	Item No.
SKHW 110 OR	Pastel orange		20	4.400	**6310 39 8**

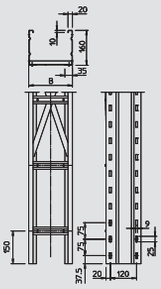
PE Polyethylene /pair

End cap to cover the ends of wide span cable ladders.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Wide span cable ladder WKLG 160

Type	Width mm	Plate thickness mm	Length mm	Useful cross-section cm²		Weight kg/100 m	Item No.
WKLG 1620 VA4571	200	2	6,000	282		737.300	**6227 17 0**
WKLG 1630 VA4571	300	2	6,000	427		767.300	**6227 17 2**
WKLG 1640 VA4571	400	2	6,000	572		797.300	**6227 17 4**
WKLG 1650 VA4571	500	2	6,000	717		828.500	**6227 17 6**
WKLG 1660 VA4571	600	2	6,000	857		859.300	**6227 17 8**

V4A Stainless steel, grade 316 Ti /m

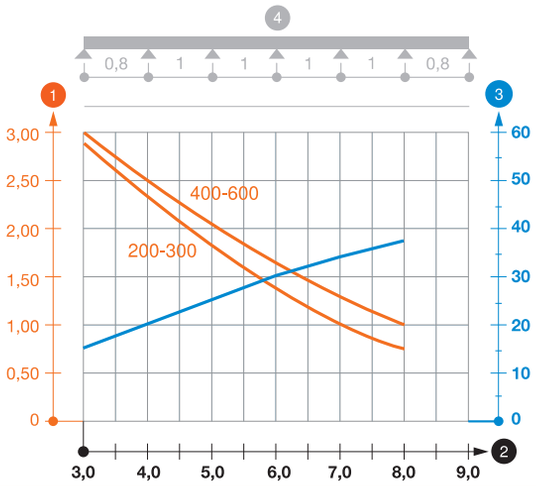
WKLG 160 = wide span cable ladder with perforated side rails of side height of 160 mm.

Magnetic shield insulation without cover 10 dB, with cover 15 dB.

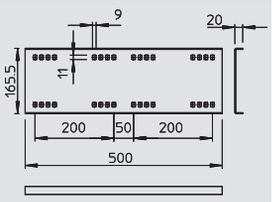
Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.



Load diagram, wide span cable ladder, type WKLG 160



1 Permitted cable tray/ladder load in kN/m without man load
2 Support width in m
3 Rail bend in mm at permitted kN/m
4 Load scheme during testing
Load curve with cable tray/ladder width in mm
Strut bend curve according to support width



Straight connector

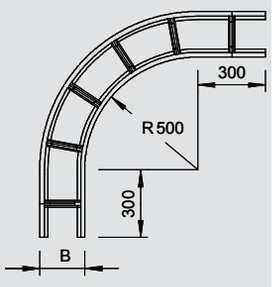
Type	Side height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WRVL 160 VA4571	160		2	186.000	**6227 73 0**

V4A Stainless steel, grade 316 Ti /pc.

Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 160 mm.

Including appropriate bolts, washers and nuts.





90° bend

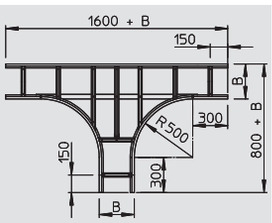
Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLB 90 162VA4571	200		1	1,145.000	**6229 50 0**
WLB 90 163VA4571	300		1	1,250.000	**6229 50 2**
WLB 90 164VA4571	400		1	1,356.000	**6229 50 4**
WLB 90 165VA4571	500		1	1,504.000	**6229 50 6**
WLB 90 166VA4571	600		1	1,618.000	**6229 50 8**

V4A Stainless steel, grade 316 Ti /pc.

90° bend, horizontal, for all wide span cable ladders of 160 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.





Tee

Type	Width mm		Pack. pcs	Weight kg/100 pcs.	Item No.
WLT 1620 VA4571	200		1	2,249.000	**6229 82 0**
WLT 1630 VA4571	300		1	2,452.000	**6229 82 2**
WLT 1640 VA4571	400		1	2,604.000	**6229 82 4**
WLT 1650 VA4571	500		1	2,756.000	**6229 82 6**
WLT 1660 VA4571	600		1	2,907.000	**6229 82 8**

V4A Stainless steel, grade 316 Ti /pc.

Horizontal tee, for all wide span cable ladders of 160 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

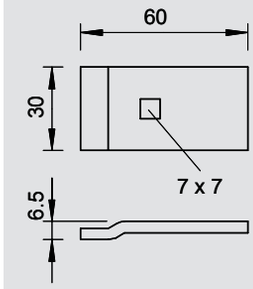


Hold-down clamp

Type		Pack. pcs	Weight kg/100 pcs.	Item No.
LKS60 4 VA4571		50	7.000	**6221 15 7**

V4A Stainless steel, grade 316 Ti /pc.

Hold-down clamp for fastening cable ladders.
Fastening on brackets, type AW..., using the enclosed truss-head bolt FRS M6x20.



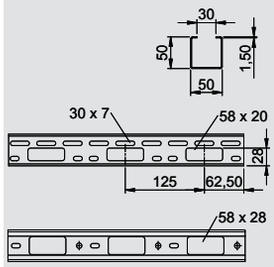
AZ channel



Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 050 VA4571	50	1.5	3,000		137.000	**6075 15 2**

V4A Stainless steel, grade 316 Ti /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

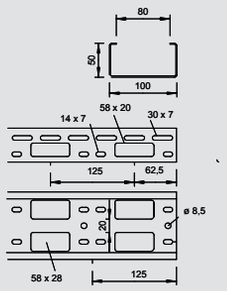


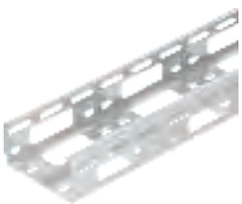


Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 100 VA4571	100	1.5	3,000		180.000	**6075 30 6**

V4A Stainless steel, grade 316 Ti /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

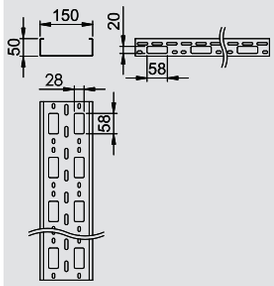




Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 150 VA4571	150	1.5	3,000		231.700	**6075 33 2**

V4A Stainless steel, grade 316 Ti /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

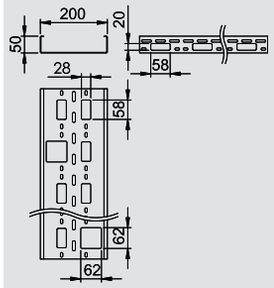


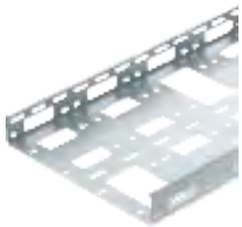


Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 200 VA4571	200	1.5	3,000		280.300	**6075 35 7**

V4A Stainless steel, grade 316 Ti /m

AZ small duct with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

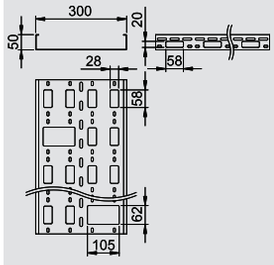




Type	Width mm	Plate thickness mm	Length mm		Weight kg/100 m	Item No.
AZK 300 VA4571	300	1.5	3,000		359.300	**6075 38 2**

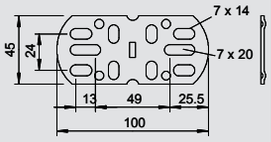
V4A Stainless steel, grade 316 Ti /m

AZ channel with a side height of 50 mm.
Magnetic shield insulation without cover 20 dB, with cover 50 dB.



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Always indicate the item number when ordering.



Straight and angle connector



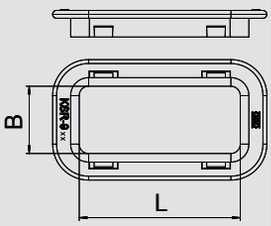
Type		Pack. pcs	Weight kg/100 pcs.	Item No.
VF AZK VA4571		10	7.000	**6066 57 1**

V4A Stainless steel, grade 316 Ti /pc.

Straight and angle connector for connection of AZ channels.

An adjustable connector can be created using two straight and angle connectors. Scope of delivery includes bolts and nuts.

Cable protection ring

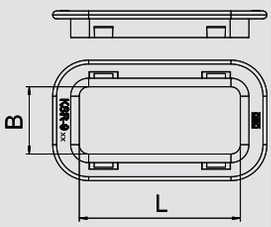


Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-910 PE	Light grey	20 x 58		25	0.500	**6066 71 2**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ channels and luminaire support channel.

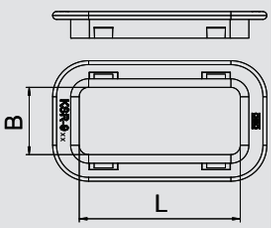


Type	Colour	for perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-915 PE	Light grey	28 x 58		25	0.500	**6066 70 4**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.

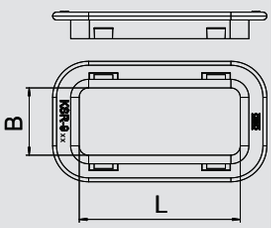


Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-920 PE	Light grey	62 x 62		25	0.680	**6066 69 6**



PE Polyethylene /pc.

Cable protection ring for bottom perforation in AZ channels and luminaire support channels.



Type	Colour	For floor perforation mm		Pack. pcs	Weight kg/100 pcs.	Item No.
KSR-925 PE	Light grey	105 x 62		25	0.920	**6066 68 8**



PE Polyethylene /pc.

Cable protection ring for bottom perforations in AZ channels and luminaire support channels.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013



04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Directories

Alphabetical table of contents		486
Numeric directory		490
Type listing		506
Terms and conditions of sale and delivery		487

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

4

45° angle connector, horizontal, 331-332, 337-338, 342, 443
45° angle connector, vertical, 343
45° Magic bend, 228, 242, 252, 262, 423, 468
45° Magic bend, pure white, 242
45° mounting angle, 302, 436

9

90° adjustable vertical bend, 245, 255, 265, 310, 316-317, 321, 425
90° Bend, 243, 279-280, 310, 315, 320, 329, 332, 335, 339, 344, 374, 438, 446, 479-481
90° Magic bend, 228, 242, 252, 262, 423, 468
90° Magic bend, pure white, 242
90° mesh cable tray bend, 287, 289
90° mounting angle, 302, 436
90° vertical bend, falling, 229, 245, 254, 264, 339, 395, 424, 469
90° vertical bend, rising, 229, 245, 254, 264, 339, 424, 469

A

Adapter head plate, asymmetrical, 177, 192
Adapter head plate, symmetrical, 176, 191
Adapter plate, 187, 197
Add-on corner, 329, 333, 442-443, 446
Add-on tee, 280, 329, 333, 395
Adjustable connector, 228, 241, 251, 309, 314, 320, 328, 332, 335, 338, 350, 399, 422, 438, 441, 443, 445, 448, 453, 467, 478, 480
Adjustable vertical bend element, 230, 246, 255, 265
Anchor bolt, 217, 417, 464
Anchor bolt VA, 217
Anchor sleeve, 219
Angle connector, 227-228, 240-241, 309, 314, 319, 328, 331, 334, 337, 350, 437, 441, 443, 445, 447, 478, 480
Angle profile, 206-207, 382, 415
Articulated connector, 261
AZ channel, 450-451, 482
AZ channel adapter LED, 371
AZ channel system 100, 394
AZ channel system 150, 394
AZ channel system 200, 395
AZ channel system 300, 395
AZ channel system 50, 394

B

Barrier strip, 227, 232, 238, 250, 260, 278, 284, 287-288, 300, 309, 314, 320, 329, 332, 335, 338, 343, 420-421, 430, 438, 441, 445, 465-466, 474, 478
Barrier strip connector, 227, 239, 250, 260, 278, 284, 287-288, 300, 320, 329, 332, 335, 338, 343, 420-421, 431, 438, 441, 445, 465-466, 475, 478
Barrier strip connector VA, 309, 315
Barrier strip connector, 233
Basis for FangFix system 10 kg, 298
Basis for FangFix system 16 kg, 297
Beam clamp, 196, 301, 432, 456
Beam clamp for cable ladders, 323, 439
Beam clamp, horizontal, 432
Beam clamp, horizontal BFK 153, 195
Beam clamp, horizontal BFK 187, 195
Beam clamp, vertical, 432
Beam clamp, vertical BFK 132, 195
Beam clamp, vertical BFK 166, 195
Beam clamping, 297
Bend 90 °, 385
BKK basic profile, 452-453
BKK basic profile, standard, 399
Blanking cover RST 20i3, 370
Bolt cutter, 298
Bolt for trapezoidal ceiling bracket, 404
Bolt for trapezoidal fastening, 377

B

Bottom end plate, 266, 425, 470

C

C mesh cable tray, 435
C mesh cable tray CGR, 300
Cable ladder clamp, 387
Cable ladder LG 110, 318
Cable ladder LG 45, 306
Cable ladder LG 60, 437, 477
Cable ladder LG 60 NS, 311
Cable ladder LG 60 VS, 312
Cable ladder LGN 110, 319
Cable ladder LGN 45, 307
Cable ladder LGN 60 NS, 313
Cable ladder LGN 60 VS, 313
Cable ladder SLG 45, 308
Cable ladder with Z rung, light duty, 388-389
Cable ladder with Z rung, standard, 389
Cable ladder, light duty, 386
Cable ladder, standard, 386
Cable protection ring, 239, 373, 396, 421, 451-452, 466, 483
Cable tray DKS, 421, 466
Cable tray EKS, 240
Cable tray EKSU, unperforated, with connector, 260, 278
perforation
Cable tray IKS-Magic®, 238
Cable tray MKS, 419
Cable tray MKS-Magic®, 234, 247, 256
Cable tray MKS-Magic®, unperforated, 236, 249, 258
Cable tray MKSU, 419
Cable tray RKS 35, 226
Cable tray RKS 60, 232
Cable tray RKS-Magic®, 226, 231
Cable tray RKS-Magic®, pure white, 232
Cable tray SKS, 239, 420, 465
Cable tray SKS-Magic®, 235, 248, 257
Cable tray SKS-Magic®, unperforated, 237, 250, 259
Cable tray SKSU 110, 277
Cable tray SKSU 60, 276
Cable tray, marine standard, 384-385
Cavity ceiling anchor, 218
Ceiling bracket, 158, 161, 376, 456
Ceiling bracket, trapezoidal, 158, 377, 404
Ceiling bracket, variable, 158, 376
Ceiling hook, 158, 376
Central hanger, 379, 434, 476
Central suspension, 294-295
Central suspension for cable tray MAH, 160
Central suspension for cable tray MAH 35, 159
Central suspension for cable tray MAH 60, 160
Central suspension VA, 295
Central suspension, universal, 160, 322
Centring sleeve, 220
Chuck jaw, heavy-duty TKH, 196
Chuck jaw, heavy-duty TKS, 197
Chuck jaw, light-duty TKH, 196
Chuck jaw, light-duty TKS, 196
Clamp, 291-292, 301-302, 431-432, 435-436
Clamp VA, 292
Clamping angle, 195, 413
Clamping angle KWH, 195
Clamping angle KWS, 196
Column foot, 398
Concrete block for FangFix system 10 kg, 297
Concrete block for FangFix system 16 kg, 297
Conduit take-off bracket, 295
Conical drill, 220
Connection cable, 376-376
Connection plate with 1 hole, 203
Connection plate with 2 holes, 202

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

C

Connection plate with 3 holes, 202
Connection plate with 4 holes, 202
Connection plate with 5 holes, 202
Connection plate, L-shaped, 203
Connection plate, T-shaped, 203
Connection plate, X-shaped, 203
Connection sleeve, 159, 377
Connection sleeve VA, 159
Connector, 203, 309, 314, 320, 388, 438
Connector for cables RST 20i3, female, 369
Connector for cables RST 20i3, male, 369
Construction and suspension profile, 207-208, 382
Corner connector, 228, 241, 251, 261, 293, 422, 433, 467, 475
Corner plate, 323
Corner seat, 188
Counter plate, 215
Counter sleeve, 364
Cover, 267, 296, 324, 340, 345, 396, 425, 434, 470
Cover clamp, 268, 396
Cover clamp, universal, 268, 297, 426, 435, 470
Cover for 45° Magic bend, 269, 426, 470
Cover for 90° bend, 340, 374
Cover for 90° bend, 324
Cover for 90° Magic bend, 269, 426, 471
Cover for 90° vertical bend, falling, 270, 427, 471
Cover for 90° vertical bend, falling, side height 110, 272
Cover for 90° vertical bend, falling, side height 35, 271
Cover for 90° vertical bend, falling, side height 60, 271, 427, 472
Cover for 90° vertical bend, falling, side height 85, 271
Cover for add-on tee, 340
Cover for cross-over, 341, 375
Cover for Magic add-on tee, 269, 427, 471
Cover for Magic cross-over, 270, 427, 471
Cover for Magic tee, 270, 427, 471
Cover for motor connection column, 398
Cover for tee, 325, 340, 374
Cover incl. turn buckle, 452
Cover incl. turn-buckle, 379, 396-397, 426, 440, 470
Cover incl. turn-buckles, 446
Cover with corrugated sheet, 281
Cover with corrugated sheet and turn buckle, 281
Cover with corrugated sheet for 90° bend, 281
Cover with corrugated sheet for add-on tee, 281
Cover with spacer, 324, 350
Cover with turn buckle, 268
Cross-over, 310, 316, 321, 336, 344, 375

D

Device connection RST 20i3, external thread, 369
Device connection RST 20i3, internal thread, 369
Drive-in mandrel, 218, 417
Drop-out plate, 323, 434, 439
Drop-out plate, 296

E

Earthing screw, 222, 293
Edge protection strip, 221, 267
End cap, 167-168, 171, 174, 189, 198, 207, 298, 308, 314, 319, 334, 350-352, 354, 405, 407, 409, 415, 437, 444, 447, 457, 459, 477, 480
End cap MS 41, 202, 415
Extensions for RST 20i3, 369

F

Fastening clamp, horizontal, 432
Fastening clamp, vertical, 432
Flange nut, 216, 292, 302, 416, 433, 463
Flange nut DIN 6923 VA, 216
Flange nut VA, 216

G

G mesh cable tray Magic, side height 125 mm, 299, 430, 474
G mesh cable tray Magic, side height 150 mm, 299, 430, 474
G mesh cable tray Magic, side height 50 mm, 299, 429, 474
G mesh cable tray Magic, side height 75 mm, 299, 429, 474
Grounding clamp, 293

H

Hammer-head bolt, for MS 21 / 41, 206
Hammer-head bolt, for MS 21 / 41 V4A, 206
Hammerset anchor, 217, 417, 464
Hammerset anchor VA, 218
Head plate, 169, 202, 406, 408, 458, 460
Head plate for welding, 176, 191
Head plate US 5, 172
Head plate US 5 NOK, 172
Head plate, crosswise, 190
Head plate, heavy-duty, 175, 410
Head plate, lengthwise, 190
Head plate, light-duty, 175
Head plate, variable, 170, 173, 176, 191, 406, 411, 458
Heavy-duty anchor, 217
Heavy-duty vertical cable ladder, 3.000 mm, 351
Hexagonal bolt, 158, 167, 170, 173, 177, 197, 213, 377, 406, 408, 411, 458, 460
Hexagonal bolt with nut and washer, 213
Hexagonal bolt with nut and washer VA, 214
Hexagonal nut, 216, 416
Hexagonal nut VA, 216
Hold down clip, 292
Hold-down clamp, 295, 322, 336, 339, 343, 431, 439, 446, 475, 477, 479, 482
Hold-down clamp for barrier strip fastening, 233, 284, 287, 289, 300, 320, 335, 338, 343, 420, 431, 438, 441, 445, 465, 475, 478
Hold-down clamp for barrier strip fastening VA, 309
Hold-down clamp for barrier strip fastening, 227
Hold-down clamp for mesh cable trays on, 297
FangFix systems
Hook screw, 292, 301, 383, 433

I

I support connector, 190, 354
Identification clip, 296, 302, 436, 477
Industrial vertical cable ladder C40, 354
Industrial vertical cable ladder W40, 354
Insert plate, 324, 341, 444
IS 8 support, 189-190

J

Joint connector, 291, 301, 399, 431, 435, 453, 475
Joint plate, 266, 330, 333, 425, 442-443, 469

L

Large washer, 214-215
Large washer VA, 215
LED module, 368
Light-duty vertical cable ladder, 3.000 mm, 348
Light-duty vertical cable ladder, 6.000 mm, 348
Lock washer, 215
Luminaire support channel, 373
Luminaire support clamp LTK, 368
Luminaire support tray, 379

M

Magic add-on tee, 229, 243, 253, 263, 424, 468
Magic add-on tee, pure white, 243
Magic bend, variable, 243, 253, 263, 423, 468
Magic cable tray adapter LED, 372
Magic cross-over, 229, 244, 254, 264, 424, 469

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

M

Magic cross-over, pure white, 244
Magic sraight connector, 468
Magic straight conector, 252
Magic straight connector, 241, 262, 423
Magic straight connector set, 227, 240, 251, 261, 422, 467
Magic Tee, 229, 244, 253, 263, 424, 469
Magic Tee, pure white, 244
Medium-duty vertical cable ladder SLG, 6.000 mm, 349
Medium-duty vertical cable ladder SLL, 6.000 mm, 349
Mesh angle, 297
Mesh cable tray connector, 291
Mesh cable tray connector, long, 291
Mesh cable tray GR, 290
Mesh cable tray GR-Magic®, 284-285, 288
Mesh cable tray GR-Magic® 105, 429, 473
Mesh cable tray GR-Magic® 35, 428, 472
Mesh cable tray GR-Magic® 55, 428, 473
Mesh cable tray GR-Magic® with barrier strip, 286
Motor connection column, 398
Mounting angle, 192, 356, 448
Mounting angle BW 70, 177
Mounting bracket, 398
Mounting bracket for individual suspension of LED, 368
module
Mounting bracket, 45° with 3 holes, 204
Mounting bracket, 45° with 4 holes, 204
Mounting bracket, 90° with 2 holes, 204
Mounting bracket, 90° with 3 holes, 204
Mounting bracket, 90° with 4 holes, 204
Mounting plate, 266-267, 296, 398, 425, 476
Mounting rail, MS 21, 198-199
Mounting rail, MS 21 V2A, 414
Mounting rail, MS 21, double version, 199
Mounting rail, MS 21, double version, V2A, 414
Mounting rail, MS 41, 200
Mounting rail, MS 41 V2A, 414
Mounting rail, MS 41, double version, 201
Mounting rail, MS 41, double version, V2A, 415
Mounting rail, MS41, 200-201
Mounting angle BW 60, 177

N

Nail anchor, 217

O

Omega clamp, 203-204

P

Perforated steel strap, 378
Pressing gun, 220
Profile rail, slot 22 mm, 198, 414
Protective cap for mounting rail MS41, 415
Protective cap for profile rail, 414
Protective cap MS21, 199
Protective cap MS41, 201

Q

Quick connector, 212, 291, 431, 475
Quick link, 377

R

Rail connector SV with 3 holes, 205
Reducer / stop-end, 228, 241, 251, 261, 423
Reducer for AZ channel 150 to 50 mm, 371
Reducer for AZ channel 150 to 100 mm, 371
Ring eyelet, 378
RKSM cable tray, 418, 464
Rope thimble, 378
Rung CK 40, 355
Rung CKD 40, 355

R

Rung CPS 4, 353
Rung seat, 353
Rung WSK 40, 355
Rung, standard, 386-387

S

Screw anchor, 218-219
Screw connector, 385
Serrated washer, 215
Serrated washer VA, 215
Side holder, 295, 433, 476
Side holder, universal, 159, 404, 456
SKS cable tray adapter LED, 372
Slide nut, 322, 415
Slide nut, 22 mm slot width, for MS 21 / 41, 205-206
Slide nut, 22 mm slot width, for MS 21 / 41, V4A, 205-206
Slotted steel strap, 207, 293
Slotted steel strap, bent, 293
Spacer, 167, 169, 172-173, 175-176, 404, 406, 408, 410-411, 458, 460
Splint for trapezoidal ceiling bracket, 158
Spring chuck, 391
Stand-off bracket, 161, 294, 413, 463, 476
Steel wire tensioning rope, 377
Straight and angle connector, 251, 261, 373, 395, 422, 451, 467, 483
Straight connector, 227, 240, 308, 314, 319, 328, 331, 334, 337, 342, 350, 373, 395, 422, 437, 440, 442, 444, 447, 451, 467, 478, 480-481
Straight connector set, 279, 379
Supply of LED module, 368
Support, 322, 439
Support angle, 323
Support bracket AS 15, 193
Support bracket AS 30, 193
Support bracket AS 55, 194
Support claw, 192, 355
Support plate, 323
Support strap, 192, 355
Suspension bracket, 374
Suspension chain, 377

T

Tee, 310, 315-316, 321, 336, 339, 344, 374, 439, 446, 479-481
Threaded rod, 159, 294, 376, 416, 434, 476
Threaded rod VA, 159, 294
Threaded rod, 219
Tightening strap, 389
Tightening strap in fixed lengths, 390
Tightening strap lock, 390
Tightening strap lock VA, 390
Tightening strap VA, 390
TP profile, 166-167
TP support, 164, 402
TP support / wall and support bracket, 165-166, 403
TP wall and ceiling bracket, 162-163, 402
Triangular node, 205
Truss-head bolt, 167, 170, 173, 177, 399, 406, 408, 410, 458
Truss-head bolt with flange nut, 212, 416, 453, 463
Truss-head bolt with flange nut VA, 212
Truss-head bolt with nut and washer, 212, 416, 463
Truss-head bolt with nut and washer VA, 212
TS suspension eyelet, 378
Turn buckle, 268-269, 324, 341, 345, 397, 426, 440, 452
Two-component injection mortar, 219

U

U clamp, 448-450
U clamp (BBS clamp), 357-364
U clamp (BBS clamp), 357
U support connector, 169, 172, 175, 351-352, 406, 410, 458

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

U

Universal drill, 218, 417
US 3 support, 168, 351, 405, 457
US 3 support FS, 169
US 3 support FT, 169
US 5 support, 171-172, 351, 407, 459
US 7 support, 174-175, 352, 409-410

V

Vertical cable ladder, 447

W

Wall and clamping bracket AWSS, 187
Wall and support bracket AW 15, 181-182, 411, 461
Wall and support bracket AW 30, 184, 412, 462
Wall and support bracket AW 55, 185, 413, 462
Wall and support bracket AWG 15, 183, 412, 461
Wall and support bracket MWA 12, 178
Wall and support bracket MWAG 12, 180
Wall and support bracket MWAM 12, 179
Wall bracket, 161, 350, 448
Wall bracket / mounting plate, 434
Wall bracket AW 80, 186
Wall bracket, variable AWV, 463
Wall bracket, variable AWV FT, 186
Wall bracket, variable AWVL, 186, 463
Wall clamp / central hanger, 293, 433
Wall clamp for GRM 35 50, 294, 433
Washer, 214, 416
Washer VA, 214
Welding angle, 382
Wide span cable ladder WKL 200, 342
Wide span cable ladder WKLG 110, 334, 444, 479
Wide span cable ladder WKLG 160, 337, 481
Wide span cable tray WKSG 110, 328, 440
Wide span cable tray WKSG 160, 331, 442
Wire rope clamp, 378

Z

Zinc primer, 221
Zinc spray, 221

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page
		/pc.				/100 m				/100 pc.				/100 pc.	
567297	**1121 24 3**		198	569821	**1122 98 0**		414	608358	**1146 69 2**		206	506571	**1161 46 6**		358
567255	**1121 27 8**		198	569822	**1122 98 2**		414	608344	**1146 70 6**		206	506577	**1161 52 0**		358
567249	**1121 29 4**		198					608346	**1146 70 8**		206	506583	**1161 57 1**		358
588225	**1121 30 8**		198	569786	**1123 00 1**		201	608338	**1146 71 0**		206	506589	**1161 64 4**		358
567261	**1121 33 2**		198	569790	**1123 00 3**		201	608340	**1146 71 2**		206	566834	**1161 91 2**		449
506831	**1121 33 6**		198	569791	**1123 00 5**		201					566838	**1161 91 6**		449
551457	**1121 36 3**		198	569792	**1123 00 8**		200					566839	**1161 92 2**		449
574503	**1121 39 1**		198	569831	**1123 01 0**		200	544568	**1148 95 0**		206	566840	**1161 92 8**		449
588633	**1121 40 5**		198	569832	**1123 01 2**		200	544572	**1148 95 5**		206	566844	**1161 93 4**		449
		/100 m		569833	**1123 01 4**		414	544573	**1148 96 1**		206	566845	**1161 94 0**		449
588621	**1121 44 8**		198	569834	**1123 01 6**		414	544574	**1148 96 6**		206	566846	**1161 94 6**		449
504921	**1121 46 4**		198	569838	**1123 01 8**		414	544578	**1148 97 2**		206	566850	**1161 95 2**		449
541968	**1121 46 6**		198			/100 pc.		594191	**1148 99 0**		206	566851	**1161 95 8**		449
546249	**1121 47 2**		198	593921	**1123 12 1**		205	594192	**1148 99 2**		206	566852	**1161 96 4**		449
504927	**1121 48 0**		414	593922	**1123 12 4**		205	594193	**1148 99 6**		206				
504933	**1121 49 9**		414	593927	**1123 19 1**		202	594194	**1148 99 8**		206	506697	**1162 12 8**		359
				593928	**1123 19 3**		202					506703	**1162 16 0**		359
569796	**1122 47 9**		201					594197	**1149 00 2**		206	506709	**1162 22 5**		359
569797	**1122 48 1**		201	578532	**1124 56 3**		198					506715	**1162 28 4**		359
505073	**1122 48 3**		201	548574	**1124 60 1**		203	573254	**1154 97 0**		383	506721	**1162 34 9**		359
505074	**1122 48 7**		201	548575	**1124 60 3**		203	573257	**1154 97 5**		383	506727	**1162 40 3**		359
		/100 pc.		548576	**1124 60 5**		202	546339	**1154 99 0**		292	506733	**1162 46 2**		359
548451	**1122 50 9**		200	548580	**1124 60 7**		202								
548589	**1122 51 7**		200	548581	**1124 60 9**		202	506271	**1156 00 4**		360	506739	**1163 12 4**		357
548625	**1122 52 5**		200	548582	**1124 61 1**		202	506277	**1156 01 2**		360	506745	**1163 16 7**		357
548679	**1122 53 3**		200	548586	**1124 61 3**		203	506283	**1156 02 0**		360	506751	**1163 22 1**		357
548691	**1122 54 1**		200	548587	**1124 61 5**		203	506289	**1156 03 9**		360	506757	**1163 28 0**		357
548703	**1122 56 8**		200	548588	**1124 61 7**		203	506295	**1156 04 7**		360	506763	**1163 34 5**		357
548709	**1122 57 6**		200	548591	**1124 61 9**		204	506301	**1156 05 5**		360	506769	**1163 39 6**		357
548715	**1122 58 4**		200	548592	**1124 62 1**		204	506307	**1156 06 3**		360	506775	**1163 46 9**		357
		/100 m		548593	**1124 62 3**		204	506313	**1156 07 1**		360	506781	**1163 52 3**		357
548727	**1122 60 6**		200	548594	**1124 62 5**		205	506319	**1156 09 8**		360	506787	**1163 58 2**		357
548787	**1122 62 2**		200	548595	**1124 62 7**		204	506325	**1156 10 1**		360	506793	**1163 64 7**		357
548817	**1122 65 7**		200	548596	**1124 62 9**		204	506331	**1156 12 8**		360	506799	**1163 70 1**		357
569798	**1122 67 1**		201	548597	**1124 63 1**		204	506337	**1156 13 6**		360				
569802	**1122 67 3**		201	548598	**1124 63 3**		203	506343	**1156 14 4**		360	506829	**1164 12 0**		357
569803	**1122 67 6**		201	548600	**1124 64 1**		203	506349	**1156 15 2**		360	506835	**1164 16 3**		357
569804	**1122 67 8**		201	548601	**1124 64 3**		203	506355	**1156 16 0**		360	506841	**1164 22 8**		357
593802	**1122 68 2**		415	548602	**1124 64 5**		202					506847	**1164 28 7**		357
593803	**1122 68 4**		415	548603	**1124 64 7**		202	506361	**1159 51 8**		448	506853	**1164 34 1**		357
		/100 pc.		548604	**1124 64 9**		202	506367	**1159 52 6**		448	506859	**1164 40 6**		357
568620	**1122 90 0**		201	548605	**1124 65 1**		202	506373	**1159 53 4**		448	506865	**1164 46 5**		357
568621	**1122 90 2**		199	548606	**1124 65 3**		203	506379	**1159 54 2**		448	506871	**1164 51 1**		357
589411	**1122 90 6**		202	548607	**1124 65 5**		203	506385	**1159 55 0**		448	506877	**1164 58 9**		357
		/100 m		548608	**1124 65 7**		203	506391	**1159 56 9**		448				
569750	**1122 90 8**		200	548609	**1124 65 9**		204	506397	**1159 57 7**		448	507063	**1169 12 2**		363
568622	**1122 91 0**		200	548610	**1124 66 1**		204	506403	**1159 58 5**		448	507069	**1169 16 5**		363
568623	**1122 91 2**		200	548611	**1124 66 3**		204	506409	**1159 59 3**		448	507075	**1169 21 1**		363
568624	**1122 91 4**		201	548612	**1124 66 5**		205	506415	**1159 60 7**		448	507081	**1169 28 9**		363
568625	**1122 91 6**		201	548613	**1124 66 7**		204	506421	**1159 61 5**		448	507087	**1169 34 3**		363
568626	**1122 91 8**		199	548614	**1124 66 9**		204	506427	**1159 62 3**		448	507093	**1169 40 8**		363
568627	**1122 92 0**		199	548615	**1124 67 1**		204	566819	**1159 71 2**		449	507099	**1169 46 7**		363
568628	**1122 92 2**		199	548616	**1124 67 3**		203	566820	**1159 71 6**		449	507105	**1169 52 1**		363
569754	**1122 92 3**		199					566821	**1159 72 2**		449	507111	**1169 58 0**		363
568629	**1122 92 4**		199	505323	**1141 10 4**		322	566822	**1159 72 8**		449	507117	**1169 64 5**		363
568630	**1122 92 6**		199					566826	**1159 73 4**		449	507123	**1169 69 6**		363
569755	**1122 92 8**		414	511992	**1143 12 3**		322	566827	**1159 74 0**		449	507129	**1169 76 9**		363
569756	**1122 92 9**		414					566828	**1159 74 6**		449	507135	**1169 82 3**		363
		/100 pc.		589699	**1146 39 0**		205	566829	**1159 75 2**		449	507141	**1169 90 4**		363
569762	**1122 93 3**		199	589700	**1146 39 2**		205	566830	**1159 75 8**		449				
569766	**1122 93 4**		199	589704	**1146 39 4**		205	566831	**1159 76 4**		449	507153	**1170 12 0**		364
569767	**1122 93 5**		199	589705	**1146 39 6**		205	566832	**1159 77 0**		449	507159	**1170 16 3**		364
569768	**1122 93 6**		199	594198	**1146 40 1**		205	566833	**1159 77 6**		449	507165	**1170 22 8**		364
569772	**1122 93 7**		199	594199	**1146 40 3**		205					507171	**1170 28 7**		364
569773	**1122 93 8**		199	594200	**1146 40 6**		205	506445	**1160 12 5**		358	507177	**1170 34 1**		364
569774	**1122 93 9**		199	594203	**1146 40 8**		205	506451	**1160 16 8**		358	507183	**1170 40 6**		364
569778	**1122 94 0**		199	589045	**1146 43 0**		205	506457	**1160 22 2**		358	507189	**1170 46 5**		364
		/100 m		589046	**1146 43 4**		205	506463	**1160 28 1**		358	507195	**1170 51 1**		364
569779	**1122 94 4**		199	589047	**1146 43 8**		205	506469	**1160 34 6**		358				
569780	**1122 94 5**		199	589048	**1146 44 2**		205	506475	**1160 40 0**		358	507273	**1175 12 2**		361
569784	**1122 94 7**		199	544561	**1146 45 1**		205	506481	**1160 45 1**		358	507279	**1175 16 5**		361
569785	**1122 94 8**		199	544562	**1146 45 5**		205	506487	**1160 52 4**		358	507285	**1175 21 1**		361
593800	**1122 95 2**		414	544566	**1146 45 9**		205	506493	**1160 58 3**		358	507291	**1175 28 9**		361
593801	**1122 95 4**		414	544567	**1146 46 3**		205	506499	**1160 64 8**		358	507297	**1175 34 3**		361
				508412	**1146 55 6**		415	506505	**1160 70 2**		358	507303	**1175 40 8**		361
		/100 pc.		508415	**1146 55 8**		415	506511	**1160 76 1**		358	507309	**1175 46 7**		361
584804	**1122 95 7**		198	508490	**1146 56 0**		415	506517	**1160 82 6**		358	507315	**1175 52 1**		361
				508416	**1146 56 2**		415	506523	**1160 90 7**		358	507321	**1175 58 0**		361
		/100 m		508417	**1146 64 6**		415	506529	**1160 99 0**		358	507327	**1175 64 5**		361
569808	**1122 96 2**		200	508418	**1146 64 8**		415					507333	**1175 69 6**		361
569809	**1122 96 4**		200	508421	**1146 65 0**		415	506535	**1161 12 1**		358	507339	**1175 76 9**		361
569810	**1122 96 6**		200	508422	**1146 65 2**		415	506541	**1161 16 4**		358	507345	**1175 82 3**		361
569814	**1122 97 0**		200					506547	**1161 22 9**		358	507351	**1175 90 4**		361
569815	**1122 97 2**		200	608350	**1146 68 6**		206	506553	**1161 28 8**		358	507357	**1175 99 8**		361
569816	**1122 97 4**		200	608352	**1146 68 8**		206	506559	**1161 34 2**		358				
569820	**1122 97 8**		414	608356	**1146 69 0**		206	506565	**1161 40 7**		358	507363	**1176 12 9**		361

GTIN	Art. no.	Price	Page
		/100 pc.	
507369	**1176 16 1**		361
507375	**1176 22 6**		361
507381	**1176 28 5**		361
507387	**1176 33 1**		361
507393	**1176 40 4**		361
507399	**1176 46 3**		361
507405	**1176 52 8**		361
507411	**1176 58 7**		361
507417	**1177 12 5**		362
507423	**1177 16 8**		362
507429	**1177 22 2**		362
507435	**1177 28 1**		362
507441	**1177 34 6**		362
507447	**1177 40 0**		362
507453	**1177 45 1**		362
507459	**1178 50 4**		450
507465	**1178 51 2**		450
507471	**1178 52 0**		450
507477	**1178 53 9**		450
507483	**1178 54 7**		450
507489	**1178 55 5**		450
507495	**1178 56 3**		450
507501	**1178 57 1**		450
507507	**1178 59 8**		450
507513	**1178 60 1**		450
507519	**1178 62 8**		450
507525	**1178 63 6**		450
507543	**1180 12 6**		362
507549	**1180 16 9**		362
507555	**1180 22 3**		362
507561	**1180 28 2**		362
507567	**1180 34 7**		362
507573	**1180 40 1**		362
507579	**1180 46 0**		362
507585	**1180 52 5**		362
507591	**1180 58 4**		362
507597	**1180 64 9**		362
507603	**1180 68 1**		362
507609	**1180 76 2**		362
507615	**1180 82 7**		362
507621	**1180 90 8**		362
507633	**1181 12 2**		363
507639	**1181 16 5**		363
507645	**1181 21 1**		363
507651	**1181 28 9**		363
507657	**1181 34 3**		363
507663	**1181 40 8**		363
507669	**1181 46 7**		363
507675	**1181 52 1**		363
507681	**1181 58 0**		363
507729	**1183 20 6**		359
507735	**1183 21 4**		359
507741	**1183 22 2**		359
507747	**1183 23 0**		359
507753	**1183 24 9**		359
507759	**1183 25 7**		359
507765	**1183 26 5**		359
507771	**1183 27 3**		359
507777	**1183 28 1**		359
507783	**1183 30 3**		359
543531	**1183 31 1**		359
543537	**1183 33 8**		359
543549	**1183 38 9**		360
543555	**1183 39 7**		360
543561	**1183 40 0**		360
543567	**1183 41 9**		360
543573	**1183 42 7**		360
543579	**1183 43 5**		360
543585	**1183 44 3**		360
543591	**1183 45 1**		360
543597	**1183 47 8**		360
508137	**1195 12 3**		364
508143	**1195 16 6**		364
508149	**1195 22 0**		364
508155	**1195 27 1**		364
508161	**1195 34 4**		364
508167	**1195 40 9**		364
508173	**1195 46 8**		364
508179	**1195 52 2**		364
508185	**1195 58 1**		364

GTIN	Art. no.	Price	Page
		/100 pc.	
508191	**1195 64 6**		364
508197	**1195 70 0**		364
		/100 m	
513759	**1465 76 7**		207
513765	**1465 77 5**		207
513771	**1465 79 1**		207
513777	**1465 80 5**		207
513783	**1465 82 1**		207
513795	**1466 26 7**		207
		/100 pc.	
561711	**1466 50 0**		293
561717	**1466 50 4**		293
		/pc.	
513831	**1470 12 4**		378
513837	**1470 17 5**		378
513843	**1470 26 4**		378
513867	**1471 12 0**		378
513873	**1471 17 1**		378
513879	**1471 26 0**		378
		/100 pc.	
585949	**1486 25 0**		196
585950	**1486 25 4**		432
585951	**1486 25 8**		456
585952	**1486 27 0**		196
585953	**1486 27 4**		432
585954	**1486 27 8**		456
		/pc.	
551841	**2362 97 0**		221
584090	**2362 97 2**		221
		/100 pc.	
525333	**3141 12 8**		159
511998	**3141 13 6**		159
512358	**3141 14 0**		159
512364	**3141 14 4**		159
525339	**3141 20 9**		159
525345	**3141 30 6**		159
502345	**3141 31 0**		159
502357	**3141 31 2**		159
559443	**3141 31 4**		159
609840	**3141 49 2**		476
609844	**3141 50 2**		476
609846	**3141 51 2**		476
584964	**3156 12 0**		216
584971	**3156 12 2**		216
584972	**3156 12 6**		216
525585	**3156 49 4**		213
525597	**3156 51 6**		213
525603	**3156 52 4**		213
525621	**3158 20 9**		213
525627	**3158 24 1**		213
525633	**3158 30 6**		213
525657	**3158 62 4**		213
525663	**3158 63 2**		213
525669	**3158 64 0**		213
525681	**3160 20 3**		213
525693	**3160 30 0**		213
525705	**3160 40 8**		213
525711	**3160 50 5**		213
525717	**3160 60 2**		213
525723	**3160 73 4**		213
525729	**3160 74 2**		213
525735	**3160 75 0**		213
550563	**3160 79 3**		173
525759	**3162 30 3**		213
525771	**3162 40 0**		213
525777	**3162 50 8**		213

GTIN	Art. no.	Price	Page
		/100 pc.	
525807	**3163 09 1**		213
525813	**3163 11 3**		213
525825	**3163 15 6**		213
531741	**3164 02 0**		197
529767	**3397 06 8**		216
529773	**3397 08 4**		216
529779	**3397 10 6**		216
529785	**3397 11 4**		216
529809	**3400 06 9**		216
529815	**3400 08 5**		216
529821	**3400 10 7**		216
529827	**3400 12 3**		216
529839	**3400 34 4**		216
529845	**3400 35 2**		216
529851	**3400 36 0**		216
529857	**3400 37 9**		216
530001	**3402 06 1**		214
530007	**3402 08 8**		214
530013	**3402 09 6**		214
530019	**3402 12 6**		214
530031	**3402 20 7**		214
530037	**3402 21 5**		214
530043	**3402 22 3**		214
530049	**3402 30 4**		214
530055	**3402 31 2**		214
530061	**3402 32 0**		214
530067	**3402 33 9**		214
530073	**3402 44 4**		214
530079	**3402 45 2**		214
530085	**3402 46 0**		214
530091	**3402 47 9**		214
586791	**3403 02 5**		215
586797	**3403 04 1**		215
586803	**3403 07 6**		215
586809	**3403 08 4**		215
586815	**3403 09 2**		215
586821	**3403 12 2**		215
594434	**3403 12 5**		215
586827	**3403 13 0**		215
594438	**3403 13 5**		215
594625	**3403 14 5**		215
594439	**3403 15 5**		215
586833	**3403 16 5**		215
594629	**3403 17 5**		215
530163	**3404 06 4**		215
530169	**3404 08 0**		215
530175	**3404 10 2**		215
530181	**3404 12 9**		215
530193	**3404 33 1**		215
530199	**3404 35 8**		215
530229	**3405 06 0**		215
530235	**3405 08 7**		215
530241	**3405 10 9**		215
530247	**3405 12 5**		215
551331	**3453 82 0**		158
530697	**3462 86 2**		378
530703	**3462 88 9**		378
530715	**3463 06 0**		378
543737	**3488 29 2**		219
543738	**3488 29 8**		219
571431	**3488 30 6**		219
543739	**3488 30 8**		219
543740	**3488 31 2**		219
		/pc.	
531927	**3488 40 3**		219
		/100 pc.	
543743	**3488 45 2**		219
571425	**3488 46 2**		219
543744	**3488 46 4**		219
543745	**3488 46 8**		219
543746	**3488 51 5**		220
		/pc.	
543749	**3488 52 5**		220
531891	**3488 52 7**		220

GTIN	Art. no.	Price	Page
		/100 pc.	
545403	**3492 03 6**		217
545409	**3492 06 0**		217
545415	**3492 09 5**		217
590983	**3492 09 7**		218
502517	**3492 14 5**		218
502518	**3492 15 0**		218
		/pc.	
545439	**3492 33 8**		218
545445	**3492 36 2**		218
545451	**3492 39 7**		218
545421	**3492 62 1**		218
545427	**3492 66 4**		218
545433	**3492 69 9**		218
		/100 pc.	
596392	**3498 10 7**		218
596398	**3498 12 3**		219
596404	**3498 15 8**		219
596410	**3498 20 4**		218
596416	**3498 26 3**		219
546189	**3498 42 5**		217
569319	**3498 46 8**		217
550425	**3498 48 4**		217
570606	**3498 48 7**		217
588843	**3498 50 6**		217
570607	**3498 50 9**		217
588849	**3498 54 9**		217
588855	**3498 58 1**		217
580550	**3498 58 4**		217
504950	**3498 59 7**		217
590988	**3498 60 1**		464
588861	**3498 65 4**		217
548913	**3498 74 3**		217
559893	**3498 76 0**		218
559911	**3498 76 4**		218
569271	**3498 82 4**		217
568880	**3498 83 5**		217
569265	**3498 85 9**		217
541395	**5301 03 3**		378
541455	**5302 02 1**		378
		/100 m	
541497	**5303 20 6**		377
		/100 pc.	
573842	**5403 10 0**		297
507007	**5403 11 7**		297
507008	**5403 12 4**		298
554889	**5403 22 7**		297
554895	**5403 23 5**		297
		/m	
565059	**6000 05 4**		428
546770	**6000 05 5**		428
546773	**6000 05 6**		428
547072	**6000 05 7**		428
547073	**6000 05 9**		428
562481	**6000 06 0**		284
503714	**6000 06 2**		284
503717	**6000 06 3**		284
503718	**6000 06 4**		284
503719	**6000 06 6**		284
562482	**6000 06 9**		284
503720	**6000 07 1**		284
503723	**6000 07 2**		284
503724	**6000 07 3**		284
503725	**6000 07 5**		284
597807	**6000 08 6**		472
536075	**6000 08 7**		472
536076	**6000 08 9**		472
536077	**6000 09 0**		472
536078	**6000 09 1**		472
631723	**6001 04 0**		285
631735	**6001 04 4**		285
631747	**6001 04 7**		285
632353	**6001 05 0**		285
632383	**6001 05 3**		285

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/m	
632413	**6001 05 6**		285
632443	**6001 05 9**		285
543093	**6001 07 0**		428
610129	**6001 07 2**		428
610135	**6001 07 4**		428
610141	**6001 07 6**		428
610177	**6001 07 8**		428
610219	**6001 08 0**		428
587485	**6001 08 1**		428
610225	**6001 08 2**		428
610231	**6001 08 5**		428
543104	**6001 08 7**		473
516601	**6001 08 8**		473
516602	**6001 09 0**		473
516606	**6001 09 1**		473
516607	**6001 09 3**		473
516608	**6001 09 5**		473
587486	**6001 09 6**		473
516612	**6001 09 7**		473
516613	**6001 09 9**		473
543094	**6001 41 5**		285
681487	**6001 41 6**		285
607891	**6001 41 8**		285
681493	**6001 42 0**		285
504528	**6001 42 1**		285
681505	**6001 42 4**		285
681511	**6001 42 8**		285
601806	**6001 43 0**		285
681517	**6001 43 2**		285
681523	**6001 43 6**		285
543095	**6001 44 1**		285
685855	**6001 44 2**		285
607897	**6001 44 4**		285
685861	**6001 44 6**		285
504527	**6001 44 7**		285
685867	**6001 44 8**		285
685873	**6001 45 0**		285
601818	**6001 45 1**		285
685879	**6001 45 2**		285
685885	**6001 45 4**		285
		/pc.	
635263	**6001 92 0**		287
635269	**6001 93 9**		287
635275	**6001 94 7**		287
635281	**6001 95 5**		287
584784	**6001 95 7**		287
635287	**6001 96 3**		287
635293	**6001 97 1**		287
662479	**6001 99 8**		287
600169	**6002 21 8**		287
602724	**6002 22 2**		287
600175	**6002 22 6**		287
600181	**6002 23 4**		287
600187	**6002 24 2**		287
600193	**6002 25 0**		287
600199	**6002 26 9**		287
600205	**6002 30 7**		289
602736	**6002 31 1**		289
600211	**6002 31 5**		289
600217	**6002 32 3**		289
600223	**6002 33 1**		289
600229	**6002 35 8**		289
600235	**6002 36 6**		289
545623	**6002 37 0**		289
545624	**6002 37 2**		289
545625	**6002 37 4**		289
545626	**6002 37 6**		289
545627	**6002 37 8**		289
545628	**6002 38 0**		289
545629	**6002 38 2**		289
545630	**6002 38 4**		289
		/m	
602027	**6002 40 2**		288
602039	**6002 40 4**		288
602051	**6002 40 6**		288
602063	**6002 40 8**		288
602075	**6002 41 0**		288
602087	**6002 41 3**		288
602099	**6002 41 5**		288
602111	**6002 41 7**		288
602123	**6002 43 1**		288
602135	**6002 43 3**		288
602147	**6002 43 5**		288
602159	**6002 43 7**		288
602171	**6002 43 9**		288
602183	**6002 44 1**		288
602195	**6002 44 3**		288
602207	**6002 44 5**		288
514962	**6002 45 1**		429
542262	**6002 45 5**		429
514963	**6002 45 7**		429
514964	**6002 46 0**		429
514967	**6002 46 3**		429
587489	**6002 46 4**		429
514968	**6002 46 6**		429
577158	**6002 46 9**		429
587490	**6002 47 5**		473
587491	**6002 47 6**		473
587492	**6002 47 7**		473
587495	**6002 47 9**		473
587496	**6002 48 1**		473
587497	**6002 48 2**		473
587498	**6002 48 3**		473
587501	**6002 48 5**		473
538015	**6003 68 1**		290
538016	**6003 68 4**		290
538254	**6003 68 5**		290
538019	**6003 68 7**		290
538027	**6003 69 2**		290
538028	**6003 69 5**		290
538255	**6003 69 6**		290
538031	**6003 69 8**		290
		/100 pc.	
587288	**6003 75 0**		298
587289	**6003 75 4**		298
587290	**6003 75 8**		298
		/m	
600295	**6003 81 8**		297
		/pc.	
600301	**6003 85 0**		297
600307	**6003 86 9**		297
604944	**6003 87 1**		432
604956	**6003 87 3**		432
604980	**6003 87 7**		432
604992	**6003 87 9**		432
607988	**6003 88 0**		195
607989	**6003 88 4**		195
607990	**6003 88 8**		195
607991	**6003 89 2**		195
		/m	
568639	**6005 52 0**		299
568640	**6005 52 3**		299
568641	**6005 52 6**		299
568642	**6005 52 9**		299
568643	**6005 53 5**		299
568644	**6005 53 8**		299
568645	**6005 54 1**		299
568646	**6005 54 4**		299
568647	**6005 55 0**		429
568648	**6005 55 3**		429
568649	**6005 55 6**		430
568650	**6005 55 9**		430
577159	**6005 56 5**		474
577160	**6005 56 8**		474
577164	**6005 57 1**		474
577165	**6005 57 4**		474
543864	**6006 39 5**		286
543865	**6006 39 6**		286
543866	**6006 39 7**		286
615085	**6006 45 3**		286
615121	**6006 45 5**		286
615157	**6006 45 6**		286
615193	**6006 45 7**		286
615229	**6006 45 8**		286
		/pc.	
693325	**6006 48 6**		296
693331	**6006 48 7**		296
693337	**6006 48 8**		434
693343	**6006 48 9**		434
635551	**6007 20 1**		353
		/pc.	
600589	**6007 22 8**		353
600595	**6007 23 6**		353
600601	**6007 24 4**		353
600607	**6007 25 2**		353
600613	**6007 26 0**		353
600619	**6007 27 9**		353
600625	**6007 28 7**		353
600631	**6007 29 5**		353
600637	**6007 30 9**		353
600643	**6007 31 7**		353
		/pair	
543944	**6007 49 6**		353
543947	**6007 49 8**		353
		/pc.	
600709	**6008 04 6**		355
600715	**6008 05 4**		355
600721	**6008 06 2**		355
600727	**6008 07 0**		355
600733	**6008 08 9**		355
600739	**6008 09 7**		355
600745	**6008 10 0**		355
600751	**6008 11 9**		355
600757	**6008 12 7**		355
662971	**6008 22 4**		355
635605	**6008 23 2**		355
600763	**6008 24 0**		355
600769	**6008 25 9**		355
600775	**6008 26 7**		355
561276	**6008 26 9**		355
600781	**6008 27 5**		355
561277	**6008 27 7**		355
600787	**6008 28 3**		355
561278	**6008 28 5**		355
600793	**6008 29 1**		355
561279	**6008 29 3**		355
600799	**6008 30 5**		355
600805	**6008 31 3**		355
600811	**6008 32 1**		355
		/m	
614611	**6010 46 6**		351
614617	**6010 47 4**		351
614623	**6010 48 2**		351
614629	**6010 49 0**		351
616885	**6010 50 4**		351
616879	**6010 51 2**		351
616873	**6010 52 0**		351
616867	**6010 53 9**		351
616861	**6010 54 7**		351
616855	**6010 55 5**		351
616849	**6010 56 3**		351
543396	**6010 62 0**		349
543397	**6010 62 2**		349
543398	**6010 62 4**		349
543402	**6010 62 6**		349
543403	**6010 62 8**		349
543404	**6010 63 0**		349
543408	**6010 63 2**		349
543409	**6010 63 4**		349
543410	**6010 63 6**		349
543414	**6010 63 8**		349
635863	**6013 38 4**		354
635869	**6013 39 2**		354
601123	**6013 40 6**		354
601129	**6013 41 4**		354
601135	**6013 42 2**		354
601141	**6013 43 0**		354
601147	**6013 44 9**		354
601153	**6013 45 7**		354
601159	**6013 46 5**		354
601165	**6013 47 3**		354
601171	**6013 48 1**		354
601177	**6013 84 8**		354
601183	**6013 85 6**		354
601189	**6013 86 4**		354
601195	**6013 87 2**		354
601201	**6013 88 0**		354
601207	**6013 89 9**		354
601213	**6013 90 2**		354
		/pc.	
635917	**6015 10 7**		291
601231	**6015 17 4**		302
642169	**6015 22 0**		295
564978	**6015 22 4**		295
592872	**6015 22 8**		476
642157	**6015 23 9**		295
592873	**6015 24 3**		295
592874	**6015 24 5**		476
642151	**6015 24 7**		295
694261	**6015 25 5**		295
694267	**6015 26 1**		476
642139	**6015 26 3**		295
678535	**6015 27 1**		295
696584	**6015 27 6**		295
696590	**6015 27 8**		295
693739	**6015 28 0**		477
585184	**6015 32 2**		159
585186	**6015 32 4**		159
585187	**6015 32 6**		404
585188	**6015 32 8**		456
660853	**6015 33 6**		295
695197	**6015 33 8**		295
695203	**6015 34 0**		433
569658	**6015 35 0**		382
569659	**6015 35 2**		382
660859	**6015 36 0**		161
660865	**6015 37 9**		161
694087	**6015 40 0**		294
694093	**6015 40 2**		294
694099	**6015 40 4**		294
694105	**6015 40 6**		294
694111	**6015 40 8**		294
695209	**6015 41 8**		295
695215	**6015 41 9**		295
695221	**6015 42 0**		295
695227	**6015 42 1**		295
695233	**6015 42 2**		295
664999	**6015 42 5**		295
665005	**6015 43 3**		295
598460	**6015 43 9**		295
598461	**6015 44 0**		295
674611	**6015 50 6**		161
674617	**6015 51 4**		161
674623	**6015 52 2**		161
674629	**6015 53 0**		161
674635	**6015 54 9**		161
523915	**6015 55 2**		161
523916	**6015 55 5**		161
678541	**6015 56 5**		161
678547	**6015 57 3**		161
678553	**6015 58 1**		161
678559	**6015 60 3**		161
678565	**6015 61 1**		161
523920	**6015 61 4**		161
523921	**6015 61 7**		161
693745	**6015 63 0**		413
693751	**6015 63 2**		413
693757	**6015 63 3**		413
693763	**6015 63 4**		413
696152	**6015 64 6**		161
604284	**6015 64 8**		161
696158	**6015 65 4**		161
604296	**6015 65 6**		161
627937	**6015 65 8**		161
604308	**6015 66 0**		161
696164	**6015 66 2**		161
604320	**6015 66 4**		161
696170	**6015 67 0**		161

GTIN	Art. no.	Price	Page
		/pc.	
604332	**6015 67 2**		161
696176	**6015 68 9**		161
604344	**6015 69 1**		161
523922	**6015 69 3**		161
523926	**6015 69 5**		161
523927	**6015 69 7**		161
523928	**6015 69 9**		161
		/m	
601267	**6016 20 0**		435
601273	**6016 23 5**		435
601279	**6016 25 1**		435
589135	**6016 25 3**		435
589136	**6016 25 5**		435
		/pc.	
601285	**6016 27 8**		436
601291	**6016 30 8**		436
601303	**6016 42 1**		293
586301	**6016 44 3**		294
586302	**6016 44 5**		433
601309	**6016 52 9**		436
651811	**6016 54 5**		291
651805	**6016 55 3**		291
651799	**6016 56 1**		291
539012	**6016 58 9**		291
539015	**6016 59 0**		291
652051	**6016 59 6**		291
601315	**6016 63 4**		291
601321	**6016 64 2**		431
612007	**6016 64 8**		475
598069	**6016 66 5**		292
569405	**6016 67 4**		292
569406	**6016 67 6**		292
605257	**6016 68 0**		291
605425	**6016 68 4**		291
605431	**6016 68 8**		431
530411	**6016 69 4**		293
530412	**6016 69 6**		293
630787	**6016 71 5**		293
601327	**6016 72 3**		293
601333	**6016 73 1**		433
612025	**6016 76 4**		475
601339	**6016 82 0**		291
601345	**6016 83 9**		431
726143	**6016 85 5**		291
612043	**6016 85 9**		475
630793	**6017 03 7**		292
601357	**6017 04 5**		431
601363	**6017 06 1**		292
612049	**6017 09 2**		475
629563	**6017 13 4**		439
601369	**6017 32 0**		302
601375	**6017 33 9**		436
601381	**6017 34 7**		302
601387	**6017 35 5**		302
632611	**6017 37 1**		293
		/m	
601393	**6017 42 8**		300
601399	**6017 43 6**		300
601405	**6017 44 4**		300
629569	**6017 45 2**		300
601411	**6017 46 0**		300
		/pc.	
693133	**6017 70 0**		298
584826	**6017 71 0**		296
584827	**6017 71 1**		296
584828	**6017 71 2**		296
584829	**6017 71 3**		296
590346	**6017 71 4**		296
590347	**6017 71 5**		296
601423	**6018 30 0**		190
601429	**6018 37 8**		175
601435	**6018 40 8**		410
644689	**6018 50 5**		172
622915	**6018 51 3**		169
570600	**6018 51 7**		406
561845	**6018 52 0**		458
601441	**6018 96 3**		192
601447	**6019 06 4**		192
601453	**6019 52 8**		192
601459	**6019 56 0**		177
601465	**6019 58 7**		448
601471	**6019 61 7**		350
601477	**6019 66 8**		448
601483	**6019 70 6**		177
637939	**6040 40 3**		280
637945	**6040 43 8**		280
637951	**6040 44 6**		280
599214	**6040 48 0**		243
599215	**6040 48 2**		243
599216	**6040 48 4**		243
599217	**6040 48 6**		243
599218	**6040 48 8**		243
599219	**6040 49 0**		243
599220	**6040 49 2**		243
599221	**6040 50 0**		243
599222	**6040 50 2**		243
599223	**6040 50 4**		243
599224	**6040 50 6**		243
599225	**6040 50 8**		243
599226	**6040 51 0**		243
599227	**6040 51 2**		243
599228	**6040 52 0**		423
599229	**6040 52 2**		423
599230	**6040 52 4**		423
599231	**6040 52 6**		423
599232	**6040 52 8**		423
599233	**6040 53 0**		423
599234	**6040 53 2**		423
599235	**6040 54 0**		468
599236	**6040 54 2**		468
599237	**6040 54 4**		468
599238	**6040 54 6**		468
599239	**6040 54 8**		468
599240	**6040 55 0**		468
599241	**6040 55 2**		468
599242	**6040 58 0**		253
599246	**6040 58 2**		253
599247	**6040 58 4**		253
599249	**6040 58 6**		253
599250	**6040 58 8**		253
599251	**6040 59 0**		253
599252	**6040 59 2**		253
599253	**6040 60 0**		253
599254	**6040 60 2**		253
599255	**6040 60 4**		253
599256	**6040 60 6**		253
599257	**6040 60 8**		253
599258	**6040 61 0**		253
599259	**6040 61 2**		253
599274	**6040 68 0**		263
599275	**6040 68 2**		263
599276	**6040 68 4**		263
599277	**6040 68 6**		263
599278	**6040 68 8**		263
599279	**6040 69 0**		263
599280	**6040 69 2**		263
599281	**6040 70 0**		263
599282	**6040 70 2**		263
599283	**6040 70 4**		263
599284	**6040 70 6**		263
599285	**6040 70 8**		263
599286	**6040 71 0**		263
599287	**6040 71 2**		263
587761	**6041 00 0**		228
588128	**6041 00 2**		228
588131	**6041 00 4**		228
588132	**6041 01 0**		228
588133	**6041 01 2**		228
588134	**6041 01 4**		228
588135	**6041 02 0**		229
588151	**6041 02 2**		229
588152	**6041 02 4**		229
591538	**6041 03 0**		229
591542	**6041 03 2**		229
591571	**6041 03 4**		229
588153	**6041 04 0**		242
588154	**6041 04 2**		242
588155	**6041 04 4**		242
588156	**6041 04 6**		242
588157	**6041 04 8**		242
588158	**6041 05 0**		242
588159	**6041 05 2**		242
588160	**6041 06 0**		242
588161	**6041 06 2**		242
588162	**6041 06 4**		242
588163	**6041 06 6**		242
588164	**6041 06 8**		242
588165	**6041 07 0**		242
588166	**6041 07 2**		242
588167	**6041 08 0**		423
588168	**6041 08 2**		423
588169	**6041 08 4**		423
588170	**6041 08 6**		423
588171	**6041 08 8**		423
588172	**6041 09 0**		423
588173	**6041 09 2**		423
588174	**6041 10 0**		468
588175	**6041 10 2**		468
588176	**6041 10 4**		468
588177	**6041 10 6**		468
588178	**6041 10 8**		468
588179	**6041 11 0**		468
588180	**6041 11 2**		468
588181	**6041 13 0**		242
588182	**6041 13 2**		242
588183	**6041 13 4**		242
588184	**6041 13 6**		242
588185	**6041 13 8**		242
588186	**6041 14 0**		242
588187	**6041 14 2**		242
588188	**6041 15 0**		242
588189	**6041 15 2**		242
588190	**6041 15 4**		242
588191	**6041 15 6**		242
588192	**6041 15 8**		242
588193	**6041 16 0**		242
588194	**6041 16 2**		242
588195	**6041 18 0**		423
587828	**6041 18 2**		423
587832	**6041 18 4**		423
587833	**6041 18 6**		423
587834	**6041 18 8**		423
587838	**6041 19 0**		423
587839	**6041 19 2**		423
587840	**6041 20 0**		468
587844	**6041 20 2**		468
587845	**6041 20 4**		468
587846	**6041 20 6**		468
587850	**6041 20 8**		468
587851	**6041 21 0**		468
587852	**6041 21 2**		468
587856	**6041 23 0**		243
587857	**6041 23 2**		243
587858	**6041 23 4**		243
587862	**6041 23 6**		243
587863	**6041 23 8**		243
587864	**6041 24 0**		243
587868	**6041 24 2**		243
587869	**6041 25 0**		243
587870	**6041 25 2**		243
587874	**6041 25 4**		243
587875	**6041 25 7**		243
587876	**6041 25 9**		243
587877	**6041 26 1**		243
587878	**6041 26 3**		243
587879	**6041 27 0**		424
587880	**6041 27 1**		424
587881	**6041 27 5**		424
587882	**6041 27 7**		424
587883	**6041 27 9**		424
587884	**6041 28 2**		424
587885	**6041 28 4**		424
587886	**6041 29 0**		468
587887	**6041 29 2**		468
587888	**6041 29 4**		468
587892	**6041 29 6**		468
587893	**6041 29 8**		468
587894	**6041 30 0**		468
587898	**6041 30 3**		468
587899	**6041 32 0**		244
587900	**6041 32 2**		244
587904	**6041 32 4**		244
587905	**6041 32 6**		244
587906	**6041 32 8**		244
587910	**6041 33 0**		244
587911	**6041 33 2**		244
587912	**6041 34 0**		244
587916	**6041 34 2**		244
587917	**6041 34 4**		244
587918	**6041 34 8**		244
587922	**6041 35 0**		244
587923	**6041 35 2**		244
587924	**6041 35 4**		244
587928	**6041 36 0**		424
587929	**6041 36 3**		424
587930	**6041 36 5**		424
587934	**6041 36 7**		424
587935	**6041 36 9**		424
587936	**6041 37 1**		424
587940	**6041 37 3**		424
587941	**6041 38 0**		469
587942	**6041 38 2**		469
587946	**6041 38 4**		469
587947	**6041 38 6**		469
587948	**6041 38 8**		469
587952	**6041 39 0**		469
587953	**6041 39 2**		469
587954	**6041 41 0**		252
589574	**6041 41 1**		252
587958	**6041 41 2**		252
587959	**6041 41 4**		252
587960	**6041 41 6**		252
587963	**6041 41 8**		252
587964	**6041 42 0**		252
587965	**6041 43 0**		252
589577	**6041 43 1**		252
587966	**6041 43 2**		252
587970	**6041 43 4**		252
587971	**6041 43 6**		252
587972	**6041 43 8**		252
587975	**6041 44 0**		252
587988	**6041 49 0**		252
589580	**6041 49 1**		252
587989	**6041 49 2**		252
587990	**6041 49 4**		252
587994	**6041 49 6**		252
587995	**6041 49 8**		252
587996	**6041 50 0**		252
587997	**6041 51 0**		252
589583	**6041 51 1**		252
587998	**6041 51 2**		252
587999	**6041 51 4**		252
588000	**6041 51 6**		252
588001	**6041 51 8**		252
588002	**6041 52 0**		252
588085	**6041 57 0**		253
589586	**6041 57 1**		253
588086	**6041 57 2**		253
588087	**6041 57 4**		253
588088	**6041 57 6**		253
588089	**6041 57 8**		253
588090	**6041 58 0**		253
588091	**6041 59 0**		253
589589	**6041 59 1**		253
588092	**6041 59 2**		253
588096	**6041 59 4**		253
588097	**6041 59 6**		253
588098	**6041 59 8**		253
588102	**6041 60 0**		253
588127	**6041 66 0**		253
589592	**6041 66 1**		253
588136	**6041 66 2**		253
588137	**6041 66 4**		253

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/pc.	
588138	**6041 66 6**		253
588139	**6041 66 8**		253
588140	**6041 67 0**		253
588141	**6041 68 0**		253
589593	**6041 68 1**		253
588142	**6041 68 2**		253
588143	**6041 68 4**		253
588144	**6041 68 6**		253
588145	**6041 68 8**		253
588146	**6041 69 0**		253
588014	**6041 75 0**		262
589596	**6041 75 1**		262
588018	**6041 75 2**		262
588019	**6041 75 4**		262
588020	**6041 75 6**		262
588024	**6041 75 8**		262
588025	**6041 76 0**		262
588026	**6041 78 0**		262
589597	**6041 78 1**		262
588029	**6041 78 2**		262
588030	**6041 78 4**		262
588031	**6041 78 6**		262
588032	**6041 78 8**		262
588035	**6041 79 0**		262
588054	**6041 84 0**		262
589602	**6041 84 1**		262
588055	**6041 84 2**		262
588056	**6041 84 4**		262
588057	**6041 84 6**		262
588058	**6041 84 8**		262
588059	**6041 85 0**		262
588060	**6041 86 0**		262
589603	**6041 86 1**		262
588073	**6041 86 2**		262
588074	**6041 86 4**		262
588075	**6041 86 6**		262
588076	**6041 86 8**		262
588077	**6041 87 0**		262
588203	**6041 92 0**		263
589606	**6041 92 1**		263
588204	**6041 92 2**		263
588205	**6041 92 4**		263
588206	**6041 92 6**		263
588207	**6041 92 8**		263
588208	**6041 93 0**		263
588209	**6041 94 0**		263
589607	**6041 94 1**		263
588210	**6041 94 2**		263
588211	**6041 94 4**		263
588212	**6041 94 6**		263
588215	**6041 94 8**		263
588216	**6041 95 0**		263
588233	**6042 01 0**		263
589610	**6042 01 1**		263
588234	**6042 01 2**		263
588235	**6042 01 4**		263
588236	**6042 01 8**		263
588240	**6042 02 0**		263
588241	**6042 02 2**		263
588242	**6042 03 0**		263
589613	**6042 03 2**		263
588246	**6042 03 4**		263
588247	**6042 03 6**		263
588248	**6042 03 8**		263
588252	**6042 04 0**		263
588253	**6042 04 2**		263
598676	**6042 74 0**		242
598677	**6042 74 4**		242
598678	**6042 74 6**		242
598679	**6042 74 8**		242
598680	**6042 75 0**		242
598681	**6042 75 2**		242
598682	**6042 76 0**		242
598683	**6042 76 4**		242
598684	**6042 76 6**		242
598685	**6042 76 8**	/pc.	242
598686	**6042 77 0**		242
598687	**6042 77 2**		242
598688	**6042 78 0**		243
598689	**6042 78 4**		243
598690	**6042 78 6**		243
598691	**6042 78 8**		243
598692	**6042 79 0**		243
598693	**6042 79 2**		243
598694	**6042 80 0**		244
598695	**6042 80 4**		244
598696	**6042 80 6**		244
598697	**6042 80 8**		244
598698	**6042 81 0**		244
598699	**6042 81 2**		244
598700	**6042 82 0**		244
598701	**6042 82 4**		244
598702	**6042 82 6**		244
598703	**6042 82 8**		244
598704	**6042 83 0**		244
598705	**6042 83 2**		244
699038	**6042 91 0**		241
605011	**6043 03 8**		227
605017	**6043 06 2**		241
605047	**6043 21 6**		279
605053	**6043 22 4**		279
605059	**6043 23 2**		279
605365	**6045 05 7**	/m	384
605371	**6045 07 3**		384
605377	**6045 10 3**		384
605383	**6045 13 8**		384
605389	**6045 15 4**		384
605395	**6045 20 0**		384
605401	**6045 25 1**		384
605407	**6045 30 8**		384
638197	**6045 70 7**		384
638203	**6045 71 5**		384
638209	**6045 72 3**		384
638221	**6045 75 8**		384
638227	**6045 76 6**		384
638233	**6045 77 4**		384
570666	**6045 83 0**		384
570667	**6045 83 2**		384
570668	**6045 83 4**		384
570669	**6045 83 6**		384
570670	**6045 83 8**		384
570671	**6045 84 0**		384
570672	**6045 84 2**		384
570673	**6045 84 4**		384
570674	**6045 85 0**		385
570675	**6045 85 2**		385
570676	**6045 85 4**		385
570677	**6045 85 6**		385
570678	**6045 85 8**		385
570679	**6045 86 0**		385
570680	**6045 86 2**		385
570683	**6045 86 4**		385
656197	**6045 95 2**		384
656203	**6045 96 0**		384
656209	**6045 97 9**		384
656221	**6045 99 5**		384
656227	**6046 00 2**		384
656239	**6046 02 9**		384
605593	**6047 40 8**		226
539084	**6047 41 7**		226
539085	**6047 43 3**		226
539086	**6047 46 0**		226
539087	**6047 61 1**		231
590389	**6047 61 2**		231
570608	**6047 61 3**		418
570611	**6047 61 4**		464
539119	**6047 63 0**		231
590390	**6047 63 1**		231
570612	**6047 63 2**		418
570613	**6047 63 3**	/m	464
539120	**6047 63 8**		231
590393	**6047 63 9**		231
570614	**6047 64 0**		418
570617	**6047 64 1**		464
539121	**6047 65 4**		231
590394	**6047 65 5**		231
570618	**6047 65 6**		418
570619	**6047 65 7**		464
539122	**6047 68 9**		231
590395	**6047 69 0**		231
570620	**6047 69 1**		418
570623	**6047 69 2**		464
539123	**6047 71 9**		231
590396	**6047 72 0**		231
570624	**6047 72 1**		418
570625	**6047 72 2**		464
539124	**6047 73 5**		231
590399	**6047 73 6**		231
570626	**6047 73 7**		418
570629	**6047 73 8**		464
539125	**6048 25 1**		232
539126	**6048 25 5**		232
539127	**6048 25 7**		232
539128	**6048 25 9**		232
539129	**6048 26 1**		232
539130	**6048 26 3**		232
605755	**6050 36 0**		377
693613	**6050 37 0**	/100 pc.	377
693619	**6050 37 5**		377
592453	**6051 23 2**	/m	324
592454	**6051 23 3**		324
592458	**6051 23 4**		324
592459	**6051 23 5**		324
592460	**6051 23 6**		324
638557	**6052 02 9**		268
605785	**6052 05 3**		268
602965	**6052 05 6**		267
605797	**6052 09 6**		268
602971	**6052 10 3**		267
605809	**6052 15 0**		268
603001	**6052 15 3**		267
605815	**6052 20 7**		268
603007	**6052 21 0**		267
605827	**6052 30 4**		268
603139	**6052 30 7**		267
605839	**6052 40 1**		268
603151	**6052 40 5**		267
605851	**6052 50 9**		268
603163	**6052 51 2**		267
605863	**6052 56 8**		268
603169	**6052 57 1**		267
605875	**6052 60 6**		268
603175	**6052 60 9**		267
665749	**6052 64 0**		267
665755	**6052 64 3**		267
665761	**6052 64 7**		267
665767	**6052 65 0**		267
633667	**6052 65 6**		267
633673	**6052 66 2**		267
633679	**6052 66 8**		267
633685	**6052 67 1**		267
633691	**6052 67 4**		267
603871	**6052 70 0**		268
603877	**6052 70 3**		268
603883	**6052 70 6**		268
603889	**6052 70 9**	/m	268
603895	**6052 71 2**		268
603901	**6052 71 5**		268
603907	**6052 71 8**		268
603913	**6052 72 1**		268
603919	**6052 72 4**		268
507878	**6052 75 0**		281
507881	**6052 75 2**		281
507882	**6052 75 5**		281
507883	**6052 75 7**		281
507884	**6052 75 9**		281
507896	**6052 76 1**		281
507899	**6052 76 3**		281
573262	**6052 78 5**		281
573263	**6052 78 7**		281
586261	**6052 78 9**		281
573264	**6052 79 1**		281
573265	**6052 79 5**		281
603181	**6052 82 1**		425
603193	**6052 82 4**		425
603199	**6052 82 8**		425
603205	**6052 83 1**		425
603217	**6052 83 4**		425
603223	**6052 83 7**		425
603229	**6052 84 1**		425
603235	**6052 84 4**		425
605887	**6052 87 8**		426
605893	**6052 89 4**		426
605899	**6052 90 8**		426
605905	**6052 93 2**		426
605911	**6052 95 9**		426
605917	**6052 97 5**		426
567567	**6052 98 0**		470
586616	**6052 98 1**		470
695581	**6052 98 3**		470
587088	**6052 98 4**		470
587089	**6052 98 5**		470
586619	**6052 98 6**		470
502112	**6052 99 1**		470
502115	**6052 99 3**		470
502116	**6052 99 4**		470
502121	**6052 99 5**		470
502122	**6052 99 6**		470
502124	**6052 99 8**		470
694387	**6055 81 0**		379
694393	**6055 81 2**		379
516332	**6055 82 0**		379
638863	**6055 88 5**		232
638929	**6056 01 6**		419
638935	**6056 02 4**		419
638941	**6056 04 0**		419
638947	**6056 05 9**		419
638953	**6056 07 5**		419
638959	**6056 08 3**		419
606019	**6056 10 5**		239
654265	**6056 14 8**		240
638971	**6056 15 6**		239
606025	**6056 20 2**		239
611467	**6056 22 9**		240
606031	**6056 29 6**		239
638983	**6056 32 6**		240
606037	**6056 40 7**		239
662521	**6056 42 3**		240
606043	**6056 50 4**		239
662527	**6056 52 0**		240
606049	**6056 60 1**		239
638989	**6056 62 8**		240
638995	**6056 63 6**		239
639001	**6056 64 4**		239
639007	**6056 65 2**		239
639013	**6056 67 9**		239
606055	**6056 69 5**		239
606061	**6056 71 7**		239
606067	**6056 73 3**		239
612055	**6056 73 5**		420
612061	**6056 73 7**		420
612067	**6056 73 9**		420
612073	**6056 74 2**		420
612079	**6056 74 4**		420
612085	**6056 74 6**		420
605004	**6056 75 0**		465
604488	**6056 75 5**		465

GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page
		/m				/m				/m				/m	
605016	**6056 75 7**		465	583164	**6059 31 2**		249	582991	**6059 70 5**		237	506040	**6063 23 8**		276
605028	**6056 75 9**		465	583165	**6059 31 4**		249	582992	**6059 70 7**		237	606385	**6063 24 1**		276
605040	**6056 76 1**		465	583166	**6059 31 6**		249	583063	**6059 70 9**		237	606391	**6063 27 6**		276
605052	**6056 76 3**		465	583167	**6059 31 8**		249	583064	**6059 71 1**		237				
633367	**6056 77 6**		240	583168	**6059 32 0**		249	583065	**6059 71 3**		237	571086	**6063 39 1**		260
633373	**6056 79 2**		240					583066	**6059 71 5**		237	571087	**6063 39 3**		260
633379	**6056 80 6**		240	583169	**6059 32 5**		249	583067	**6059 71 7**		237	586262	**6063 39 4**		260
633349	**6056 97 0**		240	583170	**6059 32 7**		249					571088	**6063 39 5**		260
				583171	**6059 32 9**		249	583344	**6059 76 2**		250	571089	**6063 39 7**		260
696302	**6056 97 8**		240	583172	**6059 33 1**		249	583345	**6059 76 4**		250				
				583173	**6059 33 3**		249	583346	**6059 76 6**		250	639523	**6063 40 3**		277
633355	**6056 98 9**		240	583174	**6059 33 5**		249	583350	**6059 76 8**		250	639529	**6063 43 8**		277
				583175	**6059 33 7**		249	583351	**6059 77 0**		250	639535	**6063 45 4**		277
591992	**6056 99 6**		240					583352	**6059 77 2**		250	639541	**6063 47 0**		277
				583200	**6059 38 2**		258	583355	**6059 77 4**		250	639547	**6063 49 7**		277
633361	**6056 99 7**		240	583201	**6059 38 4**		258					503870	**6063 50 0**		277
				583202	**6059 38 6**		258	583356	**6059 77 9**		250	606397	**6063 77 2**		419
591995	**6056 99 8**		240	583206	**6059 38 8**		258	583357	**6059 78 1**		250	606403	**6063 78 0**		419
				583207	**6059 39 0**		258	583358	**6059 78 3**		250	606409	**6063 79 9**		419
				583208	**6059 39 2**		258	583362	**6059 78 5**		250	606415	**6063 84 5**		419
582955	**6059 00 0**		234	583211	**6059 39 4**		258	583363	**6059 78 7**		250	606421	**6063 86 1**		419
582993	**6059 00 2**		234					583364	**6059 78 9**		250	606427	**6063 88 8**		419
582994	**6059 00 4**		234	583212	**6059 39 9**		258	583367	**6059 79 1**		250	506041	**6063 95 0**		276
582995	**6059 00 6**		234	583213	**6059 40 1**		258								
582996	**6059 00 8**		234	583214	**6059 40 3**		258	583392	**6059 83 6**		259	506983	**6064 30 7**		276
582997	**6059 01 0**		234	583218	**6059 40 5**		258	583393	**6059 83 8**		259	605088	**6064 35 3**		276
582998	**6059 01 2**		234	583219	**6059 40 7**		258	583394	**6059 84 0**		259	506984	**6064 40 9**		276
				583220	**6059 40 9**		258	583398	**6059 84 2**		259	506987	**6064 43 5**		276
583002	**6059 01 8**		234	583223	**6059 41 1**		258	583399	**6059 84 4**		259	630895	**6064 51 5**		276
583003	**6059 02 0**		234					583400	**6059 84 6**		259	639727	**6064 52 3**		276
583004	**6059 02 2**		234	583248	**6059 45 6**		235	583403	**6059 84 8**		259	639775	**6064 79 5**		277
583008	**6059 02 5**		234	583249	**6059 45 8**		235					639787	**6064 83 3**		277
583009	**6059 02 7**		234	583250	**6059 46 0**		235	583404	**6059 85 3**		259	639799	**6064 88 4**		277
583010	**6059 02 9**		234	583254	**6059 46 2**		235	583405	**6059 85 5**		259	506969	**6064 92 2**		277
583014	**6059 03 2**		234	583255	**6059 46 4**		235	583406	**6059 85 7**		259	639823	**6064 96 5**		277
				583256	**6059 46 6**		235	583410	**6059 85 9**		259	610243	**6064 97 3**		277
583034	**6059 08 0**		247	583259	**6059 46 8**		235	583411	**6059 86 1**		259				
583035	**6059 08 2**		247					583412	**6059 86 3**		259			/pc.	
583036	**6059 08 4**		247	583260	**6059 47 3**		235	583415	**6059 86 5**		259	606433	**6065 00 7**		268
583037	**6059 08 6**		247	583261	**6059 47 5**		235					606439	**6065 10 4**		397
583038	**6059 08 8**		247	583262	**6059 47 7**		235	583440	**6059 91 0**		238	606445	**6065 11 2**		397
583039	**6059 09 0**		247	583266	**6059 47 9**		235	583441	**6059 91 2**		238	606451	**6065 14 7**		268
583040	**6059 09 2**		247	583267	**6059 48 1**		235	583442	**6059 91 4**		238	606463	**6065 30 9**		452
				583268	**6059 48 3**		235	583443	**6059 91 6**		238	606469	**6065 31 7**		452
583041	**6059 09 7**		247	583271	**6059 48 5**		235	583444	**6059 91 8**		238	651793	**6065 50 3**		268
583042	**6059 09 9**		247					583445	**6059 92 0**		238	651787	**6065 51 1**		268
583043	**6059 10 1**		247	583296	**6059 53 0**		248	583446	**6059 92 2**		238	651781	**6065 53 8**		268
583044	**6059 10 3**		247	583297	**6059 53 2**		248					651775	**6065 54 6**		268
583045	**6059 10 5**		247	583298	**6059 53 4**		248	583447	**6059 92 7**		238	651721	**6065 55 4**		268
583046	**6059 10 7**		247	583302	**6059 53 6**		248	583448	**6059 92 9**		238			/100 pc.	
583047	**6059 10 9**		247	583303	**6059 53 8**		248	583452	**6059 93 1**		238	644137	**6065 60 0**		268
				583304	**6059 54 0**		248	583453	**6059 93 3**		238				
583062	**6059 15 6**		256	583307	**6059 54 2**		248	583454	**6059 93 5**		238			/pc.	
583092	**6059 15 8**		256					583458	**6059 93 7**		238	605379	**6065 71 0**		241
583093	**6059 16 0**		256	583308	**6059 54 9**		248	583459	**6059 93 9**		238	605380	**6065 71 2**		241
583094	**6059 16 2**		256	583309	**6059 55 1**		248					605385	**6065 71 4**		241
583098	**6059 16 4**		256	583310	**6059 55 3**		248	569444	**6062 02 5**		421	605386	**6065 71 6**		241
583099	**6059 16 6**		256	583314	**6059 55 5**		248	569447	**6062 02 8**		466	605387	**6065 71 8**		241
583100	**6059 16 8**		256	583315	**6059 55 7**		248	569448	**6062 03 3**		238	605391	**6065 72 0**		241
				583316	**6059 55 9**		248	569449	**6062 05 0**		227	605392	**6065 72 2**		241
583103	**6059 17 3**		256	583319	**6059 56 1**		248	569450	**6062 05 2**		430	605397	**6065 73 0**		423
583104	**6059 17 5**		256					569453	**6062 05 4**		474	605398	**6065 73 2**		423
583105	**6059 17 7**		256	582956	**6059 61 4**		257					605399	**6065 73 4**		423
583106	**6059 17 9**		256	582957	**6059 61 6**		257	569454	**6062 06 8**		232	605403	**6065 73 6**		423
583110	**6059 18 1**		256	582958	**6059 61 8**		257					605404	**6065 73 8**		423
583111	**6059 18 3**		256	582959	**6059 62 0**		257	569455	**6062 08 4**		420	605409	**6065 74 0**		423
583112	**6059 18 5**		256	582960	**6059 62 2**		257	569456	**6062 08 6**		465	605410	**6065 74 2**		423
				582961	**6059 62 4**		257	569457	**6062 11 4**		250	605411	**6065 75 0**		468
583134	**6059 23 0**		236	582962	**6059 62 6**		257	569458	**6062 12 2**		260	605415	**6065 75 2**		468
583135	**6059 23 2**		236					569459	**6062 13 2**		332	605416	**6065 75 4**		468
583136	**6059 23 4**		236	582963	**6059 63 1**		257	569460	**6062 17 3**		430	605421	**6065 75 6**		468
583137	**6059 23 7**		236	582964	**6059 63 3**		257	577843	**6062 25 5**		441	605422	**6065 75 8**		468
583138	**6059 23 9**		236	582965	**6059 63 5**		257			/100 pc.		605423	**6065 76 0**		468
583139	**6059 24 1**		236	582966	**6059 63 7**		257	569461	**6062 28 0**		227	605427	**6065 76 2**		468
583140	**6059 24 3**		236	582967	**6059 63 9**		257	569462	**6062 28 2**		284	605428	**6065 81 0**		252
				582968	**6059 64 1**		257	569465	**6062 28 4**		309	605433	**6065 81 2**		252
583141	**6059 24 8**		236	582969	**6059 64 3**		257			/m		605434	**6065 81 4**		252
583142	**6059 25 0**		236					569466	**6062 31 4**		284	605435	**6065 81 6**		252
583143	**6059 25 2**		236	582984	**6059 68 8**		237	569467	**6062 32 1**		238	605439	**6065 81 8**		252
583144	**6059 25 4**		236	582985	**6059 69 0**		237	569468	**6062 32 7**		232	605440	**6065 82 0**		252
583145	**6059 25 6**		236	582986	**6059 69 2**		237	569469	**6062 33 1**		250	605446	**6065 82 2**		252
583146	**6059 25 8**		236	582987	**6059 69 4**		237	569470	**6062 33 5**		260	605482	**6065 91 0**		262
583147	**6059 26 0**		236	582988	**6059 69 6**		237	569471	**6062 33 8**		332	605483	**6065 91 2**		262
				582989	**6059 69 8**		237					605487	**6065 91 4**		262
583162	**6059 30 8**		249	582990	**6059 70 0**		237	506036	**6063 23 4**		276	605488	**6065 91 6**		262
583163	**6059 31 0**		249					506039	**6063 23 6**		276	605493	**6065 91 8**		262

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/pc.	
605494	**6065 92 0**		262
605495	**6065 92 2**		262
606475	**6066 04 6**		399
606481	**6066 05 4**		453
606493	**6066 24 0**		385
570684	**6066 24 2**		385
		/100 pc.	
693589	**6066 50 5**		374
583487	**6066 51 0**		374
		/pc.	
606499	**6066 55 0**		373
606505	**6066 56 9**		451
586620	**6066 57 1**		483
504962	**6066 61 5**		373
604608	**6066 62 3**		373
586386	**6066 62 9**		451
581108	**6066 68 8**		396
581111	**6066 69 6**		396
606511	**6066 70 4**		373
606517	**6066 71 2**		239
606523	**6066 93 3**		453
608443	**6066 94 1**		399
606535	**6067 08 5**		227
606541	**6067 09 3**		240
606547	**6067 10 7**		228
606553	**6067 11 5**		240
606559	**6067 12 3**		251
606565	**6067 13 1**		261
606589	**6067 60 3**		240
606595	**6067 61 1**		240
606601	**6067 65 4**		422
606607	**6067 66 2**		422
634315	**6067 66 4**		467
695545	**6067 67 5**		467
606613	**6067 81 6**		251
606619	**6067 91 3**		261
606625	**6067 95 6**		228
569472	**6067 97 0**		227
606631	**6067 97 2**		241
606637	**6067 98 0**		251
606643	**6067 99 9**		261
606649	**6068 02 2**		422
502148	**6068 05 4**		467
689707	**6068 15 0**		379
507900	**6068 77 1**		279
507901	**6068 77 3**		279
507902	**6068 77 5**		279
507905	**6068 77 7**		279
507906	**6068 77 9**		279
507907	**6068 78 1**		279
507908	**6068 78 9**		279
507911	**6068 79 1**		279
507912	**6068 79 3**		279
507913	**6068 79 5**		279
507914	**6068 79 7**		279
507917	**6068 79 9**		279
599549	**6068 80 0**		279
588944	**6068 90 0**		227
588948	**6068 90 2**		227
588949	**6068 90 4**		227
588950	**6068 91 4**		240
588951	**6068 91 6**		240
588952	**6068 91 8**		240
588953	**6068 92 0**		240
588954	**6068 92 2**		240
588955	**6068 92 4**		240
588956	**6068 92 6**		240
589049	**6068 93 6**		240
589050	**6068 93 8**		240
589051	**6068 94 0**		240
589052	**6068 94 2**		240
589056	**6068 94 4**		240
589057	**6068 94 6**		240
589058	**6068 94 8**		240
		/pc.	
588957	**6068 95 8**		422
588958	**6068 96 0**		422
588959	**6068 96 2**		422
588960	**6068 96 4**		422
588961	**6068 96 6**		422
588962	**6068 96 8**		422
588963	**6068 97 0**		422
588964	**6068 98 0**		467
588965	**6068 98 2**		467
588966	**6068 98 4**		467
588967	**6068 98 6**		467
588968	**6068 98 8**		467
588971	**6068 99 0**		467
588972	**6068 99 2**		467
588973	**6069 00 2**		251
588974	**6069 00 4**		251
588979	**6069 00 6**		251
588980	**6069 00 8**		251
588981	**6069 01 0**		251
588982	**6069 01 2**		251
588983	**6069 01 4**		251
588984	**6069 02 4**		251
588985	**6069 02 6**		251
588986	**6069 02 8**		251
588990	**6069 03 0**		251
588991	**6069 03 2**		251
588992	**6069 03 4**		251
588996	**6069 03 6**		251
589015	**6069 09 0**		261
589016	**6069 09 2**		261
589019	**6069 09 4**		261
589020	**6069 09 6**		261
589021	**6069 09 8**		261
589022	**6069 10 0**		261
589023	**6069 10 2**		261
589024	**6069 11 2**		261
589025	**6069 11 4**		261
589026	**6069 11 6**		261
589027	**6069 11 8**		261
589028	**6069 12 0**		261
589029	**6069 12 2**		261
589030	**6069 12 4**		261
606775	**6069 32 0**		251
606781	**6069 33 9**		261
633703	**6069 41 0**		241
584856	**6069 60 0**		371
584857	**6069 60 7**		371
584858	**6069 61 4**		371
584859	**6069 64 5**		372
584860	**6069 65 2**		372
584861	**6069 65 9**		372
584862	**6069 66 6**		372
584863	**6069 67 3**		372
584864	**6069 68 0**		372
584865	**6069 71 1**		372
584866	**6069 71 8**		372
584867	**6069 72 5**		372
584868	**6069 73 2**		372
584869	**6069 73 9**		372
584870	**6069 74 6**		372
584881	**6069 78 4**		368
589229	**6069 78 7**		369
589230	**6069 78 9**		369
589231	**6069 79 3**		369
589232	**6069 79 5**		369
589235	**6069 79 8**		370
584882	**6069 81 5**		368
585840	**6069 83 0**		368
589236	**6069 84 0**		369
589237	**6069 84 2**		369
589238	**6069 84 4**		369
589239	**6069 84 6**		369
589240	**6069 84 8**		369
589241	**6069 85 0**		369
589242	**6069 85 2**		369
589243	**6069 85 4**		369
585834	**6069 86 0**		371
585835	**6069 86 2**		371
585836	**6069 86 4**		371
		/pc.	
585837	**6069 88 0**		371
585838	**6069 88 2**		371
585839	**6069 88 4**		371
589772	**6069 89 5**		368
589775	**6069 89 7**		368
		/m	
606823	**6070 24 8**		399
606829	**6070 34 5**		399
606835	**6070 44 2**		399
606841	**6070 77 9**		452
606847	**6070 78 7**		452
606853	**6070 79 5**		453
		/100 m	
629557	**6072 89 5**		221
629539	**6072 90 9**		221
		/pc.	
545345	**6074 90 1**		374
545346	**6074 91 2**		374
545347	**6074 92 1**		375
545348	**6074 95 2**		374
545351	**6074 96 1**		374
545352	**6074 97 2**		375
		/m	
693595	**6075 00 0**		373
693601	**6075 00 5**		373
524713	**6075 02 4**		373
606895	**6075 09 6**		394
606901	**6075 14 2**		394
606907	**6075 15 0**		450
586621	**6075 15 2**		482
606913	**6075 23 1**		394
606919	**6075 25 8**		394
606925	**6075 30 4**		450
586622	**6075 30 6**		482
581112	**6075 32 0**		394
581113	**6075 32 5**		394
581114	**6075 33 0**		450
586625	**6075 33 2**		482
581118	**6075 34 5**		395
581119	**6075 35 0**		395
581120	**6075 35 5**		451
586626	**6075 35 7**		482
581124	**6075 37 0**		395
581125	**6075 37 5**		395
581126	**6075 38 0**		451
586627	**6075 38 2**		482
606931	**6076 14 9**		394
606937	**6076 24 6**		394
606943	**6080 13 8**		396
640591	**6080 15 4**		397
608413	**6080 15 8**		396
606949	**6080 19 7**		452
606955	**6080 22 7**		396
640609	**6080 23 5**		397
608419	**6080 23 9**		396
606961	**6080 29 4**		452
581130	**6080 86 0**		396
581131	**6080 86 5**		397
581132	**6080 87 0**		452
581135	**6080 88 5**		396
581136	**6080 89 0**		397
581137	**6080 89 5**		452
581138	**6080 91 0**		396
581142	**6080 91 5**		397
581143	**6080 92 0**		452
607045	**6085 60 1**		421
607051	**6085 62 8**		421
607057	**6085 63 6**		421
607063	**6085 64 4**		421
607069	**6085 65 2**		421
607075	**6085 66 0**		421
618193	**6085 66 8**		466
634321	**6085 67 2**		466
695551	**6085 67 3**		466
502099	**6085 67 5**		466
502100	**6085 67 7**		466
		/m	
502103	**6085 67 9**		466
		/pc.	
634663	**6087 96 5**		239
629917	**6091 16 4**		328
629923	**6091 18 0**		328
690181	**6091 22 9**		440
540307	**6091 23 4**		480
629929	**6091 31 8**		328
629935	**6091 33 4**		328
689701	**6091 33 8**		441
540308	**6091 34 3**		480
630961	**6091 37 7**		328
630967	**6091 39 3**		328
540311	**6091 39 7**		480
		/m	
635143	**6098 11 1**		328
635149	**6098 11 5**		328
635155	**6098 11 9**		328
635161	**6098 12 3**		328
635167	**6098 12 7**		328
635173	**6098 14 1**		328
637003	**6098 14 5**		328
603427	**6098 14 9**		328
603403	**6098 15 3**		328
603397	**6098 15 7**		328
568350	**6098 16 1**		440
568351	**6098 16 5**		440
568352	**6098 16 9**		440
568356	**6098 17 3**		440
568357	**6098 17 7**		440
		/pc.	
603367	**6098 30 4**		329
635191	**6098 30 8**		329
635197	**6098 31 2**		329
635203	**6098 31 6**		329
635209	**6098 32 0**		329
635215	**6098 34 4**		329
635221	**6098 34 8**		329
662473	**6098 35 2**		329
635227	**6098 35 6**		329
635233	**6098 36 0**		329
635239	**6098 40 5**		329
635245	**6098 40 9**		329
635251	**6098 41 3**		329
635257	**6098 41 7**		329
600097	**6098 42 1**		329
600103	**6098 44 5**		329
600109	**6098 44 9**		329
600115	**6098 45 3**		329
600121	**6098 45 7**		329
600127	**6098 46 1**		329
524251	**6098 47 5**		329
524252	**6098 47 9**		329
524253	**6098 48 3**		442
		/m	
633481	**6098 50 1**		331
681205	**6098 50 5**		331
680893	**6098 50 9**		331
680839	**6098 51 3**		331
680833	**6098 51 7**		331
681073	**6098 55 0**		331
676639	**6098 55 4**		331
676645	**6098 55 8**		331
665605	**6098 56 2**		331
665629	**6098 56 6**		331
568358	**6098 57 1**		442
568359	**6098 57 3**		442
568360	**6098 57 5**		442
568361	**6098 57 7**		442
568362	**6098 57 9**		442
		/pc.	
633523	**6098 70 3**		332
633529	**6098 70 7**		332
633535	**6098 71 1**		332
633541	**6098 71 5**		332
633547	**6098 71 9**		332
633553	**6098 73 0**		332
665641	**6098 73 4**		332
665647	**6098 73 8**		332
665653	**6098 74 2**		332
665659	**6098 74 6**		332
665665	**6098 80 0**		333
665671	**6098 80 4**		333

GTIN	Art. no.	Price	Page
		/pc.	
633559	**6098 80 8**		333
633565	**6098 81 2**		333
633571	**6098 81 6**		333
633577	**6098 82 7**		333
633583	**6098 83 1**		333
633589	**6098 83 5**		333
665677	**6098 83 9**		333
665701	**6098 84 3**		333
524254	**6098 86 0**		333
524255	**6098 86 4**		333
569634	**6098 86 8**		443
		/m	
615931	**6101 20 0**		477
651403	**6101 20 8**		477
502211	**6101 21 6**		477
502212	**6101 22 3**		477
652495	**6101 23 2**		477
642073	**6103 23 5**		324
642085	**6103 25 1**		324
642097	**6103 28 6**		324
642109	**6103 31 6**		324
642121	**6103 33 2**		324
503735	**6103 61 4**		444
503736	**6103 61 8**		444
503737	**6103 62 2**		444
503738	**6103 62 6**		444
503741	**6103 63 0**		444
		/pc.	
512234	**6108 10 2**		376
512239	**6108 10 4**		376
512250	**6108 10 9**		376
512258	**6108 11 4**		376
512311	**6108 15 2**		376
512316	**6108 15 4**		376
512324	**6108 15 9**		376
512335	**6108 16 4**		376
		/m	
506348	**6200 50 8**		306
506351	**6200 51 1**		306
506352	**6200 51 4**		306
506353	**6200 51 7**		306
506354	**6200 52 0**		306
506357	**6200 54 0**		308
506358	**6200 54 3**		308
506359	**6200 54 6**		308
506360	**6200 54 9**		308
506363	**6200 55 2**		308
506364	**6200 58 3**		306
506365	**6200 58 6**		306
506366	**6200 58 9**		306
506369	**6200 59 2**		306
506370	**6200 59 5**		306
506371	**6200 60 5**		306
506372	**6200 60 8**		306
506375	**6200 61 1**		306
506376	**6200 61 4**		306
506377	**6200 61 7**		306
506378	**6200 62 3**		308
506382	**6200 62 6**		308
506383	**6200 62 9**		308
506384	**6200 63 2**		308
506387	**6200 63 5**		308
506388	**6200 64 6**		308
506389	**6200 64 9**		308
506390	**6200 65 2**		308
506393	**6200 65 5**		308
506394	**6200 65 8**		308
523668	**6200 68 0**		307
523681	**6200 68 2**		307
523682	**6200 68 4**		307
523683	**6200 68 6**		307
523684	**6200 68 8**		307
523685	**6200 69 1**		307
523686	**6200 69 3**		307
523687	**6200 69 5**		307
523688	**6200 69 7**		307
523689	**6200 69 9**		307

GTIN	Art. no.	Price	Page
		/pc.	
506519	**6200 83 2**		308
506546	**6200 83 5**		308
506549	**6200 88 2**		309
506550	**6200 88 5**		309
506551	**6200 92 6**		309
506552	**6200 92 9**		309
612637	**6203 02 7**		310
612643	**6203 03 5**		310
612649	**6203 04 3**		310
612655	**6203 05 1**		310
612661	**6203 07 8**		310
612673	**6203 12 4**		310
612679	**6203 13 2**		310
612685	**6203 14 0**		310
612691	**6203 15 9**		310
612697	**6203 16 7**		310
613213	**6205 03 8**		310
613219	**6205 04 6**		310
613225	**6205 05 4**		310
613231	**6205 06 2**		310
613237	**6205 07 0**		310
613249	**6205 12 7**		310
613255	**6205 13 5**		310
613261	**6205 14 3**		310
613267	**6205 15 1**		310
613273	**6205 17 8**		310
613357	**6205 53 4**		310
613363	**6205 54 2**		310
613369	**6205 55 0**		310
613375	**6205 56 9**		310
613381	**6205 57 7**		310
613393	**6205 62 3**		310
613399	**6205 63 1**		310
613405	**6205 65 8**		310
613411	**6205 66 6**		310
613417	**6205 67 4**		310
613537	**6206 12 3**		310
613543	**6206 13 1**		310
613549	**6206 15 8**		310
613555	**6206 16 6**		310
613561	**6206 17 4**		310
		/m	
569557	**6207 99 1**		349
569558	**6207 99 3**		349
569559	**6207 99 5**		349
569560	**6207 99 7**		349
569561	**6207 99 9**		349
506395	**6208 50 6**		311
506396	**6208 50 9**		311
506399	**6208 51 2**		311
506400	**6208 51 5**		311
506401	**6208 51 8**		311
506402	**6208 53 8**		312
506405	**6208 54 1**		312
506406	**6208 54 4**		312
506407	**6208 54 7**		312
506408	**6208 55 0**		312
543415	**6208 56 2**		312
543416	**6208 56 6**		312
543420	**6208 57 0**		312
543421	**6208 57 4**		312
543422	**6208 57 8**		312
506411	**6208 58 1**		311
506412	**6208 58 4**		311
506413	**6208 58 7**		311
506414	**6208 59 0**		311
506417	**6208 59 3**		311
506418	**6208 60 3**		311
506419	**6208 60 6**		311
506420	**6208 60 9**		311
506423	**6208 61 2**		311
506424	**6208 61 5**		311
506425	**6208 62 7**		312
506426	**6208 63 0**		312
506429	**6208 63 3**		312
506430	**6208 63 6**		312
506431	**6208 63 9**		312
506432	**6208 65 0**		312
506435	**6208 65 3**		312

GTIN	Art. no.	Price	Page
		/m	
506436	**6208 65 6**		312
506437	**6208 65 9**		312
506438	**6208 66 1**		312
506441	**6208 70 0**		437
506442	**6208 70 3**		437
506443	**6208 70 6**		437
506444	**6208 70 9**		437
506447	**6208 71 2**		437
		/pc.	
666679	**6208 83 5**		478
506555	**6208 84 0**		314
506556	**6208 84 3**		314
506557	**6208 84 6**		437
502208	**6208 89 1**		478
506558	**6208 89 5**		314
506561	**6208 89 8**		314
504637	**6208 93 2**		478
506562	**6208 94 1**		314
506563	**6208 94 4**		314
506564	**6208 94 7**		438
		/m	
523696	**6209 30 1**		313
523697	**6209 30 3**		313
523698	**6209 30 5**		313
523699	**6209 30 7**		313
523700	**6209 30 9**		313
523706	**6209 33 0**		313
523709	**6209 33 2**		313
523710	**6209 33 4**		313
523711	**6209 33 6**		313
523712	**6209 33 8**		313
523713	**6209 34 3**		313
523714	**6209 34 5**		313
523715	**6209 34 7**		313
523716	**6209 34 9**		313
523717	**6209 35 1**		313
546517	**6209 52 0**		319
546518	**6209 52 2**		319
546519	**6209 52 4**		319
546520	**6209 52 6**		319
546521	**6209 52 8**		319
		/pc.	
614299	**6211 03 8**		315
614305	**6211 04 6**		315
614311	**6211 05 4**		315
614317	**6211 06 2**		315
614323	**6211 07 0**		315
614335	**6211 12 7**		315
614341	**6211 13 5**		315
614347	**6211 14 3**		315
614353	**6211 15 1**		315
614359	**6211 17 8**		315
614371	**6211 22 4**		315
614377	**6211 23 2**		315
614383	**6211 24 0**		315
614389	**6211 25 9**		315
614395	**6211 26 7**		315
614407	**6211 32 1**		315
614413	**6211 34 8**		315
614419	**6211 35 6**		315
614425	**6211 36 4**		315
614431	**6211 37 2**		315
614875	**6213 02 2**		316
614881	**6213 03 0**		316
614887	**6213 04 9**		316
614893	**6213 05 7**		316
614899	**6213 06 5**		316
614911	**6213 13 8**		316
614917	**6213 14 6**		316
614923	**6213 15 4**		316
614929	**6213 16 2**		316
614935	**6213 17 0**		316
614947	**6213 22 7**		317
614953	**6213 23 5**		317
614959	**6213 24 3**		317
614965	**6213 25 1**		317
614971	**6213 27 8**		317
614983	**6213 32 4**		317
614989	**6213 33 2**		317
614995	**6213 34 0**		317
615001	**6213 35 9**		317

GTIN	Art. no.	Price	Page
		/pc.	
615007	**6213 36 7**		317
615019	**6213 52 9**		315
615025	**6213 53 7**		315
615031	**6213 54 5**		315
615037	**6213 55 3**		315
615043	**6213 56 1**		315
615055	**6213 63 4**		315
615061	**6213 64 2**		315
615067	**6213 65 0**		315
615073	**6213 66 9**		315
615079	**6213 67 7**		315
615091	**6213 72 3**		316
615097	**6213 73 1**		316
615103	**6213 75 8**		316
615109	**6213 76 6**		316
615115	**6213 77 4**		316
615127	**6213 82 0**		316
615133	**6213 83 9**		316
615139	**6213 84 7**		316
615145	**6213 85 5**		316
615151	**6213 86 3**		316
615163	**6214 02 9**		316
615169	**6214 03 7**		316
615175	**6214 04 5**		316
615181	**6214 05 3**		316
615187	**6214 06 1**		316
615199	**6214 13 4**		316
615205	**6214 14 2**		316
615211	**6214 15 0**		316
615217	**6214 16 9**		316
615223	**6214 17 7**		316
615235	**6214 22 3**		316
615241	**6214 23 1**		316
615247	**6214 25 8**		316
615253	**6214 26 6**		316
615259	**6214 27 4**		316
615271	**6214 32 0**		316
615277	**6214 33 9**		316
615283	**6214 34 7**		316
615289	**6214 35 5**		316
615295	**6214 36 3**		316
		/m	
506448	**6216 40 4**		318
506449	**6216 40 7**		318
506450	**6216 41 0**		318
506453	**6216 41 3**		318
506520	**6216 41 6**		318
506521	**6216 42 3**		318
506522	**6216 42 6**		318
506525	**6216 42 9**		318
506526	**6216 43 2**		318
506527	**6216 43 5**		318
506528	**6216 44 2**		318
506531	**6216 44 5**		318
506532	**6216 44 8**		318
506533	**6216 45 1**		318
506534	**6216 45 4**		318
506537	**6216 46 5**		318
506538	**6216 46 8**		318
506539	**6216 47 1**		318
546018	**6216 47 3**		318
506540	**6216 47 4**		318
506543	**6216 47 7**		318
		/pc.	
506567	**6216 54 5**		319
506568	**6216 54 8**		319
506569	**6216 58 7**		319
506570	**6216 59 0**		319
506573	**6216 65 0**		320
506574	**6216 65 3**		320
615727	**6217 62 1**		320
615733	**6217 64 8**		320
615739	**6217 65 6**		320
615745	**6217 66 4**		320
615751	**6217 67 2**		320
615763	**6217 72 9**		320
615769	**6217 73 7**		320
615775	**6217 74 5**		320
546019	**6217 74 8**		320

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/pc.	
615781	**6217 75 3**		320
615787	**6217 76 1**		320
616015	**6218 82 2**		321
616021	**6218 83 0**		321
616027	**6218 84 9**		321
616033	**6218 85 7**		321
616039	**6218 86 5**		321
616051	**6218 93 8**		321
616057	**6218 94 6**		321
616063	**6218 95 4**		321
546020	**6218 95 6**		321
616069	**6218 96 2**		321
616075	**6218 97 0**		321
616087	**6219 22 5**		321
616093	**6219 23 3**		321
616099	**6219 24 1**		321
616105	**6219 26 8**		321
616111	**6219 27 6**		321
616123	**6219 32 2**		321
616129	**6219 33 0**		321
616135	**6219 34 9**		321
546026	**6219 35 2**		321
616141	**6219 35 7**		321
616147	**6219 36 5**		321
616159	**6219 52 7**		321
616165	**6219 53 5**		321
616171	**6219 54 3**		321
616177	**6219 55 1**		321
616183	**6219 57 8**		321
616195	**6219 62 4**		321
616201	**6219 63 2**		321
616207	**6219 64 0**		321
546030	**6219 64 3**		321
616213	**6219 65 9**		321
616219	**6219 66 7**		321
567793	**6220 13 9**		296
580712	**6220 14 2**		296
580715	**6220 14 5**		434
616339	**6220 43 6**		323
616345	**6220 44 4**		323
616351	**6220 45 2**		323
616357	**6220 46 0**		323
616363	**6220 47 9**		323
616441	**6221 00 9**		322
616447	**6221 01 7**		322
584984	**6221 06 1**		323
584987	**6221 06 3**		439
584988	**6221 07 1**		323
584989	**6221 07 3**		439
616453	**6221 07 6**		322
616459	**6221 08 4**		322
616465	**6221 12 2**		322
601525	**6221 13 0**		446
652483	**6221 15 7**		479
616471	**6221 20 3**		323
608911	**6221 21 6**		323
616483	**6221 24 6**		323
608923	**6221 25 9**		323
616495	**6221 30 0**		309
616501	**6221 31 9**		309
616507	**6221 35 1**		314
616513	**6221 37 8**		314
616519	**6221 38 6**		438
616525	**6221 41 6**		320
616531	**6221 42 4**		320
616543	**6221 51 3**		323
616615	**6221 85 8**		323
616621	**6221 86 6**		323
616627	**6221 87 4**		323
616633	**6221 88 2**		323
616639	**6221 89 0**		323
616717	**6222 35 8**		324
633313	**6222 36 6**		269
		/pair	
566799	**6222 50 2**		308

GTIN	Art. no.	Price	Page
		/pair	
566800	**6222 53 7**		314
566801	**6222 55 3**		319
		/m	
616909	**6227 02 3**		337
616915	**6227 03 1**		337
616921	**6227 05 8**		337
616927	**6227 06 6**		337
616933	**6227 07 4**		337
616939	**6227 12 0**		337
616945	**6227 13 9**		337
616951	**6227 14 7**		337
616957	**6227 15 5**		337
616963	**6227 16 3**		337
590996	**6227 17 0**		481
590999	**6227 17 2**		481
591000	**6227 17 4**		481
591001	**6227 17 6**		481
591002	**6227 17 8**		481
575126	**6227 36 0**		446
575130	**6227 36 2**		446
575131	**6227 36 4**		446
575132	**6227 36 6**		446
575135	**6227 36 8**		446
616969	**6227 42 2**		340
616975	**6227 43 0**		340
616981	**6227 44 9**		340
616987	**6227 45 7**		340
616993	**6227 46 5**		340
607261	**6227 60 0**		340
607273	**6227 60 4**		340
607291	**6227 60 8**		340
607309	**6227 61 2**		340
607327	**6227 61 6**		340
		/pc.	
617029	**6227 62 7**		341
617047	**6227 70 8**		331
617053	**6227 71 6**		331
568410	**6227 72 4**		442
591007	**6227 73 0**		481
576770	**6227 83 2**		331
576792	**6227 83 6**		331
617083	**6227 85 6**		332
617089	**6227 86 4**		332
569635	**6227 86 8**		443
617095	**6227 90 2**		331
617101	**6227 91 0**		331
569636	**6227 91 4**		443
617107	**6227 95 3**		332
617113	**6227 96 1**		332
569640	**6227 96 5**		443
617179	**6229 33 6**		339
617185	**6229 34 4**		339
617191	**6229 35 2**		339
617197	**6229 36 0**		339
617203	**6229 37 9**		339
617209	**6229 42 5**		339
617215	**6229 43 3**		339
617221	**6229 44 1**		339
617227	**6229 46 8**		339
617233	**6229 47 6**		339
591008	**6229 50 0**		481
591011	**6229 50 2**		481
591012	**6229 50 4**		481
591013	**6229 50 6**		481
591014	**6229 50 8**		481
617269	**6229 72 7**		339
617275	**6229 73 5**		339
617281	**6229 74 3**		339
617287	**6229 75 1**		339
617293	**6229 77 8**		339
591018	**6229 82 0**		481
591019	**6229 82 2**		481
591020	**6229 82 4**		481
591023	**6229 82 6**		481
591024	**6229 82 8**		481
617389	**6230 42 3**		339
617395	**6230 43 1**		339
617401	**6230 45 8**		339
617407	**6230 46 6**		339
617413	**6230 47 4**		339
617449	**6230 72 5**		339

GTIN	Art. no.	Price	Page
		/pc.	
617455	**6230 73 3**		339
617461	**6230 74 1**		339
617467	**6230 76 8**		339
617473	**6230 77 6**		339
650371	**6231 46 2**		340
650377	**6231 47 0**		340
650383	**6231 48 9**		340
650389	**6231 49 7**		340
650395	**6231 50 0**		340
650401	**6231 52 7**		340
650407	**6231 53 5**		340
650413	**6231 54 3**		340
650419	**6231 55 1**		340
650425	**6231 57 8**		340
650461	**6231 66 7**		340
650467	**6231 67 5**		340
650473	**6231 68 3**		340
697742	**6231 69 1**		340
697748	**6231 70 5**		340
650521	**6231 80 2**		341
650527	**6231 81 0**		341
650533	**6231 82 9**		341
650539	**6231 83 7**		341
650545	**6231 84 5**		341
608041	**6231 90 0**		340
608047	**6231 90 4**		340
608053	**6231 90 8**		340
608059	**6231 91 2**		340
608065	**6231 91 6**		340
608071	**6231 92 2**		340
608077	**6231 92 6**		340
608083	**6231 93 0**		340
608089	**6231 93 4**		340
608095	**6231 93 8**		340
		/m	
617479	**6232 02 7**		342
617485	**6232 03 5**		342
617491	**6232 04 3**		342
617497	**6232 05 1**		342
617503	**6232 07 8**		342
607345	**6232 38 0**		345
607363	**6232 38 4**		345
607369	**6232 38 8**		345
607375	**6232 39 2**		345
607399	**6232 39 6**		345
		/pc.	
617539	**6232 43 4**		345
617551	**6232 48 5**		336
617557	**6232 50 7**		342
617575	**6232 60 4**		342
617581	**6232 61 2**		342
617593	**6232 66 3**		343
617629	**6233 42 2**		344
617635	**6233 43 0**		344
617641	**6233 44 9**		344
617647	**6233 45 7**		344
617653	**6233 46 5**		344
617659	**6233 62 7**		344
617665	**6233 63 5**		344
617671	**6233 64 3**		344
617677	**6233 65 1**		344
617683	**6233 67 8**		344
617689	**6233 72 4**		344
617695	**6233 73 2**		344
617701	**6233 74 0**		344
617707	**6233 75 9**		344
617713	**6233 76 7**		344
644569	**6239 15 3**		324
644575	**6239 16 1**		324
644581	**6239 18 8**		324
644587	**6239 19 6**		324
644593	**6239 21 8**		324
644641	**6239 77 3**		325
644647	**6239 78 1**		325
644653	**6239 80 3**		325
644659	**6239 81 1**		325
644665	**6239 83 8**		325
		/pair	
566802	**6310 39 8**		334

GTIN	Art. no.	Price	Page
		/m	
688303	**6311 00 8**		334
688309	**6311 01 2**		334
688315	**6311 01 6**		334
688321	**6311 02 0**		334
688327	**6311 02 4**		334
688333	**6311 05 9**		334
688339	**6311 06 3**		334
688345	**6311 06 7**		334
688351	**6311 07 1**		334
688357	**6311 07 5**		334
503726	**6311 20 2**		444
503729	**6311 20 6**		444
503730	**6311 21 0**		444
503731	**6311 21 4**		444
503732	**6311 21 8**		444
540312	**6311 22 5**		479
586628	**6311 22 7**		479
540313	**6311 22 9**		479
586632	**6311 23 1**		479
540314	**6311 23 3**		479
		/pc.	
630187	**6312 33 0**		335
630193	**6312 34 9**		335
630199	**6312 35 7**		335
630205	**6312 36 5**		335
630211	**6312 37 3**		335
630217	**6312 43 8**		335
630223	**6312 44 6**		335
630229	**6312 45 4**		335
630235	**6312 46 2**		335
630241	**6312 47 0**		335
612115	**6312 53 9**		446
612121	**6312 54 1**		446
690199	**6312 54 3**		446
612127	**6312 54 5**		446
612133	**6312 54 7**		446
591025	**6312 55 0**		480
591026	**6312 55 2**		480
591031	**6312 55 4**		480
591032	**6312 55 6**		480
591035	**6312 55 8**		480
630247	**6312 63 2**		336
630253	**6312 64 0**		336
630259	**6312 65 9**		336
630427	**6312 66 7**		336
630265	**6312 67 5**		336
630271	**6312 71 3**		336
630277	**6312 72 1**		336
630283	**6312 74 8**		336
630289	**6312 75 6**		336
630295	**6312 76 4**		336
612139	**6312 80 2**		446
612145	**6312 80 4**		446
612151	**6312 80 6**		446
612157	**6312 80 8**		446
678325	**6312 81 0**		446
591036	**6312 81 5**		480
591037	**6312 81 7**		480
591038	**6312 81 9**		480
591043	**6312 82 1**		480
591044	**6312 82 3**		480
630331	**6312 93 4**		336
630337	**6312 94 2**		336
630343	**6312 95 0**		336
630349	**6312 96 9**		336
630355	**6312 97 7**		336
618277	**6337 03 1**		190
618283	**6337 05 8**		190
618289	**6337 06 6**		190
618295	**6337 07 4**		190
618301	**6337 08 2**		190
618307	**6337 09 0**		190
618313	**6337 10 4**		190
618319	**6337 11 2**		190
618325	**6337 12 0**		190
580455	**6337 13 9**		190
580503	**6337 14 7**		190
593493	**6337 15 5**		190
618349	**6337 16 3**		190
593475	**6337 17 1**		190
618361	**6337 19 8**		190
593487	**6337 20 1**		190
593421	**6337 22 8**		190
618379	**6337 23 6**		190

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

GTIN	Art. no.	Price	Page
		/pc.	
618385	**6337 24 4**		190
618391	**6337 25 2**		190
566803	**6338 45 8**		168
566804	**6338 46 2**		171
566806	**6338 49 7**		174
566807	**6338 51 9**		189
618541	**6338 60 7**		409
618547	**6338 61 5**		409
618553	**6338 62 3**		409
618559	**6338 63 1**		409
618565	**6338 65 8**		409
618571	**6338 66 6**		409
618577	**6338 67 4**		409
618583	**6338 68 2**		409
618589	**6338 69 0**		409
618595	**6338 70 4**		409
618601	**6338 71 2**		409
618613	**6338 73 9**		409
618619	**6338 74 7**		409
618649	**6338 80 1**		409
618655	**6339 01 8**		174
618661	**6339 03 4**		174
618667	**6339 05 0**		174
618673	**6339 07 7**		174
618679	**6339 09 3**		174
618685	**6339 11 5**		174
618691	**6339 13 1**		174
618697	**6339 16 6**		174
618703	**6339 18 2**		174
618709	**6339 19 0**		174
618715	**6339 20 4**		174
618721	**6339 21 2**		174
618727	**6339 22 0**		174
618733	**6339 23 9**		174
618739	**6339 24 7**		174
618745	**6339 25 5**		174
618751	**6339 26 3**		174
618757	**6339 27 1**		174
618763	**6339 29 8**		174
618769	**6340 01 6**		175
618775	**6340 03 2**		175
618781	**6340 05 9**		175
618787	**6340 07 5**		175
618793	**6340 09 1**		175
618799	**6340 11 3**		175
618805	**6340 14 8**		175
618811	**6340 16 4**		175
618817	**6340 18 0**		175
618823	**6340 19 9**		175
618829	**6340 20 2**		175
618835	**6340 21 0**		175
618841	**6340 22 9**		175
618847	**6340 23 7**		175
618853	**6340 24 5**		175
618859	**6340 25 3**		175
618865	**6340 26 1**		175
618871	**6340 28 8**		175
618877	**6340 29 6**		175
618883	**6340 31 8**		175
618889	**6340 37 7**		175
645823	**6340 39 3**		175
695900	**6340 88 1**		172
695906	**6340 90 3**		172
695912	**6340 91 1**		172
695918	**6340 93 8**		172
660175	**6340 94 6**		172
604392	**6340 95 0**		172
604404	**6340 95 4**		172
604416	**6340 95 8**		172
628417	**6340 96 2**		172
577627	**6340 96 4**		172
585813	**6340 96 5**		172
643759	**6340 96 6**		172
643765	**6340 97 0**		172
644695	**6340 98 9**		172
643771	**6340 99 7**		172
502098	**6341 05 3**		459
618199	**6341 05 5**		459
618205	**6341 05 7**		459
618331	**6341 05 9**		459
623713	**6341 06 3**		459
618337	**6341 06 5**		459
502230	**6341 07 3**		459
608155	**6341 10 1**		407
608161	**6341 10 5**		407
608167	**6341 10 9**		407
608173	**6341 11 3**		407
608185	**6341 12 1**		407
608191	**6341 12 5**		407
608197	**6341 12 9**		407
608209	**6341 13 3**		407
608215	**6341 13 7**		407
608221	**6341 14 1**		407
608227	**6341 15 2**		407
681553	**6341 20 9**		459
681559	**6341 21 3**		459
681565	**6341 21 7**		459
681571	**6341 22 1**		459
681589	**6341 22 5**		459
681619	**6341 22 8**		459
681631	**6341 23 3**		459
681643	**6341 23 7**		459
645991	**6341 24 1**		459
681655	**6341 24 5**		459
681661	**6341 24 9**		459
647713	**6341 35 8**		407
664423	**6341 36 2**		407
635029	**6341 36 6**		407
635041	**6341 37 0**		407
635047	**6341 37 4**		407
635053	**6341 37 8**		407
635059	**6341 38 2**		407
662449	**6341 38 6**		407
635071	**6341 39 0**		407
635077	**6341 39 4**		407
635083	**6341 39 8**		407
653677	**6341 52 7**		171
653671	**6341 53 5**		171
653665	**6341 54 3**		171
653659	**6341 55 1**		171
653653	**6341 57 8**		171
653647	**6341 58 6**		171
653641	**6341 59 4**		171
653635	**6341 60 8**		171
653629	**6341 61 6**		171
653623	**6341 62 4**		171
653617	**6341 63 2**		171
618913	**6341 76 4**		410
618943	**6341 81 0**		410
618973	**6341 86 1**		410
619003	**6341 95 0**		410
619009	**6341 96 9**		410
619015	**6341 99 3**		410
622177	**6342 30 2**		169
622201	**6342 30 4**		169
622207	**6342 30 6**		169
622231	**6342 30 8**		169
622237	**6342 31 0**		169
622243	**6342 31 2**		169
622249	**6342 31 4**		169
622351	**6342 31 6**		169
622357	**6342 31 8**		169
622363	**6342 32 8**		169
622429	**6342 33 8**		169
571090	**6342 34 0**		169
622441	**6342 34 5**		169
622447	**6342 35 1**		168
622453	**6342 35 3**		168
622459	**6342 35 5**		168
622465	**6342 35 7**		168
622471	**6342 35 9**		168
622477	**6342 36 2**		168
622501	**6342 36 4**		168
622507	**6342 36 6**		168
622513	**6342 36 8**		168
622537	**6342 37 0**		168
622543	**6342 37 2**		168
570563	**6342 37 5**		457
570564	**6342 37 9**		457
570565	**6342 38 1**		457
561846	**6342 38 9**		457
570566	**6342 39 1**		457
570567	**6342 39 3**		457
570568	**6342 39 5**		457
591287	**6342 39 6**		457
570569	**6342 39 7**		457
591288	**6342 39 8**		457
570535	**6342 40 1**		405
570536	**6342 40 3**		405
570537	**6342 40 5**		405
570538	**6342 40 7**		405
570539	**6342 40 9**		405
570540	**6342 41 1**		405
570541	**6342 41 3**		405
570542	**6342 41 5**		405
570543	**6342 41 7**		405
622549	**6342 45 0**		169
570570	**6342 45 5**		405
570571	**6342 45 7**		405
570572	**6342 46 0**		405
570576	**6342 46 3**		405
570577	**6342 46 6**		405
570637	**6342 46 8**		405
570578	**6342 48 5**		457
570582	**6342 48 8**		457
570583	**6342 49 1**		457
570584	**6342 49 4**		457
570587	**6342 49 7**		457
561847	**6342 50 5**		457
539535	**6342 53 0**		457
653683	**6346 71 5**		197
653689	**6346 73 1**		197
634015	**6346 75 8**		187
570393	**6346 76 3**		188
634681	**6346 80 4**		176
634687	**6346 82 0**		177
619051	**6347 05 3**		190
619057	**6347 06 1**		190
619063	**6347 08 8**		191
619087	**6347 84 3**		191
619093	**6348 10 6**		191
619099	**6348 15 7**		191
646597	**6348 40 8**		215
646609	**6348 44 0**		215
634021	**6348 87 4**		169
570601	**6348 87 6**		406
570602	**6348 87 7**		458
535482	**6348 88 1**		170
535483	**6348 88 3**		170
570603	**6348 88 4**		406
539539	**6348 88 5**		458
616891	**6348 90 4**		172
690145	**6348 92 0**		173
501836	**6348 92 5**		408
501845	**6348 92 7**		460
643777	**6348 93 9**		172
643783	**6348 94 7**		408
619135	**6349 05 6**		175
619141	**6349 10 2**		175
619147	**6349 15 3**		176
619153	**6349 19 6**		411
619159	**6349 21 8**		176
619165	**6349 27 7**		410
619171	**6349 40 4**		198
619177	**6349 41 2**		198
619183	**6349 43 9**		198
619189	**6349 44 7**		198
619195	**6349 46 3**		198
619429	**6354 10 6**		195
619435	**6354 11 4**		195
619441	**6354 12 2**		195
619447	**6355 02 1**	/pair	195
619453	**6355 04 8**	/pair	195
619459	**6355 05 6**		195
619465	**6355 06 4**		195
619471	**6355 07 2**		195
619477	**6355 21 8**		196
619483	**6355 22 6**		196
619489	**6355 23 4**		196
619495	**6355 24 2**		196
619501	**6355 25 0**		196
619507	**6355 30 7**		413
619513	**6355 31 5**		413
619519	**6355 32 3**		413
619525	**6355 33 1**		413
619531	**6355 35 8**		413
619537	**6355 40 4**		413
619543	**6355 41 2**		413
619549	**6355 42 0**		413
619555	**6355 43 9**		413
619561	**6355 44 7**		413
611449	**6355 80 0**		197
611461	**6355 80 4**		196
657907	**6355 80 8**		196
657925	**6355 81 2**		196
537307	**6356 05 5**	/pc.	158
619567	**6356 10 9**		158
629575	**6356 31 1**		398
629587	**6356 36 2**		398
629581	**6356 39 7**		398
647119	**6356 91 5**		398
629635	**6357 00 8**		398
629641	**6357 01 6**		398
552366	**6357 50 6**		158
552367	**6357 51 6**		404
552368	**6357 53 6**		158
552372	**6357 53 8**		404
676555	**6358 50 0**		160
687469	**6358 51 0**		160
676567	**6358 52 7**		160
676573	**6358 53 5**		160
676579	**6358 54 3**		160
536406	**6358 69 0**		159
536407	**6358 69 2**		159
536408	**6358 69 4**		159
693937	**6358 70 5**		160
693943	**6358 70 9**		160
693949	**6358 71 3**		160
693955	**6358 71 7**		160
694717	**6358 75 2**		160
694723	**6358 75 6**		160
694729	**6358 76 0**		160
694735	**6358 76 4**		160
526861	**6358 81 0**		379
543576	**6358 85 3**		160
543577	**6358 85 6**		160
543578	**6358 86 0**		160
543581	**6358 86 4**		160
543582	**6358 86 8**		160
584384	**6358 87 2**		160
584389	**6358 87 3**		160
584390	**6358 87 4**		160
584394	**6358 87 5**		160
584395	**6358 87 6**		160
543583	**6358 88 4**		160
543584	**6358 88 8**		160
543587	**6358 89 2**		160
543588	**6358 89 6**		160
543589	**6358 90 0**		160
619633	**6361 02 1**		189
619639	**6361 05 6**		189
619645	**6361 07 2**		189
619651	**6361 09 9**		189
619657	**6361 11 0**		189
619663	**6361 13 7**		189
619669	**6361 15 3**		189
619675	**6361 18 8**		189
619681	**6361 21 8**		189
619687	**6361 23 4**		189
619693	**6361 25 0**		189
619699	**6361 27 7**		189

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/pc.	
619705	**6361 29 3**		189
619711	**6361 31 5**		189
619717	**6361 33 1**		189
619723	**6361 36 6**		189
619729	**6361 38 2**		189
619741	**6361 42 0**		189
619861	**6363 80 6**		162
619867	**6363 81 4**		162
619873	**6363 82 2**		162
546038	**6363 82 6**		162
546042	**6363 82 9**		162
507685	**6363 86 1**		162
507686	**6363 86 5**		162
507689	**6363 86 9**		162
688141	**6363 90 3**		161
591291	**6363 90 5**		456
614821	**6363 90 7**		161
591292	**6363 90 9**		456
688147	**6363 91 1**		161
591293	**6363 91 3**		456
688153	**6363 93 8**		161
591294	**6363 94 0**		456
688159	**6363 94 6**		161
591295	**6363 94 8**		456
619897	**6364 10 1**		165
619903	**6364 15 2**		165
619909	**6364 20 9**		165
619915	**6364 26 8**		165
619921	**6364 27 6**		165
619927	**6364 30 6**		165
619933	**6364 32 2**		164
619939	**6364 34 9**		164
619945	**6364 36 5**		164
647371	**6364 40 3**		164
647377	**6364 50 0**		164
647383	**6364 60 8**		164
566808	**6364 62 5**		167
647389	**6364 65 9**		165
647395	**6364 66 7**		165
647401	**6364 67 5**		165
655567	**6364 68 3**		165
628273	**6364 80 2**		167
561773	**6364 84 8**		402
561786	**6364 85 0**		402
561787	**6364 85 2**		402
573315	**6364 87 1**		403
573316	**6364 87 6**		403
573317	**6364 88 1**		403
651175	**6365 90 6**		163
604260	**6365 91 4**		163
651181	**6365 92 2**		163
698432	**6365 94 9**		163
507690	**6365 97 7**		163
507691	**6365 98 1**		163
507692	**6365 98 5**		163
561774	**6365 98 9**		402
561775	**6365 99 1**		402
561776	**6365 99 3**		402
561777	**6365 99 5**		402
662755	**6366 01 5**		166
662761	**6366 02 3**		166
654535	**6366 03 1**		166
654529	**6366 06 6**		166
607903	**6366 09 0**		166
542492	**6366 09 3**		166
507695	**6366 13 1**		166
507696	**6366 13 5**		166
507697	**6366 13 9**		166
507698	**6366 14 3**		166
561778	**6366 14 5**		403
561779	**6366 14 6**		403
561780	**6366 14 8**	/pc.	403
561781	**6366 14 9**		403
538169	**6366 53 3**		166
538170	**6366 53 6**		166
538171	**6366 53 9**		166
538172	**6366 54 2**		166
538175	**6366 54 5**		166
538176	**6366 54 8**		166
538177	**6366 55 1**		166
538178	**6366 55 4**		166
566809	**6372 88 1**		207
566810	**6372 89 8**		207
		/m	
619963	**6373 06 2**		415
619969	**6373 07 0**		206
		/pc.	
619975	**6373 10 0**		206
561415	**6373 10 3**		206
681763	**6392 00 8**		461
681769	**6392 01 6**		461
681775	**6392 02 4**		461
681781	**6392 03 2**		461
681787	**6392 04 0**		461
681793	**6392 05 9**		461
		/100 pc.	
604908	**6404 00 6**		222
604920	**6404 01 4**		222
619981	**6406 12 2**		212
505958	**6406 12 5**		212
656311	**6406 13 0**		212
505956	**6406 13 3**		212
607759	**6406 13 8**		212
607837	**6406 14 2**		463
619987	**6406 15 7**		212
661615	**6406 18 1**		212
607771	**6406 18 9**		212
607843	**6406 19 3**		463
619999	**6406 20 3**		212
592524	**6406 20 5**		212
592525	**6406 20 7**		463
620005	**6406 25 4**		177
620011	**6406 27 0**		212
620023	**6406 52 1**		212
620029	**6406 55 6**		212
629131	**6406 56 4**		463
681757	**6406 58 0**		463
620035	**6406 60 2**		212
660307	**6406 61 0**		463
620041	**6406 69 6**		212
620047	**6406 71 8**		212
620053	**6406 72 6**		212
620059	**6406 75 0**		212
620065	**6406 76 9**		212
606432	**6406 78 5**		463
620071	**6406 80 7**		212
620077	**6406 81 5**		212
620083	**6406 82 3**		212
620089	**6406 86 6**		212
682207	**6406 87 0**		458
643789	**6406 87 2**		463
504524	**6406 90 7**		212
620119	**6406 93 9**		212
620125	**6406 96 3**		212
620131	**6406 97 1**		212
620137	**6406 99 8**		212
620143	**6407 04 8**		212
620173	**6407 47 1**		212
592526	**6407 52 4**		463
620179	**6407 52 8**		212
620185	**6407 53 6**		167
620191	**6407 56 0**		170
620197	**6407 57 9**		212
647953	**6408 47 8**	/100 pc.	177
620215	**6408 51 6**		167
647995	**6408 70 2**		214
648001	**6408 71 0**		214
648007	**6408 72 9**		214
648013	**6408 73 7**		214
591096	**6408 92 0**		463
591098	**6408 93 0**		463
591104	**6408 94 0**		463
662395	**6408 95 8**		216
607849	**6408 96 2**		216
607855	**6408 96 6**		216
607861	**6408 97 0**		463
620221	**6410 08 1**		159
620227	**6410 10 3**		159
620233	**6410 11 1**		159
604356	**6410 15 4**		159
604368	**6410 16 2**		159
622927	**6416 44 6**	/pc.	169
570604	**6416 44 8**		406
561848	**6416 45 0**		458
681823	**6416 46 2**		460
620275	**6416 48 9**		408
620281	**6416 50 0**		172
689425	**6416 50 4**		173
501834	**6416 50 7**		408
501840	**6416 51 1**		460
620287	**6416 51 9**		175
620293	**6416 52 7**		410
620299	**6416 55 1**		167
655561	**6416 58 6**		167
561788	**6416 59 4**		404
620347	**6417 75 2**		186
620353	**6417 77 9**		186
620359	**6417 79 5**		186
620365	**6417 81 7**		186
620371	**6417 83 3**		186
620377	**6417 86 8**		186
620383	**6417 88 4**		186
634027	**6417 90 6**		187
634033	**6417 91 0**		187
634039	**6417 91 4**		187
634045	**6417 91 8**		187
634051	**6417 92 2**		187
634057	**6417 92 6**		187
634063	**6417 93 0**		187
634069	**6417 93 4**		187
634075	**6417 93 8**		187
634879	**6418 24 4**	/100 pc.	158
682213	**6418 24 8**		406
643747	**6418 25 0**		170
651847	**6418 25 2**		170
620437	**6418 27 9**		214
620443	**6418 28 7**		177
620449	**6418 29 5**		177
620455	**6418 31 7**		177
620461	**6418 36 8**		214
620467	**6418 37 6**		214
620473	**6418 55 4**	/pc.	185
591296	**6418 55 7**		462
620479	**6418 57 0**		185
591297	**6418 57 3**		462
620485	**6418 59 7**		185
591298	**6418 60 1**		462
620491	**6418 61 9**		185
591299	**6418 62 2**		462
620497	**6418 62 7**		185
620503	**6418 63 5**		185
591300	**6418 63 8**		462
620509	**6418 65 1**		185
620515	**6418 68 6**		185
620521	**6418 70 8**	/pc.	185
620527	**6418 72 4**		185
620533	**6418 75 9**		193
620539	**6418 76 7**		193
620545	**6418 77 5**		193
620551	**6418 79 1**		193
620557	**6418 81 3**		193
620563	**6418 84 8**		193
620569	**6418 85 6**		193
620575	**6418 86 4**		193
648163	**6418 87 2**		193
620581	**6419 04 6**		194
620587	**6419 06 2**		194
620593	**6419 08 9**		194
620599	**6419 10 0**		194
620605	**6419 11 9**		194
620611	**6419 12 7**		194
620617	**6419 14 3**		194
620623	**6419 17 8**		194
648241	**6419 19 4**		194
648247	**6419 20 8**		194
505866	**6419 46 4**		186
505868	**6419 46 8**		186
505873	**6419 47 2**		186
505878	**6419 47 6**		186
505880	**6419 48 0**		186
505867	**6419 50 1**		186
505872	**6419 50 5**		186
505874	**6419 50 9**		186
505879	**6419 51 3**		186
505884	**6419 51 7**		186
591301	**6419 51 9**		463
591302	**6419 52 0**		463
591303	**6419 52 1**		463
591304	**6419 52 2**		463
591305	**6419 52 3**		463
620629	**6419 53 4**		186
620635	**6419 55 0**		186
620641	**6419 57 7**		186
620647	**6419 59 3**		186
620653	**6419 61 5**		186
591306	**6419 64 0**		463
591307	**6419 64 2**		463
591308	**6419 64 4**		463
591309	**6419 64 6**		463
591310	**6419 64 8**		463
620659	**6419 70 4**		184
620665	**6419 71 2**		184
620671	**6419 72 0**		184
620677	**6419 74 7**		184
620683	**6419 76 3**		184
620689	**6419 79 8**		184
620695	**6419 82 8**		184
648373	**6419 83 6**		184
620701	**6419 84 4**		184
666247	**6420 60 6**		183
607915	**6420 60 7**		183
666253	**6420 60 8**		183
666259	**6420 61 0**		183
666265	**6420 61 2**		183
666271	**6420 61 4**		183
666277	**6420 61 6**		183
505837	**6420 62 5**		412
505838	**6420 62 8**		412
505842	**6420 63 1**		412
505843	**6420 63 4**		412
505850	**6420 63 7**		412
505854	**6420 64 0**		412
570630	**6420 64 2**		461
570631	**6420 64 4**		461
539536	**6420 64 6**		461
570605	**6420 64 8**		461
570632	**6420 65 0**		461
570635	**6420 65 2**		461
620707	**6420 65 6**		181
620713	**6420 66 4**		181
620719	**6420 68 0**		181

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Always indicate the item number when ordering.

GTIN	Art. no.	Price	Page
		/pc.	
620725	**6420 71 0**		181
620731	**6420 74 5**		181
620737	**6420 78 8**		181
620743	**6420 79 6**		181
620749	**6420 82 6**		181
507677	**6420 90 9**		182
507678	**6420 91 2**		182
507679	**6420 91 5**		182
507680	**6420 91 8**		182
507683	**6420 92 1**		182
507684	**6420 92 4**		182
530012	**6420 92 7**		182
620755	**6421 00 8**		411
620761	**6421 02 4**		411
620767	**6421 03 2**		411
506195	**6421 03 6**		411
506196	**6421 04 0**		411
506197	**6421 04 4**		411
620773	**6421 32 6**		193
620779	**6421 33 4**		193
620785	**6421 35 0**		193
620791	**6421 38 5**		193
620797	**6421 42 3**		193
620803	**6421 46 6**		193
620809	**6421 49 0**		193
		/100 pc.	
543851	**6424 54 8**		212
		/pc.	
543852	**6424 55 0**		179
543853	**6424 55 2**		179
543854	**6424 55 4**		179
543857	**6424 55 6**		179
632473	**6424 60 0**		180
632503	**6424 60 8**		180
632533	**6424 61 6**		180
632563	**6424 62 4**		180
663685	**6424 71 6**		178
663697	**6424 73 2**		178
663703	**6424 74 0**		178
663709	**6424 75 9**		178
620887	**6437 10 9**		293
620893	**6442 80 3**		412
620905	**6442 83 8**		412
620911	**6442 85 4**		412
620917	**6442 87 0**		412
620923	**6442 89 7**		412
620929	**6442 91 9**		412
644143	**6443 06 3**		413
644149	**6443 06 7**		413
661711	**6443 07 1**		413
666109	**6443 07 5**		413
666115	**6443 07 9**		413
666187	**6443 08 3**		413
634975	**6443 31 1**		462
655447	**6443 34 6**		462
502104	**6443 61 5**		462
695587	**6443 62 1**		462
502109	**6443 62 5**		462
504972	**6443 62 6**		462
502110	**6443 62 7**		462
		/100 m	
620935	**6490 01 8**		389
649807	**6490 02 6**		390
570588	**6490 02 8**		390
620941	**6490 03 4**		390
		/100 pc.	
620953	**6490 10 7**		390
570547	**6490 11 1**		390
620959	**6490 12 3**		390
570548	**6490 12 5**		390
570549	**6490 12 7**		390
570550	**6490 13 5**		390
570589	**6490 13 7**		390
570551	**6490 14 5**		390
570590	**6490 14 7**		390
620965	**6490 15 8**		390
620971	**6490 17 4**		390
620977	**6490 90 5**		390
620983	**6490 96 4**		390
		/pc.	
620989	**6498 01 9**		391
620995	**6498 02 7**		391
621163	**7001 29 0**		279
621169	**7001 30 4**		279
621175	**7001 31 2**		279
681943	**7001 89 4**		279
681949	**7001 91 6**		279
681955	**7001 93 2**		279
621235	**7001 94 0**		280
621241	**7001 96 7**		280
621247	**7001 97 5**		280
621289	**7002 39 4**		280
621295	**7002 41 6**		280
621301	**7002 43 2**		280
681979	**7002 63 7**		280
681985	**7002 65 3**		280
681991	**7002 68 8**		280
621361	**7002 69 6**		280
621367	**7002 72 6**		280
621373	**7002 73 4**		280
621631	**7005 00 8**		230
694741	**7005 01 6**		230
621637	**7005 02 4**		230
621643	**7005 04 0**		230
621649	**7005 06 7**		230
621655	**7005 32 6**		246
650023	**7005 33 4**		246
621661	**7005 34 2**		246
621667	**7005 36 9**		246
621673	**7005 38 5**		246
621679	**7005 40 7**		246
621685	**7005 42 3**		246
621691	**7005 46 6**		255
621697	**7005 48 2**		255
621703	**7005 50 4**		255
621709	**7005 52 0**		255
621715	**7005 54 7**		255
621721	**7005 56 3**		255
621727	**7005 62 8**		265
621733	**7005 64 4**		265
621739	**7005 66 0**		265
621745	**7005 68 7**		265
621751	**7005 70 9**		265
599590	**7005 72 3**		265
621787	**7006 32 2**		245
650035	**7006 33 0**		245
621793	**7006 34 9**		245
621799	**7006 36 5**		245
621805	**7006 38 1**		245
621811	**7006 41 1**		245
621817	**7006 44 6**		245
621823	**7006 46 2**		255
621829	**7006 48 9**		255
621835	**7006 50 0**		255
621841	**7006 52 7**		255
621847	**7006 54 3**		255
621853	**7006 57 8**		255
621859	**7006 62 4**		265
621865	**7006 64 0**		265
621871	**7006 66 7**		265
621877	**7006 68 3**		265
621883	**7006 70 5**		265
599586	**7006 71 7**		265
588657	**7006 72 0**		469
599568	**7006 72 2**		469
588658	**7006 72 4**		469
588659	**7006 72 8**		469
588660	**7006 73 2**		469
588661	**7006 73 6**		469
588662	**7006 74 0**		469
588645	**7006 75 0**		469
599566	**7006 75 2**		469
588647	**7006 75 4**		469
588648	**7006 75 8**		469
588650	**7006 76 2**		469
588653	**7006 76 6**		469
588654	**7006 77 0**		469
504731	**7007 00 1**		245
586333	**7007 00 2**		245
504732	**7007 00 5**		245
570373	**7007 00 6**		245
504733	**7007 00 9**		245
581101	**7007 01 0**		245
504734	**7007 01 3**		245
570374	**7007 01 4**		245
504737	**7007 01 7**		245
586334	**7007 01 8**		245
504738	**7007 02 1**		245
586338	**7007 02 2**		245
504739	**7007 02 5**		245
586339	**7007 02 6**		245
504740	**7007 02 9**		245
586340	**7007 03 0**		245
504743	**7007 05 1**		245
586328	**7007 05 2**		245
504744	**7007 05 5**		245
547681	**7007 05 6**		245
504745	**7007 05 9**		245
581102	**7007 06 0**		245
504746	**7007 06 3**		245
570378	**7007 06 4**		245
504749	**7007 06 7**		245
586329	**7007 06 8**		245
504750	**7007 07 1**		245
586330	**7007 07 2**		245
504751	**7007 07 5**		245
586331	**7007 07 6**		245
504752	**7007 07 9**		245
586332	**7007 08 0**		245
568855	**7007 10 5**		424
599567	**7007 10 7**		424
588618	**7007 10 9**		424
588619	**7007 11 3**		424
588620	**7007 11 7**		424
588623	**7007 11 9**		424
588624	**7007 12 1**		424
568856	**7007 15 5**		424
599565	**7007 15 6**		424
588611	**7007 15 7**		424
588612	**7007 15 9**		424
588613	**7007 16 1**		424
588614	**7007 16 3**		424
588617	**7007 16 5**		424
571141	**7007 17 0**		229
571142	**7007 17 4**		229
571143	**7007 17 8**		229
571144	**7007 18 2**		229
571145	**7007 18 6**		229
571146	**7007 20 0**		229
571147	**7007 20 4**		229
571148	**7007 20 8**		229
571151	**7007 21 2**		229
571152	**7007 21 6**		229
571153	**7007 23 0**		254
586350	**7007 23 1**		254
599569	**7007 23 2**		254
599570	**7007 23 3**		254
571154	**7007 23 4**		254
586351	**7007 23 5**		254
571157	**7007 23 8**		254
586352	**7007 23 9**		254
571158	**7007 24 2**		254
586356	**7007 24 3**		254
571159	**7007 24 6**		254
586357	**7007 24 7**		254
571160	**7007 25 0**		254
586358	**7007 25 1**		254
571163	**7007 27 0**		254
586341	**7007 27 1**		254
599571	**7007 27 2**		254
599572	**7007 27 3**		254
571164	**7007 27 4**		254
586342	**7007 27 5**		254
571165	**7007 27 8**		254
586343	**7007 27 9**		254
571166	**7007 28 2**		254
586344	**7007 28 3**		254
571169	**7007 28 6**		254
586345	**7007 28 7**		254
571170	**7007 29 0**		254
586346	**7007 29 1**		254
571171	**7007 31 0**		264
599557	**7007 31 2**		264
599559	**7007 31 3**		264
571172	**7007 31 4**		264
571175	**7007 31 8**		264
586361	**7007 31 9**		264
571176	**7007 32 2**		264
571177	**7007 32 6**		264
586362	**7007 32 7**		264
599558	**7007 33 3**		264
599560	**7007 33 4**		264
571181	**7007 35 0**		264
599561	**7007 35 2**		264
599563	**7007 35 3**		264
571182	**7007 35 4**		264
571183	**7007 35 8**		264
586364	**7007 35 9**		264
571184	**7007 36 2**		264
571187	**7007 36 6**		264
586368	**7007 36 7**		264
599562	**7007 37 3**		264
599564	**7007 37 4**		264
585090	**7007 39 8**		264
580919	**7007 40 0**		264
580920	**7007 40 4**		264
585092	**7007 46 8**		264
580921	**7007 47 0**		264
580922	**7007 47 4**		264
592738	**7027 00 1**		244

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

GTIN	Art. no.	Price	Page
		/pc.	
592739	**7027 00 3**		244
592740	**7027 00 5**		244
592741	**7027 00 7**		244
592742	**7027 00 9**		244
592745	**7027 01 1**		244
592746	**7027 01 3**		244
592747	**7027 02 1**		244
592748	**7027 02 3**		244
592751	**7027 02 5**		244
592752	**7027 02 7**		244
592753	**7027 02 9**		244
592754	**7027 03 1**		244
592758	**7027 03 3**		244
592759	**7027 04 1**		424
592760	**7027 04 3**		424
592764	**7027 04 5**		424
592765	**7027 04 7**		424
592766	**7027 04 9**		424
592767	**7027 05 1**		424
592768	**7027 05 3**		424
592769	**7027 06 1**		469
592770	**7027 06 3**		469
592771	**7027 06 5**		469
592772	**7027 06 7**		469
592773	**7027 06 9**		469
592774	**7027 07 1**		469
592775	**7027 07 3**		469
592776	**7027 08 1**		254
592777	**7027 08 3**		254
592778	**7027 08 5**		254
592779	**7027 08 7**		254
592780	**7027 08 9**		254
592781	**7027 09 1**		254
592782	**7027 09 3**		254
592783	**7027 10 1**		254
592784	**7027 10 3**		254
592785	**7027 10 5**		254
592786	**7027 10 7**		254
592787	**7027 10 9**		254
592788	**7027 11 1**		254
592789	**7027 11 3**		254
592804	**7027 16 1**		264
592805	**7027 16 3**		264
592806	**7027 16 5**		264
592807	**7027 16 7**		264
592808	**7027 16 9**		264
592809	**7027 17 1**		264
592810	**7027 17 3**		264
592815	**7027 18 1**		264
592816	**7027 18 3**		264
592817	**7027 18 5**		264
592818	**7027 18 7**		264
592819	**7027 18 9**		264
592820	**7027 19 1**		264
592821	**7027 19 3**		264
592916	**7027 24 1**		229
592917	**7027 24 3**		229
592918	**7027 24 5**		229
622381	**7061 04 8**		385
570685	**7061 05 0**		385
622387	**7061 14 5**		385
570398	**7061 14 6**		385
622393	**7061 24 2**		385
570686	**7061 24 4**		385
570687	**7061 25 2**		385
570688	**7061 36 0**		385
622405	**7061 44 7**		385
570689	**7061 44 9**		385
622411	**7061 54 4**		385
570690	**7061 54 6**		385
622417	**7061 64 1**		385
570691	**7061 64 3**		385
607997	**7070 20 5**		266
609482	**7070 20 9**		266
609488	**7070 21 3**		266
609494	**7070 21 7**		266
609500	**7070 22 1**		266
609506	**7070 22 5**		266
609512	**7070 22 9**		266
609518	**7070 23 3**		266
609524	**7070 30 6**		266
609530	**7070 31 0**		266
609536	**7070 31 4**		266
609542	**7070 31 8**		266
609548	**7070 32 2**		266
609554	**7070 32 6**		266
609560	**7070 33 0**		266
609566	**7070 33 4**		266
609572	**7070 35 3**		425
609578	**7070 36 1**		425
609584	**7070 36 5**		425
609590	**7070 36 9**		425
609596	**7070 37 3**		425
609602	**7070 38 1**		425
502152	**7070 39 0**		469
502158	**7070 39 2**		469
502160	**7070 39 4**		469
502176	**7070 39 6**		469
502171	**7070 39 8**		469
502182	**7070 40 0**		469
622807	**7075 10 3**		246
651187	**7075 15 4**		246
622813	**7075 20 0**		246
622819	**7075 30 8**		246
622825	**7075 40 5**		246
622831	**7075 50 2**		246
622837	**7075 59 6**		246
622843	**7076 09 6**		255
622849	**7076 20 7**		255
622855	**7076 30 4**		255
622861	**7076 40 1**		255
622867	**7076 50 9**		255
622873	**7076 60 6**		255
622879	**7077 10 6**		265
622885	**7077 20 3**		265
622891	**7077 30 0**		265
622897	**7077 40 8**		265
622903	**7077 50 5**		265
577891	**7077 97 2**		265
622939	**7079 10 9**		245
698498	**7079 14 1**		245
622945	**7079 20 6**		245
622951	**7079 30 3**		245
622957	**7079 40 0**		245
634363	**7079 45 1**		245
622963	**7079 50 8**		245
622969	**7079 60 5**		245
592007	**7079 60 7**		245
592008	**7079 60 9**		245
622975	**7080 10 7**		255
622981	**7080 20 4**		255
622987	**7080 30 1**		255
622993	**7080 40 9**		255
622999	**7080 50 6**		255
623005	**7080 60 3**		255
623011	**7081 10 3**		265
623017	**7081 20 0**		265
623023	**7081 30 8**		265
623029	**7081 40 5**		265
623035	**7081 50 2**		265
599588	**7081 55 5**		265
623047	**7082 00 2**		228
623053	**7082 01 0**		241
623059	**7082 02 9**		251
623065	**7082 03 7**		261
623077	**7082 22 3**		241
623083	**7082 25 8**		422
608011	**7082 26 5**		467
623089	**7082 32 0**		251
623095	**7082 43 6**		261
623101	**7083 04 1**		266
623107	**7083 10 6**		266
623113	**7083 15 7**		266
623119	**7083 20 3**		266
623125	**7083 30 0**		266
623131	**7083 40 8**		266
623137	**7083 50 5**		266
623143	**7083 55 6**		266
623149	**7083 60 2**		266
610093	**7083 61 6**		266
698372	**7083 61 8**		266
602688	**7083 62 2**		266
698294	**7083 62 6**		266
698288	**7083 63 0**		266
602425	**7083 63 4**		266
602449	**7083 63 8**		266
610099	**7083 64 0**		266
603463	**7083 64 2**		266
623203	**7084 01 3**		425
623209	**7084 04 8**		425
623215	**7084 06 4**		425
623221	**7084 08 0**		425
623227	**7084 10 2**		425
623233	**7084 12 9**		425
586633	**7084 14 1**		470
586634	**7084 14 3**		470
586635	**7084 14 5**		470
586636	**7084 14 7**		470
586637	**7084 14 9**		470
586638	**7084 15 1**		470
614677	**7084 75 7**		267
614683	**7084 76 5**		267
614689	**7084 77 3**		266
614695	**7084 78 1**		267
501224	**7084 87 0**		266
516326	**7085 10 8**		267
516330	**7085 11 1**		267
528679	**7085 11 2**		267
516331	**7085 11 4**		266
516632	**7085 13 3**		425
		/m	
650653	**7097 02 6**		386
650659	**7097 03 4**		386
650665	**7097 04 2**		386
650671	**7097 05 0**		386
650677	**7097 06 9**		386
650683	**7097 07 7**		386
650689	**7097 11 5**		386
650695	**7097 12 3**		386
650701	**7097 13 1**		386
650707	**7097 15 8**		386
650713	**7097 16 6**		386
697964	**7097 17 4**		386
650647	**7097 21 2**		386
697976	**7097 23 9**		386
698024	**7097 40 9**		386
698036	**7097 42 5**		386
698042	**7097 43 3**		386
698048	**7097 44 1**		386
650809	**7097 46 8**		386
650815	**7097 47 6**		386
570764	**7098 00 2**		388
570768	**7098 00 4**		388
570769	**7098 00 6**		388
570770	**7098 00 8**		388
570771	**7098 01 0**		388
570772	**7098 01 2**		388
570773	**7098 01 4**		388
570774	**7098 03 2**		389
570775	**7098 03 4**		389
570776	**7098 03 6**		389
570777	**7098 03 8**		389
570778	**7098 04 0**		389
570779	**7098 04 2**		389
570780	**7098 04 4**		389
570803	**7098 13 2**		389
570804	**7098 13 4**		389
570805	**7098 13 6**		389
570806	**7098 13 8**		389
570807	**7098 14 0**		389
570808	**7098 14 2**		389
570809	**7098 14 4**		389
570810	**7098 14 6**		389
570811	**7098 14 8**		389
570812	**7098 15 0**		389
570813	**7098 15 2**		389
570814	**7098 16 2**		389
570815	**7098 16 4**		389
570816	**7098 16 6**		389
570817	**7098 16 8**		389
570818	**7098 17 0**		389
570819	**7098 17 2**		389
570820	**7098 17 4**		389
570821	**7098 17 6**		389
570822	**7098 17 8**		389
570823	**7098 18 0**		389
570824	**7098 18 2**		389
570854	**7102 56 2**		387
570855	**7102 58 2**		387
630373	**7102 67 4**		386
642013	**7102 77 1**		386
650935	**7103 36 0**		387
570857	**7103 36 8**		387
650929	**7103 38 7**		387
570859	**7103 39 3**		387
598046	**7103 54 0**		388
598048	**7103 54 8**		388
598049	**7103 56 0**		388
598051	**7103 56 8**		388
658213	**7103 61 1**		207
646891	**7103 64 3**		207
570552	**7104 35 6**		382
570553	**7104 35 8**		382
623971	**7104 36 7**		208
623977	**7104 66 9**		208
623983	**7104 96 0**		208
623995	**7105 66 5**		207
570556	**7105 67 3**		382
624001	**7105 96 7**		207
608393	**7106 12 4**		241
602473	**7106 12 6**		241
603469	**7106 13 0**		241
608394	**7106 13 6**		241
698852	**7107 14 5**		241
624067	**7107 31 5**		251
624073	**7107 33 1**		251
624079	**7107 36 6**		251
624085	**7107 38 2**		251
624091	**7107 40 4**		251
624097	**7107 42 0**		251
624103	**7107 45 5**		261
624109	**7107 47 1**		261
624115	**7107 50 1**		261
624121	**7107 53 6**		261
624127	**7107 55 2**		261
599552	**7107 56 2**		261
570779	**7098 04 2**	/m	389
570780	**7098 04 4**		389
570803	**7098 13 2**		389
570804	**7098 13 4**		389
570805	**7098 13 6**		389
570806	**7098 13 8**		389
570807	**7098 14 0**		389
570808	**7098 14 2**		389
570809	**7098 14 4**		389
570810	**7098 14 6**		389
570811	**7098 14 8**		389
570812	**7098 15 0**		389
570813	**7098 15 2**		389
570814	**7098 16 2**		389
570815	**7098 16 4**		389
570816	**7098 16 6**		389
570817	**7098 16 8**		389
570818	**7098 17 0**		389
570819	**7098 17 2**		389
570820	**7098 17 4**		389
570821	**7098 17 6**		389
570822	**7098 17 8**		389
570823	**7098 18 0**		389
570824	**7098 18 2**		389
570854	**7102 56 2**		387
570855	**7102 58 2**		387
630373	**7102 67 4**		386
642013	**7102 77 1**		386
650935	**7103 36 0**	/pc.	387
570857	**7103 36 8**		387
650929	**7103 38 7**		387
570859	**7103 39 3**		387
598046	**7103 54 0**		388
598048	**7103 54 8**		388
598049	**7103 56 0**		388
598051	**7103 56 8**		388
658213	**7103 61 1**	/m	207
646891	**7103 64 3**		207
570552	**7104 35 6**		382
570553	**7104 35 8**		382
623971	**7104 36 7**		208
623977	**7104 66 9**		208
623983	**7104 96 0**		208
623995	**7105 66 5**		207
570556	**7105 67 3**		382
624001	**7105 96 7**		207
608393	**7106 12 4**		241
602473	**7106 12 6**		241
603469	**7106 13 0**		241
608394	**7106 13 6**		241
698852	**7107 14 5**		241
624067	**7107 31 5**		251
624073	**7107 33 1**		251
624079	**7107 36 6**		251
624085	**7107 38 2**		251
624091	**7107 40 4**		251
624097	**7107 42 0**		251
624103	**7107 45 5**		261
624109	**7107 47 1**		261
624115	**7107 50 1**		261
624121	**7107 53 6**		261
624127	**7107 55 2**		261
599552	**7107 56 2**		261
570854	**7102 56 2**	/pc.	387
570855	**7102 58 2**		387
630373	**7102 67 4**		386
642013	**7102 77 1**		386
650935	**7103 36 0**		387
570857	**7103 36 8**		387
650929	**7103 38 7**		387
570859	**7103 39 3**		387
598046	**7103 54 0**		388
598048	**7103 54 8**		388
598049	**7103 56 0**		388
598051	**7103 56 8**		388
658213	**7103 61 1**	/m	207
646891	**7103 64 3**		207
570552	**7104 35 6**		382
570553	**7104 35 8**		382
623971	**7104 36 7**		208
623977	**7104 66 9**		208
623983	**7104 96 0**		208
623995	**7105 66 5**		207
570556	**7105 67 3**		382
624001	**7105 96 7**		207
608393	**7106 12 4**		241
602473	**7106 12 6**		241
603469	**7106 13 0**		241
608394	**7106 13 6**		241
698852	**7107 14 5**		241
624067	**7107 31 5**		251
624073	**7107 33 1**		251
624079	**7107 36 6**		251
624085	**7107 38 2**		251
624091	**7107 40 4**		251
624097	**7107 42 0**		251
624103	**7107 45 5**		261
624109	**7107 47 1**		261
624115	**7107 50 1**		261
624121	**7107 53 6**		261
624127	**7107 55 2**		261
599552	**7107 56 2**		261

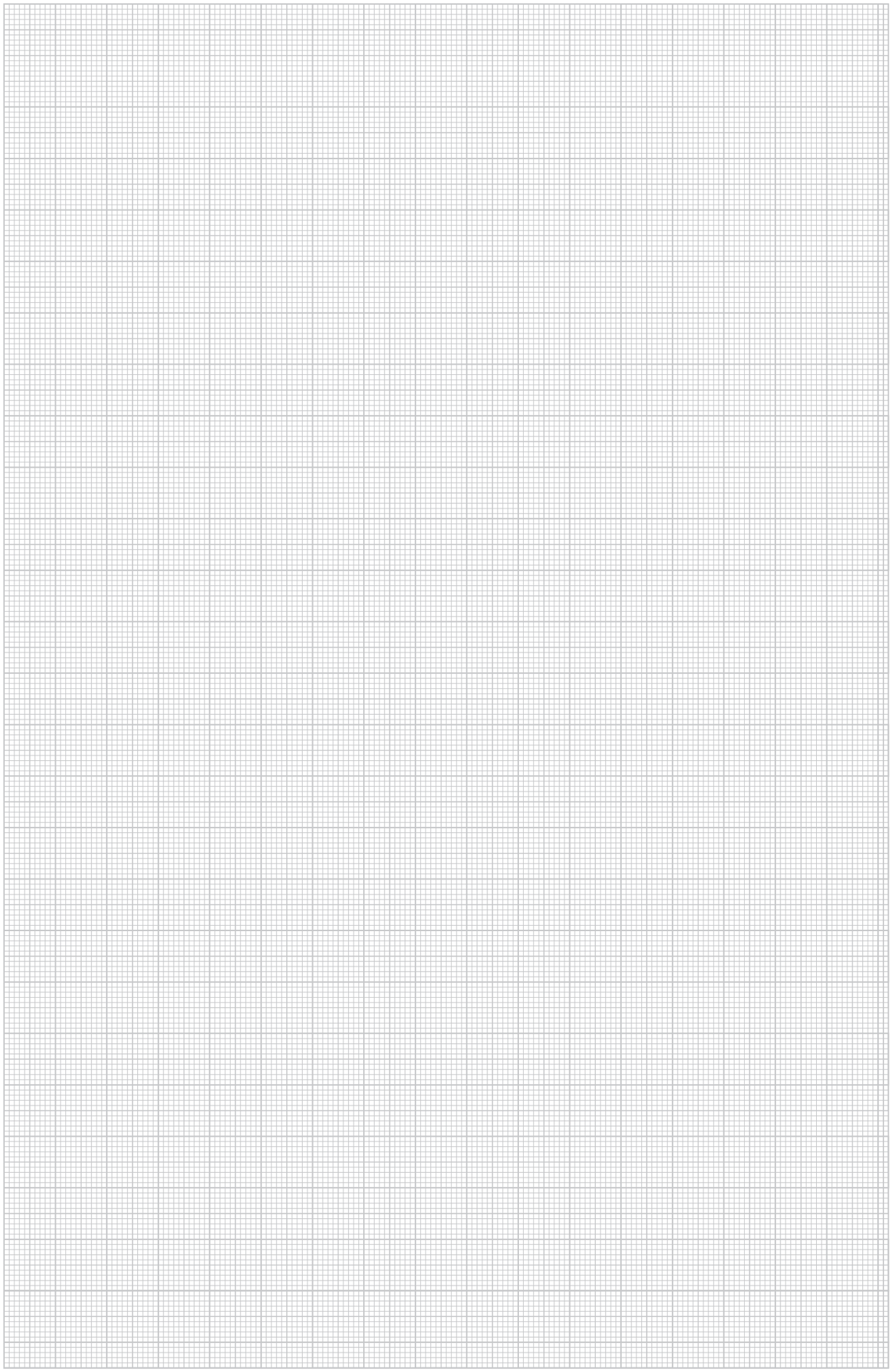
04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page	GTIN	Art. no.	Price	Page
		/pc.				/pc.				/pc.				/pc.	
624139	**7108 05 2**		228	504755	**7130 80 1**		270	580927	**7131 51 8**		270	592932	**7138 58 2**		426
624145	**7108 10 9**		228	504756	**7130 80 5**		270	587440	**7131 52 4**		270	592933	**7138 59 0**		471
624151	**7108 20 6**		228	504757	**7130 80 9**		270	587441	**7131 52 7**		270	592934	**7138 59 2**		471
624157	**7108 31 1**		228	504758	**7130 81 3**		270	599577	**7131 55 4**		272	592935	**7138 59 4**		471
				504761	**7130 81 7**		270	585096	**7131 55 6**		272	592936	**7138 59 6**		471
624163	**7109 10 5**		241	504762	**7130 82 1**		270	580928	**7131 56 0**		272	592937	**7138 59 8**		471
				504763	**7130 82 5**		270	587477	**7131 56 4**		272	592938	**7138 60 0**		471
624169	**7109 15 6**		241	504764	**7130 82 9**		270	580929	**7131 56 8**		272	592939	**7138 60 2**		471
				504767	**7130 84 7**		271	587478	**7131 57 2**		272	593058	**7138 64 0**		269
624175	**7109 20 2**		241	504768	**7130 85 2**		271	599578	**7131 57 6**		272	593059	**7138 64 2**		269
624181	**7109 29 6**		241	504769	**7130 85 6**		271	587442	**7131 59 0**		271	593060	**7138 64 4**		269
624187	**7109 40 7**		241	504770	**7130 86 0**		271	587443	**7131 59 2**		271	593061	**7138 64 6**		269
624193	**7109 50 4**		241	504773	**7130 86 4**		271	587444	**7131 59 4**		271	593062	**7138 64 8**		269
624199	**7109 60 1**		241	504774	**7130 86 8**		271	587448	**7131 59 6**		271	593063	**7138 65 0**		269
				504775	**7130 87 2**		271	587449	**7131 60 0**		271	593064	**7138 65 2**		269
624205	**7109 81 4**		423	504776	**7130 87 6**		271	587450	**7131 63 0**		271	593065	**7138 68 0**		269
624211	**7109 83 0**		423	568860	**7130 90 5**		427	587454	**7131 63 2**		271	593066	**7138 68 2**		269
624217	**7109 85 7**		423					587455	**7131 63 4**		271	593067	**7138 68 4**		269
624223	**7109 87 3**		423	599579	**7130 90 6**		427	587456	**7131 63 6**		271	593068	**7138 68 6**		269
624229	**7109 90 3**		423					587460	**7131 64 0**		271	593069	**7138 68 8**		269
624235	**7109 93 8**		423	588630	**7130 90 7**		427	587461	**7131 64 4**		271	593070	**7138 69 0**		269
				588632	**7130 90 9**		427	587462	**7131 64 8**		271	593071	**7138 69 2**		269
				588636	**7130 91 1**		427	587466	**7131 65 2**		271	593072	**7138 72 0**		427
624241	**7110 10 3**		251	588638	**7130 91 3**		427	587467	**7131 67 2**		271	593075	**7138 72 2**		427
624247	**7110 20 0**		251	588641	**7130 91 5**		427	599574	**7131 67 4**		271	593076	**7138 72 4**		427
624253	**7110 30 8**		251	588646	**7130 92 0**		471	587468	**7131 67 6**		271	593077	**7138 72 6**		427
624259	**7110 40 5**		251					587471	**7131 68 0**		271	593078	**7138 72 8**		427
624265	**7110 50 2**		251	599580	**7130 92 1**		471	587472	**7131 68 4**		271	593079	**7138 73 0**		427
624271	**7110 61 8**		251					587473	**7131 68 8**		271	593080	**7138 73 2**		427
				588649	**7130 92 2**		471	587474	**7131 69 2**		271	593081	**7138 74 0**		471
624277	**7111 09 6**		261	588651	**7130 92 4**		471					593082	**7138 74 2**		471
624289	**7111 20 7**		261	588652	**7130 92 6**		471					593083	**7138 74 4**		471
624301	**7111 30 4**		261	588655	**7130 92 8**		471	625849	**7138 11 3**		425	593084	**7138 74 6**		471
624313	**7111 42 8**		261	588656	**7130 93 0**		471	625855	**7138 12 1**		425	593085	**7138 74 8**		471
624319	**7111 50 9**		261	568861	**7130 95 2**		427	625861	**7138 14 8**		425	593086	**7138 75 0**		471
								625867	**7138 15 6**		425	593087	**7138 75 2**		471
599551	**7111 74 0**		261	599581	**7130 95 3**		427	625873	**7138 16 4**		425	593088	**7138 79 0**		270
								625879	**7138 17 2**		425	593089	**7138 79 2**		270
				588625	**7130 95 4**		427	592875	**7138 36 0**		269	593090	**7138 79 4**		270
681313	**7121 10 9**		280	588626	**7130 95 6**		427	592876	**7138 36 2**		269	593091	**7138 79 6**		270
681319	**7121 21 0**		280	588627	**7130 95 8**		427	592877	**7138 36 4**		269	593092	**7138 79 8**		270
681325	**7121 31 8**		280	588628	**7130 96 0**		427	592878	**7138 36 6**		269	593093	**7138 80 0**		270
624637	**7121 40 7**		280	588629	**7130 96 2**		427	592879	**7138 36 8**		269	593094	**7138 80 2**		270
624643	**7121 50 4**		280	588631	**7130 97 2**		472	592881	**7138 37 0**		269	593095	**7138 83 0**		270
624649	**7121 60 1**		280					592882	**7138 37 2**		269	593096	**7138 83 2**		270
				599582	**7130 97 3**		472	592883	**7138 40 0**		269	593100	**7138 83 4**		270
681349	**7123 11 6**		280					592884	**7138 40 2**		269	593101	**7138 83 6**		270
681355	**7123 21 3**		280	588635	**7130 97 4**		472	592886	**7138 40 4**		269	593102	**7138 83 8**		270
681367	**7123 31 0**		280	588637	**7130 97 6**		472	592887	**7138 40 6**		269	593105	**7138 84 0**		270
624709	**7123 39 6**		280	588642	**7130 97 8**		472	592888	**7138 40 8**		269	593106	**7138 84 2**		270
624715	**7123 50 7**		280	588643	**7130 98 0**		472	592890	**7138 41 0**		269	593107	**7138 86 0**		427
624721	**7123 55 8**		280	588644	**7130 98 2**		472	592891	**7138 41 2**		269	593108	**7138 86 2**		427
				571196	**7130 99 0**		271	592894	**7138 43 0**		426	593111	**7138 86 4**		427
681409	**7125 10 0**		279					592895	**7138 43 2**		426	593112	**7138 86 6**		427
681415	**7125 22 0**		279	599573	**7130 99 2**		271	592896	**7138 43 4**		426	593113	**7138 86 8**		427
681433	**7125 30 5**		279					592897	**7138 43 6**		426	593114	**7138 87 0**		427
624769	**7125 41 0**		279	571199	**7130 99 4**		271	592898	**7138 43 8**		426	593115	**7138 87 2**		427
				571200	**7130 99 8**		271	592899	**7138 44 0**		426	593116	**7138 88 0**		471
696290	**7125 46 1**		243					592900	**7138 44 2**		426	593117	**7138 88 2**		471
				571201	**7131 00 2**		271	592901	**7138 45 0**		470	593118	**7138 88 4**		471
624775	**7125 52 6**		279	571202	**7131 00 6**		271	592902	**7138 45 2**		470	593119	**7138 88 6**		471
624781	**7125 58 5**		279	571203	**7131 01 0**		271	592903	**7138 45 4**		470	593120	**7138 88 8**		471
				571204	**7131 03 0**		272	592904	**7138 45 6**		470	593123	**7138 89 0**		471
591996	**7125 58 6**		243					592905	**7138 45 8**		470	593124	**7138 89 2**		471
591997	**7125 58 8**		243	599575	**7131 03 2**		272	592906	**7138 46 0**		470	593125	**7138 93 0**		270
								592907	**7138 46 2**		470	593126	**7138 93 2**		270
				571205	**7131 03 4**		272	592909	**7138 50 0**		269	593127	**7138 93 4**		270
681469	**7127 10 3**		279	571206	**7131 03 8**		272	592910	**7138 50 2**		269	593128	**7138 93 6**		270
681475	**7127 22 7**		279	571207	**7131 04 2**		272	592911	**7138 50 4**		269	593129	**7138 93 8**		270
681481	**7127 32 0**		279	571208	**7131 04 6**		272	592912	**7138 50 6**		269	593130	**7138 94 0**		270
624841	**7127 41 3**		280					592913	**7138 50 8**		269	593131	**7138 94 2**		270
624847	**7127 49 9**		280	599576	**7131 05 2**		272	592914	**7138 51 0**		269	593132	**7138 97 0**		270
624853	**7127 54 5**		280					592915	**7138 51 2**		269	593135	**7138 97 2**		270
				507929	**7131 45 0**		281	592919	**7138 54 0**		269	593136	**7138 97 4**		270
507918	**7130 74 1**		281	507930	**7131 45 2**		281	592920	**7138 54 2**		269	593137	**7138 97 6**		270
507919	**7130 74 3**		281	507931	**7131 45 4**		281	592921	**7138 54 4**		269	593138	**7138 97 8**		270
507920	**7130 74 5**		281	507932	**7131 45 6**		281	592922	**7138 54 6**		269	593139	**7138 98 0**		270
507923	**7130 74 7**		281	507935	**7131 45 8**		281	592923	**7138 54 8**		269	593140	**7138 98 2**		270
507924	**7130 74 9**		281	507936	**7131 46 0**		281	592924	**7138 55 0**		269				
507925	**7130 75 1**		281	507937	**7131 46 2**		281	592925	**7138 55 2**		269	593141	**7139 02 0**		427
507926	**7130 75 3**		281					592926	**7138 57 0**		426	593142	**7139 02 2**		427
571189	**7130 76 0**		271	587437	**7131 50 6**		270	592927	**7138 57 2**		426	593143	**7139 02 4**		427
571190	**7130 76 4**		271	585091	**7131 50 8**		270	592928	**7138 57 4**		426	593144	**7139 02 6**		427
571193	**7130 76 8**		271	587438	**7131 50 9**		270	592929	**7138 57 6**		426	593145	**7139 02 8**		427
571194	**7130 77 2**		271	580926	**7131 51 0**		270	592930	**7138 57 8**		426	593146	**7139 03 0**		427
571195	**7130 77 6**		271	587439	**7131 51 4**		270	592931	**7138 58 0**		426	593147	**7139 03 2**		427

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554

GTIN	Art. no.	Price	Page
		/pc.	
593148	**7139 04 0**		471
593149	**7139 04 2**		471
593150	**7139 04 4**		471
593151	**7139 04 6**		471
593152	**7139 04 8**		471
593153	**7139 05 0**		471
593154	**7139 05 2**		471
625999	**7160 04 6**		438
626005	**7160 05 4**		438
626011	**7160 06 2**		438
626017	**7160 08 9**		438
626023	**7160 09 7**		438
567541	**7160 10 2**		479
567542	**7160 10 3**		479
567546	**7160 10 4**		479
567547	**7160 10 5**		479
567548	**7160 10 6**		479
626107	**7162 02 2**		439
626113	**7162 04 9**		439
626119	**7162 05 7**		439
626125	**7162 07 3**		439
626131	**7162 08 1**		439
567552	**7162 10 2**		479
567553	**7162 10 3**		479
567554	**7162 10 4**		479
567558	**7162 10 5**		479
567559	**7162 10 6**		479
626179	**7164 01 7**		439
626185	**7164 02 5**		439
626191	**7164 03 3**		439
626197	**7164 04 1**		439
626203	**7164 06 8**		439
584891	**7194 11 5**		353
585820	**7194 11 7**		353
586611	**7195 55 0**		395
586612	**7195 55 2**		395
595864	**7195 55 3**		395

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 / LLExport_01554



Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
192	1200 / St / DD	6209774	6490 90 5		390
197 VA4301	1800 / V2A	6209835	6490 96 4		390
342 M10X20 G	M10 x 20 20 / St / G	5256816	3160 20 3		213
342 M10X30 G	M10 x 30 30 / St / G	5256939	3160 30 0		213
342 M10X40 G	M10 x 40 40 / St / G	5257059	3160 40 8		213
342 M10X50 G	M10 x 50 50 / St / G	5257110	3160 50 5		213
342 M10X60 G	M10 x 60 60 / St / G	5257172	3160 60 2		213
342 M12X30 G	M12 x 30 30 / St / G	5257592	3162 30 3		213
342 M12X40 G	M12 x 40 40 / St / G	5257714	3162 40 0		213
342 M12X50 G	M12 x 50 50 / St / G	5257776	3162 50 8		213
342 M8X20 G	M8 x 20 20 / St / G	5256212	3158 20 9		213
342 M8X25 G	M8 x 25 25 / St / G	5256274	3158 24 1		213
342 M8X30 G	M8 x 30 30 / St / G	5256335	3158 30 6		213
574 03 30 BA	17 x 1.0 300 / V2A	6209538	6490 10 7		390
574 03 30 SW	17 x 1.0 300 / V2A	5705475	6490 11 1		390
574 03 45 BA	17 x 1.0 450 / V2A	6209590	6490 12 3		390
574 03 45 STGR	17 x 1.0 450 / St / G	5705482	6490 12 5		390
574 03 45 SW	17 x 1.0 450 / V2A	5705499	6490 12 7		390
574 03 55 STGR	17 x 1.0 550 / St / G	5705505	6490 13 5		390
574 03 55 SW	17 x 1.0 550 / V2A	5705895	6490 13 7		390
574 03 65 STGR	17 x 1.0 650 / St / G	5705512	6490 14 5		390
574 03 65 SW	17 x 1.0 650 / V2A	5705901	6490 14 7		390
				/100 m	
574 03 BA	17 x 1.0 2,25 / V2A	6209415	6490 03 4		390
574 03 BR	17 x 1.0 2,25 / V4A	5705888	6490 02 8		390
574 03 SW	17 x 1.0 2,25 / V2A	6498079	6490 02 6		390
				/100 pc.	
574 05 55 GNBG	16.5 x 1.2 550 / V2A	6209651	6490 15 8		390
574 05 65 GNBG	16.5 x 1.2 650 / V2A	6209712	6490 17 4		390
				/100 m	
574 G STGR	17 x 1.0 1,35 / St / G	6209354	6490 01 8		389
				/pc.	
575	/ St	6209897	6498 01 9		391
576	/ St	6209958	6498 02 7		391
				/100 pc.	
946 3 G	32 1,5 / St / G	5413950	5301 03 3		378
947 3 F	32 0 / TG / F	5414551	5302 02 1		378
948 TG6	M6 6 / ST / G	5513315	3453 82 0		158
948 TG6	M6 6 / ST / G	5513315	3453 82 0		376
				/100 m	
957 3 G	5,2 9 / St / G	5414971	5303 20 6		377
				/100 pc.	
964 M10 G30 G	M10 10,5 / ST / G	5868330	3403 16 5		215
964 M10 G30 V2A	10,5 30-30 / V2A	5944393	3403 15 5		215
964 M10 G40 V2A	10,5 40-40 / V2A	5946298	3403 17 5		215
964 M4 G15 G	M4 4,3 / ST / G	5867913	3403 02 5		215
964 M5 G20 G	M5 5,3 / ST / G	5867975	3403 04 1		215
964 M6 G20 G	M6 6,4 / ST / G	5868033	3403 07 6		215
964 M6 G25 G	M6 6,4 / ST / G	5868095	3403 08 4		215
964 M6 G30 G	M6 6,4 / ST / G	5868156	3403 09 2		215
964 M8 G20 G	M8 8,4 / ST / G	5868217	3403 12 2		215
964 M8 G20 V2A	8,4 20-20 / V2A	5944348	3403 12 5		215
964 M8 G25 G	M8 8,4 / ST / G	5868279	3403 13 0		215
964 M8 G25 V2A	8,4 25-25 / V2A	5944386	3403 13 5		215
964 M8 G40 V2A	8,5 40-40 / V2A	5946250	3403 14 5		215
966 M10 F	M10 11 / ST / F	5300854	3402 46 0		214
966 M10 G	M10 10,5 / ST / G	5300137	3402 09 6		214
966 M10 VA	M10 10,5 / V2A	5300618	3402 32 0		214
966 M10 VA	M10 10,5 / V2A	5300618	3402 32 0		416
966 M12 F	M12 13,5 / ST / F	5300915	3402 47 9		214
966 M12 G	M12 13 / ST / G	5300199	3402 12 6		214
966 M12 VA	M12 13 / V2A	5300670	3402 33 9		214
966 M12 VA	M12 13 / V2A	5300670	3402 33 9		416
966 M6 F	M6 6,6 / ST / F	5300731	3402 44 4		214
966 M6 G	M6 6,4 / ST / G	5300014	3402 06 1		214
966 M6 VA	M6 6,4 / V2A	5300496	3402 30 4		214
966 M6 VA	M6 6,4 / V2A	5300496	3402 30 4		416
966 M8 F	M8 9 / ST / F	5300793	3402 45 2		214
966 M8 G	M8 8,4 / ST / G	5300076	3402 08 8		214
966 M8 VA	M8 8,4 / V2A	5300557	3402 31 2		214
966 M8 VA	M8 8,4 / V2A	5300557	3402 31 2		416
967 M10 G	M10 1400 / St / G	5300434	3402 22 3		214
967 M6 G	M6 1000 / St / G	5300311	3402 20 7		214
967 M8 G	M8 1400 / St / G	5300373	3402 21 5		214
2056 100 FT	90-100 / ST / FT	5065296	1160 99 0		358
2056 12 ALU	8-12 / Al	5077299	1183 20 6		359
2056 12 FT	8-12 / ST / FT	5064459	1160 12 5		358
2056 12 VA	8-12 / V2A	5063612	1159 51 8		448
2056 16 ALU	12-16 / Al	5077350	1183 21 4		359
2056 16 FT	12-16 / ST / FT	5064510	1160 16 8		358
2056 16 VA	12-16 / V2A	5063674	1159 52 6		448
2056 2 12 ALU	8-12 / Al	5435495	1183 38 9		360
2056 2 12 FT	8-12 / ST / FT	5065357	1161 12 1		358
2056 2 16 ALU	12-16 / Al	5435556	1183 39 7		360
2056 2 16 FT	12-16 / ST / FT	5065418	1161 16 4		358
2056 2 22 ALU	16-22 / Al	5435617	1183 40 0		360
2056 2 22 FT	16-22 / ST / FT	5065470	1161 22 9		358
2056 2 28 ALU	22-28 / Al	5435679	1183 41 9		360
2056 2 28 FT	22-28 / ST / FT	5065531	1161 28 8		358
2056 2 34 ALU	28-34 / Al	5435730	1183 42 7		360
2056 2 34 FT	28-34 / ST / FT	5065593	1161 34 2		358
2056 2 40 ALU	34-40 / Al	5435792	1183 43 5		360
2056 2 40 FT	34-40 / ST / FT	5065654	1161 40 7		358
2056 2 46 ALU	40-46 / Al	5435853	1183 44 3		360
2056 2 46 FT	40-46 / ST / FT	5065715	1161 46 6		358
2056 2 52 ALU	46-52 / Al	5435914	1183 45 1		360
2056 2 52 FT	46-52 / ST / FT	5065777	1161 52 0		358
2056 2 58 ALU	52-58 / Al	5435976	1183 47 8		360
2056 2 58 FT	52-58 / ST / FT	5065838	1161 57 1		358
2056 2 64 FT	58-64 / ST / FT	5065890	1161 64 4		358
2056 22 ALU	16-22 / Al	5077411	1183 22 2		359
2056 22 FT	16-22 / ST / FT	5064572	1160 22 2		358
2056 22 VA	16-22 / V2A	5063735	1159 53 4		448
2056 28 ALU	22-28 / Al	5077473	1183 23 0		359
2056 28 FT	22-28 / ST / FT	5064633	1160 28 1		358
2056 28 VA	22-28 / V2A	5063797	1159 54 2		448
2056 3 12 FT	8-12 / ST / FT	5066972	1162 12 8		359
2056 3 16 FT	12-16 / ST / FT	5067030	1162 16 0		359
2056 3 22 FT	16-22 / ST / FT	5067092	1162 22 5		359
2056 3 28 FT	22-28 / ST / FT	5067153	1162 28 4		359
2056 3 34 FT	28-34 / ST / FT	5067214	1162 34 9		359
2056 3 40 FT	34-40 / ST / FT	5067276	1162 40 3		359
2056 3 46 FT	40-46 / ST / FT	5067337	1162 46 2		359
2056 34 ALU	28-34 / Al	5077534	1183 24 9		359
2056 34 FT	28-34 / ST / FT	5064695	1160 34 6		358
2056 34 VA	28-34 / V2A	5063858	1159 55 0		448
2056 40 ALU	34-40 / Al	5077596	1183 25 7		359
2056 40 FT	34-40 / ST / FT	5064756	1160 40 0		358
2056 40 VA	34-40 / V2A	5063919	1159 56 9		448
2056 46 ALU	40-46 / Al	5077657	1183 26 5		359
2056 46 FT	40-46 / ST / FT	5064817	1160 45 1		358
2056 46 VA	40-46 / V2A	5063971	1159 57 7		448
2056 52 ALU	46-52 / Al	5077718	1183 27 3		359
2056 52 FT	46-52 / ST / FT	5064879	1160 52 4		358
2056 52 VA	46-52 / V2A	5064039	1159 58 5		448
2056 58 ALU	52-58 / Al	5077770	1183 28 1		359
2056 58 FT	52-58 / ST / FT	5064930	1160 58 3		358
2056 58 VA	52-58 / V2A	5064091	1159 59 3		448
2056 64 ALU	58-64 / Al	5077831	1183 30 3		359
2056 64 FT	58-64 / ST / FT	5064992	1160 64 8		358
2056 64 VA	58-64 / V2A	5064152	1159 60 7		448
2056 70 ALU	64-70 / Al	5435310	1183 31 1		359
2056 70 FT	64-70 / ST / FT	5065050	1160 70 2		358
2056 70 VA	64-70 / V2A	5064213	1159 61 5		448
2056 76 ALU	70-76 / Al	5435372	1183 33 8		359
2056 76 FT	70-76 / ST / FT	5065111	1160 76 1		358
2056 76 VA	70-76 / V2A	5064275	1159 62 3		448
2056 82 FT	76-82 / ST / FT	5065173	1160 82 6		358
2056 90 FT	82-90 / ST / FT	5065234	1160 90 7		358
2056 M 100 FT	90-100 / ST / FT	5063551	1156 16 0		360
2056 M 12 FT	8-12 / ST / FT	5062714	1156 00 4		360
2056 M 12 VA	8-12 / V2A	5668190	1159 71 2		449
2056 M 16 FT	12-16 / ST / FT	5062776	1156 01 2		360
2056 M 16 VA	12-16 / V2A	5668206	1159 71 6		449
2056 M 22 FT	16-22 / ST / FT	5062837	1156 02 0		360
2056 M 22 VA	16-22 / V2A	5668213	1159 72 2		449
2056 M 28 FT	22-28 / ST / FT	5062899	1156 03 9		360
2056 M 28 VA	22-28 / V2A	5668220	1159 72 8		449
2056 M 34 FT	28-34 / ST / FT	5062950	1156 04 7		360
2056 M 34 VA	28-34 / V2A	5668268	1159 73 4		449
2056 M 40 FT	34-40 / ST / FT	5063018	1156 05 5		360
2056 M 40 VA	34-40 / V2A	5668275	1159 74 0		449
2056 M 46 FT	40-46 / ST / FT	5063070	1156 06 3		360
2056 M 46 VA	40-46 / V2A	5668282	1159 74 6		449
2056 M 52 FT	46-52 / ST / FT	5063131	1156 07 1		360

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /100 pc.	Page
2056 M 52 VA	46-52 / V2A	5668299	1159 75 2		449
2056 M 58 FT	52-58 / ST / FT	5063193	1156 09 8		360
2056 M 58 VA	52-58 / V2A	5668305	1159 75 8		449
2056 M 64 FT	58-64 / ST / FT	5063254	1156 10 1		360
2056 M 64 VA	58-64 / V2A	5668312	1159 76 4		449
2056 M 70 FT	64-70 / ST / FT	5063315	1156 12 8		360
2056 M 70 VA	64-70 / V2A	5668329	1159 77 0		449
2056 M 76 FT	70-76 / ST / FT	5063377	1156 13 6		360
2056 M 76 VA	70-76 / V2A	5668336	1159 77 6		449
2056 M 82 FT	76-82 / ST / FT	5063438	1156 14 4		360
2056 M 90 FT	82-90 / ST / FT	5063490	1156 15 2		360
2056 M2 12 VA	8-12 / V2A	5668343	1161 91 2		449
2056 M2 16 VA	12-16 / V2A	5668381	1161 91 6		449
2056 M2 22 VA	16-22 / V2A	5668398	1161 92 2		449
2056 M2 28 VA	22-28 / V2A	5668404	1161 92 8		449
2056 M2 34 VA	28-34 / V2A	5668442	1161 93 4		449
2056 M2 40 VA	34-40 / V2A	5668459	1161 94 0		449
2056 M2 46 VA	40-46 / V2A	5668466	1161 94 6		449
2056 M2 52 VA	46-52 / V2A	5668503	1161 95 2		449
2056 M2 58 VA	52-58 / V2A	5668510	1161 95 8		449
2056 M2 64 VA	58-64 / V2A	5668527	1161 96 4		449
2056F 12 FT	8-12 / ST / FT	5070634	1169 12 2		363
2056F 16 FT	12-16 / ST / FT	5070696	1169 16 5		363
2056F 2 12 FT	8-12 / ST / FT	5071532	1170 12 0		364
2056F 2 16 FT	12-16 / ST / FT	5071594	1170 16 3		364
2056F 2 22 FT	16-22 / ST / FT	5071655	1170 22 8		364
2056F 2 28 FT	22-28 / ST / FT	5071716	1170 28 7		364
2056F 2 34 FT	28-34 / ST / FT	5071778	1170 34 1		364
2056F 2 40 FT	34-40 / ST / FT	5071839	1170 40 6		364
2056F 2 46 FT	40-46 / ST / FT	5071891	1170 46 5		364
2056F 2 52 FT	46-52 / ST / FT	5071952	1170 51 1		364
2056F 22 FT	16-22 / ST / FT	5070757	1169 21 1		363
2056F 28 FT	22-28 / ST / FT	5070818	1169 28 9		363
2056F 34 FT	28-34 / ST / FT	5070870	1169 34 3		363
2056F 40 FT	34-40 / ST / FT	5070931	1169 40 8		363
2056F 46 FT	40-46 / ST / FT	5070993	1169 46 7		363
2056F 52 FT	46-52 / ST / FT	5071051	1169 52 1		363
2056F 58 FT	52-58 / ST / FT	5071112	1169 58 0		363
2056F 64 FT	58-64 / ST / FT	5071174	1169 64 5		363
2056F 70 FT	64-70 / ST / FT	5071235	1169 69 6		363
2056F 76 FT	70-76 / ST / FT	5071297	1169 76 9		363
2056F 82 FT	76-82 / ST / FT	5071358	1169 82 3		363
2056F 90 FT	82-90 / ST / FT	5071419	1169 90 4		363
2056N 12 FT	8-12 / ST / FT	5067399	1163 12 4		357
2056N 16 FT	12-16 / ST / FT	5067450	1163 16 7		357
2056N 2 12 FT	8-12 / ST / FT	5068297	1164 12 0		357
2056N 2 16 FT	12-16 / ST / FT	5068358	1164 16 3		357
2056N 2 22 FT	16-22 / ST / FT	5068419	1164 22 8		357
2056N 2 28 FT	22-28 / ST / FT	5068471	1164 28 7		357
2056N 2 34 FT	28-34 / ST / FT	5068532	1164 34 1		357
2056N 2 40 FT	34-40 / ST / FT	5068594	1164 40 6		357
2056N 2 46 FT	40-46 / ST / FT	5068655	1164 46 5		357
2056N 2 52 FT	46-52 / ST / FT	5068716	1164 51 1		357
2056N 2 58 FT	52-58 / ST / FT	5068778	1164 58 9		357
2056N 22 FT	16-22 / ST / FT	5067511	1163 22 1		357
2056N 28 FT	22-28 / ST / FT	5067573	1163 28 0		357
2056N 34 FT	28-34 / ST / FT	5067634	1163 34 5		357
2056N 40 FT	34-40 / ST / FT	5067696	1163 39 6		357
2056N 46 FT	40-46 / ST / FT	5067757	1163 46 9		357
2056N 52 FT	46-52 / ST / FT	5067818	1163 52 3		357
2056N 58 FT	52-58 / ST / FT	5067870	1163 58 2		357
2056N 64 FT	58-64 / ST / FT	5067931	1163 64 7		357
2056N 70 FT	64-70 / ST / FT	5067993	1163 70 1		357
2056U 100 FT	90-100 / ST / FT	5073574	1175 99 8		361
2056U 12 FT	8-12 / ST / FT	5072737	1175 12 2		361
2056U 12 VA	8-12 / V2A	5074595	1178 50 4		450
2056U 16 FT	12-16 / ST / FT	5072799	1175 16 5		361
2056U 16 VA	12-16 / V2A	5074656	1178 51 2		450
2056U 2 12 FT	8-12 / ST / FT	5073635	1176 12 9		361
2056U 2 16 FT	12-16 / ST / FT	5073697	1176 16 1		361
2056U 2 22 FT	16-22 / ST / FT	5073758	1176 22 6		361
2056U 2 28 FT	22-28 / ST / FT	5073819	1176 28 5		361
2056U 2 34 FT	28-34 / ST / FT	5073871	1176 33 1		361
2056U 2 40 FT	34-40 / ST / FT	5073932	1176 40 4		361
2056U 2 46 FT	40-46 / ST / FT	5073994	1176 46 3		361
2056U 2 52 FT	46-52 / ST / FT	5074052	1176 52 8		361
2056U 2 58 FT	52-58 / ST / FT	5074113	1176 58 7		361
2056U 22 FT	16-22 / ST / FT	5072850	1175 21 1		361
2056U 22 VA	16-22 / V2A	5074717	1178 52 0		450
2056U 28 FT	22-28 / ST / FT	5072911	1175 28 9		361
2056U 28 VA	22-28 / V2A	5074779	1178 53 9		450
2056U 3 12 FT	8-12 / ST / FT	5074175	1177 12 5		362
2056U 3 16 FT	12-16 / ST / FT	5074236	1177 16 8		362
2056U 3 22 FT	16-22 / ST / FT	5074298	1177 22 2		362
2056U 3 28 FT	22-28 / ST / FT	5074359	1177 28 1		362
2056U 3 34 FT	28-34 / ST / FT	5074410	1177 34 6		362
2056U 3 40 FT	34-40 / ST / FT	5074472	1177 40 0		362
2056U 3 46 FT	40-46 / ST / FT	5074533	1177 45 1		362
2056U 34 FT	28-34 / ST / FT	5072973	1175 34 3		361
2056U 34 VA	28-34 / V2A	5074830	1178 54 7		450
2056U 40 FT	34-40 / ST / FT	5073031	1175 40 8		361
2056U 40 VA	34-40 / V2A	5074892	1178 55 5		450
2056U 46 FT	40-46 / ST / FT	5073093	1175 46 7		361
2056U 46 VA	40-46 / V2A	5074953	1178 56 3		450
2056U 52 FT	46-52 / ST / FT	5073154	1175 52 1		361
2056U 52 VA	46-52 / V2A	5075011	1178 57 1		450
2056U 58 FT	52-58 / ST / FT	5073215	1175 58 0		361
2056U 58 VA	52-58 / V2A	5075073	1178 59 8		450
2056U 64 FT	58-64 / ST / FT	5073277	1175 64 5		361
2056U 64 VA	58-64 / V2A	5075134	1178 60 1		450
2056U 70 FT	64-70 / ST / FT	5073338	1175 69 6		361
2056U 70 VA	64-70 / V2A	5075196	1178 62 8		450
2056U 76 FT	70-76 / ST / FT	5073390	1175 76 9		361
2056U 76 VA	70-76 / V2A	5075257	1178 63 6		450
2056U 82 FT	76-82 / ST / FT	5073451	1175 82 3		361
2056U 90 FT	82-90 / ST / FT	5073512	1175 90 4		361
2056W 12 FT	8-12 / ST / FT	5075431	1180 12 6		362
2056W 16 FT	12-16 / ST / FT	5075493	1180 16 9		362
2056W 2 12 FT	8-12 / ST / FT	5076339	1181 12 2		363
2056W 2 16 FT	12-16 / ST / FT	5076391	1181 16 5		363
2056W 2 22 FT	16-22 / ST / FT	5076452	1181 21 1		363
2056W 2 28 FT	22-28 / ST / FT	5076513	1181 28 9		363
2056W 2 34 FT	28-34 / ST / FT	5076575	1181 34 3		363
2056W 2 40 FT	34-40 / ST / FT	5076636	1181 40 8		363
2056W 2 46 FT	40-46 / ST / FT	5076698	1181 46 7		363
2056W 2 52 FT	46-52 / ST / FT	5076759	1181 52 1		363
2056W 2 58 FT	52-58 / ST / FT	5076810	1181 58 0		363
2056W 22 FT	16-22 / ST / FT	5075554	1180 22 3		362
2056W 28 FT	22-28 / ST / FT	5075615	1180 28 2		362
2056W 34 FT	28-34 / ST / FT	5075677	1180 34 7		362
2056W 40 FT	34-40 / ST / FT	5075738	1180 40 1		362
2056W 46 FT	40-46 / ST / FT	5075790	1180 46 0		362
2056W 52 FT	46-52 / ST / FT	5075851	1180 52 5		362
2056W 58 FT	52-58 / ST / FT	5075912	1180 58 4		362
2056W 64 FT	58-64 / ST / FT	5075974	1180 64 9		362
2056W 70 FT	64-70 / ST / FT	5076032	1180 68 1		362
2056W 76 FT	70-76 / ST / FT	5076094	1180 76 2		362
2056W 82 FT	76-82 / ST / FT	5076155	1180 82 7		362
2056W 90 FT	82-90 / ST / FT	5076216	1180 90 8		362
2058 12 LGR	8-12 2400/ PP	5081371	1195 12 3		364
2058 16 LGR	12-16 1200/ PP	5081432	1195 16 6		364
2058 22 LGR	16-22 1000/ PP	5081494	1195 22 0		364
2058 28 LGR	22-28 1000/ PP	5081555	1195 27 1		364
2058 34 LGR	28-34 1200/ PP	5081616	1195 34 4		364
2058 40 LGR	34-40 1200/ PP	5081678	1195 40 9		364
2058 46 LGR	40-46 1200/ PP	5081739	1195 46 8		364
2058 52 LGR	46-52 1200/ PP	5081791	1195 52 2		364
2058 58 LGR	52-58 1200/ PP	5081852	1195 58 1		364
2058 64 LGR	58-64 500/ PP	5081913	1195 64 6		364
2058 70 LGR	64-70 500/ PP	5081975	1195 70 0		364
2078 M10 1M G	M10 10/ St / G	5253396	3141 20 9		294
2078 M10 1M G	M10 10/ St / G	5253396	3141 20 9		376
2078 M10 1M G	M10 10/ St / G	5253396	3141 20 9		159
2078 M10 1M V2A	M10 10/ V2A	5023579	3141 31 2		159
2078 M10 1M V2A	M10 10/ V2A	5023579	3141 31 2		294
2078 M10 1M V2A	M10 10/ V2A	5023579	3141 31 2		416
2078 M10 1M V2A	M10 10/ V2A	5023579	3141 31 2		434
2078 M10 1M V4A	M10 10/ V4A	6098446	3141 50 2		476
2078 M10 2M G	M10 10/ ST / G	5123583	3141 14 0		376
2078 M10 2M G	M10 10/ ST / G	5123583	3141 14 0		159
2078 M12 1M G	M12 12/ St / G	5253457	3141 30 6		294
2078 M12 1M G	M12 12/ St / G	5253457	3141 30 6		376
2078 M12 1M G	M12 12/ St / G	5253457	3141 30 6		159
2078 M12 1M V2A	M12 12/ V2A	5594437	3141 31 4		159
2078 M12 1M V2A	M12 12/ V2A	5594437	3141 31 4		294
2078 M12 1M V2A	M12 12/ V2A	5594437	3141 31 4		416
2078 M12 1M V2A	M12 12/ V2A	5594437	3141 31 4		434
2078 M12 1M V4A	M12/ V4A	6098460	3141 51 2		476
2078 M12 2M G	M12 12/ ST / G	5123644	3141 14 4		376
2078 M12 2M G	M12 12/ ST / G	5123644	3141 14 4		159
2078 M8 1M G	M8/ St / G	5253334	3141 12 8		159
2078 M8 1M G	M8/ St / G	5253334	3141 12 8		294
2078 M8 1M G	M8/ St / G	5253334	3141 12 8		376
2078 M8 1M V2A	M8/ V2A	5023456	3141 31 0		159
2078 M8 1M V2A	M8/ V2A	5023456	3141 31 0		294
2078 M8 1M V2A	M8/ V2A	5023456	3141 31 0		416

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
2078 M8 1M V2A	M8 8/ V2A	5023456	3141 31 0		434
2078 M8 1M V4A	M8 8/ V4A	6098408	3141 49 2		476
2078 M8 2M G	M8 8/ ST / G	5119982	3141 13 6		376
2078 M8 2M G	M8 8/ ST / G	5119982	3141 13 6		159
2084 K M6	M6 22/ Zn / G	5307150	3463 06 0		378
2990 M6 G	M6 3,5/ ST / G	5306979	3462 86 2		378
2990 M8 G	M8 3,5/ ST / G	5307037	3462 88 9		378
5015 M6 OS VA	M6/ V2A	5053231	1141 10 4		322
5017 M6 OS VA	M6/ V4A	5119920	1143 12 3		322
5050 20X3 1M FT	1000 20/ St / FT	5617174	1466 50 4		293
				/100 m	
5050 20X3 3M FT	3000 20/ ST / FT	5137597	1465 76 7		207
				/pc.	
5050 20X3 FT	20x3/ ST / FT	6326112	6017 37 1		293
				/100 pc.	
5050 20X3x270 FT	270 20/ St / FT	5617112	1466 50 0		293
				/100 m	
5050 25X3 3MFT	3000 25/ ST / FT	5137658	1465 77 5		207
5050 30X3 3M FT	3000 30/ ST / FT	5137719	1465 79 1		207
5050 30X4 3M FT	3000 30/ ST / FT	5137771	1465 80 5		207
5050 40X4 3M FT	3000 40/ ST / FT	5137832	1465 82 1		207
5050 SB30x3 FT	3000 30/ ST / FT	5137955	1466 26 7		207
				/pc.	
5055 I12 FS	12 x 1/ ST / FS	5138310	1470 12 4		378
5055 II17 FS	17 x 1/ ST / FS	5138372	1470 17 5		378
5055 III26 FS	26 x 1.2/ ST / FS	5138433	1470 26 4		378
5055 LI12 FS	12 x 0.75/ ST / FS	5138679	1471 12 0		378
5055 LII17 FS	17 x 0.75/ ST / FS	5138730	1471 17 1		378
5055 LIII26 26	26 x 1/ ST / FS	5138792	1471 26 0		378
				/100 pc.	
12005 M10 G	M10 M10/ ST / G	6202270	6410 10 3		159
12005 M10 G	M10 M10/ ST / G	6202270	6410 10 3		377
12005 M10 V2A	M10 M10/ V2A	6043682	6410 16 2		159
12005 M12 G	M12 M12/ ST / G	6202331	6410 11 1		159
12005 M12 G	M12 M12/ ST / G	6202331	6410 11 1		377
12005 M8 G	M8 8/ ST / G	6202218	6410 08 1		159
12005 M8 G	M8 8/ ST / G	6202218	6410 08 1		377
12005 M8 V2A	M8 M8/ V2A	6043569	6410 15 4		159
				/pc.	
AHB 100 FT	100 6/ ST / FT	6881413	6363 90 3		161
AHB 100 VA4571	100 6/ V4A	5912910	6363 90 5		456
AHB 150 FT	150 8/ ST / FT	6148219	6363 90 7		161
AHB 150 VA4571	150 8/ V4A	5912927	6363 90 9		456
AHB 200 FT	200 8/ ST / FT	6881475	6363 91 1		161
AHB 200 VA4571	200 8/ V4A	5912934	6363 91 3		456
AHB 300 FT	300 8/ ST / FT	6881536	6363 93 8		161
AHB 300 VA4571	300 8/ V4A	5912941	6363 94 0		456
AHB 400 FT	400 8/ ST / FT	6881598	6363 94 6		161
AHB 400 VA4571	400 8/ V4A	5912958	6363 94 8		456
				/100 pc.	
AHB LTS 100 FT	/ St / F	5834878	6066 51 0		374
AHB LTS 50 FT	/ ST / F	6935895	6066 50 5		374
				/pc.	
AHIS 8 FT	/ ST / FT	6014477	6019 06 4		192
AHIS 8 FT	/ ST / FT	6014477	6019 06 4		355
AS 15 11 FT	1105 0/ ST / FT	6207732	6421 32 6		193
AS 15 16 FT	1605 5/ ST / FT	6207794	6421 33 4		193
AS 15 21 FT	2106 0/ ST / FT	6207855	6421 35 0		193
AS 15 31 FT	3106 5/ ST / FT	6207916	6421 38 5		193
AS 15 41 FT	4107 0/ ST / FT	6207978	6421 42 3		193
AS 15 51 FT	5107 5/ ST / FT	6208036	6421 46 6		193
AS 15 61 FT	6108 0/ ST / FT	6208098	6421 49 0		193
AS 30 11 FT	1106 0/ ST / FT	6205332	6418 75 9		193
AS 30 16 FT	1606 5/ ST / FT	6205394	6418 76 7		193
AS 30 21 FT	2107 0/ ST / FT	6205455	6418 77 5		193
AS 30 31 FT	3108 0/ ST / FT	6205516	6418 79 1		193
AS 30 41 FT	4108 0/ ST / FT	6205578	6418 81 3		193
AS 30 51 FT	5109 0/ ST / FT	6205639	6418 84 8		193
AS 30 56 FT	5601 00/ ST / FT	6205691	6418 85 6		193
AS 30 61 FT	6101 00/ ST / FT	6205752	6418 86 4		193
AS 30 71 FT	7101 00/ ST / FT	6481637	6418 87 2		193
AS 55 101 FT	1010 195/ ST / FT	6482474	6419 20 8		194
AS 55 21 FT	2109 0/ ST / FT	6205813	6419 04 6		194
AS 55 31 FT	3101 10/ ST / FT	6205875	6419 06 2		194
AS 55 41 FT	4101 30/ ST / FT	6205936	6419 08 9		194
AS 55 51 FT	5101 45/ ST / FT	6205998	6419 10 0		194
AS 55 56 FT	5601 65/ ST / FT	6206056	6419 11 9		194
AS 55 61 FT	6101 65/ ST / FT	6206117	6419 12 7		194
AS 55 71 FT	7101 95/ ST / FT	6206179	6419 14 3		194
AS 55 81 FT	8101 95/ ST / FT	6206230	6419 17 8		194
AS 55 91 FT	9101 95/ ST / FT	6482412	6419 19 4		194
ASL HM 2,7M	2700/ PA	5858409	6069 83 0		368
ASW BK	25 x 50/ St	5696599	6015 35 2		382
ASW FT	25 x 50/ St / FT	5696582	6015 35 0		382
AW 15 11 FT	1105 0/ St / FT	6207077	6420 65 6		181
AW 15 11 FT 2L	1104 4/ St / FT	5076773	6420 90 9		182
AW 15 11 VA4301	1105 0/ V2A	6207558	6421 00 8		411
AW 15 11 VA4571	1105 0/ V4A	6817634	6392 00 8		461
AW 15 16 FT	1605 5/ St / FT	6207138	6420 66 4		181
AW 15 16 FT 2L	1605 4/ St / FT	5076780	6420 91 2		182
AW 15 21 FT	2106 0/ St / FT	6207190	6420 68 0		181
AW 15 21 FT 2L	2105 4/ St / FT	5076797	6420 91 5		182
AW 15 21 VA4301	2106 0/ V2A	6207619	6421 02 4		411
AW 15 21 VA4571	2106 0/ V4A	6817696	6392 01 6		461
AW 15 31 FT	3106 5/ St / FT	6207251	6420 71 0		181
AW 15 31 FT 2L	3106 4/ St / FT	5076803	6420 91 8		182
AW 15 31 VA4301	3106 5/ V2A	6207671	6421 03 2		411
AW 15 31 VA4571	3106 5/ V4A	6817757	6392 02 4		461
AW 15 41 FT	4107 0/ St / FT	6207312	6420 74 5		181
AW 15 41 FT 2L	4106 4/ St / FT	5076834	6420 92 1		182
AW 15 41 VA4301	4107 0/ V2A	5061953	6421 03 6		411
AW 15 41 VA4571	4107 0/ V4A	6817818	6392 03 2		461
AW 15 51 FT	5107 5/ St / FT	6207374	6420 78 8		181
AW 15 51 FT 2L	5107 2/ St / FT	5076841	6420 92 4		182
AW 15 51 VA4301	5107 5/ V2A	5061960	6421 04 0		411
AW 15 51 VA4571	5107 5/ V4A	6817870	6392 04 0		461
AW 15 56 FT	5608 0/ St / FT	6207435	6420 79 6		181
AW 15 61 FT	6108 0/ St / FT	6207497	6420 82 6		181
AW 15 61 FT 2L	6107 7/ St / FT	5300120	6420 92 7		182
AW 15 61 VA4301	6108 0/ V2A	5061977	6421 04 4		411
AW 15 61 VA4571	6108 0/ V4A	6817931	6392 05 9		461
AW 30 11 FT	1106 0/ St / FT	6206599	6419 70 4		184
AW 30 11 VA4301	1106 0/ V2A	6208937	6442 80 3		412
AW 30 11 VA4571	1106 0/ V4A	5021049	6443 61 5		462
AW 30 16 FT	1606 5/ St / FT	6206650	6419 71 2		184
AW 30 21 FT	2107 0/ St / FT	6206711	6419 72 0		184
AW 30 21 VA4301	2107 0/ V2A	6209057	6442 83 8		412
AW 30 21 VA4571	2107 0/ V4A	6349753	6443 31 1		462
AW 30 31 FT	3108 0/ St / FT	6206773	6419 74 7		184
AW 30 31 VA4301	3108 0/ V2A	6209118	6442 85 4		412
AW 30 31 VA4571	3108 0/ V4A	6955879	6443 62 1		462

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
AW 30 41 FT	41080/ St / FT	6206834	6419 76 3		184
AW 30 41 VA4301	41080/ V2A	6209170	6442 87 0		412
AW 30 41 VA4571	41080/ V4A	6554478	6443 34 6		462
AW 30 51 FT	51090/ St / FT	6206896	6419 79 8		184
AW 30 51 VA4301	51090/ V2A	6209231	6442 89 7		412
AW 30 51 VA4571	51090/ V4A	5021094	6443 62 5		462
AW 30 56 FT	560100/ St / FT	6207015	6419 84 4		184
AW 30 61 FT	610100/ St / FT	6206957	6419 82 8		184
AW 30 61 VA4301	610100/ V2A	6209293	6442 91 9		412
AW 30 61 VA4571	610100/ V4A	5021100	6443 62 7		462
AW 30 71 FT	710100/ St / FT	6483730	6419 83 6		184
AW 55 101 FT	1010230/ St / FT	6205271	6418 72 4		185
AW 55 21 FT	21090/ St / FT	6204731	6418 55 4		185
AW 55 21 VA4301	21090/ V2A	6441433	6443 06 3		413
AW 55 21 VA4571	21090/ V4A	5912965	6418 55 7		462
AW 55 31 FT	310110/ St / FT	6204793	6418 57 0		185
AW 55 31 VA4301	310110/ V2A	6441495	6443 06 7		413
AW 55 31 VA4571	310110/ V4A	5912972	6418 57 3		462
AW 55 41 FT	410130/ St / FT	6204854	6418 59 7		185
AW 55 41 VA4301	410130/ V2A	6617111	6443 07 1		413
AW 55 41 VA4571	410130/ V4A	5912989	6418 60 1		462
AW 55 51 FT	510145/ St / FT	6204915	6418 61 9		185
AW 55 51 VA4301	510145/ V2A	6661091	6443 07 5		413
AW 55 51 VA4571	510145/ V4A	5912996	6418 62 2		462
AW 55 56 FT	560165/ St / FT	6204977	6418 62 7		185
AW 55 61 FT	610165/ St / FT	6205035	6418 63 5		185
AW 55 61 VA4301	610165/ V2A	6661152	6443 07 9		413
AW 55 61 VA4571	610165/ V4A	5913009	6418 63 8		462
AW 55 71 FT	710195/ St / FT	6205097	6418 65 1		185
AW 55 71 VA4301	710195/ V2A	6661879	6443 08 3		413
AW 55 81 FT	810195/ St / FT	6205158	6418 68 6		185
AW 55 91 FT	910215/ St / FT	6205219	6418 70 8		185
AW 80 21 FT	210110/ ST / FT	6203475	6417 75 2		186
AW 80 31 FT	310145/ ST / FT	6203536	6417 77 9		186
AW 80 41 FT	410165/ ST / FT	6203598	6417 79 5		186
AW 80 51 FT	510195/ ST / FT	6203659	6417 81 7		186
AW 80 61 FT	610210/ ST / FT	6203710	6417 83 3		186
AW 80 71 FT	710235/ ST / FT	6203772	6417 86 8		186
AW 80 81 FT	810260/ ST / FT	6203833	6417 88 4		186
AW G 15 11 FT	11050/ St / FT	6662470	6420 60 6		183
AW G 15 16 FT	16055/ St / FT	6079155	6420 60 7		183
AW G 15 21 FT	21060/ St / FT	6662531	6420 60 8		183
AW G 15 31 FT	31065/ St / FT	6662593	6420 61 0		183
AW G 15 41 FT	41070/ St / FT	6662654	6420 61 2		183
AW G 15 51 FT	51075/ St / FT	6662715	6420 61 4		183
AW G 15 61 FT	61080/ St / FT	6662777	6420 61 6		183
AW30 56 VA4571	560100/ V4A	5049722	6443 62 6		462
AWG 15 11 VA4571	11050/ V4A	5706304	6420 64 2		461
AWG 15 11VA4301	11050/ V2A	5058373	6420 62 5		412
AWG 15 21 VA4571	21060/ V4A	5706311	6420 64 4		461
AWG 15 21VA4301	21060/ V2A	5058380	6420 62 8		412
AWG 15 31VA4301	31065/ V2A	5058427	6420 63 1		412
AWG 15 31VA4571	31065/ V4A	5395362	6420 64 6		461
AWG 15 41 VA4571	41070/ V4A	5706052	6420 64 8		461
AWG 15 41VA4301	41070/ V2A	5058434	6420 63 4		412
AWG 15 51 VA4571	51075/ V4A	5706328	6420 65 0		461
AWG 15 51VA4301	51075/ V2A	5058502	6420 63 7		412
AWG 15 61 VA4571	61080/ V4A	5706359	6420 65 2		461
AWG 15 61VA4301	61080/ V2A	5058540	6420 64 0		412
AWSS 101 FT	1010359/ ST / FT	6340750	6417 93 8		187
AWSS 21 FT	210335/ ST / FT	6340279	6417 90 6		187
AWSS 31 FT	310335/ ST / FT	6340330	6417 91 0		187
AWSS 41 FT	410335/ ST / FT	6340392	6417 91 4		187
AWSS 51 FT	510335/ ST / FT	6340453	6417 91 8		187
AWSS 61 FT	610335/ ST / FT	6340514	6417 92 2		187
AWSS 71 FT	710335/ ST / FT	6340576	6417 92 6		187
AWSS 81 FT	810341/ ST / FT	6340637	6417 93 0		187
AWSS 91 FT	910366/ ST / FT	6340699	6417 93 4		187
AWV 21 FT	210130/ ST / FT	6206292	6419 53 4		186
AWV 21 VA4571	210130/ V4A	5913061	6419 64 0		463
AWV 31 FT	310130/ ST / FT	6206353	6419 55 0		186
AWV 31 VA4571	310130/ V4A	5913078	6419 64 2		463
AWV 41 FT	410130/ ST / FT	6206414	6419 57 7		186
AWV 41 VA4571	410130/ V4A	5913085	6419 64 4		463
AWV 51 FT	510130/ ST / FT	6206476	6419 59 3		186
AWV 51 VA4571	510130/ V4A	5913092	6419 64 6		463
AWV 61 FT	610130/ ST / FT	6206537	6419 61 5		186
AWV 61 VA4571	610130/ V4A	5913108	6419 64 8		463
AWVL 11 FS	17060/ St / FS	5058663	6419 46 4		186
AWVL 11 FT	17060/ St / FT	5058670	6419 50 1		186
AWVL 11 VA4571	17060/ V4A	5913016	6419 51 9		463
AWVL 16 FS	22060/ St / FS	5058687	6419 46 8		186
AWVL 16 FT	22060/ St / FT	5058724	6419 50 5		186
AWVL 16 VA4571	22060/ V4A	5913023	6419 52 0		463
AWVL 21 FS	27060/ St / FS	5058731	6419 47 2		186
AWVL 21 FT	27060/ St / FT	5058748	6419 50 9		186
AWVL 21 VA4571	27060/ V4A	5913030	6419 52 1		463
AWVL 31 FS	37060/ St / FS	5058786	6419 47 6		186
AWVL 31 FT	37060/ St / FT	5058793	6419 51 3		186
AWVL 31 VA4571	37060/ V4A	5913047	6419 52 2		463
AWVL 41 FS	47060/ St / FS	5058809	6419 48 0		186
AWVL 41 FT	47060/ St / FT	5058847	6419 51 7		186
AWVL 41 VA4571	47060/ V4A	5913054	6419 52 3		463
AZ LA 150 FS	50150/ St / FS	5848561	6069 60 0		371
AZ LA 150 FT	50150/ St / FT	5848578	6069 60 7		371
AZ LA 150VA4301	50150/ V2A	5848585	6069 61 4		371
				/m	
AZDMD 100 DD	1033000/ ST / DD	6406098	6080 23 5		397
AZDMD 100 FS	1033000/ ST / FS	6069552	6080 22 7		396
AZDMD 100 VA4301	1033000/ V2A	6069613	6080 29 4		452
AZDMD 150 FS	1533000/ St / FS	5811305	6080 86 0		396
AZDMD 150 FT	1533000/ St / FT	5811312	6080 86 5		397
AZDMD 150 VA4301	1533000/ V2A	5811329	6080 87 0		452
AZDMD 200 FS	2033000/ St / FS	5811350	6080 88 5		396
AZDMD 200 FT	2033000/ St / FT	5811367	6080 89 0		397
AZDMD 200 VA4301	2033000/ V2A	5811374	6080 89 5		452
AZDMD 300 FS	3033000/ St / FS	5811381	6080 91 0		396
AZDMD 300 FT	3033000/ St / FT	5811428	6080 91 5		397
AZDMD 300 VA4301	3033000/ V2A	5811435	6080 92 0		452
AZDMD 50 DD	533000/ ST / DD	6405916	6080 15 4		397
AZDMD 50 FS	533000/ ST / FS	6069439	6080 13 8		396
AZDMD 50 VA4301	533000/ V2A	6069491	6080 19 7		452
				/pc.	
AZDR 100 FT	100-100 / ST / FT	6064397	6065 10 4		397
AZDR 100 VA4301	100-100 / V2A	6064694	6065 31 7		452
AZDR 50 FT	50-50 / ST / FT	6064458	6065 11 2		397
AZDR 50 VA4301	50-50 / V2A	6064632	6065 30 9		452
				/m	
AZDU 100 DD	1033000/ ST / DD	6084197	6080 23 9		396
AZDU 50 DD	533000/ ST / DD	6084135	6080 15 8		396
AZK 050 FS	501,5/ ST / FS	6068951	6075 09 6		394
AZK 050 FT	501,5/ ST / FT	6069019	6075 14 2		394
AZK 050 VA4301	501,5/ V2A	6069071	6075 15 0		450
AZK 050 VA4571	501,5/ V4A	5866213	6075 15 2		482
AZK 100 FS	1001,5/ ST / FS	6069132	6075 23 1		394
AZK 100 FT	1001,5/ ST / FT	6069194	6075 25 8		394
AZK 100 VA4301	1001,5/ V2A	6069255	6075 30 4		450
AZK 100 VA4571	1001,5/ V4A	5866220	6075 30 6		482
AZK 150 FS	1501,5/ St / FS	5811121	6075 32 0		394
AZK 150 FT	1501,5/ St / FT	5811138	6075 32 5		394
AZK 150 VA4301	1501,5/ V2A	5811145	6075 33 0		450
AZK 150 VA4571	1501,5/ V4A	5866251	6075 33 2		482
AZK 200 FS	2001,5/ St / FS	5811183	6075 34 5		395
AZK 200 FT	2001,5/ St / FT	5811190	6075 35 0		395
AZK 200 VA4301	2001,5/ V2A	5811206	6075 35 5		451
AZK 200 VA4571	2001,5/ V4A	5866268	6075 35 7		482
AZK 300 FS	3001,5/ St / FS	5811244	6075 37 0		395
AZK 300 FT	3001,5/ St / FT	5811251	6075 37 5		395
AZK 300 VA4301	3001,5/ V2A	5811268	6075 38 0		451
AZK 300 VA4571	3001,5/ V4A	5866275	6075 38 2		482
AZK A 050 FT	501,5/ ST / FT	6069316	6076 14 9		394
AZK A 100 FT	1001,5/ ST / FT	6069378	6076 24 6		394
				/pc.	
AZK AA 150 FT SO	46/ St / FT SO	5958642	7195 55 3		395
AZK AAV100F FTSO	46/ St / FT SO	5866114	7195 55 0		395
AZK AAV150F FTSO	46/ St / FT SO	5866121	7195 55 2		395
				/100 pc.	
B 33020	228/ CuZn	6049080	6404 00 6		222
B 33020	228/ CuZn	6049080	6404 00 6		293
B 33021	2610/ CuZn	6049202	6404 01 4		222
B 33021	2610/ CuZn	6049202	6404 01 4		293

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
BC GR MS VA4310	/ V2A	5980698	6016 66 5		292
BEB 050 DD	50/ ST / DD	6100934	7083 61 6		266
BEB 050 FS	50/ St / FS	6231010	7083 04 1		266
BEB 100 DD	100/ ST / DD	6983728	7083 61 8		266
BEB 100 FS	100/ St / FS	6231072	7083 10 6		266
BEB 100 VA4301	100/ V2A	6232031	7084 01 3		425
BEB 100 VA4571	100/ V4A	5866336	7084 14 1		470
BEB 150 DD	150/ ST / DD	6026883	7083 62 2		266
BEB 150 FS	150/ St / FS	6231133	7083 15 7		266
BEB 200 DD	200/ ST / DD	6982943	7083 62 6		266
BEB 200 FS	200/ St / FS	6231195	7083 20 3		266
BEB 200 VA4301	200/ V2A	6232093	7084 04 8		425
BEB 200 VA4571	200/ V4A	5866343	7084 14 3		470
BEB 300 DD	300/ ST / DD	6982882	7083 63 0		266
BEB 300 FS	300/ St / FS	6231256	7083 30 0		266
BEB 300 VA4301	300/ V2A	6232154	7084 06 4		425
BEB 300 VA4571	300/ V4A	5866350	7084 14 5		470
BEB 400 DD	400/ ST / DD	6024254	7083 63 4		266
BEB 400 FS	400/ St / FS	6231317	7083 40 8		266
BEB 400 VA4301	400/ V2A	6232215	7084 08 0		425
BEB 400 VA4571	400/ V4A	5866367	7084 14 7		470
BEB 500 DD	500/ ST / DD	6024490	7083 63 8		266
BEB 500 FS	500/ St / FS	6231379	7083 50 5		266
BEB 500 VA4301	500/ V2A	6232277	7084 10 2		425
BEB 500 VA4571	500/ V4A	5866374	7084 14 9		470
BEB 550 DD	550/ ST / DD	6100996	7083 64 0		266
BEB 550 FS	550/ St / FS	6231430	7083 55 6		266
BEB 600 DD	600/ ST / DD	6034635	7083 64 2		266
BEB 600 FS	600/ St / FS	6231492	7083 60 2		266
BEB 600 VA4301	600/ V2A	6232338	7084 12 9		425
BEB 600 VA4571	600/ V4A	5866381	7084 15 1		470
BF 140 10 FT	/ ST / FT	6295876	6356 36 2		398
BFK 132 58 FT	13299/ ST / FT	6079889	6003 88 0		195
BFK 132 58 FT	13299/ ST / FT	6079889	6003 88 0		301
BFK 132 58VA4301	13299/ V2A	6049448	6003 87 1		432
BFK 153 33 FT	153101/ ST / FT	6079896	6003 88 4		195
BFK 153 33 FT	153101/ ST / FT	6079896	6003 88 4		301
BFK 153 33VA4301	153101/ V2A	6049561	6003 87 3		432
BFK 166 58 20 FT	166133/ ST / FT	6079902	6003 88 8		195
BFK 166 58 20 FT	166133/ ST / FT	6079902	6003 88 8		301
BFK 166 58 20V2A	166133/ V2A	6049806	6003 87 7		432
BFK 187 33 FT	187135/ ST / FT	6079919	6003 89 2		195
BFK 187 33 FT	187135/ ST / FT	6079919	6003 89 2		301
BFK 187 33VA4301	187135/ V2A	6049929	6003 87 9		432
BID 90 200 FT	200/ ST / FT	6445691	6239 15 3		324
BID 90 300 FT	300/ ST / FT	6445752	6239 16 1		324
BID 90 400 FT	400/ ST / FT	6445813	6239 18 8		324
BID 90 500 FT	500/ ST / FT	6445875	6239 19 6		324
BID 90 600 FT	600/ ST / FT	6445936	6239 21 8		324
				/m	
BKK 104 FT	1,5 104 x 25/ ST / FT	6068234	6070 24 8		399
BKK 104 VA4301	1,5 104 x 25/ V2A	6068418	6070 77 9		452
BKK 150 FT	1,5 150 x 25/ ST / FT	6068296	6070 34 5		399
BKK 150 VA4301	1,5 150 x 25/ V2A	6068470	6070 78 7		452
BKK 200 FT	1,5 200 x 25/ ST / FT	6068357	6070 44 2		399
BKK 200 VA4301	1,5 200 x 25/ V2A	6068531	6070 79 5		453
				/pc.	
BW 60 40 FT	/ ST / FT	6014590	6019 56 0		177
BW 60 40 FT	/ ST / FT	6014590	6019 56 0		356
BW 60 40 VA4301	/ V2A	6014651	6019 58 7		448
BW 70 40 FT	/ ST / FT	6014835	6019 70 6		177
BW 70 40 FT	/ ST / FT	6014835	6019 70 6		356
BW 80 55 FT	/ St / FT	6014538	6019 52 8		192
BW 80 55 FT	/ St / FT	6014538	6019 52 8		356
BW LA 35 FS	/ St / FS	5897729	6069 89 5		368
BW LA 35 VA4301	/ V2A	5897750	6069 89 7		368
				/m	
CGR 50 100 FT	1004,5/ ST / FT	6013999	6017 43 6		300
CGR 50 100VA4301	1004,5/ V2A	6012732	6016 23 5		435
CGR 50 200 FT	2004,5/ ST / FT	6014057	6017 44 4		300
CGR 50 200VA4301	2004,5/ V2A	6012794	6016 25 1		435
CGR 50 300 FT	3004,5/ ST / FT	6295692	6017 45 2		300
CGR 50 300VA4301	3004,5/ V2A	5891352	6016 25 3		435
CGR 50 400 FT	4004,5/ ST / FT	6014118	6017 46 0		300
CGR 50 400VA4301	4004,5/ V2A	5891369	6016 25 5		435
CGR 50 50 FT	504,5/ ST / FT	6013937	6017 42 8		300
CGR 50 50 VA4301	504,5/ V2A	6012671	6016 20 0		435
				/pc.	
CK 40 100 FT	954/ ST / FT	6007998	6008 30 5		355
CK 40 110 FT	1054/ ST / FT	6008056	6008 31 3		355
CK 40 120 FT	1154/ ST / FT	6008117	6008 32 1		355
CK 40 20 FT	154/ ST / FT	6629718	6008 22 4		355
CK 40 30 FT	254/ ST / FT	6356058	6008 23 2		355
CK 40 40 FT	354/ ST / FT	6007639	6008 24 0		355
CK 40 50 FT	454/ ST / FT	6007691	6008 25 9		355
CK 40 60 FT	554/ ST / FT	6007752	6008 26 7		355
CK 40 70 FT	654/ ST / FT	6007813	6008 27 5		355
CK 40 80 FT	754/ ST / FT	6007875	6008 28 3		355
CK 40 90 FT	854/ ST / FT	6007936	6008 29 1		355
CKD 40 60 FT	554/ ST / FT	5612766	6008 26 9		355
CKD 40 70 FT	654/ ST / FT	5612773	6008 27 7		355
CKD 40 80 FT	754/ ST / FT	5612780	6008 28 5		355
CKD 40 90 FT	854/ ST / FT	5612797	6008 29 3		355
CPS 4 SPR 192 FT	40/ St / FT	6355518	6007 20 1		353
CPS 4 SPR 292 FT	40/ St / FT	6005895	6007 22 8		353
CPS 4 SPR 392 FT	40/ St / FT	6005956	6007 23 6		353
CPS 4 SPR 492 FT	492/ ST / FT	6006014	6007 24 4		353
CPS 4 SPR 592 FT	592/ ST / FT	6006076	6007 25 2		353
CPS 4 SPR 692 FT	692/ ST / FT	6006137	6007 26 0		353
CPS 4 SPR 792 FT	792/ ST / FT	6006199	6007 27 9		353
CPS 4 SPR 892 FT	892/ ST / FT	6006250	6007 28 7		353
CPS 4 SPR 992 FT	992/ ST / FT	6006311	6007 29 5		353
CPS 4 SPR1092 FT	1092/ ST / FT	6006373	6007 30 9		353
CPS 4 SPR1192 FT	1192/ ST / FT	6006434	6007 31 7		353
CPS 5 G 220 FT	50 x 30/ ST / FT	6191710	6349 40 4		198
CPS 5 G 260 FT	50 x 30/ ST / FT	6191772	6349 41 2		198
CPS 5 G 300 FT	50 x 30/ ST / FT	6191833	6349 43 9		198
CPS 5 G 340 FT	50 x 30/ ST / FT	6191895	6349 44 7		198
CPS 5 G 380 FT	50 x 30/ ST / FT	6191956	6349 46 3		198
CPS 5 L 1.5M FT	50 x 30/ St / FT	5514572	1121 36 3		198
CPS 5 L 1M FT	50 x 30/ St / FT	5886211	1121 44 8		198
CPS 5 L 200 FT	50 x 30/ St / FT	5745037	1121 39 1		198
CPS 5 L 2M FT	50 x 30/ St / FT	5049210	1121 46 4		198
CPS 5 L 2M FT	50 x 30/ St / FT	5049210	1121 46 4		198
CPS 5 L 2M VA	50 x 30/ V2A	5049272	1121 48 0		414
CPS 5 L 300 FT	50 x 30/ St / FT	5672975	1121 24 3		198
CPS 5 L 3M FT	50 x 30/ St / FT	5419686	1121 46 6		198
CPS 5 L 400 FT	50 x 30/ St / FT	5672555	1121 27 8		198
CPS 5 L 500 FT	50 x 30/ St / FT	5886334	1121 40 5		198
CPS 5 L 600 FT	50 x 30/ St / FT	5672494	1121 29 4		198
CPS 5 L 6M FT	50 x 30/ St / FT	5462491	1121 47 2		198
CPS 5 L 6M FT	50 x 30/ St / FT	5462491	1121 47 2		198

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 m	
CPS 5 L 6M VA	50 x 30/ V2A	5049333	1121 49 9		414
				/pc.	
CPS 5 L 700 FT	50 x 30/ St / FT	5672616	1121 33 2		198
CPS 5 L 800 FT	50 x 30/ St / FT	5882251	1121 30 8		198
CPS 5 L 900 FT	50 x 30/ St / FT	5068310	1121 33 6		198
				/100 pc.	
CPS 5 SK OR SP	Pastel orange/ PE	5785323	1124 56 3		198
				/pc.	
DB FT	/ ST / FT	6195671	6356 10 9		158
DB FT	/ ST / FT	6195671	6356 10 9		376
DBL 50 100 FS	100/ ST / FS	6746118	6015 50 6		161
DBL 50 100 FT	100/ ST / FT	6785414	6015 56 5		161
DBL 50 100VA4401	100/ V4A	6937455	6015 63 0		413
DBL 50 100VA4401	100/ V4A	6937455	6015 63 0		463
DBL 50 100VA4401	100/ V4A	6937455	6015 63 0		476
DBL 50 150 FS	150/ ST / FS	6746170	6015 51 4		161
DBL 50 150 FT	150/ ST / FT	6785476	6015 57 3		161
DBL 50 200 FS	200/ ST / FS	6746231	6015 52 2		161
DBL 50 200 FT	200/ ST / FT	6785537	6015 58 1		161
DBL 50 200VA4401	200/ V4A	6937516	6015 63 2		413
DBL 50 200VA4401	200/ V4A	6937516	6015 63 2		463
DBL 50 200VA4401	200/ V4A	6937516	6015 63 2		476
DBL 50 300 FS	300/ ST / FS	6746293	6015 53 0		161
DBL 50 300 FT	300/ ST / FT	6785599	6015 60 3		161
DBL 50 300VA4401	300/ V4A	6937578	6015 63 3		413
DBL 50 300VA4401	300/ V4A	6937578	6015 63 3		463
DBL 50 300VA4401	300/ V4A	6937578	6015 63 3		476
DBL 50 400 FS	400/ ST / FS	6746354	6015 54 9		161
DBL 50 400 FT	400/ ST / FT	6785650	6015 61 1		161
DBL 50 400VA4401	400/ V4A	6937639	6015 63 4		413
DBL 50 400VA4401	400/ V4A	6937639	6015 63 4		463
DBL 50 400VA4401	400/ V4A	6937639	6015 63 4		476
DBL 50 500 FS	500/ ST / FS	5239154	6015 55 2		161
DBL 50 500 FT	500/ ST / FT	5239208	6015 61 4		161
DBL 50 600 FS	600/ ST / FS	5239161	6015 55 5		161
DBL 50 600 FT	600/ ST / FT	5239215	6015 61 7		161
DBLG 20 050 FS	50/ ST / FS	6961528	6015 64 6		161
DBLG 20 050 FS	50/ ST / FS	6961528	6015 64 6		294
DBLG 20 050 FT	50/ ST / FT	6042845	6015 64 8		161
DBLG 20 050 FT	50/ ST / FT	6042845	6015 64 8		294
DBLG 20 100 FS	100/ ST / FS	6961580	6015 65 4		161
DBLG 20 100 FS	100/ ST / FS	6961580	6015 65 4		294
DBLG 20 100 FT	100/ ST / FT	6042968	6015 65 6		161
DBLG 20 100 FT	100/ ST / FT	6042968	6015 65 6		294
DBLG 20 150 FS	150/ ST / FS	6279371	6015 65 8		161
DBLG 20 150 FS	150/ ST / FS	6279371	6015 65 8		294
DBLG 20 150 FT	150/ ST / FT	6043088	6015 66 0		161
DBLG 20 150 FT	150/ ST / FT	6043088	6015 66 0		294
DBLG 20 200 FS	200/ ST / FS	6961641	6015 66 2		161
DBLG 20 200 FS	200/ ST / FS	6961641	6015 66 2		294
DBLG 20 200 FT	200/ ST / FT	6043200	6015 66 4		161
DBLG 20 200 FT	200/ ST / FT	6043200	6015 66 4		294
DBLG 20 300 FS	300/ ST / FS	6961702	6015 67 0		161
DBLG 20 300 FS	300/ ST / FS	6961702	6015 67 0		294
DBLG 20 300 FT	300/ ST / FT	6043323	6015 67 2		161
DBLG 20 300 FT	300/ ST / FT	6043323	6015 67 2		294
DBLG 20 400 FS	400/ ST / FS	6961764	6015 68 9		161
DBLG 20 400 FS	400/ ST / FS	6961764	6015 68 9		294
DBLG 20 400 FT	400/ ST / FT	6043446	6015 69 1		161
DBLG 20 400 FT	400/ ST / FT	6043446	6015 69 1		294
DBLG 20 500 FS	500/ ST / FS	5239222	6015 69 3		161
DBLG 20 500 FS	500/ ST / FS	5239222	6015 69 3		294
DBLG 20 500 FT	500/ ST / FT	5239260	6015 69 5		161
DBLG 20 500 FT	500/ ST / FT	5239260	6015 69 5		294
DBLG 20 600 FS	600/ ST / FS	5239277	6015 69 7		161
DBLG 20 600 FS	600/ ST / FS	5239277	6015 69 7		294
DBLG 20 600 FT	600/ ST / FT	5239284	6015 69 9		161
DBLG 20 600 FT	600/ ST / FT	5239284	6015 69 9		294
DBV 050 S DD	500,75/ St / DD	5874379	7131 50 6		270
DBV 050 S FS	500,75/ St / FS	5047551	7130 80 1		270
DBV 100 S DD	1000,75/ St / DD	5850915	7131 50 8		270
DBV 100 S FS	1000,75/ St / FS	5047568	7130 80 5		270
DBV 100 S VA4301	1000,75/ V2A	5688600	7130 90 5		427
DBV 100 S VA4571	1000,75/ V4A	5886464	7130 92 0		471
DBV 110 100 F DD	1000,75/ St / DD	5850960	7131 55 6		272
DBV 110 100 F FS	1000,75/ St / FS	5712046	7131 03 0		272
DBV 110 150 F DD	1500,75/ St / DD	5995777	7131 55 4		272
DBV 110 150 F FS	1500,75/ St / FS	5995753	7131 03 2		272
DBV 110 200 F DD	2000,75/ St / DD	5809289	7131 56 0		272
DBV 110 200 F FS	2000,75/ St / FS	5712053	7131 03 4		272
DBV 110 300 F DD	3000,75/ St / DD	5874775	7131 56 4		272
DBV 110 300 F FS	3000,75/ St / FS	5712060	7131 03 8		272
DBV 110 400 F DD	4000,75/ St / DD	5809296	7131 56 8		272
DBV 110 400 F FS	4000,75/ St / FS	5712077	7131 04 2		272
DBV 110 500 F DD	5000,75/ St / DD	5874782	7131 57 2		272
DBV 110 500 F FS	5000,75/ St / FS	5712084	7131 04 6		272
DBV 110 600 F DD	6000,75/ St / DD	5995784	7131 57 6		272
DBV 110 600 F FS	6000,75/ St / FS	5995760	7131 05 2		272
DBV 150 S DD	1500,75/ St / DD	5874386	7131 50 9		270
DBV 150 S FS	1500,75/ St / FS	5047575	7130 80 9		270
DBV 150 S VA4301	1500,75/ V2A	5995791	7130 90 6		427
DBV 150 S VA4571	1500,75/ V4A	5995807	7130 92 1		471
DBV 200 S DD	2000,75/ St / DD	5809265	7131 51 0		270
DBV 200 S FS	2000,75/ St / FS	5047582	7130 81 3		270
DBV 200 S VA4301	2000,75/ V2A	5886303	7130 90 7		427
DBV 200 S VA4571	2000,75/ V4A	5886495	7130 92 2		471
DBV 300 S DD	3000,75/ St / DD	5874393	7131 51 4		270
DBV 300 S FS	3000,75/ St / FS	5047612	7130 81 7		270
DBV 300 S VA4301	3000,75/ V2A	5886327	7130 90 9		427
DBV 300 S VA4571	3000,75/ V4A	5886518	7130 92 4		471
DBV 35 050 F DD	500,75/ St / DD	5874423	7131 59 0		271
DBV 35 050 F FS	500,75/ St / FS	5711896	7130 76 0		271
DBV 35 100 F DD	1000,75/ St / DD	5874430	7131 59 2		271
DBV 35 100 F FS	1000,75/ St / FS	5711902	7130 76 4		271
DBV 35 150 F DD	1500,75/ St / DD	5874447	7131 59 4		271
DBV 35 150 F FS	1500,75/ St / FS	5711933	7130 76 8		271
DBV 35 200 F DD	2000,75/ St / DD	5874485	7131 59 6		271
DBV 35 200 F FS	2000,75/ St / FS	5711940	7130 77 2		271
DBV 35 300 F DD	3000,75/ St / DD	5874492	7131 60 0		271
DBV 35 300 F FS	3000,75/ St / FS	5711957	7130 77 6		271
DBV 400 S DD	4000,75/ St / DD	5809272	7131 51 8		270
DBV 400 S FS	4000,75/ St / FS	5047629	7130 82 1		270
DBV 400 S VA4301	4000,75/ V2A	5886365	7130 91 1		427
DBV 400 S VA4571	4000,75/ V4A	5886525	7130 92 6		471
DBV 500 S DD	5000,75/ St / DD	5874409	7131 52 4		270
DBV 500 S FS	5000,75/ St / FS	5047636	7130 82 5		270
DBV 500 S VA4301	5000,75/ V2A	5886389	7130 91 3		427
DBV 500 S VA4571	5000,75/ V4A	5886556	7130 92 8		471
DBV 60 050 F DD	500,75/ St / DD	5874508	7131 63 0		271
DBV 60 050 F FS	500,75/ St / FS	5047674	7130 84 7		271
DBV 60 100 F DD	1000,75/ St / DD	5874546	7131 63 2		271
DBV 60 100 F FS	1000,75/ St / FS	5047681	7130 85 2		271
DBV 60 150 F DD	1500,75/ St / DD	5874553	7131 63 4		271
DBV 60 150 F FS	1500,75/ St / FS	5047698	7130 85 6		271
DBV 60 200 F DD	2000,75/ St / DD	5874560	7131 63 6		271

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
DBV 60 200 F FS	2000,75/ St / FS	5047704	7130 86 0		271
DBV 60 300 F DD	3000,75/ St / DD	5874607	7131 64 0		271
DBV 60 300 F FS	3000,75/ St / FS	5047735	7130 86 4		271
DBV 60 400 F DD	4000,75/ St / DD	5874614	7131 64 4		271
DBV 60 400 F FS	4000,75/ St / FS	5047742	7130 86 8		271
DBV 60 500 F DD	5000,75/ St / DD	5874621	7131 64 8		271
DBV 60 500 F FS	5000,75/ St / FS	5047759	7130 87 2		271
DBV 60 600 F DD	6000,75/ St / DD	5874669	7131 65 2		271
DBV 60 600 F FS	6000,75/ St / FS	5047766	7130 87 6		271
DBV 600 S DD	6000,75/ St / DD	5874416	7131 52 7		270
DBV 600 S FS	6000,75/ St / FS	5047643	7130 82 9		270
DBV 600 S VA4301	6000,75/ V2A	5886419	7130 91 5		427
DBV 600 S VA4571	6000,75/ V4A	5886563	7130 93 0		471
DBV 85 100 F DD	1000,75/ St / DD	5874676	7131 67 2		271
DBV 85 100 F FS	1000,75/ St / FS	5711964	7130 99 0		271
DBV 85 150 F DD	1500,75/ St / DD	5995746	7131 67 4		271
DBV 85 150 F FS	1500,75/ St / FS	5995739	7130 99 2		271
DBV 85 200 F DD	2000,75/ St / DD	5874683	7131 67 6		271
DBV 85 200 F FS	2000,75/ St / FS	5711995	7130 99 4		271
DBV 85 300 F DD	3000,75/ St / DD	5874713	7131 68 0		271
DBV 85 300 F FS	3000,75/ St / FS	5712008	7130 99 8		271
DBV 85 400 F DD	4000,75/ St / DD	5874720	7131 68 4		271
DBV 85 400 F FS	4000,75/ St / FS	5712015	7131 00 2		271
DBV 85 500 F DD	5000,75/ St / DD	5874737	7131 68 8		271
DBV 85 500 F FS	5000,75/ St / FS	5712022	7131 00 6		271
DBV 85 600 F DD	6000,75/ St / DD	5874744	7131 69 2		271
DBV 85 600 F FS	6000,75/ St / FS	5712039	7131 01 0		271
DBV FS	/ St / FS	5373070	6356 05 5		158
DBV FS	/ St / FS	5373070	6356 05 5		376
DBV60100F VA4301	1000,75/ V2A	5688617	7130 95 2		427
DBV60100F VA4571	1000,75/ V4A	5886310	7130 97 2		472
DBV60150F VA4301	1500,75/ V2A	5995814	7130 95 3		427
DBV60150F VA4571	1500,75/ V4A	5995821	7130 97 3		472
DBV60200F VA4301	2000,75/ V2A	5886259	7130 95 4		427
DBV60200F VA4571	2000,75/ V4A	5886358	7130 97 4		472
DBV60300F VA4301	3000,75/ V2A	5886266	7130 95 6		427
DBV60300F VA4571	3000,75/ V4A	5886372	7130 97 6		472
DBV60400F VA4301	4000,75/ V2A	5886273	7130 95 8		427
DBV60400F VA4571	4000,75/ V4A	5886426	7130 97 8		472
DBV60500F VA4301	5000,75/ V2A	5886280	7130 96 0		427
DBV60500F VA4571	5000,75/ V4A	5886433	7130 98 0		472
DBV60600F VA4301	6000,75/ V2A	5886297	7130 96 2		427
DBV60600F VA4571	6000,75/ V4A	5886440	7130 98 2		472
DFAA BKS100 DD	1004,5/ Al / DD	5079293	7131 45 0		281
DFAA BKS200 DD	2004,5/ Al / DD	5079309	7131 45 2		281
DFAA BKS300 DD	3004,5/ Al / DD	5079316	7131 45 4		281
DFAA BKS400 DD	4004,75/ Al / DD	5079323	7131 45 6		281
DFAA BKS500 DD	5004,75/ Al / DD	5079354	7131 45 8		281
DFAA BKS550 DD	5504,75/ Al / DD	5079361	7131 46 0		281
DFAA BKS600 DD	6004,75/ Al / DD	5079378	7131 46 2		281
DFAAM 100 DD	1001,25/ St / DD	5930655	7138 68 0		269
DFAAM 100 FS	1001,25/ St / FS	5930587	7138 64 0		269
DFAAM 100 V2A	1001,25/ V2A	5930723	7138 72 0		427
DFAAM 100 V4A	1001,25/ V4A	5930815	7138 74 0		471
DFAAM 150 DD	1501,25/ St / DD	5930662	7138 68 2		269
DFAAM 150 FS	1501,25/ St / FS	5930594	7138 64 2		269
DFAAM 150 V2A	1501,25/ V2A	5930754	7138 72 2		427
DFAAM 150 V4A	1501,25/ V4A	5930822	7138 74 2		471
DFAAM 200 DD	2001,25/ St / DD	5930679	7138 68 4		269
DFAAM 200 FS	2001,25/ St / FS	5930600	7138 64 4		269
DFAAM 200 V2A	2001,25/ V2A	5930761	7138 72 4		427
DFAAM 200 V4A	2001,25/ V4A	5930839	7138 74 4		471
DFAAM 300 DD	3001,25/ St / DD	5930686	7138 68 6		269
DFAAM 300 FS	3001,25/ St / FS	5930617	7138 64 6		269
DFAAM 300 V2A	3001,25/ V2A	5930778	7138 72 6		427
DFAAM 300 V4A	3001,25/ V4A	5930846	7138 74 6		471
DFAAM 400 DD	4001,25/ St / DD	5930693	7138 68 8		269
DFAAM 400 FS	4001,25/ St / FS	5930624	7138 64 8		269
DFAAM 400 V2A	4001,25/ V2A	5930785	7138 72 8		427
DFAAM 400 V4A	4001,25/ V4A	5930853	7138 74 8		471
DFAAM 500 DD	5001,25/ St / DD	5930709	7138 69 0		269
DFAAM 500 FS	5001,25/ St / FS	5930631	7138 65 0		269
DFAAM 500 V2A	5001,25/ V2A	5930792	7138 73 0		427
DFAAM 500 V4A	5001,25/ V4A	5930860	7138 75 0		471
DFAAM 600 DD	6001,25/ St / DD	5930716	7138 69 2		269
DFAAM 600 FS	6001,25/ St / FS	5930648	7138 65 2		269
DFAAM 600 V2A	6001,25/ V2A	5930808	7138 73 2		427
DFAAM 600 V4A	6001,25/ V4A	5930877	7138 75 2		471
DFB BKS90100	1004,5/ Al / DD	5079187	7130 74 1		281
DFB BKS90200	2004,5/ Al / DD	5079194	7130 74 3		281
DFB BKS90300	3004,5/ Al / DD	5079200	7130 74 5		281
DFB BKS90400	4004,75/ Al / DD	5079231	7130 74 7		281
DFB BKS90500	5004,75/ Al / DD	5079248	7130 74 9		281
DFB BKS90550	5504,75/ Al / DD	5079255	7130 75 1		281
DFB BKS90600	6004,75/ Al / DD	5079262	7130 75 3		281
DFBM 45 100 DD	1001,25/ St / DD	5928836	7138 40 0		269
DFBM 45 100 FS	1001,25/ St / FS	5928751	7138 36 0		269
DFBM 45 100 V2A	1001,25/ V2A	5928942	7138 43 0		426
DFBM 45 100 V4A	1001,25/ V4A	5929017	7138 45 0		470
DFBM 45 150 DD	1501,25/ St / DD	5928843	7138 40 2		269
DFBM 45 150 FS	1501,25/ St / FS	5928768	7138 36 2		269
DFBM 45 150 V2A	1501,25/ V2A	5928959	7138 43 2		426
DFBM 45 150 V4A	1501,25/ V4A	5929024	7138 45 2		470
DFBM 45 200 DD	2001,25/ St / DD	5928867	7138 40 4		269
DFBM 45 200 FS	2001,25/ St / FS	5928775	7138 36 4		269
DFBM 45 200 V2A	2001,25/ V2A	5928966	7138 43 4		426
DFBM 45 200 V4A	2001,25/ V4A	5929031	7138 45 4		470
DFBM 45 300 DD	3001,25/ St / DD	5928874	7138 40 6		269
DFBM 45 300 FS	3001,25/ St / FS	5928782	7138 36 6		269
DFBM 45 300 V2A	3001,25/ V2A	5928973	7138 43 6		426
DFBM 45 300 V4A	3001,25/ V4A	5929048	7138 45 6		470
DFBM 45 400 DD	4001,25/ St / DD	5928881	7138 40 8		269
DFBM 45 400 FS	4001,25/ St / FS	5928799	7138 36 8		269
DFBM 45 400 V2A	4001,25/ V2A	5928980	7138 43 8		426
DFBM 45 400 V4A	4001,25/ V4A	5929055	7138 45 8		470
DFBM 45 500 DD	5001,25/ St / DD	5928904	7138 41 0		269
DFBM 45 500 FS	5001,25/ St / FS	5928812	7138 37 0		269
DFBM 45 500 V2A	5001,25/ V2A	5928997	7138 44 0		426
DFBM 45 500 V4A	5001,25/ V4A	5929062	7138 46 0		470
DFBM 45 600 DD	6001,25/ St / DD	5928911	7138 41 2		269
DFBM 45 600 FS	6001,25/ St / FS	5928829	7138 37 2		269
DFBM 45 600 V2A	6001,25/ V2A	5929000	7138 44 2		426
DFBM 45 600 V4A	6001,25/ V4A	5929079	7138 46 2		470
DFBM 90 100 DD	1001,25/ St / DD	5929192	7138 54 0		269
DFBM 90 100 FS	1001,25/ St / FS	5929093	7138 50 0		269
DFBM 90 100 V2A	1001,25/ V2A	5929260	7138 57 0		426
DFBM 90 100 V4A	1001,25/ V4A	5929338	7138 59 0		471
DFBM 90 150 DD	1501,25/ St / DD	5929208	7138 54 2		269
DFBM 90 150 FS	1501,25/ St / FS	5929109	7138 50 2		269
DFBM 90 150 V2A	1501,25/ V2A	5929277	7138 57 2		426
DFBM 90 150 V4A	1501,25/ V4A	5929345	7138 59 2		471
DFBM 90 200 DD	2001,25/ St / DD	5929215	7138 54 4		269
DFBM 90 200 FS	2001,25/ St / FS	5929116	7138 50 4		269
DFBM 90 200 V2A	2001,25/ V2A	5929284	7138 57 4		426
DFBM 90 200 V4A	2001,25/ V4A	5929352	7138 59 4		471
DFBM 90 300 DD	3001,25/ St / DD	5929222	7138 54 6		269
DFBM 90 300 FS	3001,25/ St / FS	5929123	7138 50 6		269
DFBM 90 300 V2A	3001,25/ V2A	5929291	7138 57 6		426
DFBM 90 300 V4A	3001,25/ V4A	5929369	7138 59 6		471
DFBM 90 400 DD	4001,25/ St / DD	5929239	7138 54 8		269
DFBM 90 400 FS	4001,25/ St / FS	5929130	7138 50 8		269
DFBM 90 400 V2A	4001,25/ V2A	5929307	7138 57 8		426
DFBM 90 400 V4A	4001,25/ V4A	5929376	7138 59 8		471
DFBM 90 500 DD	5001,25/ St / DD	5929246	7138 55 0		269
DFBM 90 500 FS	5001,25/ St / FS	5929147	7138 51 0		269
DFBM 90 500 V2A	5001,25/ V2A	5929314	7138 58 0		426
DFBM 90 500 V4A	5001,25/ V4A	5929383	7138 60 0		471
DFBM 90 600 DD	6001,25/ St / DD	5929253	7138 55 2		269
DFBM 90 600 FS	6001,25/ St / FS	5929154	7138 51 2		269
DFBM 90 600 V2A	6001,25/ V2A	5929321	7138 58 2		426
DFBM 90 600 V4A	6001,25/ V4A	5929390	7138 60 2		471
DFKM 100 DD	1001,25/ St / DD	5931324	7138 97 0		270
DFKM 100 FS	1001,25/ St / FS	5931256	7138 93 0		270

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
DFKM 100 V2A	100 1,25/ V2A	5931416	7139 02 0		427
DFKM 100 V4A	100 1,25/ V4A	5931485	7139 04 0		471
DFKM 150 DD	150 1,25/ St / DD	5931355	7138 97 2		270
DFKM 150 FS	150 1,25/ St / FS	5931263	7138 93 2		270
DFKM 150 V2A	150 1,25/ V2A	5931423	7139 02 2		427
DFKM 150 V4A	150 1,25/ V4A	5931492	7139 04 2		471
DFKM 200 DD	200 1,25/ St / DD	5931362	7138 97 4		270
DFKM 200 FS	200 1,25/ St / FS	5931270	7138 93 4		270
DFKM 200 V2A	200 1,25/ V2A	5931430	7139 02 4		427
DFKM 200 V4A	200 1,25/ V4A	5931508	7139 04 4		471
DFKM 300 DD	300 1,25/ St / DD	5931379	7138 97 6		270
DFKM 300 FS	300 1,25/ St / FS	5931287	7138 93 6		270
DFKM 300 V2A	300 1,25/ V2A	5931447	7139 02 6		427
DFKM 300 V4A	300 1,25/ V4A	5931515	7139 04 6		471
DFKM 400 DD	400 1,25/ St / DD	5931386	7138 97 8		270
DFKM 400 FS	400 1,25/ St / FS	5931294	7138 93 8		270
DFKM 400 V2A	400 1,25/ V2A	5931454	7139 02 8		427
DFKM 400 V4A	400 1,25/ V4A	5931522	7139 04 8		471
DFKM 500 DD	500 1,25/ St / DD	5931393	7138 98 0		270
DFKM 500 FS	500 1,25/ St / FS	5931300	7138 94 0		270
DFKM 500 V2A	500 1,25/ V2A	5931461	7139 03 0		427
DFKM 500 V4A	500 1,25/ V4A	5931539	7139 05 0		471
DFKM 600 DD	600 1,25/ St / DD	5931409	7138 98 2		270
DFKM 600 FS	600 1,25/ St / FS	5931317	7138 94 2		270
DFKM 600 V2A	600 1,25/ V2A	5931478	7139 03 2		427
DFKM 600 V4A	600 1,25/ V4A	5931546	7139 05 2		471
DFTM 100 DD	100 1,25/ St / DD	5930952	7138 83 0		270
DFTM 100 FS	100 1,25/ St / FS	5930884	7138 79 0		270
DFTM 100 V2A	100 1,25/ V2A	5931072	7138 86 0		427
DFTM 100 V4A	100 1,25/ V4A	5931164	7138 88 0		471
DFTM 150 DD	150 1,25/ St / DD	5930969	7138 83 2		270
DFTM 150 FS	150 1,25/ St / FS	5930891	7138 79 2		270
DFTM 150 V2A	150 1,25/ V2A	5931089	7138 86 2		427
DFTM 150 V4A	150 1,25/ V4A	5931171	7138 88 2		471
DFTM 200 DD	200 1,25/ St / DD	5931003	7138 83 4		270
DFTM 200 FS	200 1,25/ St / FS	5930907	7138 79 4		270
DFTM 200 V2A	200 1,25/ V2A	5931119	7138 86 4		427
DFTM 200 V4A	200 1,25/ V4A	5931188	7138 88 4		471
DFTM 300 DD	300 1,25/ St / DD	5931010	7138 83 6		270
DFTM 300 FS	300 1,25/ St / FS	5930914	7138 79 6		270
DFTM 300 V2A	300 1,25/ V2A	5931126	7138 86 6		427
DFTM 300 V4A	300 1,25/ V4A	5931195	7138 88 6		471
DFTM 400 DD	400 1,25/ St / DD	5931027	7138 83 8		270
DFTM 400 FS	400 1,25/ St / FS	5930921	7138 79 8		270
DFTM 400 V2A	400 1,25/ V2A	5931133	7138 86 8		427
DFTM 400 V4A	400 1,25/ V4A	5931201	7138 88 8		471
DFTM 500 DD	500 1,25/ St / DD	5931058	7138 84 0		270
DFTM 500 FS	500 1,25/ St / FS	5930938	7138 80 0		270
DFTM 500 V2A	500 1,25/ V2A	5931140	7138 87 0		427
DFTM 500 V4A	500 1,25/ V4A	5931232	7138 89 0		471
DFTM 600 DD	600 1,25/ St / DD	5931065	7138 84 2		270
DFTM 600 FS	600 1,25/ St / FS	5930945	7138 80 2		270
DFTM 600 V2A	600 1,25/ V2A	5931157	7138 87 2		427
DFTM 600 V4A	600 1,25/ V4A	5931249	7138 89 2		471
				/100 pc.	
DIN 128 A M10 G	10,5 18,1-18,1 / ST / G	5302414	3405 10 9		215
DIN 128 A M12 G	12,5 21,1-21,1 / ST / G	5302476	3405 12 5		215
DIN 128 A M6 G	6,3 11,8-11,8 / ST / G	5302292	3405 06 0		215
DIN 128 A M8 G	8,3 14,8-14,8 / ST / G	5302353	3405 08 7		215
DIN 6798 A M10 G	10,5 18-18 / ST / G	5301752	3404 10 2		215
DIN 6798 A M12 G	13 20,5-20,5 / ST / G	5301813	3404 12 9		215
DIN 6798 A M6 G	6,4 11-11 / ST / G	5301639	3404 06 4		215
DIN 6798 A M8 G	8,4 15-15 / ST / G	5301691	3404 08 0		215
DIN 6798 M6 VA	6,4 11/ V2A	5301936	3404 33 1		215
DIN 6798 M8 VA	8,4 15/ V2A	5301998	3404 35 8		215
DIN 6923 M10 VA	10 17/ V2A	5849711	3156 12 2		216
DIN 6923 M12 VA	12 19/ V2A	5849728	3156 12 6		216
DIN 6923 M8 VA	8 13/ V2A	5849643	3156 12 0		216
DIN 934 M10 G	10 8,4/ ST / G	5298212	3400 10 7		216
DIN 934 M10 VA	10 8,4/ V2A	5297796	3397 10 6		216
DIN 934 M10 VA	10 8,4/ V2A	5297796	3397 10 6		416
DIN 934 M12 G	12 10,8/ ST / G	5298274	3400 12 3		216
DIN 934 M12 VA	12 10,8/ V2A	5297857	3397 11 4		216
DIN 934 M12 VA	12 10,8/ V2A	5297857	3397 11 4		416
DIN 934 M6 G	6 5,2/ ST / G	5298090	3400 06 9		216
DIN 934 M6 VA	6 5,2/ V2A	5297673	3397 06 8		216
DIN 934 M6 VA	6 5,2/ V2A	5297673	3397 06 8		416
DIN 934 M8 G	8 6,8/ ST / G	5298151	3400 08 5		216
DIN 934 M8 VA	8 6,8/ V2A	5297734	3397 08 4		216
DIN 934 M8 VA	8 6,8/ V2A	5297734	3397 08 4		416
DIN440 11 F	11 34-34 / St / F	6480074	6408 72 9		214

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
DIN440 14 F	14 44-44 / St / F	6480135	6408 73 7		214
DIN440 7 F	7 22-22 / St / F	6479955	6408 70 2		214
DIN440 9 F	9 28-28 / St / F	6480012	6408 71 0		214
DIN934 M10 F	10 8,4/ ST / F	5298519	3400 36 0		216
DIN934 M12 F	12 10,8/ ST / F	5298571	3400 37 9		216
DIN934 M6 F	6 5,2/ ST / F	5298397	3400 34 4		216
DIN934 M8 F	8 6,8/ ST / F	5298458	3400 35 2		216
				/pc.	
DKL 110 VA4310	120,9/ V2A	6517213	6065 55 4		268
DKL 35 VA4310	50,9/ V2A	6517930	6065 50 3		268
DKL 45 VA4310	60,9/ V2A	6517879	6065 51 1		268
DKL 60 VA4310	75,9/ V2A	6517817	6065 53 8		268
DKL 85 VA4310	95,9/ V2A	6517756	6065 54 6		268
				/m	
DKS 610 VA4301	1000,8/ V2A	6070459	6085 60 1		421
DKS 610 VA4571	1000,8/ V4A	6181933	6085 66 8		466
DKS 620 VA4301	2000,8/ V2A	6070510	6085 62 8		421
DKS 620 VA4571	2000,8/ V4A	6343218	6085 67 2		466
DKS 630 VA4301	3000,8/ V2A	6070572	6085 63 6		421
DKS 630 VA4571	300 1/ V4A	6955510	6085 67 3		466
DKS 640 VA4301	400 1/ V2A	6070633	6085 64 4		421
DKS 640 VA4571	400 1/ V4A	5020998	6085 67 5		466
DKS 650 VA4301	500 1/ V2A	6070695	6085 65 2		421
DKS 650 VA4571	500 1/ V4A	5021001	6085 67 7		466
DKS 660 VA4301	600 1/ V2A	6070756	6085 66 0		421
DKS 660 VA4571	600 1/ V4A	5021032	6085 67 9		466
				/100 pc.	
DKU VA4310	/ V2A	6441372	6065 60 0		268
DKU VA4310	/ V2A	6441372	6065 60 0		297
DKU VA4310	/ V2A	6441372	6065 60 0		396
DKU VA4310	/ V2A	6441372	6065 60 0		426
DKU VA4310	/ V2A	6441372	6065 60 0		435
DKU VA4310	/ V2A	6441372	6065 60 0		470
				/m	
DRL 050 DD	500,75/ ST / DD	6038718	6052 70 0		268
DRL 050 FS	500,75/ St / FS	6057856	6052 05 3		268
DRL 075 FS	750,75/ St / FS	6385577	6052 02 9		379
DRL 075 FS	750,75/ St / FS	6385577	6052 02 9		268
DRL 100 DD	1000,75/ ST / DD	6038770	6052 70 3		268
DRL 100 FS	1000,75/ St / FS	6057979	6052 09 6		268
DRL 100 VA4301	100 1/ V2A	6058877	6052 87 8		426
DRL 100 VA4571	100/ V4A	5675679	6052 98 0		470
DRL 150 DD	150 1/ ST / DD	6038831	6052 70 6		268
DRL 150 FS	150 1/ St / FS	6058099	6052 15 0		268
DRL 200 DD	200 1/ ST / DD	6038893	6052 70 9		324
DRL 200 DD	200 1/ ST / DD	6038893	6052 70 9		268
DRL 200 FS	200 1/ St / FS	6058150	6052 20 7		324
DRL 200 FS	200 1/ St / FS	6058150	6052 20 7		268
DRL 200 VA4301	200 1/ V2A	6058938	6052 89 4		440
DRL 200 VA4301	200 1/ V2A	6058938	6052 89 4		426
DRL 200 VA4571	200/ V4A	5866169	6052 98 1		470
DRL 300 DD	300 1/ ST / DD	6038954	6052 71 2		324
DRL 300 DD	300 1/ ST / DD	6038954	6052 71 2		268
DRL 300 FS	300 1/ St / FS	6058273	6052 30 4		324
DRL 300 FS	300 1/ St / FS	6058273	6052 30 4		268
DRL 300 VA4301	300 1/ V2A	6058990	6052 90 8		440
DRL 300 VA4301	300 1/ V2A	6058990	6052 90 8		426
DRL 300 VA4571	300/ V4A	6955817	6052 98 3		470
				/pc.	
DRL 311 2 FT	/ ST / FT	6064519	6065 14 7		268
DRL 311 FT	/ ST / FT	6064335	6065 00 7		268
				/m	
DRL 400 DD	400 1/ ST / DD	6039012	6052 71 5		324
DRL 400 DD	400 1/ ST / DD	6039012	6052 71 5		268
DRL 400 FS	400 1/ St / FS	6058396	6052 40 1		324
DRL 400 FS	400 1/ St / FS	6058396	6052 40 1		268
DRL 400 VA4301	400 1/ V2A	6059058	6052 93 2		440

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
DRL 400 VA4301	400 1/ V2A	6059058	6052 93 2		426
DRL 400 VA4571	400/ V4A	5870883	6052 98 4		470
DRL 500 DD	500 1,25/ ST / DD	6039074	6052 71 8		324
DRL 500 DD	500 1,25/ ST / DD	6039074	6052 71 8		268
DRL 500 FS	500 1,25/ St / FS	6058518	6052 50 9		324
DRL 500 FS	500 1,25/ St / FS	6058518	6052 50 9		268
DRL 500 VA4301	500 1,25/ V2A	6059119	6052 95 9		440
DRL 500 VA4301	500 1,25/ V2A	6059119	6052 95 9		426
DRL 500 VA4571	500/ V4A	5870890	6052 98 5		470
DRL 550 DD	550 1,25/ ST / DD	6039135	6052 72 1		268
DRL 550 FS	550 1,25/ St / FS	6058631	6052 56 8		268
DRL 600 DD	600 1,25/ ST / DD	6039197	6052 72 4		324
DRL 600 DD	600 1,25/ ST / DD	6039197	6052 72 4		268
DRL 600 FS	600 1,25/ St / FS	6058754	6052 60 6		324
DRL 600 FS	600 1,25/ St / FS	6058754	6052 60 6		268
DRL 600 VA4301	600 1,25/ V2A	6059171	6052 97 5		440
DRL 600 VA4301	600 1,25/ V2A	6059171	6052 97 5		426
DRL 600 VA4571	600/ V4A	5866190	6052 98 6		470
DRL AB NG230 FT	3000 200/ St / FT	5924531	6051 23 2		324
DRL AB NG230 FT	3000 200/ St / FT	5924531	6051 23 2		350
DRL AB NG330 FT	3000 300/ St / FT	5924548	6051 23 3		324
DRL AB NG330 FT	3000 300/ St / FT	5924548	6051 23 3		350
DRL AB NG430 FT	3000 400/ St / FT	5924586	6051 23 4		324
DRL AB NG430 FT	3000 400/ St / FT	5924586	6051 23 4		350
DRL AB NG530 FT	3000 500/ St / FT	5924593	6051 23 5		324
DRL AB NG530 FT	3000 500/ St / FT	5924593	6051 23 5		350
DRL AB NG630 FT	3000 600/ St / FT	5924609	6051 23 6		324
DRL AB NG630 FT	3000 600/ St / FT	5924609	6051 23 6		350
DRL BKS 10 3	100 2,5/ Al	5732624	6052 78 5		281
DRL BKS 20 3	200 2,5/ Al	5732631	6052 78 7		281
DRL BKS 30 3	300 2,5/ Al	5862611	6052 78 9		281
DRL BKS 40 3	400 2,5/ Al	5732648	6052 79 1		281
DRL BKS 60 3	600 2,5/ Al	5732655	6052 79 5		281
DRL BKS10 ALU	100 2,5/ Al	5078784	6052 75 0		281
DRL BKS20 ALU	200 2,5/ Al	5078814	6052 75 2		281
DRL BKS30 ALU	300 2,5/ Al	5078821	6052 75 5		281
DRL BKS40 ALU	400 2,5/ Al	5078838	6052 75 7		281
DRL BKS50 ALU	500 2,5/ Al	5078845	6052 75 9		281
DRL BKS55 ALU	550 2,5/ Al	5078968	6052 76 1		281
DRL BKS60 ALU	600 2,5/ Al	5078999	6052 76 3		281
				/pc.	
DRLM 316 DD	/ ST / DD	6333134	6222 36 6		269
DRLM 316 DD	/ ST / DD	6333134	6222 36 6		324
DRLM 316 VA4301	/ V2A	6167173	6222 35 8		324
DRLM 316 VA4301	/ V2A	6167173	6222 35 8		426
DRLM 316 VA4301	/ V2A	6167173	6222 35 8		440
				/m	
DRLU 050 DD	500,75/ ST / DD	6657490	6052 64 0		267
DRLU 050 DD	500,75/ ST / DD	6657490	6052 64 0		296
DRLU 050 FS	500,75/ St / FS	6029655	6052 05 6		267
DRLU 050 FS	500,75/ St / FS	6029655	6052 05 6		296
DRLU 050 VA4301	501/ V2A	6031818	6052 82 1		425
DRLU 050 VA4301	501/ V2A	6031818	6052 82 1		434
DRLU 100 DD	1000,75/ ST / DD	6657551	6052 64 3		267
DRLU 100 DD	1000,75/ ST / DD	6657551	6052 64 3		296
DRLU 100 FS	1000,75/ St / FS	6029716	6052 10 3		267
DRLU 100 FS	1000,75/ St / FS	6029716	6052 10 3		296
DRLU 100 VA4301	1001/ V2A	6031931	6052 82 4		425
DRLU 100 VA4301	1001/ V2A	6031931	6052 82 4		434
DRLU 100 VA4571	1001/ V4A	5021124	6052 99 1		470
DRLU 150 DD	1500,75/ ST / DD	6657612	6052 64 7		267
DRLU 150 DD	1500,75/ ST / DD	6657612	6052 64 7		296
DRLU 150 FS	1500,75/ St / FS	6030019	6052 15 3		267
DRLU 150 FS	1500,75/ St / FS	6030019	6052 15 3		296
DRLU 150 VA4301	1501/ V2A	6031993	6052 82 8		425
DRLU 150 VA4301	1501/ V2A	6031993	6052 82 8		434
DRLU 200 DD	2001/ ST / DD	6657674	6052 65 0		267
DRLU 200 DD	2001/ ST / DD	6657674	6052 65 0		296
DRLU 200 FS	2001/ St / FS	6030071	6052 21 0		267
DRLU 200 FS	2001/ St / FS	6030071	6052 21 0	/m	296
DRLU 200 VA4301	2001/ V2A	6032051	6052 83 1		425
DRLU 200 VA4301	2001/ V2A	6032051	6052 83 1		434
DRLU 200 VA4571	2001/ V4A	5021155	6052 99 3		470
DRLU 300 DD	3001/ ST / DD	6336678	6052 65 6		267
DRLU 300 DD	3001/ ST / DD	6336678	6052 65 6		296
DRLU 300 FS	3001/ St / FS	6031399	6052 30 7		267
DRLU 300 FS	3001/ St / FS	6031399	6052 30 7		296
DRLU 300 VA4301	3001/ V2A	6032174	6052 83 4		425
DRLU 300 VA4301	3001/ V2A	6032174	6052 83 4		434
DRLU 300 VA4571	3001/ V4A	5021162	6052 99 4		470
DRLU 400 DD	4001/ ST / DD	6336739	6052 66 2		267
DRLU 400 DD	4001/ ST / DD	6336739	6052 66 2		296
DRLU 400 FS	4001/ St / FS	6031511	6052 40 5		267
DRLU 400 FS	4001/ St / FS	6031511	6052 40 5		296
DRLU 400 VA4301	4001/ V2A	6032235	6052 83 7		425
DRLU 400 VA4301	4001/ V2A	6032235	6052 83 7		434
DRLU 400 VA4571	4001/ V4A	5021216	6052 99 5		470
DRLU 500 DD	500 1,25/ ST / DD	6336791	6052 66 8		267
DRLU 500 DD	500 1,25/ ST / DD	6336791	6052 66 8		296
DRLU 500 FS	500 1,25/ St / FS	6031634	6052 51 2		267
DRLU 500 FS	500 1,25/ St / FS	6031634	6052 51 2		296
DRLU 500 VA4301	500 1,25/ V2A	6032297	6052 84 1		425
DRLU 500 VA4301	500 1,25/ V2A	6032297	6052 84 1		434
DRLU 500 VA4571	500 1,25/ V4A	5021223	6052 99 6		470
DRLU 550 DD	550 1,25/ ST / DD	6336852	6052 67 1		267
DRLU 550 FS	550 1,25/ St / FS	6031696	6052 57 1		267
DRLU 600 DD	600 1,25/ ST / DD	6336913	6052 67 4		296
DRLU 600 DD	600 1,25/ ST / DD	6336913	6052 67 4		267
DRLU 600 FS	600 1,25/ St / FS	6031757	6052 60 9		296
DRLU 600 FS	600 1,25/ St / FS	6031757	6052 60 9		267
DRLU 600 VA4301	600 1,25/ V2A	6032358	6052 84 4		425
DRLU 600 VA4301	600 1,25/ V2A	6032358	6052 84 4		434
DRLU 600 VA4571	600 1,25/ V4A	5021247	6052 99 8		470
				/pc.	
DS 4 FS	/ St / FS	6202997	6416 55 1		167
DS 4 FT	/ ST / FT	6555611	6416 58 6		167
DS 4 VA4301	/ V2A	5617884	6416 59 4		404
DSK 25 FT	/ St / FT	6229277	6416 44 6		169
DSK 25 VA4301	/ V2A	5706045	6416 44 8		406
DSK 25 VA4571	/ V4A	5618485	6416 45 0		458
DSK 45 FT	/ St / FT	6202812	6416 50 0		172
DSK 45 FT	/ St / FT	6202812	6416 50 0		176
DSK 45 VA4301	/ V2A	6202751	6416 48 9		408
DSK 45 VA4301	/ V2A	6202751	6416 48 9		411
DSK 45 VA4571	/ V4A	6818235	6416 46 2		460
DSK 47 FT	/ St / FT	6894253	6416 50 4		173
DSK 47 VA4301	/ V2A	5018346	6416 50 7		408
DSK 47 VA4571	/ V4A	5018407	6416 51 1		460
DSK 61 FT	/ St / FT	6202874	6416 51 9		175
DSK 61 VA4301	/ V2A	6202935	6416 52 7		410
EKBV RST20i3 SW	29 x 23/ PA	5892359	6069 79 8		370
				/m	
EKS 610 FS	1002/ St / FS	6542659	6056 14 8		240
EKS 610 FT	1002/ ST / FT	6333677	6056 77 6		240
EKS 620 FS	2002/ St / FS	6114672	6056 22 9		240
EKS 620 FT	2002/ ST / FT	6333738	6056 79 2		240
EKS 630 FS	3002/ St / FS	6389834	6056 32 6		240
EKS 630 FT	3002/ ST / FT	6333790	6056 80 6		240
EKS 640 FS	4002/ St / FS	6625215	6056 42 3		240
EKS 640 FT	4002/ ST / FT	6333493	6056 97 0		240
EKS 645 FT	4502/ St / FT	6963027	6056 97 8		240
EKS 650 FS	5002/ St / FS	6625277	6056 52 0		240
EKS 650 FT	5002/ ST / FT	6333554	6056 98 9		240
EKS 660 FS	6002/ St / FS	6389896	6056 62 8		240

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
EKS 660 FT	6002/ ST / FT	6333615	6056 99 7		240
EKS 675 FT	7502/ St / FT	5919926	6056 99 6		240
EKS 690 FT	9002/ St / FT	5919957	6056 99 8		240
EKSU 110 FS	1002/ ST / FS	5710868	6063 39 1		260
EKSU 110 FS	1002/ ST / FS	5710868	6063 39 1		278
EKSU 120 FS	2002/ ST / FS	5710875	6063 39 3		260
EKSU 120 FS	2002/ ST / FS	5710875	6063 39 3		278
EKSU 130 FS	3002/ St / FS	5862628	6063 39 4		260
EKSU 130 FS	3002/ St / FS	5862628	6063 39 4		278
EKSU 140 FS	4002/ ST / FS	5710882	6063 39 5		260
EKSU 140 FS	4002/ ST / FS	5710882	6063 39 5		278
EKSU 160 FS	6002/ ST / FS	5710899	6063 39 7		260
EKSU 160 FS	6002/ ST / FS	5710899	6063 39 7		278
ELB-L 20 FS	2001/ ST / FS	6420735	6103 23 5		324
ELB-L 20 FS	2001/ ST / FS	6420735	6103 23 5		341
ELB-L 30 FS	3001/ ST / FS	6420858	6103 25 1		324
ELB-L 30 FS	3001/ ST / FS	6420858	6103 25 1		341
ELB-L 40 FS	4001/ ST / FS	6420971	6103 28 6		324
ELB-L 40 FS	4001/ ST / FS	6420971	6103 28 6		341
ELB-L 50 FS	5001/ ST / FS	6421091	6103 31 6		324
ELB-L 50 FS	5001/ ST / FS	6421091	6103 31 6		341
ELB-L 60 FS	6001/ ST / FS	6421213	6103 33 2		324
ELB-L 60 FS	6001/ ST / FS	6421213	6103 33 2		341
ELB-L20 VA4301	2003000/ V2A	5037354	6103 61 4		444
ELB-L30 VA4301	3003000/ V2A	5037361	6103 61 8		444
ELB-L40 VA4301	4003000/ V2A	5037378	6103 62 2		444
ELB-L50 VA4301	5003000/ V2A	5037385	6103 62 6		444
ELB-L60 VA4301	6003000/ V2A	5037415	6103 63 0		444
				/100 pc.	
FAZ II 10 10 GS	M10/ ST / G	5888499	3498 54 9		217
FAZ II 10 100	M10/ St / G	5049500	3498 59 7		217
FAZ II 10 30	M10/ ST / G	5888550	3498 58 1		217
FAZ II 10 30 V4A	M10115/ V4A	5805502	3498 58 4		217
FAZ II 10/10GS V	M 1095/ V4A	5692713	3498 82 4		417
FAZ II 10/10GS V	M 1095/ V4A	5692713	3498 82 4		217
FAZ II 10/10GS V	M 1095/ V4A	5692713	3498 82 4		464
FAZ II 10/50 V4A	M10135/ V4A	5688808	3498 83 5		217
FAZ II 10/50 V4A	M10135/ V4A	5688808	3498 83 5		417
FAZ II 10/50 V4A	M10135/ V4A	5688808	3498 83 5		464
FAZ II 10100 V4A	M10185/ V4A	5909880	3498 60 1		464
FAZ II 12 10	M12/ ST / G	5888611	3498 65 4		217
FAZ II 12/10 VA	M12110/ V4A	5692652	3498 85 9		417
FAZ II 12/10 VA	M12110/ V4A	5692652	3498 85 9		217
FAZ II 12/10 VA	M12110/ V4A	5692652	3498 85 9		464
FAZ II 8 10 GS	M8/ ST / G	5888437	3498 50 6		217
FAZ II 8 30 GS	M8/ St / G	5504252	3498 48 4		217
FAZ II 810VA4401	M875/ V4A	5706076	3498 50 9		217
FAZ II 810VA4401	M875/ V4A	5706076	3498 50 9		417
FAZ II 810VA4401	M875/ V4A	5706076	3498 50 9		464
FAZ II 830VA4401	M895/ V4A	5706069	3498 48 7		217
FAZ II 830VA4401	M895/ V4A	5706069	3498 48 7		417
FAZ II 830VA4401	M895/ V4A	5706069	3498 48 7		464
FCM F	M6 x 1212/ St / F	5438519	6424 54 8		212
				/m	
FESP 40 5 FT	3000/ St / FT	5705529	7104 35 6		382
FESP 40 5 SG	3000/ St / SG	5705536	7104 35 8		382
FESP 50 5	30005/ ST	6239719	7104 36 7		208
FESP L 50 4 BK	30004/ ST	6239832	7104 96 0		208
FESP Q 50 4 BK	30004/ ST	6239771	7104 66 9		208
				/100 pc.	
F-FIX-B10	/ PP	5070085	5403 12 4		298
F-FIX-B16	/ PP	5548959	5403 23 5		297
F-FIX-S10		5070078	5403 11 7		297
F-FIX-S16		5548898	5403 22 7		297
FH II 18X80	M12120/ ST / G	5489139	3498 74 3		217
FHY M10	M1010/ St / G	5599111	3498 76 4		218
FHY M8	M88/ St / G	5598930	3498 76 0		218
FIS A M10X110	11010/ St / G	5714316	3488 30 6		219
FIS A M10X130	13010/ St / G	5437390	3488 30 8		219
FIS A M12X120	12012/ St / G	5437406	3488 31 2		219
FIS A M6X70	706/ St / G	5437376	3488 29 2		219
FIS A M8X90	908/ St / G	5437383	3488 29 8		219
				/pc.	
FIS DMS	Red	5318910	3488 52 7		220
				/100 pc.	
FIS H 12X50 K	1250/ PP	5437437	3488 45 2		219
FIS H 12X85 K	1285/ PP	5437444	3488 46 4		219
FIS H 16X85 K	1685/ PP	5714255	3488 46 2		219
FIS H 20X85 K	2085/ PP	5437451	3488 46 8		219
				/pc.	
FIS PBB	151/ St	5437499	3488 52 5		220
				/100 pc.	
FIS PBZ	/ PP	5437468	3488 51 5		220
				/pc.	
FIS V 360 S		5319276	3488 40 3		219
				/100 pc.	
FNA II 6X30 M6/5	M66/ ST / G	5461890	3498 42 5		217
FNA II 6X30/5	156/ St / G	5693192	3498 46 8		217
FRS 10X20 F	M10 x 2020/ St / F	6201730	6407 47 1		212
FRS 10X20 VA4301	M10 x 2020/ V2A	6200894	6406 86 6		212
FRS 10X20 VA4301	M10 x 2020/ V2A	6200894	6406 86 6		416
FRS 10X20 VA4401	M10 x 20/ V4A	6822072	6406 87 0		458
FRS 10X20 VA4401	M10 x 20/ V4A	6822072	6406 87 0		463
FRS 10X20SVA4401	M10 x 20/ V4A	6437894	6406 87 2		463
FRS 10X25 F	M10 x 2525/ St / F	6201792	6407 52 8		212
FRS 10X25 F 8.8	M10 x 2525/ St / F	6201914	6407 56 0		170
FRS 10X25 F 8.8	M10 x 2525/ St / F	6201914	6407 56 0		173
FRS 10X25 F 8.8	M10 x 2525/ St / F	6201914	6407 56 0		212
FRS 10X25 F TPS	M10 x 2525/ St / F	6201853	6407 53 6		167
FRS 10X25 F TPS	M10 x 2525/ St / F	6201853	6407 53 6		212
FRS 10X25 VA4301	M10 x 2525/ V2A	6200474	6406 71 8		406
FRS 10X25 VA4301	M10 x 2525/ V2A	6200474	6406 71 8		408
FRS 10X25 VA4301	M10 x 2525/ V2A	6200474	6406 71 8		212
FRS 10X25 VA4301	M10 x 2525/ V2A	6200474	6406 71 8		416
FRS 10x25 VA4401	M10 x 25/ V4A	5925262	6407 52 4		463
FRS 10X30 F	M10 x 3030/ St / F	6201976	6407 57 9		212
FRS 10X30 VA4301	M10 x 3030/ V2A	6200535	6406 72 6		212
FRS 10X30 VA4301	M10 x 3030/ V2A	6200535	6406 72 6		416
FRS 12X25 F	M12 x 2525/ St / F	6200054	6406 25 4		177
FRS 12X25 F	M12 x 2525/ St / F	6200054	6406 25 4		212
FRS 12X25 VA4301	M12 x 2525/ V2A	6200597	6406 75 0		410
FRS 12X25 VA4301	M12 x 2525/ V2A	6200597	6406 75 0		212
FRS 12X25 VA4301	M12 x 2525/ V2A	6200597	6406 75 0		416
FRS 12X25 VA4401	M12 x 25/ V4A	6064328	6406 78 5		463
FRS 12X30 F	M12 x 3030/ St / F	6200115	6406 27 0		212
FRS 12X30 VA4301	M12 x 3030/ V2A	6200658	6406 76 9		212
FRS 12X30 VA4301	M12 x 3030/ V2A	6200658	6406 76 9		416
FRS 6X12 VA4301	M6 x 1212/ V2A	6200238	6406 52 1		212
FRS 6X12 VA4301	M6 x 1212/ V2A	6200238	6406 52 1		416
FRS 6X12 VA4401	M6 x 12/ V4A	6291311	6406 56 4		463
FRS 6X16 VA4301	M6 x 1615/ V2A	6200290	6406 55 6		212
FRS 6X16 VA4301	M6 x 1615/ V2A	6200290	6406 55 6		416
FRS 6X16 VA4401	M6 x 16/ V4A	6817573	6406 58 0		463
FRS 6X20 VA4301	M6 x 2020/ V2A	6200351	6406 60 2		212
FRS 6X20 VA4301	M6 x 2020/ V2A	6200351	6406 60 2		416
FRS 6X20 VA4401	M6 x 20/ V4A	6603077	6406 61 0		463
FRS 8X16 F 5.6	M8 x 1616/ St / F	6201198	6406 93 9		212
FRS 8X16 F 8.8	M8 x 1616/ St / F	6201259	6406 96 3		212
FRS 8X16 VA4301	M8 x 1616/ V2A	6200412	6406 69 6		212
FRS 8X16 VA4301	M8 x 1616/ V2A	6200412	6406 69 6		416
FRS 8X20 F	M8 x 2020/ ST / F	6201310	6406 97 1		212
FRS 8X20 VA4301	M8 x 2020/ V2A	6200719	6406 80 7		212
FRS 8X20 VA4301	M8 x 2020/ V2A	6200719	6406 80 7		416
FRS 8X25 F	M8 x 2525/ St / F	6201372	6406 99 8		212
FRS 8X25 VA4301	M8 x 2525/ V2A	6200771	6406 81 5		212
FRS 8X25 VA4301	M8 x 2525/ V2A	6200771	6406 81 5		416
FRS 8X35 F	M8 x 3535/ St / F	6201433	6407 04 8		212
FRS 8X35 VA4301	M8 x 3535/ V2A	6200832	6406 82 3		212
FRS 8X35 VA4301	M8 x 3535/ V2A	6200832	6406 82 3		416
FRSB 6X12 F	M6 x 1212/ St / F	6199815	6406 12 2		399
FRSB 6X12 F	M6 x 1212/ St / F	6199815	6406 12 2		212
FRSB 6X12 G	M6 x 1212/ ST / G	6563111	6406 13 0		212
FRSB 6X12 VA4301	M6 x 1212/ V2A	6077595	6406 13 8		212
FRSB 6X12 VA4301	M6 x 1212/ V2A	6077595	6406 13 8		416
FRSB 6X12 VA4301	M6 x 1212/ V2A	6077595	6406 13 8		453
FRSB 6X12 VA4401	M6 x 1212/ V4A	6078370	6406 14 2		463

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
FRSB 6X12 VZ F	M6 x 12 12/ St / F	5059585	6406 12 5		212
FRSB 6X12 VZ G	M6 x 12 12/ ST / G	5059561	6406 13 3		212
FRSB 6X15 F	M6 x 15 15/ St / F	6199877	6406 15 7		399
FRSB 6X15 F	M6 x 15 15/ St / F	6199877	6406 15 7		212
FRSB 6X16 VA4301	M6 x 16 16/ V2A	6077717	6406 18 9		212
FRSB 6X16 VA4301	M6 x 16 16/ V2A	6077717	6406 18 9		416
FRSB 6X16 VA4301	M6 x 16 16/ V2A	6077717	6406 18 9		453
FRSB 6X16 VA4401	M6 x 16 16/ V4A	6078431	6406 19 3		463
FRSB 6X20 F	M6 x 20 20/ St / F	6199990	6406 20 3		399
FRSB 6X20 F	M6 x 20 20/ St / F	6199990	6406 20 3		212
FRSB 6X20 G	M6 x 20 20/ ST / G	6616152	6406 18 1		212
FRSB 6x20 VA4301	M6 x 20 20/ V2A	5925248	6406 20 5		212
FRSB 6x20 VA4301	M6 x 20 20/ V2A	5925248	6406 20 5		416
FRSB 6x20 VA4401	20 20/ V4A	5925255	6406 20 7		463
FRSB 6X30 F	M6 x 30 30/ St / F	5045243	6406 90 7		212
				/pc.	
FVM 110 DD	110 100/ St / DD	6054824	6065 91 0		262
FVM 115 DD	110 150/ St / DD	6054831	6065 91 2		262
FVM 120 DD	110 200/ St / DD	6054879	6065 91 4		262
FVM 130 DD	110 300/ St / DD	6054886	6065 91 6		262
FVM 140 DD	110 400/ St / DD	6054930	6065 91 8		262
FVM 150 DD	110 500/ St / DD	6054947	6065 92 0		262
FVM 160 DD	110 600/ St / DD	6054954	6065 92 2		262
FVM 610 DD	60 100/ St / DD	6053797	6065 71 0		241
FVM 610 VA 4301	60 100/ V2A	6053971	6065 73 0		423
FVM 610 VA 4571	60 100/ V4A	6054114	6065 75 0		468
FVM 615 DD	60 150/ St / DD	6053803	6065 71 2		241
FVM 615 VA 4301	60 150/ V2A	6053988	6065 73 2		423
FVM 615 VA 4571	60 150/ V4A	6054152	6065 75 2		468
FVM 620 DD	60 200/ St / DD	6053858	6065 71 4		241
FVM 620 VA 4301	60 200/ V2A	6053995	6065 73 4		423
FVM 620 VA 4571	60 200/ V4A	6054169	6065 75 4		468
FVM 630 DD	60 300/ St / DD	6053865	6065 71 6		241
FVM 630 VA 4301	60 300/ V2A	6054039	6065 73 6		423
FVM 630 VA 4571	60 300/ V4A	6054213	6065 75 6		468
FVM 640 DD	60 400/ St / DD	6053872	6065 71 8		241
FVM 640 VA 4301	60 400/ V2A	6054046	6065 73 8		423
FVM 640 VA 4571	60 400/ V4A	6054220	6065 75 8		468
FVM 650 DD	60 500/ St / DD	6053919	6065 72 0		241
FVM 650 VA 4301	60 500/ V2A	6054091	6065 74 0		423
FVM 650 VA 4571	60 500/ V4A	6054237	6065 76 0		468
FVM 660 DD	60 600/ St / DD	6053926	6065 72 2		241
FVM 660 VA 4301	60 600/ V2A	6054107	6065 74 2		423
FVM 660 VA 4571	60 600/ V4A	6054275	6065 76 2		468
FVM 810 DD	85 100/ St / DD	6054282	6065 81 0		252
FVM 815 DD	85 150/ St / DD	6054336	6065 81 2		252
FVM 820 DD	85 200/ St / DD	6054343	6065 81 4		252
FVM 830 DD	85 300/ St / DD	6054350	6065 81 6		252
FVM 840 DD	85 400/ St / DD	6054398	6065 81 8		252
FVM 850 DD	85 500/ St / DD	6054404	6065 82 0		252
FVM 860 DD	85 600/ St / DD	6054466	6065 82 2		252
				/100 pc.	
FZEA II 10X40 G	M8 10/ ST / G	5454038	3492 03 6		217
FZEA II 10X40 VA	M8 10/ V4A	5025177	3492 14 5		218
FZEA II 10X40 VA	M8 10/ V4A	5025177	3492 14 5		417
FZEA II 10X40 VA	M8 10/ V4A	5025177	3492 14 5		464
FZEA II 12X40 G	M10 12/ ST / G	5454090	3492 06 0		217
FZEA II 12X40 VA	M10 12/ V4A	5025184	3492 15 0		218
FZEA II 12X40 VA	M10 12/ V4A	5025184	3492 15 0		417
FZEA II 12X40 VA	M10 12/ V4A	5025184	3492 15 0		464
FZEA II 14X40 G	M12 14/ ST / G	5454151	3492 09 5		217
FZEA II 14X40V4A	M12 14/ V4A	5909835	3492 09 7		218
FZEA II 14X40V4A	M12 14/ V4A	5909835	3492 09 7		417
FZEA II 14X40V4A	M12 14/ V4A	5909835	3492 09 7		464
				/pc.	
FZED 10 Plus	/ ST / G	5454212	3492 62 1		218
FZED 10 Plus	/ ST / G	5454212	3492 62 1		417
FZED 12 Plus	/ ST / G	5454274	3492 66 4		218
FZED 12 Plus	/ ST / G	5454274	3492 66 4		417
FZED 14 Plus	/ ST / G	5454335	3492 69 9		218
FZUB 10X40	10 10/ ST	5454397	3492 33 8		218
FZUB 10X40	10 10/ ST	5454397	3492 33 8		417
FZUB 12X40	12 10/ ST	5454458	3492 36 2		218
FZUB 12X40	12 10/ ST	5454458	3492 36 2		417
FZUB 14X40	14 10/ ST	5454519	3492 39 7		218

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
G22 M10 G	M10 8/ St / G	5897040	1146 39 4		205
G22 M10 V4A	M10 8/ V4A	5942009	1146 40 6		205
G22 M12 G	M12 9,5/ St / G	5897057	1146 39 6		205
G22 M12 V4A	M12 9,5/ V4A	5942030	1146 40 8		205
G22 M6 G	M6 6/ St / G	5896999	1146 39 0		205
G22 M6 V4A	M6 6/ V4A	5941989	1146 40 1		205
G22 M8 G	M8 8/ St / G	5897002	1146 39 2		205
G22 M8 V4A	M8 8/ V4A	5941996	1146 40 3		205
				/pc.	
GABA RST20i3 BL	47 x 35/ PA	5892311	6069 79 3		369
GABI RST20i3 BL	69 x 35/ PA	5892328	6069 79 5		369
GEV 36 FT	/ ST / FT	6013272	6016 72 3		293
GEV 36 G	/ St / G	6307876	6016 71 5		293
GEV 36 VA4301	/ V2A	6013333	6016 73 1		433
GEV 36 VA4401 SP	/ V4A	6120253	6016 76 4		475
				/m	
G-GRM 125 75 FT	75 125/ St / FT	5686415	6005 52 6		299
G-GRM 125 75 G	75 125/ St / G	5686453	6005 54 1		299
G-GRM 125 75V2A	75 125/ V2A	5686491	6005 55 6		430
G-GRM 125 75V4A	75 125/ V4A	5771647	6005 57 1		474
G-GRM 150 100 FT	100 155/ St / FT	5686422	6005 52 9		299
G-GRM 150 100 G	100 155/ St / G	5686460	6005 54 4		299
G-GRM 150 100V2A	100 155/ V2A	5686507	6005 55 9		430
G-GRM 150 100V4A	100 155/ V4A	5771654	6005 57 4		474
G-GRM 50 50 FT	55 55/ St / FT	5686392	6005 52 0		299
G-GRM 50 50 G	55 55/ St / G	5686439	6005 53 5		299
G-GRM 50 50V2A	55 55/ V2A	5686477	6005 55 0		429
G-GRM 50 50V4A	55 55/ V4A	5771593	6005 56 5		474
G-GRM 75 50 FT	53 73/ St / FT	5686408	6005 52 3		299
G-GRM 75 50 G	53 73/ St / G	5686446	6005 53 8		299
G-GRM 75 50V2A	53 73/ V2A	5686484	6005 55 3		429
G-GRM 75 50V4A	53 73/ V4A	5771609	6005 56 8		474
				/pc.	
GKB 34 G	/ St / G	5694052	6016 67 4		292
GKB 34 VA	/ V2A	5694069	6016 67 6		292
GKB 34 VA	/ V2A	5694069	6016 67 6		432
GKS 34 FT	/ ST / FT	6013395	6016 82 0		291
GKS 34 FT	/ ST / FT	6013395	6016 82 0		301
GKS 34 G	/ ST / G	7261436	6016 85 5		291
GKS 34 VA4301	/ V2A	6013456	6016 83 9		431
GKS 34 VA4301	/ V2A	6013456	6016 83 9		435
GKS 34 VA4401 SP	/ V4A	6120437	6016 85 9		475
GKS 50 07 FS	7/ ST / FS	6421398	6015 26 3		295
GKS 50 07 FT	7/ St / FT	6785353	6015 27 1		295
GKS 50 11 FS	11/ ST / FS	6965847	6015 27 6		295
GKS 50 11 FT	11/ St / FT	6965908	6015 27 8		295
GKS 50 11 V4A	11/ V4A	6937394	6015 28 0		477
GKT 38 FT	/ ST / FT	6013630	6017 06 1		292
GKT 38 FT	/ ST / FT	6013630	6017 06 1		301
GKT 38 G	/ St / G	6307937	6017 03 7		292
GKT 38 VA4301	/ V2A	6013579	6017 04 5		431
GKT 38 VA4401 SP	/ V4A	6120499	6017 09 2		475
GMA M10 FS	11/ ST / FS	6421510	6015 24 7		295
GMA M10 FT	11/ ST / FT	6942619	6015 25 5		295
GMA M10 VA4401	/ V4A	6942671	6015 26 1		476
GMA M6 FS	7/ ST / FS	6421695	6015 22 0		295
GMA M6 FT	7/ ST / FT	5649786	6015 22 4		295
GMA M6 VA4401	/ V4A	5928720	6015 22 8		476
GMA M8 FS	9/ ST / FS	6421572	6015 23 9		295
GMA M8 FT	9/ St / FT	5928737	6015 24 3		295
GMA M8 VA4401	/ V4A	5928744	6015 24 5		476
				/100 pc.	
GMF22 M10 G	M10 8/ St / G	5445661	1146 45 9		205
GMF22 M10 V4A	M10 8/ V4A	5890478	1146 43 8		205
GMF22 M12 G	M12 9,5/ St / G	5445678	1146 46 3		205
GMF22 M12 V4A	M12 9,5/ V4A	5890485	1146 44 2		205
GMF22 M6 G	M6 6/ St / G	5445616	1146 45 1		205
GMF22 M6 V4A	M6 6/ V4A	5890454	1146 43 0		205
GMF22 M8 G	M8 8/ St / G	5445623	1146 45 5		205

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
GMF22 M8 V4A	M8 6/ V4A	5890461	1146 43 4		205
GMH18 M10 VA	10-10 / V4A	5084907	1146 56 0		415
GMH18 M12 VA	12-12 / V4A	5084167	1146 56 2		415
GMH18 M6 VA	6-6 / V4A	5084129	1146 55 6		415
GMH18 M8 VA	8-8 / V4A	5084150	1146 55 8		415
GMH22 M10 VA	10-10 / V4A	5084211	1146 65 0		415
GMH22 M12 VA	12-12 / V4A	5084228	1146 65 2		415
GMH22 M6 VA	6-6 / V4A	5084174	1146 64 6		415
GMH22 M8 VA	8-8 / V4A	5084181	1146 64 8		415
GMLF22 M10 F	M10 8/ St / F	6083381	1146 71 0		206
GMLF22 M10 V4A	M10 8/ V4A	6083565	1146 69 0		206
GMLF22 M12 F	M12 9/ St / F	6083404	1146 71 2		206
GMLF22 M12 V4A	M12 9/ V4A	6083589	1146 69 2		206
GMLF22 M6 F	M6 5/ St / F	6083442	1146 70 6		206
GMLF22 M6 V4A	M6 5/ V4A	6083503	1146 68 6		206
GMLF22 M8 F	M8 6/ St / F	6083466	1146 70 8		206
GMLF22 M8 V4A	M8 6/ V4A	6083527	1146 68 8		206
GMS 1 VP FT	150/ St / FT	5486015	1124 64 3		203
GMS 1 VP G	150/ St / G	5485759	1124 60 3		203
				/pc.	
GMS 170 FS	170/ ST / FS	6940875	6015 40 0		294
GMS 170 VA4404	170/ V4A	6952090	6015 41 8		295
GMS 170 VA4404	170/ V4A	6952090	6015 41 8		434
GMS 170 VA4404	170/ V4A	6952090	6015 41 8		476
				/100 pc.	
GMS 2 VP FT	40/ St / FT	5486022	1124 64 5		202
GMS 2 VP G	40/ St / G	5485766	1124 60 5		202
GMS 2 VW 90 FT	60/ St / FT	5486091	1124 65 9		204
GMS 2 VW 90 G	60/ St / G	5485919	1124 61 9		204
				/pc.	
GMS 270 FS	270/ ST / FS	6940936	6015 40 2		294
GMS 270 VA4404	270/ V4A	6952151	6015 41 9		295
GMS 270 VA4404	270/ V4A	6952151	6015 41 9		434
GMS 270 VA4404	270/ V4A	6952151	6015 41 9		476
				/100 pc.	
GMS 3 O 4121 FT	40/ St / FT	5486152	1124 67 1		204
GMS 3 O 4121 G	40/ St / G	5485971	1124 63 1		204
GMS 3 O 4141 FT	10/ St / FT	5486169	1124 67 3		203
GMS 3 O 4141 G	10/ St / G	5485988	1124 63 3		203
GMS 3 VP FT	80/ St / FT	5486039	1124 64 7		202
GMS 3 VP G	80/ St / G	5485803	1124 60 7		202
GMS 3 VP L FT	40/ St / FT	5486060	1124 65 3		203
GMS 3 VP L G	40/ St / G	5485865	1124 61 3		203
GMS 3 VW 45 FT	40/ St / FT	5486138	1124 66 7		204
GMS 3 VW 45 G	40/ St / G	5485957	1124 62 7		204
GMS 3 VW 90 FT	40/ St / FT	5486107	1124 66 1		204
GMS 3 VW 90 G	40/ St / G	5485926	1124 62 1		204
				/pc.	
GMS 370 FS	370/ ST / FS	6940998	6015 40 4		294
GMS 370 VA4404	370/ V4A	6952212	6015 42 0		295
GMS 370 VA4404	370/ V4A	6952212	6015 42 0		434
GMS 370 VA4404	370/ V4A	6952212	6015 42 0		476
				/100 pc.	
GMS 4 KD 90 FT	10/ St / FT	5486121	1124 66 5		205
GMS 4 KD 90 G	10/ St / G	5485940	1124 62 5		205
GMS 4 VP FT	40/ St / FT	5486046	1124 64 9		202
GMS 4 VP G	40/ St / G	5485810	1124 60 9		202
GMS 4 VP T FT	10/ St / FT	5486077	1124 65 5		203
GMS 4 VP T G	10/ St / G	5485872	1124 61 5		203
GMS 4 VW 45 FT	40/ St / FT	5486145	1124 66 9		204
GMS 4 VW 45 G	40/ St / G	5485964	1124 62 9		204
GMS 4 VW 90 FT	30/ St / FT	5486114	1124 66 3		204
GMS 4 VW 90 G	30/ St / G	5485933	1124 62 3		204
				/pc.	
GMS 470 FS	470/ ST / FS	6941056	6015 40 6		294
GMS 470 VA4404	470/ V4A	6952274	6015 42 1		295
GMS 470 VA4404	470/ V4A	6952274	6015 42 1		434
GMS 470 VA4404	470/ V4A	6952274	6015 42 1		476
				/100 pc.	
GMS 5 VP FT	10/ St / FT	5486053	1124 65 1		202
GMS 5 VP G	10/ St / G	5485827	1124 61 1		202
GMS 5 VP X FT	10/ St / FT	5486084	1124 65 7		203
GMS 5 VP X G	10/ St / G	5485889	1124 61 7		203
				/pc.	
GMS 570 FS	570/ ST / FS	6941117	6015 40 8		294
GMS 570 VA4404	570/ V4A	6952335	6015 42 2		295
GMS 570 VA4404	570/ V4A	6952335	6015 42 2		434
GMS 570 VA4404	570/ V4A	6952335	6015 42 2		476
GP 15 28 FT	/ ST / FT	6296354	6357 00 8		398
GP 31 28 FT	/ ST / FT	6296415	6357 01 6		398
				/m	
GR 155 300 FT	300 6/ St / FT	5380276	6003 69 2		290
GR 155 300 G	300 6/ St / G	5380153	6003 68 1		290
GR 155 450 FT	450 6/ St / FT	5380283	6003 69 5		290
GR 155 450 G	450 6/ St / G	5380160	6003 68 4		290
GR 155 500 FT	500 6/ St / FT	5382553	6003 69 6		290
GR 155 500 G	500 6/ St / G	5382546	6003 68 5		290
GR 155 600 FT	600 6/ St / FT	5380313	6003 69 8		290
GR 155 600 G	600 6/ St / G	5380191	6003 68 7		290
				/pc.	
GR BS	450/ ST	6931330	6017 70 0		298
				/100 pc.	
GR KS 3.9 OR	Pastel orange/ PE	5872887	6003 75 0		298
GR KS 4.8 OR	Pastel orange/ PE	5872894	6003 75 4		298
GR KS 6.0 OR	Pastel orange/ PE	5872900	6003 75 8		298
				/pc.	
GRB 90 110 FT	1003,9/ ST / FT	6002054	6002 30 7		289
GRB 90 110 G	1003,9/ St / G	5456230	6002 37 0		289
GRB 90 115 FT	1503,9/ ST / FT	6027361	6002 31 1		289
GRB 90 115 G	1503,9/ St / G	5456247	6002 37 2		289
GRB 90 120 FT	2004,4/ ST / FT	6002115	6002 31 5		289
GRB 90 120 G	2004,4/ St / G	5456254	6002 37 4		289
GRB 90 130 FT	3004,8/ ST / FT	6002177	6002 32 3		289
GRB 90 130 G	3004,8/ St / G	5456261	6002 37 6		289
GRB 90 140 FT	4004,8/ ST / FT	6002238	6002 33 1		289
GRB 90 140 G	4004,8/ St / G	5456278	6002 37 8		289
GRB 90 145 G	4504,8/ St / G	5456285	6002 38 0		289
GRB 90 150 FT	5004,8/ ST / FT	6002290	6002 35 8		289
GRB 90 150 G	5004,8/ St / G	5456292	6002 38 2		289
GRB 90 160 FT	6004,8/ ST / FT	6002351	6002 36 6		289
GRB 90 160 G	6004,8/ St / G	5456308	6002 38 4		289
GRB 90 510 FT	1003,9/ ST / FT	6001699	6002 21 8		287
GRB 90 510 G	1003,9/ St / G	6352630	6001 92 0		287
GRB 90 515 FT	1503,9/ ST / FT	6027248	6002 22 2		287
GRB 90 515 G	1503,9/ St / G	6624799	6001 99 8		287
GRB 90 520 FT	2003,9/ ST / FT	6001750	6002 22 6		287
GRB 90 520 G	2003,9/ St / G	6352692	6001 93 9		287
GRB 90 530 FT	3004,4/ ST / FT	6001811	6002 23 4		287
GRB 90 530 G	3004,4/ St / G	6352753	6001 94 7		287
GRB 90 540 FT	4004,8/ ST / FT	6001873	6002 24 2		287
GRB 90 540 G	4004,8/ St / G	6352814	6001 95 5		287
GRB 90 545 G	4504,8/ St / G	5847847	6001 95 7		287
GRB 90 550 FT	5004,8/ ST / FT	6001934	6002 25 0		287
GRB 90 550 G	5004,8/ St / G	6352876	6001 96 3		287
GRB 90 560 FT	6004,8/ ST / FT	6001996	6002 26 9		287
GRB 90 560 G	6004,8/ St / G	6352937	6001 97 1		287
				/m	
GRM 105 100 FT	1003,9/ St / FT	6021239	6002 43 1		288
GRM 105 100 G	1003,9/ ST / G	6020270	6002 40 2		288
GRM 105 150 FT	1503,9/ St / FT	6021352	6002 43 3		288
GRM 105 150 G	1503,9/ ST / G	6020393	6002 40 4		288
GRM 105 200 FT	2004,8/ St / FT	6021475	6002 43 5		288
GRM 105 200 G	2004,8/ ST / G	6020515	6002 40 6		288
GRM 105 300 FT	3004,8/ St / FT	6021598	6002 43 7		288
GRM 105 300 G	3004,8/ ST / G	6020638	6002 40 8		288
GRM 105 400 FT	4004,8/ St / FT	6021710	6002 43 9		288
GRM 105 400 G	4004,8/ ST / G	6020751	6002 41 0		288
GRM 105 450 FT	4504,8/ St / FT	6021833	6002 44 1		288
GRM 105 450 G	4504,8/ St / G	6020874	6002 41 3		288
GRM 105 500 FT	5004,8/ St / FT	6021956	6002 44 3		288
GRM 105 500 G	5004,8/ ST / G	6020997	6002 41 5		288
GRM 105 600 FT	6004,8/ St / FT	6022076	6002 44 5		288
GRM 105 600 G	6004,8/ ST / G	6021116	6002 41 7		288
GRM 35 100 FT	1003,9/ St / FT	5037200	6000 07 1		284

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
GRM 35 100 G	1003,9/ St / G	5037149	6000 06 2		284
GRM 35 100VA4301	1003,9/ V2A	5467700	6000 05 5		428
GRM 35 100VA4401	1003,9/ V4A	5360759	6000 08 7		472
GRM 35 150 FT	1503,9/ St / FT	5037231	6000 07 2		284
GRM 35 150 G	1503,9/ St / G	5037170	6000 06 3		284
GRM 35 150VA4301	1503,9/ V2A	5467731	6000 05 6		428
GRM 35 150VA4401	1503,9/ V4A	5360766	6000 08 9		472
GRM 35 200 FT	2003,9/ St / FT	5037248	6000 07 3		284
GRM 35 200 G	2003,9/ St / G	5037187	6000 06 4		284
GRM 35 200VA4301	2003,9/ V2A	5470724	6000 05 7		428
GRM 35 200VA4401	2003,9/ V4A	5360773	6000 09 0		472
GRM 35 300 FT	3004,8/ St / FT	5037255	6000 07 5		284
GRM 35 300 G	3004,8/ St / G	5037194	6000 06 6		284
GRM 35 300VA4301	3004,8/ V2A	5470731	6000 05 9		428
GRM 35 300VA4401	3004,8/ V4A	5360780	6000 09 1		472
GRM 35 50 FT	503,9/ St / FT	5624820	6000 06 9		284
GRM 35 50 G	503,9/ St / G	5624813	6000 06 0		284
GRM 35 50VA4301	503,9/ V2A	5650591	6000 05 4		428
GRM 35 50VA4401	503,9/ V4A	5978077	6000 08 6		472
GRM 55 100 F	1003,9/ ST / F	6317233	6001 04 0		285
GRM 55 100 FT	1003,9/ St / FT	6814879	6001 41 6		285
GRM 55 100 G	1003,9/ St / G	6858552	6001 44 2		285
GRM 55 100VA4301	1003,9/ V2A	6101290	6001 07 2		428
GRM 55 100VA4401	1003,9/ V4A	5166016	6001 08 8		473
GRM 55 150 F	1503,9/ ST / F	6317356	6001 04 4		285
GRM 55 150 FT	1503,9/ St / FT	6078912	6001 41 8		285
GRM 55 150 G	1503,9/ St / G	6078974	6001 44 4		285
GRM 55 150VA4301	1503,9/ V2A	6101351	6001 07 4		428
GRM 55 150VA4401	1503,9/ V4A	5166023	6001 09 0		473
GRM 55 200 4.8 G	2004,8/ St / G	5045274	6001 44 7		285
GRM 55 200 4.8FT	2004,8/ St / FT	5045281	6001 42 1		285
GRM 55 200 F	2003,9/ ST / F	6317479	6001 04 7		285
GRM 55 200 FT	2003,9/ St / FT	6814930	6001 42 0		285
GRM 55 200 G	2003,9/ St / G	6858613	6001 44 6		285
GRM 55 200VA4301	2003,9/ V2A	6101412	6001 07 6		428
GRM 55 200VA4401	2003,9/ V4A	5166061	6001 09 1		473
GRM 55 300 F	3004,8/ ST / F	6323531	6001 05 0		285
GRM 55 300 FT	3004,8/ St / FT	6815050	6001 42 4		285
GRM 55 300 G	3004,8/ St / G	6858675	6001 44 8		285
GRM 55 300VA4301	3004,8/ V2A	6101771	6001 07 8		428
GRM 55 300VA4401	3004,8/ V4A	5166078	6001 09 3		473
GRM 55 400 F	4004,8/ ST / F	6323838	6001 05 3		285
GRM 55 400 FT	4004,8/ St / FT	6815111	6001 42 8		285
GRM 55 400 G	4004,8/ St / G	6858736	6001 45 0		285
GRM 55 400VA4301	4004,8/ V2A	6102198	6001 08 0		428
GRM 55 400VA4401	4004,8/ V4A	5166085	6001 09 5		473
GRM 55 450 FT	4504,8/ St / FT	6018062	6001 43 0		285
GRM 55 450 G	4504,8/ St / G	6018185	6001 45 1		285
GRM 55 450VA4301	4504,8/ V2A	5874850	6001 08 1		428
GRM 55 450VA4401	4504,8/ V4A	5874867	6001 09 6		473
GRM 55 50 FT	503,9/ St / FT	5430940	6001 41 5		285
GRM 55 50 G	503,9/ St / G	5430957	6001 44 1		285
GRM 55 500 F	5004,8/ ST / F	6324132	6001 05 6		285
GRM 55 500 FT	5004,8/ St / FT	6815173	6001 43 2		285
GRM 55 500 G	5004,8/ St / G	6858798	6001 45 2		285
GRM 55 500VA4301	5004,8/ V2A	6102259	6001 08 2		428
GRM 55 500VA4401	5004,8/ V4A	5166122	6001 09 7		473
GRM 55 50VA4301	503,9/ V2A	5430933	6001 07 0		428
GRM 55 50VA4401	503,9/ V4A	5431046	6001 08 7		473
GRM 55 600 F	6004,8/ ST / F	6324439	6001 05 9		285
GRM 55 600 FT	6004,8/ St / FT	6815234	6001 43 6		285
GRM 55 600 G	6004,8/ St / G	6858859	6001 45 4		285
GRM 55 600VA4301	6004,8/ V2A	6102310	6001 08 5		428
GRM 55 600VA4401	6004,8/ V4A	5166139	6001 09 9		473
GRM105 100VA4301	1003,9/ V2A	5149620	6002 45 1		429
GRM105 100VA4401	1003,9/ V4A	5874904	6002 47 5		473
GRM105 150VA4301	1503,9/ V2A	5422624	6002 45 5		429
GRM105 150VA4401	1503,9/ V4A	5874911	6002 47 6		473
GRM105 200VA4301	2004,8/ V2A	5149637	6002 45 7		429
GRM105 200VA4401	2004,8/ V4A	5874928	6002 47 7		473
GRM105 300VA4301	3004,8/ V2A	5149644	6002 46 0		429
GRM105 300VA4401	3004,8/ V4A	5874959	6002 47 9		473
GRM105 400VA4301	4004,8/ V2A	5149675	6002 46 3		429
GRM105 400VA4401	4004,8/ V4A	5874966	6002 48 1		473
GRM105 450VA4301	4504,8/ V2A	5874898	6002 46 4		429
GRM105 450VA4401	4504,8/ V4A	5874973	6002 48 2		473
GRM105 500VA4301	5004,8/ V2A	5149682	6002 46 6		429
GRM105 500VA4401	5004,8/ V4A	5874980	6002 48 3		473
GRM105 600VA4301	6004,8/ V2A	5771586	6002 46 9		429
GRM105 600VA4401	6004,8/ V4A	5875017	6002 48 5		473

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
GRM-2T 55 200 G	200/ St / G	5438649	6006 39 5		286
GRM-2T 55 300	300/ St / G	5438656	6006 39 6		286
GRM-2T 55 400 G	400/ St / G	5438663	6006 39 7		286
GRM-T 55 100 G	10059,5/ ST / G	6150854	6006 45 3		286
GRM-T 55 200 G	20059,5/ ST / G	6151219	6006 45 5		286
GRM-T 55 300 G	300199,5/ ST / G	6151578	6006 45 6		286
GRM-T 55 400 G	400299,5/ ST / G	6151936	6006 45 7		286
GRM-T 55 500 G	500399,5/ ST / G	6152292	6006 45 8		286
				/pc.	
GRS 3.9 DD	/ ST / DD	6518111	6016 54 5		291
GRS 4.4 DD	/ ST / DD	6518050	6016 55 3		291
GRS 4.8 DD	/ ST / DD	6517992	6016 56 1		291
GRV 245 DD	245/ ST / DD	6054251	6016 68 4		291
GRV 245 FS	245/ ST / FS	6052578	6016 68 0		291
GRV 245 VA4404	245/ V4A	6054312	6016 68 8		431
GRV 245 VA4404	245/ V4A	6054312	6016 68 8		475
GSV 34 FT	/ ST / FT	6013159	6016 63 4		291
GSV 34 FT	/ ST / FT	6013159	6016 63 4		301
GSV 34 G	/ St / G	6520510	6016 59 6		291
GSV 34 VA4301	/ V2A	6013210	6016 64 2		431
GSV 34 VA4301	/ V2A	6013210	6016 64 2		435
GSV 34 VA4401	/ V4A	6120079	6016 64 8		475
GSV 6.0 FT	/ St / FT	5390152	6016 59 0		291
GSV 6.0 G	/ St / G	5390121	6016 58 9		291
				/100 pc.	
GVMS 4 ASV FT	20/ St / FT	5486008	1124 64 1		203
GVMS 4 ASV G	20/ St / G	5485742	1124 60 1		203
				/m	
GW 40 80 FT	2000/ ST / FT	6002955	6003 81 8		297
				/100 pc.	
HKF22 M10x30 G	M1030/ St / G	5445739	1148 96 1		206
HKF22 M10x30 V4A	M1030/ V4A	5941934	1148 99 6		206
HKF22 M10x50 G	M1050/ St / G	5445746	1148 96 6		206
HKF22 M10x50 V4A	M1050/ V4A	5941941	1148 99 8		206
HKF22 M12x30 G	M1230/ St / G	5445784	1148 97 2		206
HKF22 M12x30 V4A	M1230/ V4A	5941972	1149 00 2		206
HKF22 M8x30 G	M830/ St / G	5445685	1148 95 0		206
HKF22 M8x30 V4A	M830/ V4A	5941910	1148 99 0		206
HKF22 M8x50 G	M850/ St / G	5445722	1148 95 5		206
HKF22 M8x50 V4A	M850/ V4A	5941927	1148 99 2		206
HMS-KS5X50	5 x 5050/ ST / G	5964100	3498 20 4		218
HS M6 45 V4A	M6/ V4A	5732549	1154 97 0		383
HS M6 VA4567	M6/ V2A	5463399	1154 99 0		292
HS M6 VA4567	M6/ V2A	5463399	1154 99 0		301
HS M6 VA4567	M6/ V2A	5463399	1154 99 0		433
HS M8 60 V4A	M8/ V4A	5732570	1154 97 5		383
				/m	
IKSM 610 FS	1001/ St / FS	5834403	6059 91 0		238
IKSM 610 FT	1001/ St / FT	5834472	6059 92 7		238
IKSM 615 FS	1501/ St / FS	5834410	6059 91 2		238
IKSM 615 FT	1501/ St / FT	5834489	6059 92 9		238
IKSM 620 FS	2001/ St / FS	5834427	6059 91 4		238
IKSM 620 FT	2001/ St / FT	5834526	6059 93 1		238
IKSM 630 FS	3001/ St / FS	5834434	6059 91 6		238
IKSM 630 FT	3001/ St / FT	5834533	6059 93 3		238
IKSM 640 FS	4001/ St / FS	5834441	6059 91 8		238
IKSM 640 FT	4001/ St / FT	5834540	6059 93 5		238
IKSM 650 FS	5001/ St / FS	5834458	6059 92 0		238
IKSM 650 FT	5001/ St / FT	5834588	6059 93 7		238
IKSM 660 FS	6001/ St / FS	5834465	6059 92 2		238

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
IKSM 660 FT	600 1/ St / FT	5834595	6059 93 9		238
				/pc.	
IS 8 100 FT	1000/ ST / FT	6183197	6337 11 2		190
IS 8 110 FT	1100/ ST / FT	6183258	6337 12 0		190
IS 8 120 FT	1200/ ST / FT	5804550	6337 13 9		190
IS 8 130 FT	1300/ ST / FT	5805038	6337 14 7		190
IS 8 140 FT	1400/ ST / FT	5934936	6337 15 5		190
IS 8 150 FT	1500/ ST / FT	6183494	6337 16 3		190
IS 8 160 FT	1600/ ST / FT	5934752	6337 17 1		190
IS 8 170 FT	1700/ ST / FT	6183616	6337 19 8		190
IS 8 180 FT	1800/ ST / FT	5934875	6337 20 1		190
IS 8 190 FT	1900/ ST / FT	5934219	6337 22 8		190
IS 8 200 FT	2000/ ST / FT	6183791	6337 23 6		190
IS 8 30 FT	300/ ST / FT	6182770	6337 03 1		190
IS 8 300 FT	3000/ ST / FT	6183852	6337 24 4		190
IS 8 40 FT	400/ ST / FT	6182831	6337 05 8		190
IS 8 50 FT	500/ ST / FT	6182893	6337 06 6		190
IS 8 60 FT	600/ ST / FT	6182954	6337 07 4		190
IS 8 600 FT	6000/ ST / FT	6183913	6337 25 2		190
IS 8 70 FT	700/ ST / FT	6183012	6337 08 2		190
IS 8 80 FT	800/ ST / FT	6183074	6337 09 0		190
IS 8 90 FT	900/ ST / FT	6183135	6337 10 4		190
IS 8 K 100 FT	1000/ ST / FT	6196814	6361 21 8		189
IS 8 K 110 FT	1100/ ST / FT	6196876	6361 23 4		189
IS 8 K 120 FT	1200/ ST / FT	6196937	6361 25 0		189
IS 8 K 130 FT	1300/ ST / FT	6196999	6361 27 7		189
IS 8 K 140 FT	1400/ ST / FT	6197057	6361 29 3		189
IS 8 K 150 FT	1500/ ST / FT	6197118	6361 31 5		189
IS 8 K 160 FT	1600/ ST / FT	6197170	6361 33 1		189
IS 8 K 170 FT	1700/ ST / FT	6197231	6361 36 6		189
IS 8 K 180 FT	1800/ ST / FT	6197293	6361 38 2		189
IS 8 K 20 FT	200/ ST / FT	6196333	6361 02 1		189
IS 8 K 200 FT	2000/ ST / FT	6197415	6361 42 0		189
IS 8 K 30 FT	300/ ST / FT	6196395	6361 05 6		189
IS 8 K 40 FT	400/ ST / FT	6196456	6361 07 2		189
IS 8 K 50 FT	500/ ST / FT	6196517	6361 09 9		189
IS 8 K 60 FT	600/ ST / FT	6196579	6361 11 0		189
IS 8 K 70 FT	700/ ST / FT	6196630	6361 13 7		189
IS 8 K 80 FT	800/ ST / FT	6196692	6361 15 3		189
IS 8 K 90 FT	900/ ST / FT	6196753	6361 18 8		189
IS 8 KS OR	Pastel orange/ PE	5668077	6338 51 9		189
IS 8 KS OR	Pastel orange/ PE	5668077	6338 51 9		354
K 11 262 FT	/ St / FT	6359172	6015 10 7		291
K 12 1818 FS	/ ST / FS	6208876	6437 10 9		293
K 60 FT	6050/ ST / FT	6465972	6348 40 8		215
K 70 FT	7070/ ST / FT	6466092	6348 44 0		215
K12 1818 VA4301	/ V2A	6013036	6016 42 1		293
K12 1818 VA4301	/ V2A	6013036	6016 42 1		433
KA-ASY FT	/ ST / FT	6346875	6346 82 0		177
KA-ASY FT	/ ST / FT	6346875	6346 82 0		192
KA-AW 30 FT	140/ ST / FT	6536832	6346 71 5		197
KA-AW 80 FT	270/ ST / FT	6536894	6346 73 1		197
KAB GR FS	/ St / FS	5677932	6220 13 9		296
KAB GR FT	/ St / FT	5807124	6220 14 2		296
KAB GR VA 1.4301	/ V2A	5807155	6220 14 5		434
KA-E 45 FT	400/ ST / FT	6340156	6346 75 8		187
KA-E 45 FT	400/ ST / FT	6340156	6346 75 8		197
KA-EA FT	/ St / FT	5703938	6346 76 3		188
KA-SY FT	/ ST / FT	6346813	6346 80 4		176
KA-SY FT	/ ST / FT	6346813	6346 80 4		191
KI 8 AOX FT	/ ST / FT	6190638	6347 08 8		191
KI 8 FT	/ ST / FT	6190515	6347 05 3		190
KI 8 NOK FT	/ ST / FT	6190577	6347 06 1		190
KI 8 VLK FT	/ ST / FT	6190997	6348 15 7		191
KI 8 VLP FT	/ ST / FT	6190874	6347 84 3		191
KI 8 VQP FT	/ ST / FT	6190935	6348 10 6		191
KL 20 FT	20/ ST / FT	6003013	6003 85 0		297
KL 30 FT	30/ ST / FT	6003075	6003 86 9		297
KL 42 FT	25/ St / FT	6509355	7103 36 0		387
KL 42 VA 4571	25/ V4A	5708575	7103 36 8		387
KL 62 FT	40/ St / FT	6509294	7103 38 7		387
KL 62 VA 4571	40/ V4A	5708599	7103 39 3		387
KL1 10 S FT	10 M10 x 40/ ST / FT	6194292	6354 10 6		195
KL1 15 S FT	15 M10 x 50/ ST / FT	6194353	6354 11 4		195
KL1 20 S FT	20 M10 x 50/ ST / FT	6194414	6354 12 2		195
KL1M RST20i3 BL	1000/ PA	5892366	6069 84 0		369
KL2M RST20i3 BL	2000/ PA	5892373	6069 84 2		369
KL3M RST20i3 BL	3000/ PA	5892380	6069 84 4		369
KL4M RST20i3 BL	4000/ PA	5892397	6069 84 6		369
KL5M RST20i3 BL	5000/ PA	5892403	6069 84 8		369
KL6M RST20i3 BL	6000/ PA	5892410	6069 85 0		369
KL7M RST20i3 BL	7000/ PA	5892427	6069 85 2		369
KL8M RST20i3 BL	8000/ PA	5892434	6069 85 4		369
KLL 32 FT	/ St / FT	5849841	6221 06 1		323
KLL 32 VA4301	/ V2A	5849872	6221 06 3		439
KLL 52 FT	/ St / FT	5849889	6221 07 1		323
KLL 52 VA4301	/ V2A	5849896	6221 07 3		439
				/100 pc.	
KM M10 VA4401	10/ V4A	5910985	6408 93 0		463
KM M12 VA4401	12/ V4A	5911043	6408 94 0		463
KM M6 F	66/ ST / F	6078493	6408 96 2		216
KM M6 G	66/ ST / G	6623952	6408 95 8		216
KM M6 VA4301	66/ V2A	6078554	6408 96 6		216
KM M6 VA4301	66/ V2A	6078554	6408 96 6		292
KM M6 VA4301	66/ V2A	6078554	6408 96 6		302
KM M6 VA4301	66/ V2A	6078554	6408 96 6		416
KM M6 VA4301	66/ V2A	6078554	6408 96 6		433
KM M6 VA4401	66/ V4A	6078615	6408 97 0		463
KM M8 VA4401	8/ V4A	5910961	6408 92 0		463
KNG G	4/ ST / G	6936199	6050 37 5		377
				/pc.	
KS 23 35 FT	/ ST / FT	6012312	6015 17 4		302
KS 23 35 VA4301	/ V2A	6013098	6016 52 9		436
KS GR LBL	Light blue/ PA	5903468	6017 71 4		296
KS GR LBL	Light blue/ PA	5903468	6017 71 4		302
KS GR LBL	Light blue/ PA	5903468	6017 71 4		436
KS GR LBL	Light blue/ PA	5903468	6017 71 4		477
KS GR LGR	Light grey/ PA	5848264	6017 71 0		296
KS GR LGR	Light grey/ PA	5848264	6017 71 0		302
KS GR LGR	Light grey/ PA	5848264	6017 71 0		436
KS GR LGR	Light grey/ PA	5848264	6017 71 0		477
KS GR OR	Pastel orange/ PA	5848288	6017 71 2		296
KS GR OR	Pastel orange/ PA	5848288	6017 71 2		302
KS GR OR	Pastel orange/ PA	5848288	6017 71 2		436
KS GR OR	Pastel orange/ PA	5848288	6017 71 2		477
KS GR SGN	Signal green/ PA	5903475	6017 71 5		296
KS GR SGN	Signal green/ PA	5903475	6017 71 5		302
KS GR SGN	Signal green/ PA	5903475	6017 71 5		436
KS GR SGN	Signal green/ PA	5903475	6017 71 5		477
				/100 pc.	
KS GR VA4310	/ V2A	5694625	6062 28 2		284
KS GR VA4310	/ V2A	5694625	6062 28 2		287
KS GR VA4310	/ V2A	5694625	6062 28 2		289
KS GR VA4310	/ V2A	5694625	6062 28 2		300
KS GR VA4310	/ V2A	5694625	6062 28 2		431
KS GR VA4310	/ V2A	5694625	6062 28 2		475
				/pc.	
KS GR VKG	Traffic grey B/ PA	5848271	6017 71 1		296
KS GR VKG	Traffic grey B/ PA	5848271	6017 71 1		302
KS GR VKG	Traffic grey B/ PA	5848271	6017 71 1		436
KS GR VKG	Traffic grey B/ PA	5848271	6017 71 1		477
KS GR ZGB	Zinc yellow/ PA	5848295	6017 71 3		296
KS GR ZGB	Zinc yellow/ PA	5848295	6017 71 3		302
KS GR ZGB	Zinc yellow/ PA	5848295	6017 71 3		436
KS GR ZGB	Zinc yellow/ PA	5848295	6017 71 3		477

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
KS KL VA4310	/ V2A	5694656	6062 28 4		309
KS KL VA4310	/ V2A	5694656	6062 28 4		320
KS KL VA4310	/ V2A	5694656	6062 28 4		335
KS KL VA4310	/ V2A	5694656	6062 28 4		338
KS KL VA4310	/ V2A	5694656	6062 28 4		343
KS KL VA4310	/ V2A	5694656	6062 28 4		438
KS KL VA4310	/ V2A	5694656	6062 28 4		441
KS KL VA4310	/ V2A	5694656	6062 28 4		445
KS KL VA4310	/ V2A	5694656	6062 28 4		478
KS KR VA4310	/ V2A	5694618	6062 28 0		227
KS KR VA4310	/ V2A	5694618	6062 28 0		233
KS KR VA4310	/ V2A	5694618	6062 28 0		420
KS KR VA4310	/ V2A	5694618	6062 28 0		465
				/100 m	
KSB 2 PVC	1-2 10/ PVC	6295395	6072 90 9		221
KSB 2 PVC	1-2 10/ PVC	6295395	6072 90 9		267
KSB 4 PVC	1-4 15/ PVC	6295579	6072 89 5		267
KSB 4 PVC	1-4 15/ PVC	6295579	6072 89 5		221
				/pc.	
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		239
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		373
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		396
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		421
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		451
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		466
KSR-910 PE	Light grey 20 x 58/ PE	6065172	6066 71 2		483
KSR-915 PE	Light grey 28 x 58/ PE	6065110	6066 70 4		373
KSR-915 PE	Light grey 28 x 58/ PE	6065110	6066 70 4		396
KSR-915 PE	Light grey 28 x 58/ PE	6065110	6066 70 4		451
KSR-915 PE	Light grey 28 x 58/ PE	6065110	6066 70 4		483
KSR-920 PE	Light grey/ PE	5811114	6066 69 6		396
KSR-920 PE	Light grey/ PE	5811114	6066 69 6		451
KSR-920 PE	Light grey/ PE	5811114	6066 69 6		483
KSR-925 PE	Light grey/ PE	5811084	6066 68 8		396
KSR-925 PE	Light grey/ PE	5811084	6066 68 8		452
KSR-925 PE	Light grey/ PE	5811084	6066 68 8		483
KSR-DR 920 PE	Light grey 32 x 90/ PE	6346639	6087 96 5		239
KTSMV 110 DD	110100/ St / DD	5890249	6069 11 2		261
KTSMV 110 FS	110100/ St / FS	5890157	6069 09 0		261
KTSMV 115 DD	110150/ St / DD	5890256	6069 11 4		261
KTSMV 115 FS	110150/ St / FS	5890164	6069 09 2		261
KTSMV 120 DD	110200/ St / DD	5890263	6069 11 6		261
KTSMV 120 FS	110200/ St / FS	5890195	6069 09 4		261
KTSMV 130 DD	110300/ St / DD	5890270	6069 11 8		261
KTSMV 130 FS	110300/ St / FS	5890201	6069 09 6		261
KTSMV 140 DD	110400/ St / DD	5890287	6069 12 0		261
KTSMV 140 FS	110400/ St / FS	5890218	6069 09 8		261
KTSMV 150 DD	110500/ St / DD	5890294	6069 12 2		261
KTSMV 150 FS	110500/ St / FS	5890225	6069 10 0		261
KTSMV 160 DD	110600/ St / DD	5890300	6069 12 4		261
KTSMV 160 FS	110600/ St / FS	5890232	6069 10 2		261
KTSMV 310 FS	35100/ St / FS	5889441	6068 90 0		227
KTSMV 320 FS	35200/ St / FS	5889489	6068 90 2		227
KTSMV 330 FS	35300/ St / FS	5889496	6068 90 4		227
KTSMV 610 DD	60100/ St / DD	5890492	6068 93 6		240
KTSMV 610 FS	60100/ St / FS	5889502	6068 91 4		240
KTSMV 610 VA4301	60100/ V2A	5889571	6068 95 8		422
KTSMV 610 VA4571	60100/ V4A	5889649	6068 98 0		467
KTSMV 615 DD	60150/ St / DD	5890508	6068 93 8		240
KTSMV 615 FS	60150/ St / FS	5889519	6068 91 6		240
KTSMV 615 VA4301	60150/ V2A	5889588	6068 96 0		422
KTSMV 615 VA4571	60150/ V4A	5889656	6068 98 2		467
KTSMV 620 DD	60200/ St / DD	5890515	6068 94 0		240
KTSMV 620 FS	60200/ St / FS	5889526	6068 91 8		240
KTSMV 620 VA4301	60200/ V2A	5889595	6068 96 2		422
KTSMV 620 VA4571	60200/ V4A	5889663	6068 98 4		467
KTSMV 630 DD	60300/ St / DD	5890522	6068 94 2		240
KTSMV 630 FS	60300/ St / FS	5889533	6068 92 0		240
KTSMV 630 VA4301	60300/ V2A	5889601	6068 96 4		422
KTSMV 630 VA4571	60300/ V4A	5889670	6068 98 6		467
KTSMV 640 DD	60400/ St / DD	5890560	6068 94 4		240
KTSMV 640 FS	60400/ St / FS	5889540	6068 92 2		240
KTSMV 640 VA4301	60400/ V2A	5889618	6068 96 6		422
KTSMV 640 VA4571	60400/ V4A	5889687	6068 98 8		467
KTSMV 650 DD	60500/ St / DD	5890577	6068 94 6		240
KTSMV 650 FS	60500/ St / FS	5889557	6068 92 4		240
KTSMV 650 VA4301	60500/ V2A	5889625	6068 96 8		422
KTSMV 650 VA4571	60500/ V4A	5889717	6068 99 0		467
KTSMV 660 DD	60600/ St / DD	5890584	6068 94 8		240
KTSMV 660 FS	60600/ St / FS	5889564	6068 92 6		240
KTSMV 660 VA4301	60600/ V2A	5889632	6068 97 0		422
KTSMV 660 VA4571	60600/ V4A	5889724	6068 99 2		467
KTSMV 810 DD	85100/ St / DD	5889847	6069 02 4		251
KTSMV 810 FS	85100/ St / FS	5889731	6069 00 2		251
KTSMV 815 DD	85150/ St / DD	5889854	6069 02 6		251
KTSMV 815 FS	85150/ St / FS	5889748	6069 00 4		251
KTSMV 820 DD	85200/ St / DD	5889861	6069 02 8		251
KTSMV 820 FS	85200/ St / FS	5889793	6069 00 6		251
KTSMV 830 DD	85300/ St / DD	5889908	6069 03 0		251
KTSMV 830 FS	85300/ St / FS	5889809	6069 00 8		251
KTSMV 840 DD	85400/ St / DD	5889915	6069 03 2		251
KTSMV 840 FS	85400/ St / FS	5889816	6069 01 0		251
KTSMV 850 DD	85500/ St / DD	5889922	6069 03 4		251
KTSMV 850 FS	85500/ St / FS	5889823	6069 01 2		251
KTSMV 860 DD	85600/ St / DD	5889960	6069 03 6		251
KTSMV 860 FS	85600/ St / FS	5889830	6069 01 4		251
KU 3 FT	/ St / FT	6340217	6348 87 4		169
KU 3 V FS	/ St / FS	5354826	6348 88 1		170
KU 3 V FT	/ St / FT	5354833	6348 88 3		170
KU 3 V VA4301	/ V2A	5706038	6348 88 4		406
KU 3 V VA4571	/ V4A	5395393	6348 88 5		458
KU 3 VA4301	/ V2A	5706014	6348 87 6		406
KU 3 VA4571	/ V4A	5706021	6348 87 7		458
KU 5 V FT	/ St / FT	6901456	6348 92 0		173
KU 5 V VA4301	/ V2A	5018360	6348 92 5		408
KU 5 V VA4571	/ V4A	5018452	6348 92 7		460
KU 7 AOX FT	/ ST / FT	6191598	6349 21 8		176
KU 7 FT	/ St / FT	6191413	6349 10 2		175
KU 7 NOX FT	/ ST / FT	6191352	6349 05 6		175
KU 7 VQP FT	/ St / FT	6191475	6349 15 3		176
KU 7 VQP VA4301	/ V2A	6191536	6349 19 6		411
KUS 5 FT	/ St / FT	6168910	6348 90 4		172
KUS 5 NOK FT	/ ST / FT	6437771	6348 93 9		172
KUS 5 NOK VA4301	/ V2A	6437832	6348 94 7		408
KUS 7 VA4301	/ V2A	6191659	6349 27 7		410
				/pair	
KWH 10 FT	10/ ST / FT	6194537	6355 04 8		195
KWH 10 VA4301	10/ V2A	6195138	6355 31 5		413
KWH 15 FT	15/ ST / FT	6194599	6355 05 6		195
KWH 15 VA4301	15/ V2A	6195190	6355 32 3		413
KWH 20 FT	20/ ST / FT	6194650	6355 06 4		195

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pair	
KWH 20 VA4301	20/ V2A	6195251	6355 33 1		413
KWH 25 FT	25/ ST / FT	6194711	6355 07 2		195
KWH 25 VA4301	25/ V2A	6195312	6355 35 8		413
KWH 5 FT	5/ ST / FT	6194476	6355 02 1		195
KWH 5 VA4301	5/ V2A	6195077	6355 30 7		413
KWS 10 FT	10/ ST / FT	6194834	6355 22 6		196
KWS 10 VA4301	10/ V2A	6195435	6355 41 2		413
KWS 15 FT	15/ ST / FT	6194896	6355 23 4		196
KWS 15 VA4301	15/ V2A	6195497	6355 42 0		413
KWS 20 FT	20/ ST / FT	6194957	6355 24 2		196
KWS 20 VA4301	20/ V2A	6195558	6355 43 9		413
KWS 25 FT	25/ ST / FT	6195015	6355 25 0		196
KWS 25 VA4301	25/ V2A	6195619	6355 44 7		413
KWS 5 FT	5/ ST / FT	6194773	6355 21 8		196
KWS 5 VA4301	5/ V2A	6195374	6355 40 4		413
				/pc.	
LAB 20 FT	200/ St / FT	6163397	6220 43 6		323
LAB 20 VA4301	200/ V2A	6261796	7164 01 7		439
LAB 30 FT	300/ St / FT	6163458	6220 44 4		323
LAB 30 VA4301	300/ V2A	6261857	7164 02 5		439
LAB 40 FT	400/ St / FT	6163519	6220 45 2		323
LAB 40 VA4301	400/ V2A	6261918	7164 03 3		439
LAB 50 FT	500/ St / FT	6163571	6220 46 0		323
LAB 50 VA4301	500/ V2A	6261970	7164 04 1		439
LAB 60 FT	600/ St / FT	6163632	6220 47 9		323
LAB 60 VA4301	600/ V2A	6262038	7164 06 8		439
LAL 70 FS	/ ST / FS	6164417	6221 00 9		322
LAL 70 VA4301	/ V2A	6164479	6221 01 7		322
LAL 70 VA4301	/ V2A	6164479	6221 01 7		439
LALB 20 FT	200/ St / FT	6166152	6221 85 8		323
LALB 30 FT	300/ St / FT	6166213	6221 86 6		323
LALB 40 FT	400/ St / FT	6166275	6221 87 4		323
LALB 50 FT	500/ St / FT	6166336	6221 88 2		323
LALB 60 FT	600/ St / FT	6166398	6221 89 0		323
LAM 620 FS	60200/ St / FS	5848592	6069 64 5		372
LAM 620 VA4301	60200/ V2A	5848608	6069 65 2		372
LAM 630 FS	60300/ St / FS	5848615	6069 65 9		372
LAM 630 VA4301	60300/ V2A	5848622	6069 66 6		372
LAM 640 FS	60400/ St / FS	5848639	6069 67 3		372
LAM 640 VA4301	60400/ V2A	5848646	6069 68 0		372
LAS 110 FS	/ ST / FS	6165254	6221 41 6		320
LAS 110 FT	/ ST / FT	6165315	6221 42 4		320
LAS 45 FS	/ ST / FS	6164950	6221 30 0		309
LAS 45 FT	/ ST / FT	6165018	6221 31 9		309
LAS 60 FS	/ ST / FS	6165070	6221 35 1		314
LAS 60 FT	/ ST / FT	6165131	6221 37 8		314
LAS 60 VA4301	/ V2A	6165193	6221 38 6		438
LAW FT	/ ST / FT	6165438	6221 51 3		323
LBI 90 112 VS FS	200/ ST / FS	6157273	6217 62 1		320
LBI 90 112 VS FT	200/ ST / FT	6157631	6217 72 9		320
LBI 90 113 VS FS	300/ ST / FS	6157334	6217 64 8		320
LBI 90 113 VS FT	300/ ST / FT	6157693	6217 73 7		320
LBI 90 114 VS FS	400/ ST / FS	6157396	6217 65 6		320
LBI 90 114 VS FT	400/ ST / FT	6157754	6217 74 5		320
LBI 90 115 VS FS	500/ ST / FS	6157457	6217 66 4		320
LBI 90 115 VS FT	500/ ST / FT	6157815	6217 75 3		320
LBI 90 116 VS FS	600/ ST / FS	6157518	6217 67 2		320
LBI 90 116 VS FT	600/ ST / FT	6157877	6217 76 1		320
LBI 90 420 NS FS	200/ ST / FS	6126378	6203 02 7		310
LBI 90 420 NS FT	200/ ST / FT	6126736	6203 12 4		310
LBI 90 430 NS FS	300/ ST / FS	6126439	6203 03 5		310
LBI 90 430 NS FT	300/ ST / FT	6126798	6203 13 2		310
LBI 90 440 NS FS	400/ ST / FS	6126491	6203 04 3		310
LBI 90 440 NS FT	400/ ST / FT	6126859	6203 14 0		310
LBI 90 450 NS FS	500/ ST / FS	6126552	6203 05 1		310
LBI 90 450 NS FT	500/ ST / FT	6126910	6203 15 9		310
LBI 90 460 NS FS	600/ ST / FS	6126613	6203 07 8		310
LBI 90 460 NS FT	600/ ST / FT	6126972	6203 16 7		310
LBI 90 620 NS FS	200/ ST / FS	6142996	6211 03 8		315
LBI 90 620 NS FT	200/ ST / FT	6143351	6211 12 7		315
LBI 90 620 VS FS	200/ St / FS	6143719	6211 22 4		315
LBI 90 620 VS FT	200/ ST / FT	6144075	6211 32 1		315
LBI 90 620 VS VA	200/ V2A	6259991	7160 04 6		438
LBI 90 620VS V4A	200/ V4A	5675419	7160 10 2		479
LBI 90 630 NS FS	300/ ST / FS	6143054	6211 04 6		315
LBI 90 630 NS FT	300/ ST / FT	6143412	6211 13 5		315
LBI 90 630 VS FS	300/ St / FS	6143771	6211 23 2		315
LBI 90 630 VS FT	300/ ST / FT	6144136	6211 34 8		315
LBI 90 630 VS VA	300/ V2A	6260058	7160 05 4		438
LBI 90 630VS V4A	300/ V4A	5675426	7160 10 3		479
LBI 90 640 NS FS	400/ ST / FS	6143115	6211 05 4		315
LBI 90 640 NS FT	400/ ST / FT	6143474	6211 14 3		315
LBI 90 640 VS FS	400/ St / FS	6143832	6211 24 0		315
LBI 90 640 VS FT	400/ ST / FT	6144198	6211 35 6		315
LBI 90 640 VS VA	400/ V2A	6260119	7160 06 2		438
LBI 90 640VS V4A	400/ V4A	5675464	7160 10 4		479
LBI 90 650 NS FS	500/ ST / FS	6143177	6211 06 2		315
LBI 90 650 NS FT	500/ ST / FT	6143535	6211 15 1		315
LBI 90 650 VS FS	500/ St / FS	6143894	6211 25 9		315
LBI 90 650 VS FT	500/ ST / FT	6144259	6211 36 4		315
LBI 90 650 VS VA	500/ V2A	6260171	7160 08 9		438
LBI 90 650VS V4A	500/ V4A	5675471	7160 10 5		479
LBI 90 660 NS FS	600/ ST / FS	6143238	6211 07 0		315
LBI 90 660 NS FT	600/ ST / FT	6143597	6211 17 8		315
LBI 90 660 VS FS	600/ St / FS	6143955	6211 26 7		315
LBI 90 660 VS FT	600/ ST / FT	6144310	6211 37 2		315
LBI 90 660 VS VA	600/ V2A	6260232	7160 09 7		438
LBI 90 660VS V4A	600/ V4A	5675488	7160 10 6		479
LBI90 114.5VS FT	450/ ST / FT	5460190	6217 74 8		320
LEB 25 DD	250/ St / DD	6089116	6221 21 6		323
LEB 25 FS	250/ ST / FS	6164714	6221 20 3		323
LEB 50 DD	500/ St / DD	6089239	6221 25 9		323
LEB 50 FS	500/ ST / FS	6164837	6221 24 6		323
LED M 8NS	460 x 85 x 100/ PP	5848820	6069 81 5		368
				/m	
LG 112 3000 FS	2001,5/ St / FS	5064480	6216 40 4		318
LG 112 3000 FT	2001,5/ St / FT	5065210	6216 42 3		318
LG 112 6000 FS	2001,5/ ST / FS	5065289	6216 44 2		318
LG 112 6000 FT	2001,5/ St / FT	5065371	6216 46 5		318
LG 113 3000 FS	3001,5/ St / FS	5064497	6216 40 7		318
LG 113 3000 FT	3001,5/ St / FT	5065227	6216 42 6		318
LG 113 6000 FS	3001,5/ ST / FS	5065319	6216 44 5		318
LG 113 6000 FT	3001,5/ St / FT	5065388	6216 46 8		318
LG 114 3000 FS	4001,5/ St / FS	5064503	6216 41 0		318
LG 114 3000 FT	4001,5/ St / FT	5065258	6216 42 9		318
LG 114 6000 FS	4001,5/ ST / FS	5065326	6216 44 8		318
LG 114 6000 FT	4001,5/ St / FT	5065395	6216 47 1		318
LG 114.5 6000 FT	4501,5/ ST / FT	5460183	6216 47 3		318
LG 115 3000 FS	5001,5/ St / FS	5064534	6216 41 3		318
LG 115 3000 FT	5001,5/ St / FT	5065265	6216 43 2		318
LG 115 6000 FS	5001,5/ ST / FS	5065333	6216 45 1		318
LG 115 6000 FT	5001,5/ St / FT	5065401	6216 47 4		318
LG 116 3000 FS	6001,5/ St / FS	5065203	6216 41 6		318
LG 116 3000 FT	6001,5/ St / FT	5065272	6216 43 5		318
LG 116 6000 FS	6001,5/ ST / FS	5065340	6216 45 4		318
LG 116 6000 FT	6001,5/ St / FT	5065432	6216 47 7		318
LG 420 NS 3000FS	2001,25/ St / FS	5063483	6200 50 8		306
LG 420 NS 6000FS	2001,25/ St / FS	5063643	6200 58 3		306
LG 420 NS 6000FT	2001,25/ St / FT	5063711	6200 60 5		306
LG 430 NS 3000FS	3001,25/ St / FS	5063513	6200 51 1		306
LG 430 NS 6000FS	3001,25/ St / FS	5063650	6200 58 6		306
LG 430 NS 6000FT	3001,25/ St / FT	5063728	6200 60 8		306
LG 440 NS 3000FS	4001,25/ St / FS	5063520	6200 51 4		306
LG 440 NS 6000FS	4001,25/ St / FS	5063667	6200 58 9		306
LG 440 NS 6000FT	4001,25/ St / FT	5063759	6200 61 1		306
LG 450 NS 3000FS	5001,25/ St / FS	5063537	6200 51 7		306
LG 450 NS 6000FS	5001,25/ St / FS	5063698	6200 59 2		306
LG 450 NS 6000FT	5001,25/ St / FT	5063766	6200 61 4		306
LG 460 NS 3000FS	6001,25/ St / FS	5063544	6200 52 0		306
LG 460 NS 6000FS	6001,25/ St / FS	5063704	6200 59 5		306
LG 460 NS 6000FT	6001,25/ St / FT	5063773	6200 61 7		306
LG 620 NS 3000FS	2001,5/ St / FS	5063957	6208 50 6		311
LG 620 NS 6000FS	2001,5/ St / FS	5064114	6208 58 1		311
LG 620 NS 6000FT	2001,5/ St / FT	5064183	6208 60 3		311

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
LG 620 VS 3000FS	200 1,5/ St / FS	5064022	6208 53 8		312
LG 620 VS 3000FS	200 1,5/ St / FS	5064022	6208 53 8		348
LG 620 VS 3000FT	200 1,5/ St / FT	5434153	6208 56 2		312
LG 620 VS 3000FT	200 1,5/ St / FT	5434153	6208 56 2		348
LG 620 VS 6000FS	200 1,5/ St / FS	5064251	6208 62 7		312
LG 620 VS 6000FS	200 1,5/ St / FS	5064251	6208 62 7		348
LG 620 VS 6000FT	200 1,5/ ST / FT	5064329	6208 65 0		312
LG 620 VS 6000FT	200 1,5/ ST / FT	5064329	6208 65 0		348
LG 620 VS VA4301	200 1,5/ V2A	5064411	6208 70 0		437
LG 620 VS VA4301	200 1,5/ V2A	5064411	6208 70 0		447
LG 620 VS VA4571	200 1,5/ V4A	6159314	6101 20 0		477
LG 630 NS 3000FS	300 1,5/ St / FS	5063964	6208 50 9		311
LG 630 NS 6000FS	300 1,5/ St / FS	5064121	6208 58 4		311
LG 630 NS 6000FT	300 1,5/ St / FT	5064190	6208 60 6		311
LG 630 VS 3000FS	300 1,5/ St / FS	5064053	6208 54 1		312
LG 630 VS 3000FS	300 1,5/ St / FS	5064053	6208 54 1		348
LG 630 VS 3000FT	300 1,5/ St / FT	5434160	6208 56 6		312
LG 630 VS 3000FT	300 1,5/ St / FT	5434160	6208 56 6		348
LG 630 VS 6000FS	300 1,5/ St / FS	5064268	6208 63 0		312
LG 630 VS 6000FS	300 1,5/ St / FS	5064268	6208 63 0		348
LG 630 VS 6000FT	300 1,5/ ST / FT	5064350	6208 65 3		312
LG 630 VS 6000FT	300 1,5/ ST / FT	5064350	6208 65 3		348
LG 630 VS VA4301	300 1,5/ V2A	5064428	6208 70 3		437
LG 630 VS VA4301	300 1,5/ V2A	5064428	6208 70 3		447
LG 630 VS VA4571	300 1,5/ V4A	6514038	6101 20 8		477
LG 640 NS 3000FS	400 1,5/ St / FS	5063995	6208 51 2		311
LG 640 NS 6000FS	400 1,5/ St / FS	5064138	6208 58 7		311
LG 640 NS 6000FT	400 1,5/ St / FT	5064206	6208 60 9		311
LG 640 VS 3000FS	400 1,5/ St / FS	5064060	6208 54 4		312
LG 640 VS 3000FS	400 1,5/ St / FS	5064060	6208 54 4		348
LG 640 VS 3000FT	400 1,5/ St / FT	5434207	6208 57 0		312
LG 640 VS 3000FT	400 1,5/ St / FT	5434207	6208 57 0		348
LG 640 VS 6000FS	400 1,5/ St / FS	5064299	6208 63 3		312
LG 640 VS 6000FS	400 1,5/ St / FS	5064299	6208 63 3		348
LG 640 VS 6000FT	400 1,5/ ST / FT	5064367	6208 65 6		312
LG 640 VS 6000FT	400 1,5/ ST / FT	5064367	6208 65 6		348
LG 640 VS VA4301	400 1,5/ V2A	5064435	6208 70 6		437
LG 640 VS VA4301	400 1,5/ V2A	5064435	6208 70 6		447
LG 640 VS VA4571	400 1,5/ V4A	5022114	6101 21 6		477
LG 650 NS 3000FS	500 1,5/ St / FS	5064008	6208 51 5		311
LG 650 NS 6000FS	500 1,5/ St / FS	5064145	6208 59 0		311
LG 650 NS 6000FT	500 1,5/ St / FT	5064237	6208 61 2		311
LG 650 VS 3000FS	500 1,5/ St / FS	5064077	6208 54 7		312
LG 650 VS 3000FS	500 1,5/ St / FS	5064077	6208 54 7		348
LG 650 VS 3000FT	500 1,5/ St / FT	5434214	6208 57 4		312
LG 650 VS 3000FT	500 1,5/ St / FT	5434214	6208 57 4		348
LG 650 VS 6000FS	500 1,5/ St / FS	5064305	6208 63 6		312
LG 650 VS 6000FS	500 1,5/ St / FS	5064305	6208 63 6		348
LG 650 VS 6000FT	500 1,5/ ST / FT	5064374	6208 65 9		312
LG 650 VS 6000FT	500 1,5/ ST / FT	5064374	6208 65 9		348
LG 650 VS VA4301	500 1,5/ V2A	5064442	6208 70 9		437
LG 650 VS VA4301	500 1,5/ V2A	5064442	6208 70 9		447
LG 650 VS VA4571	500 1,5/ V4A	5022121	6101 22 3		477
LG 660 NS 3000FS	600 1,5/ St / FS	5064015	6208 51 8		311
LG 660 NS 6000FS	600 1,5/ St / FS	5064176	6208 59 3		311
LG 660 NS 6000FT	600 1,5/ St / FT	5064244	6208 61 5		311
LG 660 VS 3000FS	600 1,5/ St / FS	5064084	6208 55 0		312
LG 660 VS 3000FS	600 1,5/ St / FS	5064084	6208 55 0		348
LG 660 VS 3000FT	600 1,5/ St / FT	5434221	6208 57 8		312
LG 660 VS 3000FT	600 1,5/ St / FT	5434221	6208 57 8		348
LG 660 VS 6000FS	600 1,5/ St / FS	5064312	6208 63 9		312
LG 660 VS 6000FS	600 1,5/ St / FS	5064312	6208 63 9		348
LG 660 VS 6000FT	600 1,5/ ST / FT	5064381	6208 66 1		312
LG 660 VS 6000FT	600 1,5/ ST / FT	5064381	6208 66 1		348
LG 660 VS VA4301	600 1,5/ V2A	5064473	6208 71 2		437
LG 660 VS VA4301	600 1,5/ V2A	5064473	6208 71 2		447
LG 660 VS VA4571	600 1,5/ V4A	6524952	6101 23 2		477
				/pc.	
LGBV 112 VS FS	200/ ST / FS	6160150	6218 82 2		321
LGBV 112 VS FT	200/ ST / FT	6160518	6218 93 8		321
LGBV 113 VS FS	300/ ST / FS	6160211	6218 83 0		321
LGBV 113 VS FT	300/ ST / FT	6160570	6218 94 6		321
LGBV 114 VS FS	400/ ST / FS	6160273	6218 84 9		321
LGBV 114 VS FT	400/ ST / FT	6160631	6218 95 4		321
LGBV 114.5 VS FT	450/ ST / FT	5460206	6218 95 6		321
LGBV 115 VS FS	500/ ST / FS	6160334	6218 85 7		321
LGBV 115 VS FT	500/ ST / FT	6160693	6218 96 2		321
LGBV 116 VS FS	600/ ST / FS	6160396	6218 86 5		321
LGBV 116 VS FT	600/ ST / FT	6160754	6218 97 0		321
LGBV 420 NS FS	200/ ST / FS	6132133	6205 03 8		310
LGBV 420 NS FT	200/ ST / FT	6132492	6205 12 7		310
LGBV 430 NS FS	300/ ST / FS	6132195	6205 04 6		310
LGBV 430 NS FT	300/ ST / FT	6132553	6205 13 5		310
LGBV 440 NS FS	400/ ST / FS	6132256	6205 05 4		310
LGBV 440 NS FT	400/ ST / FT	6132614	6205 14 3		310
LGBV 450 NS FS	500/ ST / FS	6132317	6205 06 2		310
LGBV 450 NS FT	500/ ST / FT	6132676	6205 15 1		310
LGBV 460 NS FS	600/ ST / FS	6132379	6205 07 0		310
LGBV 460 NS FT	600/ ST / FT	6132737	6205 17 8		310
LGBV 620 NS FS	200/ ST / FS	6148752	6213 02 2		316
LGBV 620 NS FT	200/ ST / FT	6149117	6213 13 8		316
LGBV 620 VS FS	200/ ST / FS	6149476	6213 22 7		317
LGBV 620 VS FT	200/ ST / FT	6149834	6213 32 4		317
LGBV 630 NS FS	300/ ST / FS	6148813	6213 03 0		316
LGBV 630 NS FT	300/ ST / FT	6149179	6213 14 6		316
LGBV 630 VS FS	300/ ST / FS	6149537	6213 23 5		317
LGBV 630 VS FT	300/ ST / FT	6149896	6213 33 2		317
LGBV 640 NS FS	400/ ST / FS	6148875	6213 04 9		316
LGBV 640 NS FT	400/ ST / FT	6149230	6213 15 4		316
LGBV 640 VS FS	400/ ST / FS	6149599	6213 24 3		317
LGBV 640 VS FT	400/ ST / FT	6149957	6213 34 0		317
LGBV 650 NS FS	500/ ST / FS	6148936	6213 05 7		316
LGBV 650 NS FT	500/ ST / FT	6149292	6213 16 2		316
LGBV 650 VS FS	500/ ST / FS	6149650	6213 25 1		317
LGBV 650 VS FT	500/ ST / FT	6150014	6213 35 9		317
LGBV 660 NS FS	600/ ST / FS	6148998	6213 06 5		316
LGBV 660 NS FT	600/ ST / FT	6149353	6213 17 0		316
LGBV 660 VS FS	600/ ST / FS	6149711	6213 27 8		317
LGBV 660 VS FT	600/ ST / FT	6150076	6213 36 7		317
				/m	
LGN 112 FT	200 1,5/ ST / FT	5465171	6209 52 0		319
LGN 113 FT	300 1,5/ ST / FT	5465188	6209 52 2		319
LGN 114 FT	400 1,5/ ST / FT	5465195	6209 52 4		319
LGN 115 FT	500 1,5/ ST / FT	5465201	6209 52 6		319
LGN 116 FT	600 1,5/ ST / FT	5465218	6209 52 8		319
LGN 420 NS 3 FS	200 1,25/ ST / FS	5236689	6200 68 0		307
LGN 420 NS 6 FS	200 1,25/ ST / FS	5236856	6200 69 1		307
LGN 430 NS 3 FS	300 1,25/ ST / FS	5236818	6200 68 2		307
LGN 430 NS 6 FS	300 1,25/ ST / FS	5236863	6200 69 3		307
LGN 440 NS 3 FS	400 1,25/ ST / FS	5236825	6200 68 4		307
LGN 440 NS 6 FS	400 1,25/ ST / FS	5236870	6200 69 5		307
LGN 450 NS 3 FS	500 1,25/ ST / FS	5236832	6200 68 6		307
LGN 450 NS 6 FS	500 1,25/ ST / FS	5236887	6200 69 7		307
LGN 460 NS 3 FS	600 1,25/ ST / FS	5236849	6200 68 8		307
LGN 460 NS 6 FS	600 1,25/ ST / FS	5236894	6200 69 9		307
LGN 620 NS FS	200 1,5/ ST / FS	5236962	6209 30 1		313
LGN 620 VS 6 FT	200 1,5/ ST / FT	5237136	6209 34 3		313
LGN 620 VS FS	200 1,5/ ST / FS	5237068	6209 33 0		313
LGN 630 NS FS	300 1,5/ ST / FS	5236979	6209 30 3		313
LGN 630 VS 6 FT	300 1,5/ ST / FT	5237143	6209 34 5		313
LGN 630 VS FS	300 1,5/ ST / FS	5237099	6209 33 2		313
LGN 640 NS FS	400 1,5/ ST / FS	5236986	6209 30 5		313
LGN 640 VS 6 FT	400 1,5/ ST / FT	5237150	6209 34 7		313
LGN 640 VS FS	400 1,5/ ST / FS	5237105	6209 33 4		313
LGN 650 NS FS	500 1,5/ ST / FS	5236993	6209 30 7		313
LGN 650 VS 6 FT	500 1,5/ ST / FT	5237167	6209 34 9		313
LGN 650 VS FS	500 1,5/ ST / FS	5237112	6209 33 6		313
LGN 660 NS FS	600 1,5/ ST / FS	5237006	6209 30 9		313
LGN 660 VS 6 FT	600 1,5/ ST / FT	5237174	6209 35 1		313
LGN 660 VS FS	600 1,5/ ST / FS	5237129	6209 33 8		313
				/pc.	
LGVG 110 FS	110/ St / FS	5065739	6216 65 0		320
LGVG 110 FT	110/ St / FT	5065746	6216 65 3		320
LGVG 45 FS	45/ St / FS	5065517	6200 92 6		309
LGVG 45 FT	45/ St / FT	5065524	6200 92 9		309
LGVG 60 FS	60/ St / FS	5065623	6208 94 1		314
LGVG 60 FS	60/ St / FS	5065623	6208 94 1		350
LGVG 60 FT	60/ ST / FT	5065630	6208 94 4		314
LGVG 60 FT	60/ ST / FT	5065630	6208 94 4		350
LGVG 60 VA4301	60/ V2A	5065647	6208 94 7		438
LGVG 60 VA4301	60/ V2A	5065647	6208 94 7		448
LGVG 60 VA4571	60/ V4A	5046370	6208 93 2		478
LK 112 VS FS	200/ ST / FS	6161591	6219 52 7		321
LK 112 VS FT	200/ ST / FT	6161959	6219 62 4		321
LK 113 VS FS	300/ ST / FS	6161652	6219 53 5		321
LK 113 VS FT	300/ ST / FT	6162017	6219 63 2		321
LK 114 VS FS	400/ ST / FS	6161713	6219 54 3		321
LK 114 VS FT	400/ ST / FT	6162079	6219 64 0		321
LK 114.5 VS FT	450/ ST / FT	5460305	6219 64 3		321
LK 115 VS FS	500/ ST / FS	6161775	6219 55 1		321
LK 115 VS FT	500/ ST / FT	6162130	6219 65 9		321
LK 116 VS FS	600/ ST / FS	6161836	6219 57 8		321

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
LK 116 VS FT	600/ ST / FT	6162192	6219 66 7		321
LK 420 NS FT	200/ ST / FT	6135370	6206 12 3		310
LK 430 NS FT	300/ ST / FT	6135431	6206 13 1		310
LK 440 NS FT	400/ ST / FT	6135493	6206 15 8		310
LK 450 NS FT	500/ ST / FT	6135554	6206 16 6		310
LK 460 NS FT	600/ ST / FT	6135615	6206 17 4		310
LK 620 NS FS	200/ ST / FS	6151639	6214 02 9		316
LK 620 NS FT	200/ ST / FT	6151998	6214 13 4		316
LK 620 VS FS	200/ St / FS	6152353	6214 22 3		316
LK 620 VS FT	200/ ST / FT	6152711	6214 32 0		316
LK 630 NS FS	300/ ST / FS	6151691	6214 03 7		316
LK 630 NS FT	300/ ST / FT	6152056	6214 14 2		316
LK 630 VS FS	300/ St / FS	6152414	6214 23 1		316
LK 630 VS FT	300/ ST / FT	6152773	6214 33 9		316
LK 640 NS FS	400/ ST / FS	6151752	6214 04 5		316
LK 640 NS FT	400/ ST / FT	6152117	6214 15 0		316
LK 640 VS FS	400/ St / FS	6152476	6214 25 8		316
LK 640 VS FT	400/ ST / FT	6152834	6214 34 7		316
LK 650 NS FS	500/ ST / FS	6151813	6214 05 3		316
LK 650 NS FT	500/ ST / FT	6152179	6214 16 9		316
LK 650 VS FS	500/ St / FS	6152537	6214 26 6		316
LK 650 VS FT	500/ ST / FT	6152896	6214 35 5		316
LK 660 NS FS	600/ ST / FS	6151875	6214 06 1		316
LK 660 NS FT	600/ ST / FT	6152230	6214 17 7		316
LK 660 VS FS	600/ St / FS	6152599	6214 27 4		316
LK 660 VS FT	600/ ST / FT	6152957	6214 36 3		316
LKS 40 FS	/ St / FS	6164530	6221 07 6		322
LKS 40 FT	/ ST / FT	6164592	6221 08 4		322
LKS 40 VA4301	/ V2A	6295630	6017 13 4		439
LKS 60 4 VA4301	/ V2A	6015252	6221 13 0		446
LKS 60 5 FT	/ ST / FT	6175512	6232 48 5		336
LKS 60 5 FT	/ ST / FT	6175512	6232 48 5		339
LKS 60 5 FT	/ ST / FT	6175512	6232 48 5		343
LKS60 4 FT	/ ST / FT	6164653	6221 12 2		322
LKS60 4 FT	/ ST / FT	6164653	6221 12 2		336
LKS60 4 VA4571	/ V4A	6524839	6221 15 7		479
LKS60 4 VA4571	/ V4A	6524839	6221 15 7		482
LT 112 VS FS	200/ ST / FS	6160877	6219 22 5		321
LT 112 VS FT	200/ ST / FT	6161232	6219 32 2		321
LT 113 VS FS	300/ ST / FS	6160938	6219 23 3		321
LT 113 VS FT	300/ ST / FT	6161294	6219 33 0		321
LT 114 VS FS	400/ ST / FS	6160990	6219 24 1		321
LT 114 VS FT	400/ ST / FT	6161355	6219 34 9		321
LT 114.5 VS FT	450/ ST / FT	5460268	6219 35 2		321
LT 115 VS FS	500/ ST / FS	6161058	6219 26 8		321
LT 115 VS FT	500/ ST / FT	6161416	6219 35 7		321
LT 116 VS FS	600/ ST / FS	6161119	6219 27 6		321
LT 116 VS FT	600/ ST / FT	6161478	6219 36 5		321
LT 420 NS FS	200/ ST / FS	6133574	6205 53 4		310
LT 420 NS FT	200/ ST / FT	6133932	6205 62 3		310
LT 430 NS FS	300/ ST / FS	6133635	6205 54 2		310
LT 430 NS FT	300/ ST / FT	6133994	6205 63 1		310
LT 440 NS FS	400/ ST / FS	6133697	6205 55 0		310
LT 440 NS FT	400/ ST / FT	6134052	6205 65 8		310
LT 450 NS FS	500/ ST / FS	6133758	6205 56 9		310
LT 450 NS FT	500/ ST / FT	6134113	6205 66 6		310
LT 460 NS FS	600/ ST / FS	6133819	6205 57 7		310
LT 460 NS FT	600/ ST / FT	6134175	6205 67 4		310
LT 620 NS FS	200/ ST / FS	6150199	6213 52 9		315
LT 620 NS FT	200/ ST / FT	6150557	6213 63 4		315
LT 620 VS FS	200/ St / FS	6150915	6213 72 3		316
LT 620 VS FT	200/ ST / FT	6151271	6213 82 0		316
LT 620 VS V4A	200/ V4A	5675525	7162 10 2		479
LT 620 VS VA4301	200/ V2A	6261079	7162 02 2		439
LT 630 NS FS	300/ ST / FS	6150250	6213 53 7		315
LT 630 NS FT	300/ ST / FT	6150618	6213 64 2		315
LT 630 VS FS	300/ St / FS	6150977	6213 73 1		316
LT 630 VS FT	300/ ST / FT	6151332	6213 83 9		316
LT 630 VS V4A	300/ V4A	5675532	7162 10 3		479
LT 630 VS VA4301	300/ V2A	6261130	7162 04 9		439
LT 640 NS FS	400/ ST / FS	6150311	6213 54 5		315
LT 640 NS FT	400/ ST / FT	6150670	6213 65 0		315
LT 640 VS FS	400/ St / FS	6151035	6213 75 8		316
LT 640 VS FT	400/ ST / FT	6151394	6213 84 7		316
LT 640 VS V4A	400/ V4A	5675549	7162 10 4		479
LT 640 VS VA4301	400/ V2A	6261192	7162 05 7		439
LT 650 NS FS	500/ ST / FS	6150373	6213 55 3		315
LT 650 NS FT	500/ ST / FT	6150731	6213 66 9		315
LT 650 VS FS	500/ St / FS	6151097	6213 76 6		316
LT 650 VS FT	500/ ST / FT	6151455	6213 85 5		316
LT 650 VS V4A	500/ V4A	5675587	7162 10 5		479
LT 650 VS VA4301	500/ V2A	6261253	7162 07 3		439
LT 660 NS FS	600/ ST / FS	6150434	6213 56 1		315
LT 660 NS FT	600/ ST / FT	6150793	6213 67 7		315
LT 660 VS FS	600/ St / FS	6151158	6213 77 4		316
LT 660 VS FT	600/ ST / FT	6151516	6213 86 3		316
LT 660 VS V4A	600/ V4A	5675594	7162 10 6		479
LT 660 VS VA4301	600/ V2A	6261314	7162 08 1		439
LTK VA4301	/ V2A	5848813	6069 78 4		368
				/m	
LTK-K 10 G	2,6/ ST / G	6057559	6050 36 0		377
LTK-K 25 G	2,6/ ST / G	6936137	6050 37 0		377
LTR 3000 FS	7560/ ST / FS	6943876	6055 81 0		379
LTR 6000 FS	7560/ ST / FS	6943937	6055 81 2		379
LTR FSK RW	7560/ St / FSK	5163329	6055 82 0		379
LTS 100 FS	1001,5/ St / FS	5247135	6075 02 4		373
LTS 50 FS	5050/ ST / FS	6935956	6075 00 0		373
LTS 50 FT	5050/ ST / FT	6936014	6075 00 5		373
				/pc.	
LTS B DD	5050/ St / DD	5453451	6074 90 1		374
LTS DFB DD	5050/ St / DD	5453482	6074 95 2		374
LTS DFK DD	5050/ St / DD	5453529	6074 97 2		375
LTS DFT DD	5050/ St / DD	5453512	6074 96 1		374
LTS K DD	5050/ St / DD	5453475	6074 92 1		375
LTS T DD	5050/ St / DD	5453468	6074 91 2		374
LVG 110 FS	110/ St / FS	5065678	6216 54 5		319
LVG 110 FT	110/ St / FT	5065685	6216 54 8		319
LVG 45 FS	45/ St / FS	5065197	6200 83 2		308
LVG 45 FT	45/ St / FT	5065463	6200 83 5		308
LVG 60 FS	60/ St / FS	5065555	6208 84 0		314
LVG 60 FS	60/ St / FS	5065555	6208 84 0		350
LVG 60 FT	60/ St / FT	5065562	6208 84 3		314
LVG 60 FT	60/ St / FT	5065562	6208 84 3		350
LVG 60 VA4301	60/ V2A	5065579	6208 84 6		437
LVG 60 VA4301	60/ V2A	5065579	6208 84 6		447
LVG 60 VA4571	60/ V4A	6666799	6208 83 5		478
LWVG 110 FS	110/ St / FS	5065692	6216 58 7		319
LWVG 110 VA4301	110/ V2A	5065708	6216 59 0		319
LWVG 45 FS	45/ St / FS	5065494	6200 88 2		309
LWVG 45 VA4301	45/ V2A	5065500	6200 88 5		309
LWVG 60 FS	60/ St / FS	5065586	6208 89 5		314
LWVG 60 FS	60/ St / FS	5065586	6208 89 5		350
LWVG 60 VA4301	60/ V2A	5065616	6208 89 8		314
LWVG 60 VA4301	60/ V2A	5065616	6208 89 8		350
LWVG 60 VA4301	60/ V2A	5065616	6208 89 8		437
LWVG 60 VA4301	60/ V2A	5065616	6208 89 8		447
LWVG 60 VA4571	60/ V4A	5022084	6208 89 1		478
MAH 050 FS	50-50 / ST / FS	6765553	6358 50 0		160
MAH 075 FS	75-75 / ST / FS	6874699	6358 51 0		160
MAH 100 FS	100-100 / ST / FS	6765676	6358 52 7		160
MAH 150 FS	150-150 / ST / FS	6765737	6358 53 5		160
MAH 200 FS	200-200 / ST / FS	6765799	6358 54 3		160
MAH 35 100 FS	100 M10/ St / FS	5364061	6358 69 0		159
MAH 35 200 FS	200 M10/ St / FS	5364078	6358 69 2		159
MAH 35 300 FS	300 M10/ St / FS	5364085	6358 69 4		159
MAH 60 100 FS	100-100 M10/ ST / FS	6939374	6358 70 5		160
MAH 60 100 FT	100-100 M10/ ST / FT	6947171	6358 75 2		160
MAH 60 150 FS	150-150 M10/ ST / FS	6939435	6358 70 9		160
MAH 60 150 FT	150-150 M10/ ST / FT	6947232	6358 75 6		160
MAH 60 200 FS	200-200 M10/ ST / FS	6939497	6358 71 3		160
MAH 60 200 FT	200-200 M10/ ST / FT	6947294	6358 76 0		160
MAH 60 300 FS	300-300 M10/ ST / FS	6939558	6358 71 7		160
MAH 60 300 FT	300-300 M10/ ST / FT	6947355	6358 76 4		160
MAH LTR FS	75-75 M10/ St / FS	5268611	6358 81 0		379

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
MAHU 200 FS	200/ St / FS	5435761	6358 85 3		160
MAHU 200 FS	200/ St / FS	5435761	6358 85 3		322
MAHU 200 FT	200/ St / FT	5435839	6358 88 4		160
MAHU 200 FT	200/ St / FT	5435839	6358 88 4		322
MAHU 200 R8 FS	200/ St / FS	5843849	6358 87 2		160
MAHU 300 FS	300/ St / FS	5435778	6358 85 6		160
MAHU 300 FS	300/ St / FS	5435778	6358 85 6		322
MAHU 300 FT	300/ St / FT	5435846	6358 88 8		160
MAHU 300 FT	300/ St / FT	5435846	6358 88 8		322
MAHU 300 R8 FS	300/ St / FS	5843894	6358 87 3		160
MAHU 400 FS	400/ St / FS	5435785	6358 86 0		160
MAHU 400 FS	400/ St / FS	5435785	6358 86 0		322
MAHU 400 FT	400/ St / FT	5435877	6358 89 2		160
MAHU 400 FT	400/ St / FT	5435877	6358 89 2		322
MAHU 400 R8 FS	400/ St / FS	5843900	6358 87 4		160
MAHU 500 FS	500/ St / FS	5435815	6358 86 4		160
MAHU 500 FS	500/ St / FS	5435815	6358 86 4		322
MAHU 500 FT	500/ St / FT	5435884	6358 89 6		160
MAHU 500 FT	500/ St / FT	5435884	6358 89 6		322
MAHU 500 R8 FS	500/ St / FS	5843948	6358 87 5		160
MAHU 600 FS	600/ St / FS	5435822	6358 86 8		160
MAHU 600 FS	600/ St / FS	5435822	6358 86 8		322
MAHU 600 FT	600/ St / FT	5435891	6358 90 0		160
MAHU 600 FT	600/ St / FT	5435891	6358 90 0		322
MAHU 600 R8 FS	600/ St / FS	5843955	6358 87 6		160
MAS 140 10 FT	1400/ ST / FT	6295753	6356 31 1		398
MASD 90 FT	900/ ST / FT	6471195	6356 91 5		398
				/m	
MKR 15 050 ALU	502000/ Al	6381975	6045 70 7		384
MKR 15 050 FS	502000/ St / FS	6561971	6045 95 2		384
MKR 15 050 FT	502000/ St / FT	6053650	6045 05 7		384
MKR 15 050VA4301	501,25/ V2A	5706663	6045 83 0		384
MKR 15 050VA4571	501,25/ V4A	5706748	6045 85 0		385
MKR 15 075 ALU	752000/ Al	6382033	6045 71 5		384
MKR 15 075 FS	752000/ St / FS	6562039	6045 96 0		384
MKR 15 075 FT	752000/ St / FT	6053711	6045 07 3		384
MKR 15 075VA4301	751,25/ V2A	5706670	6045 83 2		384
MKR 15 075VA4571	751,25/ V4A	5706755	6045 85 2		385
MKR 15 100 ALU	1002000/ Al	6382095	6045 72 3		384
MKR 15 100 FS	1002000/ St / FS	6562091	6045 97 9		384
MKR 15 100 FT	1002000/ St / FT	6053773	6045 10 3		384
MKR 15 100VA4301	1001,25/ V2A	5706687	6045 83 4		384
MKR 15 100VA4571	1001,25/ V4A	5706762	6045 85 4		385
MKR 15 125 FT	1252000/ St / FT	6053834	6045 13 8		384
MKR 15 125VA4301	1251,25/ V2A	5706694	6045 83 6		384
MKR 15 125VA4571	1251,25/ V4A	5706779	6045 85 6		385
MKR 15 150 ALU	1502000/ Al	6382217	6045 75 8		384
MKR 15 150 FS	1502000/ St / FS	6562213	6045 99 5		384
MKR 15 150 FT	1502000/ St / FT	6053896	6045 15 4		384
MKR 15 150VA4301	1501,5/ V2A	5706700	6045 83 8		384
MKR 15 150VA4571	1501,5/ V4A	5706786	6045 85 8		385
MKR 15 200 ALU	2002000/ Al	6382279	6045 76 6		384
MKR 15 200 FS	2002000/ St / FS	6562275	6046 00 2		384
MKR 15 200 FT	2002000/ St / FT	6053957	6045 20 0		384
MKR 15 200VA4301	2001,5/ V2A	5706717	6045 84 0		384
MKR 15 200VA4571	2001,5/ V4A	5706793	6045 86 0		385
MKR 15 250 ALU	2502000/ Al	6382330	6045 77 4		384
MKR 15 250 FT	2502000/ St / FT	6054015	6045 25 1		384
MKR 15 250VA4301	2501,5/ V2A	5706724	6045 84 2		384
MKR 15 250VA4571	2501,5/ V4A	5706809	6045 86 2		385
MKR 15 300 FS	3002000/ St / FS	6562398	6046 02 9		384
MKR 15 300 FT	3002000/ St / FT	6054077	6045 30 8		384
MKR 15 300VA4301	3001,5/ V2A	5706731	6045 84 4		384
MKR 15 300VA4571	3001,5/ V4A	5706830	6045 86 4		385
MKS 610 VA4301	1001/ V2A	6389292	6056 01 6		419
MKS 620 VA4301	2001/ V2A	6389353	6056 02 4		419
MKS 630 VA4301	3001/ V2A	6389414	6056 04 0		419
MKS 640 VA4301	4001/ V2A	6389476	6056 05 9		419
MKS 650 VA4301	5001/ V2A	6389537	6056 07 5		419
MKS 660 VA4301	6001/ V2A	6389599	6056 08 3		419

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
MKSM 110 FS	1001/ St / FS	5830627	6059 15 6		256
MKSM 110 FT	1001/ St / FT	5831037	6059 17 3		256
MKSM 115 FS	1501/ St / FS	5830924	6059 15 8		256
MKSM 115 FT	1501/ St / FT	5831044	6059 17 5		256
MKSM 120 FS	2001/ St / FS	5830931	6059 16 0		256
MKSM 120 FT	2001/ St / FT	5831051	6059 17 7		256
MKSM 130 FS	3001/ St / FS	5830948	6059 16 2		256
MKSM 130 FT	3001/ St / FT	5831068	6059 17 9		256
MKSM 140 FS	4001/ St / FS	5830986	6059 16 4		256
MKSM 140 FT	4001/ St / FT	5831105	6059 18 1		256
MKSM 150 FS	5001/ St / FS	5830993	6059 16 6		256
MKSM 150 FT	5001/ St / FT	5831112	6059 18 3		256
MKSM 160 FS	6001/ St / FS	5831006	6059 16 8		256
MKSM 160 FT	6001/ St / FT	5831129	6059 18 5		256
MKSM 610 FS	1001/ St / FS	5829553	6059 00 0		234
MKSM 610 FT	1001/ St / FT	5830023	6059 01 8		234
MKSM 615 FS	1501/ St / FS	5829935	6059 00 2		234
MKSM 615 FT	1501/ St / FT	5830030	6059 02 0		234
MKSM 620 FS	2001/ St / FS	5829942	6059 00 4		234
MKSM 620 FT	2001/ St / FT	5830047	6059 02 2		234
MKSM 630 FS	3001/ St / FS	5829959	6059 00 6		234
MKSM 630 FT	3001/ St / FT	5830085	6059 02 5		234
MKSM 640 FS	4001/ St / FS	5829966	6059 00 8		234
MKSM 640 FT	4001/ St / FT	5830092	6059 02 7		234
MKSM 650 FS	5001/ St / FS	5829973	6059 01 0		234
MKSM 650 FT	5001/ St / FT	5830108	6059 02 9		234
MKSM 660 FS	6001/ St / FS	5829980	6059 01 2		234
MKSM 660 FT	6001/ St / FT	5830146	6059 03 2		234
MKSM 810 FS	1001/ St / FS	5830344	6059 08 0		247
MKSM 810 FT	1001/ St / FT	5830412	6059 09 7		247
MKSM 815 FS	1501/ St / FS	5830351	6059 08 2		247
MKSM 815 FT	1501/ St / FT	5830429	6059 09 9		247
MKSM 820 FS	2001/ St / FS	5830368	6059 08 4		247
MKSM 820 FT	2001/ St / FT	5830436	6059 10 1		247
MKSM 830 FS	3001/ St / FS	5830375	6059 08 6		247
MKSM 830 FT	3001/ St / FT	5830443	6059 10 3		247
MKSM 840 FS	4001/ St / FS	5830382	6059 08 8		247
MKSM 840 FT	4001/ St / FT	5830450	6059 10 5		247
MKSM 850 FS	5001/ St / FS	5830399	6059 09 0		247
MKSM 850 FT	5001/ St / FT	5830467	6059 10 7		247
MKSM 860 FS	6001/ St / FS	5830405	6059 09 2		247
MKSM 860 FT	6001/ St / FT	5830474	6059 10 9		247
MKSMU 110 FS	1001/ St / FS	5832003	6059 38 2		258

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
MKSMU 110 FT	1001/ St / FT	5832126	6059 39 9		258
MKSMU 115 FS	1501/ St / FS	5832010	6059 38 4		258
MKSMU 115 FT	1501/ St / FT	5832133	6059 40 1		258
MKSMU 120 FS	2001/ St / FS	5832027	6059 38 6		258
MKSMU 120 FT	2001/ St / FT	5832140	6059 40 3		258
MKSMU 130 FS	3001/ St / FS	5832065	6059 38 8		258
MKSMU 130 FT	3001/ St / FT	5832188	6059 40 5		258
MKSMU 140 FS	4001/ St / FS	5832072	6059 39 0		258
MKSMU 140 FT	4001/ St / FT	5832195	6059 40 7		258
MKSMU 150 FS	5001/ St / FS	5832089	6059 39 2		258
MKSMU 150 FT	5001/ St / FT	5832201	6059 40 9		258
MKSMU 160 FS	6001/ St / FS	5832119	6059 39 4		258
MKSMU 160 FT	6001/ St / FT	5832232	6059 41 1		258
MKSMU 610 FS	1001/ St / FS	5831341	6059 23 0		236
MKSMU 610 FT	1001/ St / FT	5831419	6059 24 8		236
MKSMU 615 FS	1501/ St / FS	5831358	6059 23 2		236
MKSMU 615 FT	1501/ St / FT	5831426	6059 25 0		236
MKSMU 620 FS	2001/ St / FS	5831365	6059 23 4		236
MKSMU 620 FT	2001/ St / FT	5831433	6059 25 2		236
MKSMU 630 FS	3001/ St / FS	5831372	6059 23 7		236
MKSMU 630 FT	3001/ St / FT	5831440	6059 25 4		236
MKSMU 640 FS	4001/ St / FS	5831389	6059 23 9		236
MKSMU 640 FT	4001/ St / FT	5831457	6059 25 6		236
MKSMU 650 FS	5001/ St / FS	5831396	6059 24 1		236
MKSMU 650 FT	5001/ St / FT	5831464	6059 25 8		236
MKSMU 660 FS	6001/ St / FS	5831402	6059 24 3		236
MKSMU 660 FT	6001/ St / FT	5831471	6059 26 0		236
MKSMU 810 FS	1001/ St / FS	5831624	6059 30 8		249
MKSMU 810 FT	1001/ St / FT	5831693	6059 32 5		249
MKSMU 815 FS	1501/ St / FS	5831631	6059 31 0		249
MKSMU 815 FT	1501/ St / FT	5831709	6059 32 7		249
MKSMU 820 FS	2001/ St / FS	5831648	6059 31 2		249
MKSMU 820 FT	2001/ St / FT	5831716	6059 32 9		249
MKSMU 830 FS	3001/ St / FS	5831655	6059 31 4		249
MKSMU 830 FT	3001/ St / FT	5831723	6059 33 1		249
MKSMU 840 FS	4001/ St / FS	5831662	6059 31 6		249
MKSMU 840 FT	4001/ St / FT	5831730	6059 33 3		249
MKSMU 850 FS	5001/ St / FS	5831679	6059 31 8		249
MKSMU 850 FT	5001/ St / FT	5831747	6059 33 5		249
MKSMU 860 FS	6001/ St / FS	5831686	6059 32 0		249
MKSMU 860 FT	6001/ St / FT	5831754	6059 33 7		249
MKSU 610 VA4301	1000,8/ V2A	6063970	6063 77 2		419
MKSU 620 VA4301	2000,8/ V2A	6064038	6063 78 0		419
MKSU 630 VA4301	3000,8/ V2A	6064090	6063 79 9		419
MKSU 640 VA4301	4001/ V2A	6064151	6063 84 5		419
MKSU 650 VA4301	5001/ V2A	6064212	6063 86 1		419
MKSU 660 VA4301	6001/ V2A	6064274	6063 88 8		419
				/100 pc.	
MMS10X100	10 x 100/ ST / G	5964049	3498 15 8		219
MMS10X80	10 x 80/ ST / G	5963981	3498 12 3		219
MMS6X50	6 x 50 50/ ST / G	5963929	3498 10 7		218
MMS-ST6X60	M6 6 x 60/ St / G	5964162	3498 26 3		219
				/pc.	
MP 225 UNI FS	115225/ ST / FS	5012245	7084 87 0		266
MP FL DD	235120/ ST / DD	5163268	7085 10 8		267
MP FL FS	235120/ ST / FS	6146772	7084 75 7		267
MP UNI DD	115170/ ST / DD	5163312	7085 11 4		266
MP UNI DD	115170/ ST / DD	5163312	7085 11 4		296
MP UNI FS	115170/ ST / FS	6146895	7084 77 3		266
MP UNI FS	115170/ ST / FS	6146895	7084 77 3		296
MP UNI VA4301	115170/ V2A	5166320	7085 13 3		425
MP WI GR. DD	240200/ ST / DD	5286790	7085 11 2		267
MP WI GR. FS	240200/ ST / FS	6146956	7084 78 1		267
MP WI KL. DD	210120/ ST / DD	5163305	7085 11 1		267
MP WI KL. FS	210120/ ST / FS	6146833	7084 76 5		267
MPG 65 FT	8165/ ST / FT	6933259	6006 48 6		296
MPG 65 VA4404	8165/ V4A	6933372	6006 48 8		434
MPG 65 VA4404	8165/ V4A	6933372	6006 48 8		476
MPG 90 FT	11195/ ST / FT	6933310	6006 48 7		296
MPG 90 VA4404	11195/ V4A	6933433	6006 48 9		434
MPG 90 VA4404	11195/ V4A	6933433	6006 48 9		476
				/100 m	
MS 21 D L 3M FS	41x21/ St / FS	5697848	1122 94 7		199
MS 21 D L 3M FT	41x21/ St / FT	5697794	1122 94 4		199
MS 21 D L 6M FS	41x21/ St / FS	5697855	1122 94 8		199
MS 21 D L 6M FT	41x21/ St / FT	5697800	1122 94 5		199
MS 21 D L3M 2V2A	41x21/ V2A	5938002	1122 95 2		414
MS 21 D L6M 2V2A	41x21/ V2A	5938019	1122 95 4		414
				/100 pc.	
MS 21 L 200 FT	41x21/ St / FT	5697626	1122 93 3		199
				/100 m	
MS 21 L 2M FS	41x21/ St / FS	5686262	1122 91 8		199
MS 21 L 2M FT	41x21/ St / FT	5697541	1122 92 3		199
				/100 pc.	
MS 21 L 300 FT	41x21/ St / FT	5697664	1122 93 4		199
				/100 m	
MS 21 L 3M FS	41x21/ St / FS	5686279	1122 92 0		199
MS 21 L 3M FT	41x21/ St / FT	5686293	1122 92 4		199
MS 21 L 3M V2A	41x21/ V2A	5697558	1122 92 8		414
				/100 pc.	
MS 21 L 400 FT	41x21/ St / FT	5697671	1122 93 5		199
MS 21 L 500 FT	41x21/ St / FT	5697688	1122 93 6		199
MS 21 L 600 FT	41x21/ St / FT	5697725	1122 93 7		199
				/100 m	
MS 21 L 6M FS	41x21/ St / FS	5686286	1122 92 2		199
MS 21 L 6M FT	41x21/ St / FT	5686309	1122 92 6		199
MS 21 L 6M V2A	41x21/ V2A	5697565	1122 92 9		414
				/100 pc.	
MS 21 L 700 FT	41x21/ St / FT	5697732	1122 93 8		199
MS 21 L 800 FS	41x21/ St / FS	5848042	1122 95 7		198
MS 21 L 800 FT	41x21/ St / FT	5697749	1122 93 9		199
MS 21 L 900 FT	41x21/ St / FT	5697787	1122 94 0		199
MS 21 SK OR SP	Pastel orange/ PE	5686217	1122 90 2		199
MS 21 SK OR SP	Pastel orange/ PE	5686217	1122 90 2		414
				/100 m	
MS 41 D L3M 2V2A	41x82/ V2A	5938026	1122 68 2		415
MS 41 D L6M 2V2A	41x82/ V2A	5938033	1122 68 4		415
				/100 pc.	
MS 41 EDK OR	Pastel orange/ PE	5894117	1122 90 6		202
MS 41 EDK OR	Pastel orange/ PE	5894117	1122 90 6		415
				/100 m	
MS 41 L 1M 2 FS	41x41/ St / FS	5698142	1122 97 0		200
MS 41 L 1M 2 FT	41x41/ St / FT	5698081	1122 96 2		200
MS 41 L 1M 2 V2A	41x41/ V2A	5698203	1122 97 8		414
MS 41 L 1M FS	41x41/ St / FS	5697503	1122 90 8		200
MS 41 L 1M FT	41x41/ St / FT	5487272	1122 60 6		200

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
MS 41 L 200 FT	41x41/ St / FT	5484516	1122 50 9		200
MS 41 L 300 FT	41x41/ St / FT	5485896	1122 51 7		200
				/100 m	
MS 41 L 3M 2 FS	41x41/ St / FS	5698159	1122 97 2		200
MS 41 L 3M 2 FT	41x41/ St / FT	5698098	1122 96 4		200
MS 41 L 3M 2 V2A	41x41/ V2A	5698210	1122 98 0		414
MS 41 L 3M FS	41x41/ St / FS	5686224	1122 91 0		200
MS 41 L 3M FT	41x41/ St / FT	5487876	1122 62 2		200
				/100 pc.	
MS 41 L 400 FT	41x41/ St / FT	5486251	1122 52 5		200
MS 41 L 500 FT	41x41/ St / FT	5486794	1122 53 3		200
MS 41 L 600 FT	41x41/ St / FT	5486916	1122 54 1		200
				/100 m	
MS 41 L 6M 2 FS	41x41/ St / FS	5698166	1122 97 4		200
MS 41 L 6M 2 FT	41x41/ St / FT	5698104	1122 96 6		200
MS 41 L 6M 2 V2A	41x41/ V2A	5698227	1122 98 2		414
MS 41 L 6M FS	41x41/ St / FS	5686231	1122 91 2		200
MS 41 L 6M FT	41x41/ St / FT	5488170	1122 65 7		200
				/100 pc.	
MS 41 L 700 FT	41x41/ St / FT	5487036	1122 56 8		200
MS 41 L 800 FT	41x41/ St / FT	5487098	1122 57 6		200
MS 41 L 900 FT	41x41/ St / FT	5487159	1122 58 4		200
				/100 m	
MS 41 LS 1M 2 FS	41x41/ St / FS	5697923	1123 00 8		200
MS 41 LS 1M 2 FT	41x41/ St / FT	5697862	1123 00 1		201
MS 41 LS 1M FS	41x41/ St / FS	5697978	1122 48 1		201
MS 41 LS 1M FT	41x41/ St / FT	5697961	1122 47 9		201
MS 41 LS 3M 2 FS	41x41/ St / FS	5698319	1123 01 0		200
MS 41 LS 3M 2 FT	41x41/ St / FT	5697909	1123 00 3		201
MS 41 LS 3M FS	41x41/ St / FS	5686248	1122 91 4		201
MS 41 LS 3M FT	41x41/ St / FT	5050735	1122 48 3		201
MS 41 LS 6M 2 FS	41x41/ St / FS	5698326	1123 01 2		200
MS 41 LS 6M 2 FT	41x41/ St / FT	5697916	1123 00 5		201
MS 41 LS 6M FS	41x41/ St / FS	5686255	1122 91 6		201
MS 41 LS 6M FT	41x41/ St / FT	5050742	1122 48 7		201
MS 41 LS1M 2 V2A	/ V2A	5698333	1123 01 4		414
MS 41 LS3M 2 V2A	/ V2A	5698340	1123 01 6		414
MS 41 LS6M 2 V2A	/ V2A	5698388	1123 01 8		414
				/100 pc.	
MS 41 SK OR SP	Pastel orange/ PE	5686200	1122 90 0		201
MS 41 SK OR SP	Pastel orange/ PE	5686200	1122 90 0		415
				/100 m	
MS 41D L 3M 2 FS	41x82/ St / FS	5698036	1122 67 6		201
MS 41D L 3M 2 FT	41x82/ St / FT	5697985	1122 67 1		201
MS 41D L 6M 2 FS	41x82/ St / FS	5698043	1122 67 8		201
MS 41D L 6M 2 FT	41x82/ St / FT	5698029	1122 67 3		201
				/pc.	
MW 45 SL10 FT	/ ST / FT	6013692	6017 32 0		302
MW 45 SL10VA4301	/ V2A	6013753	6017 33 9		436
MW 90 SL17 FT	/ ST / FT	6013814	6017 34 7		302
MW 90 SL17VA4301	/ V2A	6012855	6016 27 8		436
MW 90 SL23 FT	/ ST / FT	6013876	6017 35 5		302
MW 90 SL23VA4301	/ V2A	6012916	6016 30 8		436
MWA 12 11S FS	11053/ St / FS	6636853	6424 71 6		178
MWA 12 21S FS	21065/ St / FS	6636976	6424 73 2		178
MWA 12 31S FS	31075/ St / FS	6637034	6424 74 0		178
MWA 12 41S FS	41083/ St / FS	6637096	6424 75 9		178
MWAG 12 11 FS	11053/ St / FS	6324736	6424 60 0		180
MWAG 12 21 FS	21065/ St / FS	6325030	6424 60 8		180
MWAG 12 31 FS	31075/ St / FS	6325337	6424 61 6		180
MWAG 12 41 FS	41083/ St / FS	6325634	6424 62 4		180
MWAM 12 11 FS	11053/ St / FS	5438526	6424 55 0		179
MWAM 12 21 FS	21065/ St / FS	5438533	6424 55 2		179
MWAM 12 31 FS	31075/ St / FS	5438540	6424 55 4		179
MWAM 12 41 FS	41083/ St / FS	5438571	6424 55 6		179
RAA 110 FS	100/ ST / FS	6819799	7002 63 7		280
RAA 110 FT	100/ ST / FT	6813490	7123 11 6		280
RAA 120 FS	200/ ST / FS	6819850	7002 65 3		280
RAA 120 FT	200/ ST / FT	6813551	7123 21 3		280
RAA 130 FS	300/ ST / FS	6819911	7002 68 8		280
RAA 130 FT	300/ ST / FT	6813674	7123 31 0		280
RAA 140 FS	400/ ST / FS	6213610	7002 69 6	/pc.	280
RAA 140 FT	400/ ST / FT	6247097	7123 39 6		280
RAA 150 FS	500/ ST / FS	6213672	7002 72 6		280
RAA 150 FT	500/ ST / FT	6247158	7123 50 7		280
RAA 155 FS	550/ ST / FS	6213733	7002 73 4		280
RAA 155 FT	550/ ST / FT	6247219	7123 55 8		280
RAA 610 FS	100/ St / FS	6379392	6040 40 3		280
RAA 610 FT	100/ ST / FT	6813131	7121 10 9		280
RAA 620 FS	200/ St / FS	6379453	6040 43 8		280
RAA 620 FT	200/ ST / FT	6813193	7121 21 0		280
RAA 630 FS	300/ St / FS	6379514	6040 44 6		280
RAA 630 FT	300/ ST / FT	6813254	7121 31 8		280
RAA 640 FS	400/ St / FS	6212897	7002 39 4		280
RAA 640 FT	400/ ST / FT	6246373	7121 40 7		280
RAA 650 FS	500/ St / FS	6212958	7002 41 6		280
RAA 650 FT	500/ ST / FT	6246434	7121 50 4		280
RAA 660 FS	600/ St / FS	6213016	7002 43 2		280
RAA 660 FT	600/ ST / FT	6246496	7121 60 1		280
RAAM 110 FS	100/ St / FS	5882039	6041 92 0		263
RAAM 110 FT	100/ St / FT	5882091	6041 94 0		263
RAAM 115 FS	150/ St / FS	5896067	6041 92 1		263
RAAM 115 FT	150/ St / FT	5896074	6041 94 1		263
RAAM 120 FS	200/ St / FS	5882046	6041 92 2		263
RAAM 120 FT	200/ St / FT	5882107	6041 94 2		263
RAAM 130 FS	300/ St / FS	5882053	6041 92 4		263
RAAM 130 FT	300/ St / FT	5882114	6041 94 4		263
RAAM 140 FS	400/ St / FS	5882060	6041 92 6		263
RAAM 140 FT	400/ St / FT	5882121	6041 94 6		263
RAAM 150 FS	500/ St / FS	5882077	6041 92 8		263
RAAM 150 FT	500/ St / FT	5882152	6041 94 8		263
RAAM 160 FS	600/ St / FS	5882084	6041 93 0		263
RAAM 160 FT	600/ St / FT	5882169	6041 95 0		263
RAAM 310 FS	100/ St / FS	5881353	6041 02 0		229
RAAM 320 FS	200/ St / FS	5881513	6041 02 2		229
RAAM 330 FS	300/ St / FS	5881520	6041 02 4		229
RAAM 610 FS	100/ St / FS	5878568	6041 23 0		243
RAAM 610 FSK RW	100 Pure white/ St / FSK	5986881	6042 78 0		243
RAAM 610 FT	100/ St / FT	5878698	6041 25 0		243
RAAM 610 VA4301	100/ V2A	5878797	6041 27 0		424
RAAM 610 VA4571	100/ V4A	5878865	6041 29 0		468
RAAM 615 FS	150/ St / FS	5878575	6041 23 2		243
RAAM 615 FT	150/ St / FT	5878704	6041 25 2		243
RAAM 615 VA4301	150/ V2A	5878803	6041 27 1		424
RAAM 615 VA4571	150/ V4A	5878872	6041 29 2		468
RAAM 620 FS	200/ St / FS	5878582	6041 23 4		243
RAAM 620 FSK RW	200 Pure white/ St / FSK	5986898	6042 78 4		243

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /pc.	Page
RAAM 620 FT	200/ St / FT	5878742	6041 25 4		243
RAAM 620 VA4301	200/ V2A	5878810	6041 27 5		424
RAAM 620 VA4571	200/ V4A	5878889	6041 29 4		468
RAAM 630 FS	300/ St / FS	5878629	6041 23 6		243
RAAM 630 FSK RW	300 Pure white/ St / FSK	5986904	6042 78 6		243
RAAM 630 FT	300/ St / FT	5878759	6041 25 7		243
RAAM 630 VA4301	300/ V2A	5878827	6041 27 7		424
RAAM 630 VA4571	300/ V4A	5878926	6041 29 6		468
RAAM 640 FS	400/ St / FS	5878636	6041 23 8		243
RAAM 640 FSK RW	400 Pure white/ St / FSK	5986911	6042 78 8		243
RAAM 640 FT	400/ St / FT	5878766	6041 25 9		243
RAAM 640 VA4301	400/ V2A	5878834	6041 27 9		424
RAAM 640 VA4571	400/ V4A	5878933	6041 29 8		468
RAAM 650 FS	500/ St / FS	5878643	6041 24 0		243
RAAM 650 FSK RW	500 Pure white/ St / FSK	5986928	6042 79 0		243
RAAM 650 FT	500/ St / FT	5878773	6041 26 1		243
RAAM 650 VA4301	500/ V2A	5878841	6041 28 2		424
RAAM 650 VA4571	500/ V4A	5878940	6041 30 0		468
RAAM 660 FS	600/ St / FS	5878681	6041 24 2		243
RAAM 660 FSK RW	600 Pure white/ St / FSK	5986935	6042 79 2		243
RAAM 660 FT	600/ St / FT	5878780	6041 26 3		243
RAAM 660 VA4301	600/ V2A	5878858	6041 28 4		424
RAAM 660 VA4571	600/ V4A	5878988	6041 30 3		468
RAAM 810 FS	100/ St / FS	5880851	6041 57 0		253
RAAM 810 FT	100/ St / FT	5880912	6041 59 0		253
RAAM 815 FS	150/ St / FS	5895862	6041 57 1		253
RAAM 815 FT	150/ St / FT	5895893	6041 59 1		253
RAAM 820 FS	200/ St / FS	5880868	6041 57 2		253
RAAM 820 FT	200/ St / FT	5880929	6041 59 2		253
RAAM 830 FS	300/ St / FS	5880875	6041 57 4		253
RAAM 830 FT	300/ St / FT	5880967	6041 59 4		253
RAAM 840 FS	400/ St / FS	5880882	6041 57 6		253
RAAM 840 FT	400/ St / FT	5880974	6041 59 6		253
RAAM 850 FS	500/ St / FS	5880899	6041 57 8		253
RAAM 850 FT	500/ St / FT	5880981	6041 59 8		253
RAAM 860 FS	600/ St / FS	5880905	6041 58 0		253
RAAM 860 FT	600/ St / FT	5881025	6041 60 0		253
RAZLA1505 FS	5050/ St / FS	5858348	6069 86 0		371
RAZLA1505 FT	5050/ St / FT	5858355	6069 86 2		371
RAZLA1505 VA4301	5050/ V2A	5858362	6069 86 4		371
RAZLA1510 FS	50100/ St / FS	5858379	6069 88 0		371
RAZLA1510 FT	50100/ St / FT	5858386	6069 88 2		371
RAZLA1510 VA4301	50100/ V2A	5858393	6069 88 4		371
RB 90 110 FS	100/ ST / FS	6819430	7001 89 4		279
RB 90 110 FT	100/ ST / FT	6814695	7127 10 3		279
RB 90 120 FS	200/ ST / FS	6819492	7001 91 6		279
RB 90 120 FT	200/ ST / FT	6814756	7127 22 7		279
RB 90 130 FS	300/ ST / FS	6819553	7001 93 2		279
RB 90 130 FT	300/ ST / FT	6814817	7127 32 0		279
RB 90 140 FS	400/ ST / FS	6212354	7001 94 0		280
RB 90 140 FT	400/ ST / FT	6248414	7127 41 3		280
RB 90 150 FS	500/ ST / FS	6212415	7001 96 7		280
RB 90 150 FT	500/ ST / FT	6248476	7127 49 9		280
RB 90 155 FS	550/ ST / FS	6212477	7001 97 5		280
RB 90 155 FT	550/ ST / FT	6248537	7127 54 5		280
RB 90 610 FS	100/ St / FS	6050475	6043 21 6		279
RB 90 610 FT	100/ ST / FT	6814091	7125 10 0		279
RB 90 620 FS	200/ St / FS	6050536	6043 22 4		279
RB 90 620 FT	200/ ST / FT	6814152	7125 22 0		279
RB 90 630 FS	300/ St / FS	6050598	6043 23 2		279
RB 90 630 FT	300/ ST / FT	6814336	7125 30 5		279
RB 90 640 FS	400/ St / FS	6211630	7001 29 0		279
RB 90 640 FT	400/ ST / FT	6247691	7125 41 0		279
RB 90 645 FT	450/ St / FT	6962907	7125 46 1		243
RB 90 650 FS	500/ St / FS	6211692	7001 30 4		279
RB 90 650 FT	500/ ST / FT	6247752	7125 52 6		279
RB 90 660 FS	600/ St / FS	6211753	7001 31 2		279
RB 90 660 FT	600/ ST / FT	6247813	7125 58 5		279
RB 90 675 FT	750/ St / FT	5919964	7125 58 6		243
RB 90 690 FT	900/ St / FT	5919971	7125 58 8		243
RB 90 75 050 FS	51/ St / FS	5703983	7061 14 6		385
RB 90 75 050 FT	51/ St / FT	6223879	7061 14 5		385
RB 90 75 075 FS	76/ St / FS	5706854	7061 05 0		385
RB 90 75 075 FT	76/ St / FT	6223817	7061 04 8		385
RB 90 75 100 FS	101/ St / FS	5706861	7061 24 4		385
RB 90 75 100 FT	101/ St / FT	6223930	7061 24 2		385
RB 90 75 125 FS	126/ St / FS	5706878	7061 25 2		385
RB 90 75 150 FS	151/ St / FS	5706885	7061 36 0		385
RB 90 75 200 FS	201/ St / FS	5706892	7061 44 9		385
RB 90 75 200 FT	201/ St / FT	6224050	7061 44 7		385
RB 90 75 250 FS	252/ St / FS	5706908	7061 54 6		385
RB 90 75 250 FT	252/ St / FT	6224111	7061 54 4		385
RB 90 75 300 FS	302/ St / FS	5706915	7061 64 3		385
RB 90 75 300 FT	302/ St / FT	6224173	7061 64 1		385
RBM 45 110 FS	100/ St / FS	5880141	6041 75 0		262
RBM 45 110 FT	100/ St / FT	5880264	6041 78 0		262
RBM 45 115 FS	150/ St / FS	5895961	6041 75 1		262
RBM 45 115 FT	150/ St / FT	5895978	6041 78 1		262
RBM 45 120 FS	200/ St / FS	5880189	6041 75 2		262
RBM 45 120 FT	200/ St / FT	5880295	6041 78 2		262
RBM 45 130 FS	300/ St / FS	5880196	6041 75 4		262
RBM 45 130 FT	300/ St / FT	5880301	6041 78 4		262
RBM 45 140 FS	400/ St / FS	5880202	6041 75 6		262
RBM 45 140 FT	400/ St / FT	5880318	6041 78 6		262
RBM 45 150 FS	500/ St / FS	5880240	6041 75 8		262
RBM 45 150 FT	500/ St / FT	5880325	6041 78 8		262
RBM 45 160 FS	600/ St / FS	5880257	6041 76 0		262
RBM 45 160 FT	600/ St / FT	5880356	6041 79 0		262
RBM 45 310 FS	100/ St / FS	5877615	6041 00 0		228
RBM 45 320 FS	200/ St / FS	5881285	6041 00 2		228
RBM 45 330 FS	300/ St / FS	5881315	6041 00 4		228

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /pc.	Page
RBM 45 610 FS	100/ St / FS	5881537	6041 04 0		242
RBM 45 610 FT	100/ St / FT	5881605	6041 06 0		242
RBM 45 610VA4301	100/ V2A	5881674	6041 08 0		423
RBM 45 610VA4571	100/ V4A	5881742	6041 10 0		468
RBM 45 615 FS	150/ St / FS	5881544	6041 04 2		242
RBM 45 615 FT	150/ St / FT	5881612	6041 06 2		242
RBM 45 615VA4301	150/ V2A	5881681	6041 08 2		423
RBM 45 615VA4571	150/ V4A	5881759	6041 10 2		468
RBM 45 620 FS	200/ St / FS	5881551	6041 04 4		242
RBM 45 620 FT	200/ St / FT	5881629	6041 06 4		242
RBM 45 620VA4301	200/ V2A	5881698	6041 08 4		423
RBM 45 620VA4571	200/ V4A	5881766	6041 10 4		468
RBM 45 630 FS	300/ St / FS	5881568	6041 04 6		242
RBM 45 630 FT	300/ St / FT	5881636	6041 06 6		242
RBM 45 630VA4301	300/ V2A	5881704	6041 08 6		423
RBM 45 630VA4571	300/ V4A	5881773	6041 10 6		468
RBM 45 640 FS	400/ St / FS	5881575	6041 04 8		242
RBM 45 640 FT	400/ St / FT	5881643	6041 06 8		242
RBM 45 640VA4301	400/ V2A	5881711	6041 08 8		423
RBM 45 640VA4571	400/ V4A	5881780	6041 10 8		468
RBM 45 650 FS	500/ St / FS	5881582	6041 05 0		242
RBM 45 650 FT	500/ St / FT	5881650	6041 07 0		242
RBM 45 650VA4301	500/ V2A	5881728	6041 09 0		423
RBM 45 650VA4571	500/ V4A	5881797	6041 11 0		468
RBM 45 660 FS	600/ St / FS	5881599	6041 05 2		242
RBM 45 660 FT	600/ St / FT	5881667	6041 07 2		242
RBM 45 660VA4301	600/ V2A	5881735	6041 09 2		423
RBM 45 660VA4571	600/ V4A	5881803	6041 11 2		468
RBM 45 810 FS	100/ St / FS	5879541	6041 41 0		252
RBM 45 810 FT	100/ St / FT	5879657	6041 43 0		252
RBM 45 815 FS	150/ St / FS	5895749	6041 41 1		252
RBM 45 815 FT	150/ St / FT	5895770	6041 43 1		252
RBM 45 820 FS	200/ St / FS	5879589	6041 41 2		252
RBM 45 820 FT	200/ St / FT	5879664	6041 43 2		252
RBM 45 830 FS	300/ St / FS	5879596	6041 41 4		252
RBM 45 830 FT	300/ St / FT	5879701	6041 43 4		252
RBM 45 840 FS	400/ St / FS	5879602	6041 41 6		252
RBM 45 840 FT	400/ St / FT	5879718	6041 43 6		252
RBM 45 850 FS	500/ St / FS	5879633	6041 41 8		252
RBM 45 850 FT	500/ St / FT	5879725	6041 43 8		252
RBM 45 860 FS	600/ St / FS	5879640	6041 42 0		252
RBM 45 860 FT	600/ St / FT	5879756	6041 44 0		252
RBM 90 110 FS	100/ St / FS	5880547	6041 84 0		262
RBM 90 110 FT	100/ St / FT	5880608	6041 86 0		262
RBM 90 115 FS	150/ St / FS	5896029	6041 84 1		262
RBM 90 115 FT	150/ St / FT	5896036	6041 86 1		262
RBM 90 120 FS	200/ St / FS	5880554	6041 84 2		262
RBM 90 120 FT	200/ St / FT	5880738	6041 86 2		262
RBM 90 130 FS	300/ St / FS	5880561	6041 84 4		262
RBM 90 130 FT	300/ St / FT	5880745	6041 86 4		262
RBM 90 140 FS	400/ St / FS	5880578	6041 84 6		262
RBM 90 140 FT	400/ St / FT	5880752	6041 86 6		262
RBM 90 150 FS	500/ St / FS	5880585	6041 84 8		262
RBM 90 150 FT	500/ St / FT	5880769	6041 86 8		262
RBM 90 160 FS	600/ St / FS	5880592	6041 85 0		262
RBM 90 160 FT	600/ St / FT	5880776	6041 87 0		262
RBM 90 310 FS	100/ St / FS	5881322	6041 01 0		228
RBM 90 320 FS	200/ St / FS	5881339	6041 01 2		228
RBM 90 330 FS	300/ St / FS	5881346	6041 01 4		228
RBM 90 610 FS	100/ St / FS	5881810	6041 13 0		242
RBM 90 610 FT	100/ St / FT	5881889	6041 15 0		242
RBM 90 610VA4301	100/ V2A	5881957	6041 18 0		423
RBM 90 610VA4571	100/ V4A	5878407	6041 20 0		468
RBM 90 615 FS	150/ St / FS	5881827	6041 13 2		242
RBM 90 615 FT	150/ St / FT	5881896	6041 15 2		242
RBM 90 615VA4301	150/ V2A	5878285	6041 18 2		423
RBM 90 615VA4571	150/ V4A	5878445	6041 20 2		468
RBM 90 620 FS	200/ St / FS	5881834	6041 13 4		242
RBM 90 620 FT	200/ St / FT	5881902	6041 15 4		242
RBM 90 620VA4301	200/ V2A	5878322	6041 18 4		423
RBM 90 620VA4571	200/ V4A	5878452	6041 20 4		468
RBM 90 630 FS	300/ St / FS	5881841	6041 13 6		242
RBM 90 630 FT	300/ St / FT	5881919	6041 15 6		242
RBM 90 630VA4301	300/ V2A	5878339	6041 18 6		423
RBM 90 630VA4571	300/ V4A	5878469	6041 20 6		468
RBM 90 640 FS	400/ St / FS	5881858	6041 13 8		242
RBM 90 640 FT	400/ St / FT	5881926	6041 15 8		242
RBM 90 640VA4301	400/ V2A	5878346	6041 18 8		423
RBM 90 640VA4571	400/ V4A	5878506	6041 20 8		468
RBM 90 650 FS	500/ St / FS	5881865	6041 14 0		242
RBM 90 650 FT	500/ St / FT	5881933	6041 16 0		242
RBM 90 650VA4301	500/ V2A	5878384	6041 19 0		423
RBM 90 650VA4571	500/ V4A	5878513	6041 21 0		468
RBM 90 660 FS	600/ St / FS	5881872	6041 14 2		242
RBM 90 660 FT	600/ St / FT	5881940	6041 16 2		242
RBM 90 660VA4301	600/ V2A	5878391	6041 19 2		423
RBM 90 660VA4571	600/ V4A	5878520	6041 21 2		468
RBM 90 810 FS	100/ St / FS	5879886	6041 49 0		252
RBM 90 810 FT	100/ St / FT	5879978	6041 51 0		252
RBM 90 815 FS	150/ St / FS	5895800	6041 49 1		252
RBM 90 815 FT	150/ St / FT	5895831	6041 51 1		252
RBM 90 820 FS	200/ St / FS	5879893	6041 49 2		252
RBM 90 820 FT	200/ St / FT	5879985	6041 51 2		252
RBM 90 830 FS	300/ St / FS	5879909	6041 49 4		252
RBM 90 830 FT	300/ St / FT	5879992	6041 51 4		252
RBM 90 840 FS	400/ St / FS	5879947	6041 49 6		252
RBM 90 840 FT	400/ St / FT	5880004	6041 51 6		252
RBM 90 850 FS	500/ St / FS	5879954	6041 49 8		252
RBM 90 850 FT	500/ St / FT	5880011	6041 51 8		252
RBM 90 860 FS	600/ St / FS	5879961	6041 50 0		252
RBM 90 860 FT	600/ St / FT	5880028	6041 52 0		252

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /pc.	Page
RBM45 610 FSK RAL9010	100/ Pure white/ St / FSK	5986768	6042 74 0		242
RBM45 620 FSK RAL9010	200/ Pure white/ St / FSK	5986775	6042 74 4		242
RBM45 630 FSK RAL9010	300/ Pure white/ St / FSK	5986782	6042 74 6		242
RBM45 640 FSK RAL9010	400/ Pure white/ St / FSK	5986799	6042 74 8		242
RBM45 650 FSK RAL9010	500/ Pure white/ St / FSK	5986805	6042 75 0		242
RBM45 660 FSK RAL9010	600/ Pure white/ St / FSK	5986812	6042 75 2		242
RBM90 610 FSK RAL9010	100/ Pure white/ St / FSK	5986829	6042 76 0		242
RBM90 620 FSK RAL9010	200/ Pure white/ St / FSK	5986836	6042 76 4		242
RBM90 630 FSK RAL9010	300/ Pure white/ St / FSK	5986843	6042 76 6		242
RBM90 640 FSK RAL9010	400/ Pure white/ St / FSK	5986850	6042 76 8		242
RBM90 650 FSK RAL9010	500/ Pure white/ St / FSK	5986867	6042 77 0		242
RBM90 660 FSK RAL9010	600/ Pure white/ St / FSK	5986874	6042 77 2		242
RBMV 110 FS	100/ St / FS	5992745	6040 68 0		263
RBMV 110 FT	100/ St / FT	5992813	6040 70 0		263
RBMV 115 FS	150/ St / FS	5992752	6040 68 2		263
RBMV 115 FT	150/ St / FT	5992820	6040 70 2		263
RBMV 120 FS	200/ St / FS	5992769	6040 68 4		263
RBMV 120 FT	200/ St / FT	5992837	6040 70 4		263
RBMV 130 FS	300/ St / FS	5992776	6040 68 6		263
RBMV 130 FT	300/ St / FT	5992844	6040 70 6		263
RBMV 140 FS	400/ St / FS	5992783	6040 68 8		263
RBMV 140 FT	400/ St / FT	5992851	6040 70 8		263
RBMV 150 FS	500/ St / FS	5992790	6040 69 0		263
RBMV 150 FT	500/ St / FT	5992868	6040 71 0		263
RBMV 160 FS	600/ St / FS	5992806	6040 69 2		263
RBMV 160 FT	600/ St / FT	5992875	6040 71 2		263
RBMV 610 FS	100/ St / FS	5992141	6040 48 0		243
RBMV 610 FT	100/ St / FT	5992219	6040 50 0		243
RBMV 610 VA 4301	100/ V2A	5992288	6040 52 0		423
RBMV 610 VA 4571	100/ V4A	5992356	6040 54 0		468
RBMV 615 FS	150/ St / FS	5992158	6040 48 2		243
RBMV 615 FT	150/ St / FT	5992226	6040 50 2		243
RBMV 615 VA 4301	150/ V2A	5992295	6040 52 2		423
RBMV 615 VA 4571	150/ V4A	5992363	6040 54 2		468
RBMV 620 FS	200/ St / FS	5992165	6040 48 4		243
RBMV 620 FT	200/ St / FT	5992233	6040 50 4		243
RBMV 620 VA 4301	200/ V2A	5992301	6040 52 4		423
RBMV 620 VA 4571	200/ V4A	5992370	6040 54 4		468
RBMV 630 FS	300/ St / FS	5992172	6040 48 6		243
RBMV 630 FT	300/ St / FT	5992240	6040 50 6		243
RBMV 630 VA 4301	300/ V2A	5992318	6040 52 6		423
RBMV 630 VA 4571	300/ V4A	5992387	6040 54 6		468
RBMV 640 FS	400/ St / FS	5992189	6040 48 8		243
RBMV 640 FT	400/ St / FT	5992257	6040 50 8		243
RBMV 640 VA 4301	400/ V2A	5992325	6040 52 8		423
RBMV 640 VA 4571	400/ V4A	5992394	6040 54 8		468
RBMV 650 FS	500/ St / FS	5992196	6040 49 0		243
RBMV 650 FT	500/ St / FT	5992264	6040 51 0		243
RBMV 650 VA 4301	500/ V2A	5992332	6040 53 0		423
RBMV 650 VA 4571	500/ V4A	5992400	6040 55 0		468
RBMV 660 FS	600/ St / FS	5992202	6040 49 2		243
RBMV 660 FT	600/ St / FT	5992271	6040 51 2		243
RBMV 660 VA 4301	600/ V2A	5992349	6040 53 2		423
RBMV 660 VA 4571	600/ V4A	5992417	6040 55 2		468
RBMV 810 FS	100/ St / FS	5992424	6040 58 0		253
RBMV 810 FT	100/ St / FT	5992530	6040 60 0		253
RBMV 815 FS	150/ St / FS	5992462	6040 58 2		253
RBMV 815 FT	150/ St / FT	5992547	6040 60 2		253
RBMV 820 FS	200/ St / FS	5992479	6040 58 4		253
RBMV 820 FT	200/ St / FT	5992554	6040 60 4		253
RBMV 830 FS	300/ St / FS	5992493	6040 58 6		253
RBMV 830 FT	300/ St / FT	5992561	6040 60 6		253
RBMV 840 FS	400/ St / FS	5992509	6040 58 8		253
RBMV 840 FT	400/ St / FT	5992578	6040 60 8		253
RBMV 850 FS	500/ St / FS	5992516	6040 59 0		253
RBMV 850 FT	500/ St / FT	5992585	6040 61 0		253
RBMV 860 FS	600/ St / FS	5992523	6040 59 2		253
RBMV 860 FT	600/ St / FT	5992592	6040 61 2		253
RBV 110 F FS	1001/ St / FS	5711810	7007 35 0		264
RBV 110 F FT	1001/ St / FT	5850922	7007 46 8		264
RBV 110 S FS	1001/ St / FS	5711711	7007 31 0		264
RBV 110 S FT	1001/ St / FT	5850908	7007 39 8		264
RBV 115 F FS	1501/ St / FS	5995616	7007 35 2		264
RBV 115 F FT	1501/ St / FT	5995630	7007 35 3		264
RBV 115 S FS	1501/ St / FS	5995579	7007 31 2		264
RBV 115 S FT	1501/ St / FT	5995593	7007 31 3		264
RBV 120 F FS	2001/ St / FS	5711827	7007 35 4		264
RBV 120 F FT	2001/ St / FT	5809210	7007 47 0		264
RBV 120 S FS	2001/ St / FS	5711728	7007 31 4		264
RBV 120 S FT	2001/ St / FT	5809197	7007 40 0		264
RBV 130 F FS	3001/ St / FS	5711834	7007 35 8		264
RBV 130 F FT	3001/ St / FT	5863649	7007 35 9		264
RBV 130 S FS	3001/ St / FS	5711759	7007 31 8		264
RBV 130 S FT	3001/ St / FT	5863618	7007 31 9		264
RBV 140 F FS	4001/ St / FS	5711841	7007 36 2		264
RBV 140 F FT	4001/ St / FT	5809227	7007 47 4		264
RBV 140 S FS	4001/ St / FS	5711766	7007 32 2		264
RBV 140 S FT	4001/ St / FT	5809203	7007 40 4		264
RBV 150 F FS	5001/ St / FS	5711872	7007 36 6		264
RBV 150 F FT	5001/ St / FT	5863687	7007 36 7		264
RBV 150 S FS	5001/ St / FS	5711773	7007 32 6		264
RBV 150 S FT	5001/ St / FT	5863625	7007 32 7		264
RBV 160 F FS	6001/ St / FS	5995623	7007 37 3		264
RBV 160 F FT	6001/ St / FT	5995647	7007 37 4		264
RBV 160 S FS	6001/ St / FS	5995586	7007 33 3		264
RBV 160 S FT	6001/ St / FT	5995609	7007 33 4		264
RBV 305 F FS	501/ St / FS	5711469	7007 20 0		229
RBV 305 S FS	501/ St / FS	5711414	7007 17 0		229
RBV 310 F FS	1001/ St / FS	5711476	7007 20 4		229
RBV 310 S FS	1001/ St / FS	5711421	7007 17 4		229
RBV 315 F FS	1501/ St / FS	5711483	7007 20 8		229
RBV 315 S FS	1501/ St / FS	5711438	7007 17 8		229
RBV 320 F FS	2001/ St / FS	5711513	7007 21 2		229
RBV 320 S FS	2001/ St / FS	5711445	7007 18 2		229
RBV 330 F FS	3001/ St / FS	5711520	7007 21 6		229
RBV 330 S FS	3001/ St / FS	5711452	7007 18 6		229
RBV 605 F FS	501/ St / FS	5047438	7007 05 1		245
RBV 605 F FT	501/ St / FT	5863281	7007 05 2		245
RBV 605 S FS	501/ St / FS	5047315	7007 00 1		245
RBV 605 S FT	501/ St / FT	5863335	7007 00 2		245
RBV 610 F FS	1001/ St / FS	5047445	7007 05 5		245
RBV 610 F FT	1001/ St / FT	5476818	7007 05 6		245
RBV 610 F VA4301	1001/ V2A	5688563	7007 15 5		424
RBV 610 F VA4571	1001/ V4A	5886457	7006 75 0		469
RBV 610 S FS	1001/ St / FS	5047322	7007 00 5		245
RBV 610 S FT	1001/ St / FT	5703730	7007 00 6		245
RBV 610 S VA4301	1001/ V2A	5688556	7007 10 5		424
RBV 610 S VA4571	1001/ V4A	5886570	7006 72 0		469
RBV 615 F FS	1501/ St / FS	5047452	7007 05 9		245
RBV 615 F FT	1501/ St / FT	5811022	7007 06 0		245
RBV 615 F VA4301	1501/ V2A	5995654	7007 15 6		424
RBV 615 F VA4571	1501/ V4A	5995661	7006 75 2		469
RBV 615 S FS	1501/ St / FS	5047339	7007 00 9		245
RBV 615 S FT	1501/ St / FT	5811015	7007 01 0		245
RBV 615 S VA4301	1501/ V2A	5995678	7007 10 7		424
RBV 615 S VA4571	1501/ V4A	5995685	7006 72 2		469
RBV 620 F FS	2001/ St / FS	5047469	7007 06 3		245
RBV 620 F FT	2001/ St / FT	5703785	7007 06 4		245
RBV 620 F VA4301	2001/ V2A	5886112	7007 15 7		424
RBV 620 F VA4571	2001/ V4A	5886471	7006 75 4		469
RBV 620 S FS	2001/ St / FS	5047346	7007 01 3		245
RBV 620 S FT	2001/ St / FT	5703747	7007 01 4		245
RBV 620 S VA4301	2001/ V2A	5886181	7007 10 9		424
RBV 620 S VA4571	2001/ V4A	5886587	7006 72 4		469
RBV 630 F FS	3001/ St / FS	5047490	7007 06 7		245
RBV 630 F FT	3001/ St / FT	5863298	7007 06 8		245
RBV 630 F VA4301	3001/ V2A	5886129	7007 15 9		424
RBV 630 F VA4571	3001/ V4A	5886488	7006 75 8		469
RBV 630 S FS	3001/ St / FS	5047377	7007 01 7		245
RBV 630 S FT	3001/ St / FT	5863342	7007 01 8		245
RBV 630 S VA4301	3001/ V2A	5886198	7007 11 3		424
RBV 630 S VA4571	3001/ V4A	5886594	7006 72 8		469
RBV 640 F FS	4001/ St / FS	5047506	7007 07 1		245
RBV 640 F FT	4001/ St / FT	5863304	7007 07 2		245

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
RBV 640 F VA4301	400 1/ V2A	5886136	7007 16 1		424
RBV 640 F VA4571	400 1/ V4A	5886501	7006 76 2		469
RBV 640 S FS	400 1/ St / FS	5047384	7007 02 1		245
RBV 640 S FT	400 1/ St / FT	5863380	7007 02 2		245
RBV 640 S VA4301	400 1/ V2A	5886204	7007 11 7		424
RBV 640 S VA4571	400 1/ V4A	5886600	7006 73 2		469
RBV 650 F FS	500 1/ St / FS	5047513	7007 07 5		245
RBV 650 F FT	500 1/ St / FT	5863311	7007 07 6		245
RBV 650 F VA4301	500 1/ V2A	5886143	7007 16 3		424
RBV 650 F VA4571	500 1/ V4A	5886532	7006 76 6		469
RBV 650 S FS	500 1/ St / FS	5047391	7007 02 5		245
RBV 650 S FT	500 1/ St / FT	5863397	7007 02 6		245
RBV 650 S VA4301	500 1/ V2A	5886235	7007 11 9		424
RBV 650 S VA4571	500 1/ V4A	5886617	7006 73 6		469
RBV 660 F FS	600 1/ St / FS	5047520	7007 07 9		245
RBV 660 F FT	600 1/ St / FT	5863328	7007 08 0		245
RBV 660 F VA4301	600 1/ V2A	5886174	7007 16 5		424
RBV 660 F VA4571	600 1/ V4A	5886549	7006 77 0		469
RBV 660 S FS	600 1/ St / FS	5047407	7007 02 9		245
RBV 660 S FT	600 1/ St / FT	5863403	7007 03 0		245
RBV 660 S VA4301	600 1/ V2A	5886242	7007 12 1		424
RBV 660 S VA4571	600 1/ V4A	5886624	7006 74 0		469
RBV 810 F FS	100 1/ St / FS	5711636	7007 27 0		254
RBV 810 F FT	100 1/ St / FT	5863410	7007 27 1		254
RBV 810 S FS	100 1/ St / FS	5711537	7007 23 0		254
RBV 810 S FT	100 1/ St / FT	5863502	7007 23 1		254
RBV 815 F FS	150 1/ St / FS	5995715	7007 27 2		254
RBV 815 F FT	150 1/ St / FT	5995722	7007 27 3		254
RBV 815 S FS	150 1/ St / FS	5995692	7007 23 2		254
RBV 815 S FT	150 1/ St / FT	5995708	7007 23 3		254
RBV 820 F FS	200 1/ St / FS	5711643	7007 27 4		254
RBV 820 F FT	200 1/ St / FT	5863427	7007 27 5		254
RBV 820 S FS	200 1/ St / FS	5711544	7007 23 4		254
RBV 820 S FT	200 1/ St / FT	5863519	7007 23 5		254
RBV 830 F FS	300 1/ St / FS	5711650	7007 27 8		254
RBV 830 F FT	300 1/ St / FT	5863434	7007 27 9		254
RBV 830 S FS	300 1/ St / FS	5711575	7007 23 8		254
RBV 830 S FT	300 1/ St / FT	5863526	7007 23 9		254
RBV 840 F FS	400 1/ St / FS	5711667	7007 28 2		254
RBV 840 F FT	400 1/ St / FT	5863441	7007 28 3		254
RBV 840 S FS	400 1/ St / FS	5711582	7007 24 2		254
RBV 840 S FT	400 1/ St / FT	5863564	7007 24 3		254
RBV 850 F FS	500 1/ St / FS	5711698	7007 28 6		254
RBV 850 F FT	500 1/ St / FT	5863458	7007 28 7		254
RBV 850 S FS	500 1/ St / FS	5711599	7007 24 6		254
RBV 850 S FT	500 1/ St / FT	5863571	7007 24 7		254
RBV 860 F FS	600 1/ St / FS	5711704	7007 29 0		254
RBV 860 F FT	600 1/ St / FT	5863465	7007 29 1		254
RBV 860 S FS	600 1/ St / FS	5711605	7007 25 0		254
RBV 860 S FT	600 1/ St / FT	5863588	7007 25 1		254
REV 110 DD	110/ ST / DD	6067817	6069 33 9		261
REV 110 FS	110/ ST / FS	6066438	6067 99 9		261
REV 35 FS	35/ ST / FS	6066254	6067 95 6		228
REV 60 DD	60/ ST / DD	6337033	6069 41 0		241
REV 60 FS	60/ ST / FS	6066315	6067 97 2		241
REV 60 VA4301	60/ V2A	6066490	6068 02 2		422
REV 60 VA4571	60/ V4A	5021483	6068 05 4		467
REV 85 DD	85/ ST / DD	6067756	6069 32 0		251
REV 85 FS	85/ ST / FS	6066377	6067 98 0		251
RGBEV 110 FS	100/ ST / FS	6217274	7005 62 8		265
RGBEV 110 FT	100/ ST / FT	6228799	7077 10 6		265
RGBEV 120 FS	200/ ST / FS	6217335	7005 64 4		265
RGBEV 120 FT	200/ ST / FT	6228850	7077 20 3		265
RGBEV 130 FS	300/ ST / FS	6217397	7005 66 0		265
RGBEV 130 FT	300/ ST / FT	6228911	7077 30 0		265
RGBEV 140 FS	400/ ST / FS	6217458	7005 68 7		265
RGBEV 140 FT	400/ ST / FT	6228973	7077 40 8		265
RGBEV 150 FS	500/ ST / FS	6217519	7005 70 9		265
RGBEV 150 FT	500/ ST / FT	6229031	7077 50 5		265
RGBEV 160 FS	600/ St / FS	5995906	7005 72 3		265
RGBEV 160 FT	600/ St / FT	5778912	7077 97 2		265
RGBEV 305 FS	50/ ST / FS	6216314	7005 00 8		230
RGBEV 310 FS	100/ ST / FS	6216376	7005 02 4		230
RGBEV 315 FS	150/ ST / FS	6947416	7005 01 6		230
RGBEV 320 FS	200/ ST / FS	6216437	7005 04 0		230
RGBEV 330 FS	300/ ST / FS	6216499	7005 06 7		230
RGBEV 610 FS	100/ ST / FS	6216550	7005 32 6		246
RGBEV 610 FT	100/ ST / FT	6228072	7075 10 3		246
RGBEV 615 FS	150/ ST / FS	6500239	7005 33 4		246
RGBEV 615 FT	150/ ST / FT	6511877	7075 15 4		246
RGBEV 620 FS	200/ ST / FS	6216611	7005 34 2		246
RGBEV 620 FT	200/ ST / FT	6228133	7075 20 0		246
RGBEV 630 FS	300/ ST / FS	6216673	7005 36 9		246
RGBEV 630 FT	300/ ST / FT	6228195	7075 30 8		246
RGBEV 640 FS	400/ ST / FS	6216734	7005 38 5		246
RGBEV 640 FT	400/ ST / FT	6228256	7075 40 5		246
RGBEV 650 FS	500/ ST / FS	6216796	7005 40 7		246
RGBEV 650 FT	500/ ST / FT	6228317	7075 50 2		246
RGBEV 660 FS	600/ ST / FS	6216857	7005 42 3		246
RGBEV 660 FT	600/ ST / FT	6228379	7075 59 6		246
RGBEV 810 FS	100/ ST / FS	6216918	7005 46 6		255
RGBEV 810 FT	100/ ST / FT	6228430	7076 09 6		255
RGBEV 820 FS	200/ ST / FS	6216970	7005 48 2		255
RGBEV 820 FT	200/ ST / FT	6228492	7076 20 7		255
RGBEV 830 FS	300/ ST / FS	6217038	7005 50 4		255
RGBEV 830 FT	300/ ST / FT	6228553	7076 30 4		255
RGBEV 840 FS	400/ ST / FS	6217090	7005 52 0		255
RGBEV 840 FT	400/ ST / FT	6228614	7076 40 1		255
RGBEV 850 FS	500/ ST / FS	6217151	7005 54 7		255
RGBEV 850 FT	500/ ST / FT	6228676	7076 50 9		255
RGBEV 860 FS	600/ ST / FS	6217212	7005 56 3		255
RGBEV 860 FT	600/ ST / FT	6228737	7076 60 6		255
RGBV 110 FS	100/ ST / FS	6218592	7006 62 4		265
RGBV 110 FT	100/ ST / FT	6230112	7081 10 3		265
RGBV 120 FS	200/ ST / FS	6218653	7006 64 0		265
RGBV 120 FT	200/ ST / FT	6230174	7081 20 0		265
RGBV 130 FS	300/ ST / FS	6218714	7006 66 7		265
RGBV 130 FT	300/ ST / FT	6230235	7081 30 8		265
RGBV 140 FS	400/ ST / FS	6218776	7006 68 3		265
RGBV 140 FT	400/ ST / FT	6230297	7081 40 5		265
RGBV 150 FS	500/ ST / FS	6218837	7006 70 5		265
RGBV 150 FT	500/ ST / FT	6230358	7081 50 2		265
RGBV 160 FS	600/ St / FS	5995869	7006 71 7		265
RGBV 160 FT	600/ St / FT	5995883	7081 55 5		265
RGBV 610 FS	100/ ST / FS	6217878	7006 32 2		245
RGBV 610 FT	100/ ST / FT	6229390	7079 10 9		245
RGBV 610 VA4301	100/ V2A	6258499	7138 11 3		425
RGBV 615 FS	150/ ST / FS	6500352	7006 33 0		245
RGBV 615 FT	150/ ST / FT	6984985	7079 14 1		245
RGBV 620 FS	200/ ST / FS	6217939	7006 34 9		245
RGBV 620 FT	200/ ST / FT	6229451	7079 20 6		245
RGBV 620 VA4301	200/ V2A	6258550	7138 12 1		425
RGBV 630 FS	300/ ST / FS	6217991	7006 36 5		245
RGBV 630 FT	300/ ST / FT	6229512	7079 30 3		245
RGBV 630 VA4301	300/ V2A	6258611	7138 14 8		425
RGBV 640 FS	400/ ST / FS	6218059	7006 38 1		245
RGBV 640 FT	400/ ST / FT	6229574	7079 40 0		245
RGBV 640 VA4301	400/ V2A	6258673	7138 15 6		425
RGBV 645 FT	450/ St / FT	6343638	7079 45 1		245
RGBV 650 FS	500/ ST / FS	6218110	7006 41 1		245
RGBV 650 FT	500/ ST / FT	6229635	7079 50 8		245
RGBV 650 VA4301	500/ V2A	6258734	7138 16 4		425
RGBV 660 FS	600/ ST / FS	6218172	7006 44 6		245
RGBV 660 FT	600/ ST / FT	6229697	7079 60 5		245
RGBV 660 VA4301	600/ V2A	6258796	7138 17 2		425
RGBV 675 FT	750/ St / FT	5920076	7079 60 7		245
RGBV 690 FT	900/ St / FT	5920083	7079 60 9		245

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
RGBV 810 FS	100/ ST / FS	6218233	7006 46 2		255
RGBV 810 FT	100/ ST / FT	6229758	7080 10 7		255
RGBV 820 FS	200/ ST / FS	6218295	7006 48 9		255
RGBV 820 FT	200/ ST / FT	6229819	7080 20 4		255
RGBV 830 FS	300/ ST / FS	6218356	7006 50 0		255
RGBV 830 FT	300/ ST / FT	6229871	7080 30 1		255
RGBV 840 FS	400/ ST / FS	6218417	7006 52 7		255
RGBV 840 FT	400/ ST / FT	6229932	7080 40 9		255
RGBV 850 FS	500/ ST / FS	6218479	7006 54 3		255
RGBV 850 FT	500/ ST / FT	6229994	7080 50 6		255
RGBV 860 FS	600/ ST / FS	6218530	7006 57 8		255
RGBV 860 FT	600/ ST / FT	6230051	7080 60 3		255
RGV 110 FS	110/ ST / FS	6230655	7082 03 7		261
RGV 110 FT	110/ ST / FT	6230952	7082 43 6		261
RGV 35 FS	35/ ST / FS	6230471	7082 00 2		228
RGV 60 FS	60/ ST / FS	6230532	7082 01 0		241
RGV 60 FT	60/ ST / FT	6230778	7082 22 3		241
RGV 60 VA4301	60/ V2A	6230839	7082 25 8		422
RGV 60 VA4571	60/ V4A	6080113	7082 26 5		467
RGV 85 FS	85/ ST / FS	6230594	7082 02 9		251
RGV 85 FT	85/ ST / FT	6230891	7082 32 0		251
RKM 110 FS	100/ St / FS	5928041	7027 16 1		264
RKM 110 FT	100/ St / FT	5928157	7027 18 1		264
RKM 115 FS	150/ St / FS	5928058	7027 16 3		264
RKM 115 FT	110/ St / FT	5928164	7027 18 3		264
RKM 120 FS	200/ St / FS	5928065	7027 16 5		264
RKM 120 FT	200/ St / FT	5928171	7027 18 5		264
RKM 130 FS	300/ St / FS	5928072	7027 16 7		264
RKM 130 FT	300/ St / FT	5928188	7027 18 7		264
RKM 140 FS	400/ St / FS	5928089	7027 16 9		264
RKM 140 FT	400/ St / FT	5928195	7027 18 9		264
RKM 150 FS	500/ St / FS	5928096	7027 17 1		264
RKM 150 FT	500/ St / FT	5928201	7027 19 1		264
RKM 160 FS	600/ St / FS	5928102	7027 17 3		264
RKM 160 FT	600/ St / FT	5928218	7027 19 3		264
RKM 310 FS	100/ St / FS	5929161	7027 24 1		229
RKM 320 FS	200/ St / FS	5929178	7027 24 3		229
RKM 330 FS	300/ St / FS	5929185	7027 24 5		229
RKM 610 FS	100/ St / FS	5927389	7027 00 1		244
RKM 610 FSK RW	100 Pure white/ St / FSK	5987000	6042 82 0		244
RKM 610 FT	100/ St / FT	5927471	7027 02 1		244
RKM 610 VA4301	100/ V2A	5927594	7027 04 1		424
RKM 610 VA4571	100/ V4A	5927693	7027 06 1		469
RKM 615 FS	150/ St / FS	5927396	7027 00 3		244
RKM 615 FT	150/ St / FT	5927488	7027 02 3		244
RKM 615 VA4301	150/ V2A	5927600	7027 04 3		424
RKM 615 VA4571	150/ V4A	5927709	7027 06 3		469
RKM 620 FS	200/ St / FS	5927402	7027 00 5		244
RKM 620 FSK RW	200 Pure white/ St / FSK	5987017	6042 82 4		244
RKM 620 FT	200/ St / FT	5927518	7027 02 5		244
RKM 620 VA4301	200/ V2A	5927648	7027 04 5		424
RKM 620 VA4571	200/ V4A	5927716	7027 06 5		469
RKM 630 FS	300/ St / FS	5927419	7027 00 7		244
RKM 630 FSK RW	300 Pure white/ St / FSK	5987024	6042 82 6		244
RKM 630 FT	300/ St / FT	5927525	7027 02 7		244
RKM 630 VA4301	300/ V2A	5927655	7027 04 7		424
RKM 630 VA4571	300/ V4A	5927723	7027 06 7		469
RKM 640 FS	400/ St / FS	5927426	7027 00 9		244
RKM 640 FSK RW	400 Pure white/ St / FSK	5987031	6042 82 8		244
RKM 640 FT	400/ St / FT	5927532	7027 02 9		244
RKM 640 VA4301	400/ V2A	5927662	7027 04 9		424
RKM 640 VA4571	400/ V4A	5927730	7027 06 9		469
RKM 650 FS	500/ St / FS	5927457	7027 01 1		244
RKM 650 FSK RW	500 Pure white/ St / FSK	5987048	6042 83 0		244
RKM 650 FT	500/ St / FT	5927549	7027 03 1		244
RKM 650 VA4301	500/ V2A	5927679	7027 05 1		424
RKM 650 VA4571	500/ V4A	5927747	7027 07 1		469
RKM 660 FS	600/ St / FS	5927464	7027 01 3		244
RKM 660 FSK RW	600 Pure white/ St / FSK	5987055	6042 83 2		244
RKM 660 FT	600/ St / FT	5927587	7027 03 3		244
RKM 660 VA4301	600/ V2A	5927686	7027 05 3		424
RKM 660 VA4571	600/ V4A	5927754	7027 07 3		469
RKM 810 FS	100/ St / FS	5927761	7027 08 1		254
RKM 810 FT	100/ St / FT	5927839	7027 10 1		254
RKM 815 FS	150/ St / FS	5927778	7027 08 3		254
RKM 815 FT	150/ St / FT	5927846	7027 10 3		254
RKM 820 FS	200/ St / FS	5927785	7027 08 5		254
RKM 820 FT	200/ St / FT	5927853	7027 10 5		254
RKM 830 FS	300/ St / FS	5927792	7027 08 7		254
RKM 830 FT	300/ St / FT	5927860	7027 10 7		254
RKM 840 FS	400/ St / FS	5927808	7027 08 9		254
RKM 840 FT	400/ St / FT	5927877	7027 10 9		254
RKM 850 FS	500/ St / FS	5927815	7027 09 1		254
RKM 850 FT	500/ St / FT	5927884	7027 11 1		254
RKM 860 FS	600/ St / FS	5927822	7027 09 3		254
RKM 860 FT	600/ St / FT	5927891	7027 11 3		254
				/m	
RKS 305 FS	500,75/ ST / FS	6055937	6047 40 8		226
RKS 605 FS	500,75/ ST / FS	6388639	6055 88 5		232
RKSM 310 FS	1000,75/ St / FS	5390848	6047 41 7		226
RKSM 320 FS	2000,75/ St / FS	5390855	6047 43 3		226
RKSM 330 FS	3000,75/ St / FS	5390862	6047 46 0		226
RKSM 610 FS	1000,75/ St / FS	5390879	6047 61 1		231
RKSM 610 FSK RW	1000,75/ ST / FSK	5391258	6048 25 1		232
RKSM 610 FT	1000,75/ St / FT	5903895	6047 61 2		231
RKSM 610 VA4301	1000,75/ V2A	5706083	6047 61 3		418
RKSM 610 VA4571	1000,75/ V4A	5706113	6047 61 4		464
RKSM 615 FS	1500,75/ St / FS	5391197	6047 63 0		231
RKSM 615 FT	1500,75/ St / FT	5903901	6047 63 1		231
RKSM 615 VA4301	1500,75/ V2A	5706120	6047 63 2		418
RKSM 615 VA4571	1500,75/ V4A	5706137	6047 63 3		464
RKSM 620 FS	2000,75/ St / FS	5391203	6047 63 8		231
RKSM 620 FSK RW	2000,75/ ST / FSK	5391265	6048 25 5		232
RKSM 620 FT	2000,75/ St / FT	5903932	6047 63 9		231
RKSM 620 VA4301	2000,75/ V2A	5706144	6047 64 0		418

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
RKSM 620 VA4571	2000,75/ V4A	5706175	6047 64 1		464
RKSM 630 FS	3000,75/ St / FS	5391210	6047 65 4		231
RKSM 630 FSK RW	3000,75/ ST / FSK	5391272	6048 25 7		232
RKSM 630 FT	3000,75/ St / FT	5903949	6047 65 5		231
RKSM 630 VA4301	3000,75/ V2A	5706182	6047 65 6		418
RKSM 630 VA4571	3000,75/ V4A	5706199	6047 65 7		464
RKSM 640 FS	4000,9/ St / FS	5391227	6047 68 9		231
RKSM 640 FSK RW	4000,9/ ST / FSK	5391289	6048 25 9		232
RKSM 640 FT	4000,9/ St / FT	5903956	6047 69 0		231
RKSM 640 VA4301	4000,9/ V2A	5706205	6047 69 1		418
RKSM 640 VA4571	4000,9/ V4A	5706236	6047 69 2		464
RKSM 650 FS	5000,9/ St / FS	5391234	6047 71 9		231
RKSM 650 FSK RW	5000,9/ ST / FSK	5391296	6048 26 1		232
RKSM 650 FT	5000,9/ St / FT	5903963	6047 72 0		231
RKSM 650 VA4301	5000,9/ V2A	5706243	6047 72 1		418
RKSM 650 VA4571	5000,9/ V4A	5706250	6047 72 2		464
RKSM 660 FS	6000,9/ St / FS	5391241	6047 73 5		231
RKSM 660 FSK RW	6000,9/ ST / FSK	5391302	6048 26 3		232
RKSM 660 FT	6000,9/ St / FT	5903994	6047 73 6		231
RKSM 660 VA4301	6000,9/ V2A	5706267	6047 73 7		418
RKSM 660 VA4571	6000,9/ V4A	5706298	6047 73 8		464
				/pc.	
RLVK 35 FS	35/ ST / FS	6065356	6067 08 5		227
RLVK 60 FS	60/ St / FS	6065417	6067 09 3		240
RLVK 60 FT	60/ ST / FT	6065899	6067 60 3		240
RLVK 60 VA4301	60/ V2A	6066018	6067 65 4		422
RLVK 60 VA4571	60/ V4A	6955459	6067 67 5		467
RLVL 110 FS	110/ ST / FS	6065653	6067 13 1		261
RLVL 110 FT	110/ ST / FT	6066193	6067 91 3		261
RLVL 85 FS	85/ ST / FS	6065592	6067 12 3		251
RLVL 85 FT	85/ ST / FT	6066131	6067 81 6		251
RTM 110 FS	100/ St / FS	5882336	6042 01 0		263
RTM 110 FT	100/ St / FT	5882428	6042 03 0		263
RTM 115 FS	150/ St / FS	5896104	6042 01 1		263
RTM 115 FT	150/ St / FT	5896135	6042 03 2		263
RTM 120 FS	200/ St / FS	5882343	6042 01 2		263
RTM 120 FT	200/ St / FT	5882466	6042 03 4		263
RTM 130 FS	300/ St / FS	5882350	6042 01 4		263
RTM 130 FT	300/ St / FT	5882473	6042 03 6		263
RTM 140 FS	400/ St / FS	5882367	6042 01 8		263
RTM 140 FT	400/ St / FT	5882480	6042 03 8		263
RTM 150 FS	500/ St / FS	5882404	6042 02 0		263
RTM 150 FT	500/ St / FT	5882527	6042 04 0		263
RTM 160 FS	600/ St / FS	5882411	6042 02 2		263
RTM 160 FT	600/ St / FT	5882534	6042 04 2		263
RTM 310 FS	100/ St / FS	5915386	6041 03 0		229
RTM 320 FS	200/ St / FS	5915423	6041 03 2		229
RTM 330 FS	300/ St / FS	5915713	6041 03 4		229
RTM 610 FS	100/ St / FS	5878995	6041 32 0		244

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
RTM 610 FSK RW	100 Pure white/ St / FSK	5986942	6042 80 0		244
RTM 610 FT	100/ St / FT	5879121	6041 34 0		244
RTM 610 VA4301	100/ V2A	5879282	6041 36 0		424
RTM 610 VA4571	100/ V4A	5879411	6041 38 0		469
RTM 615 FS	150/ St / FS	5879008	6041 32 2		244
RTM 615 FT	150/ St / FT	5879169	6041 34 2		244
RTM 615 VA4301	150/ V2A	5879299	6041 36 3		424
RTM 615 VA4571	150/ V4A	5879428	6041 38 2		469
RTM 620 FS	200/ St / FS	5879046	6041 32 4		244
RTM 620 FSK RW	200 Pure white/ St / FSK	5986959	6042 80 4		244
RTM 620 FT	200/ St / FT	5879176	6041 34 4		244
RTM 620 VA4301	200/ V2A	5879305	6041 36 5		424
RTM 620 VA4571	200/ V4A	5879466	6041 38 4		469
RTM 630 FS	300/ St / FS	5879053	6041 32 6		244
RTM 630 FSK RW	300 Pure white/ St / FSK	5986966	6042 80 6		244
RTM 630 FT	300/ St / FT	5879183	6041 34 8		244
RTM 630 VA4301	300/ V2A	5879343	6041 36 7		424
RTM 630 VA4571	300/ V4A	5879473	6041 38 6		469
RTM 640 FS	400/ St / FS	5879060	6041 32 8		244
RTM 640 FSK RW	400 Pure white/ St / FSK	5986973	6042 80 8		244
RTM 640 FT	400/ St / FT	5879220	6041 35 0		244
RTM 640 VA4301	400/ V2A	5879350	6041 36 9		424
RTM 640 VA4571	400/ V4A	5879480	6041 38 8		469
RTM 650 FS	500/ St / FS	5879107	6041 33 0		244
RTM 650 FSK RW	500 Pure white/ St / FSK	5986980	6042 81 0		244
RTM 650 FT	500/ St / FT	5879237	6041 35 2		244
RTM 650 VA4301	500/ V2A	5879367	6041 37 1		424
RTM 650 VA4571	500/ V4A	5879527	6041 39 0		469
RTM 660 FS	600/ St / FS	5879114	6041 33 2		244
RTM 660 FSK RW	600 Pure white/ St / FSK	5986997	6042 81 2		244
RTM 660 FT	600/ St / FT	5879244	6041 35 4		244
RTM 660 VA4301	600/ V2A	5879404	6041 37 3		424
RTM 660 VA4571	600/ V4A	5879534	6041 39 2		469
RTM 810 FS	100/ St / FS	5881278	6041 66 0		253
RTM 810 FT	100/ St / FT	5881414	6041 68 0		253
RTM 815 FS	150/ St / FS	5895923	6041 66 1		253
RTM 815 FT	150/ St / FT	5895930	6041 68 1		253
RTM 820 FS	200/ St / FS	5881360	6041 66 2		253
RTM 820 FT	200/ St / FT	5881421	6041 68 2		253
RTM 830 FS	300/ St / FS	5881377	6041 66 4		253
RTM 830 FT	300/ St / FT	5881438	6041 68 4		253
RTM 840 FS	400/ St / FS	5881384	6041 66 6		253
RTM 840 FT	400/ St / FT	5881445	6041 68 6		253
RTM 850 FS	500/ St / FS	5881391	6041 66 8		253
RTM 850 FT	500/ St / FT	5881452	6041 68 8		253
RTM 860 FS	600/ St / FS	5881407	6041 67 0		253
RTM 860 FT	600/ St / FT	5881469	6041 69 0		253
RV 607 FS	6075/ St / FS	6897070	6068 15 0		379
RVS 110 10 DD	100 110/ ST / DD	5079088	6068 78 9		279
RVS 110 20 DD	200 110/ ST / DD	5079118	6068 79 1		279
RVS 110 30 DD	300 110/ ST / DD	5079125	6068 79 3		279
RVS 110 40 DD	400 110/ ST / DD	5079132	6068 79 5		279

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
RVS 110 50 DD	500 110/ ST / DD	5079149	6068 79 7		279
RVS 110 55 DD	550 110/ ST / DD	5079170	6068 79 9		279
RVS 110 60 DD	600 110/ St / DD	5995494	6068 80 0		279
RVS 60 10 DD	100 60/ ST / DD	5079002	6068 77 1		279
RVS 60 20 DD	200 60/ ST / DD	5079019	6068 77 3		279
RVS 60 30 DD	300 60/ ST / DD	5079026	6068 77 5		279
RVS 60 40 DD	400 60/ ST / DD	5079057	6068 77 7		279
RVS 60 50 DD	500 60/ ST / DD	5079064	6068 77 9		279
RVS 60 60 DD	600 60/ ST / DD	5079071	6068 78 1		279
RWEB 110 DD	110 100/ ST / DD	6241033	7107 45 5		261
RWEB 110 FS	110 100/ ST / FS	6242771	7111 09 6		261
RWEB 120 DD	110 200/ ST / DD	6241095	7107 47 1		261
RWEB 120 FS	110 200/ ST / FS	6242894	7111 20 7		261
RWEB 130 DD	110 300/ ST / DD	6241156	7107 50 1		261
RWEB 130 FS	110 300/ ST / FS	6243013	7111 30 4		261
RWEB 140 DD	110 400/ ST / DD	6241217	7107 53 6		261
RWEB 140 FS	110 400/ ST / FS	6243136	7111 42 8		261
RWEB 150 DD	110 500/ ST / DD	6241279	7107 55 2		261
RWEB 150 FS	110 500/ ST / FS	6243198	7111 50 9		261
RWEB 160 DD	110 600/ St / DD	5995524	7107 56 2		261
RWEB 160 FS	110 600/ St / FS	5995517	7111 74 0		261
RWEB 305 FS	50/ ST / FS	6241392	7108 05 2		228
RWEB 310 FS	100/ ST / FS	6241453	7108 10 9		228
RWEB 320 FS	200/ ST / FS	6241514	7108 20 6		228
RWEB 330 FS	300/ ST / FS	6241576	7108 31 1		228
RWEB 605 DD	60 50/ St / DD	6988525	7107 14 5		241
RWEB 610 DD	60 100/ St / DD	6982820	7106 10 6		241
RWEB 610 FS	60 100/ ST / FS	6241637	7109 10 5		241
RWEB 610 VA4301	60 100/ V2A	6242054	7109 81 4		423
RWEB 615 DD	60 150/ St / DD	6308170	7106 11 0		241
RWEB 615 FS	60 150/ ST / FS	6241699	7109 15 6		241
RWEB 620 DD	60 200/ St / DD	6982769	7106 11 4		241
RWEB 620 FS	60 200/ ST / FS	6241750	7109 20 2		241
RWEB 620 VA4301	60 200/ V2A	6242115	7109 83 0		423
RWEB 630 DD	60 300/ St / DD	6982707	7106 11 8		241
RWEB 630 FS	60 300/ ST / FS	6241811	7109 29 6		241
RWEB 630 VA4301	60 300/ V2A	6242177	7109 85 7		423
RWEB 640 DD	60 400/ St / DD	6024612	7106 12 2		241
RWEB 640 FS	60 400/ ST / FS	6241873	7109 40 7		241
RWEB 640 VA4301	60 400/ V2A	6242238	7109 87 3		423
RWEB 645 DD	60 450/ St / DD	6083930	7106 12 4		241
RWEB 650 DD	60 500/ St / DD	6024735	7106 12 6		241
RWEB 650 FS	60 500/ ST / FS	6241934	7109 50 4		241
RWEB 650 VA4301	60 500/ V2A	6242290	7109 90 3		423
RWEB 660 DD	60 600/ St / DD	6034697	7106 13 0		241
RWEB 660 FS	60 600/ ST / FS	6241996	7109 60 1		241
RWEB 660 VA4301	60 600/ V2A	6242351	7109 93 8		423
RWEB 675 DD	60 750/ St / DD	6083947	7106 13 6		241
RWEB 810 DD	100/ ST / DD	6240678	7107 31 5		251
RWEB 810 FS	100/ ST / FS	6242412	7110 10 3		251
RWEB 820 DD	200/ ST / DD	6240739	7107 33 1		251
RWEB 820 FS	200/ ST / FS	6242474	7110 20 0		251
RWEB 830 DD	300/ ST / DD	6240791	7107 36 6		251
RWEB 830 FS	300/ ST / FS	6242535	7110 30 8		251
RWEB 840 DD	400/ ST / DD	6240852	7107 38 2		251
RWEB 840 FS	400/ ST / FS	6242597	7110 40 5		251
RWEB 850 DD	500/ ST / DD	6240913	7107 40 4		251
RWEB 850 FS	500/ ST / FS	6242658	7110 50 2		251
RWEB 860 DD	600/ ST / DD	6240975	7107 42 0		251
RWEB 860 FS	600/ ST / FS	6242719	7110 61 8		251
RWVL 35 FS	35/ ST / FS	6065479	6067 10 7		228
RWVL 60 FS	60/ St / FS	6065530	6067 11 5		240
RWVL 60 FT	60/ ST / FT	6065950	6067 61 1		240
RWVL 60 VA4301	60/ V2A	6066070	6067 66 2		422
RWVL 60 VA4571	60/ V4A	6343157	6067 66 4		467
				/pair	
SA CPS 4 FT	/ St / FT	5439448	6007 49 6		353
				/pc.	
SA US5 FT SO	/ St / FT SO	5848912	7194 11 5		353
SA US7 FT SO	/ St / FT SO	5858201	7194 11 7		353
				/pair	
SAA CPS 4 FT	/ St / FT	5439479	6007 49 8		353
				/pc.	
SF 140 11 FT	/ ST / FT	6295814	6356 39 7		398
SH KAB 20 FS	20/ ST / FS	6649990	6015 42 5		295
SH KAB 25 FS	25/ ST / FS	6650057	6015 43 3		295
SH KAB-L 20 FS	/ St / FS	5984603	6015 43 9		295
SH KAB-L 25 FS	/ St / FS	5984610	6015 44 0		295
SH M10 FS	M10/ St / FS	6608539	6015 33 6		295
SH M10 FT	M10/ ST / FT	6951970	6015 33 8		295
SH M10 VA4401	M10/ V4A	6952038	6015 34 0		433
SH M10 VA4401	M10/ V4A	6952038	6015 34 0		476
SHU M12 DD	/ St / DD	5851868	6015 32 4		159
SHU M12 FS	/ St / FS	5851844	6015 32 2		159
SHU M12 VA4301	/ V2A	5851875	6015 32 6		404
SHU M12 VA4571	/ V4A	5851882	6015 32 8		456
				/pair	
SKH 110 OR	Pastel orange/ PE	5668015	6222 55 3		319
SKH 45 OR	Pastel orange/ PE	5667995	6222 50 2		308
SKH 60 OR	Pastel orange/ PE	5668008	6222 53 7		314
SKH 60 OR	Pastel orange/ PE	5668008	6222 53 7		350
SKH 60 OR	Pastel orange/ PE	5668008	6222 53 7		437
SKH 60 OR	Pastel orange/ PE	5668008	6222 53 7		447
SKH 60 OR	Pastel orange/ PE	5668008	6222 53 7		477
SKHW 110 OR	Pastel orange/ PE	5668022	6310 39 8		334
SKHW 110 OR	Pastel orange/ PE	5668022	6310 39 8		444
SKHW 110 OR	Pastel orange/ PE	5668022	6310 39 8		480
				/100 pc.	
SKS 10X110 G	M10 x 110 110/ ST / G	6348794	6418 24 4		158
SKS 10X110 G	M10 x 110 110/ ST / G	6348794	6418 24 4		377
SKS 10X120 F	M10 x 120 120/ St / F	5505631	3160 79 3		173
SKS 10X120 F	M10 x 120 120/ St / F	5505631	3160 79 3		213
SKS 10X25 F	M10 x 25 25/ St / F	5257233	3160 73 4		213
SKS 10X30 F	M10 x 30 30/ St / F	5257295	3160 74 2		213
SKS 10X40 F	M10 x 40 40/ St / F	5257356	3160 75 0		213
SKS 10X60 F	M10 x 60 60/ St / F	6202157	6408 51 6		167
SKS 10X60 F	M10 x 60 60/ St / F	6202157	6408 51 6		213
SKS 10X80 F	M10 x 80 80/ St / F	6437474	6418 25 0		170
SKS 10X80 F	M10 x 80 80/ St / F	6437474	6418 25 0		173
SKS 10X80 F	M10 x 80 80/ St / F	6437474	6418 25 0		213
SKS 10X80 VA4401	M10 x 80/ V4A	6822133	6418 24 8		406
SKS 10X80 VA4401	M10 x 80/ V4A	6822133	6418 24 8		408

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/100 pc.	
SKS 10X80 VA4401	M10 x 80/ V4A	6822133	6418 24 8		458
SKS 10X80 VA4401	M10 x 80/ V4A	6822133	6418 24 8		460
SKS 10X90 F	M10 x 90 90/ St / F	6518470	6418 25 2		170
SKS 10X90 F	M10 x 90 90/ St / F	6518470	6418 25 2		173
SKS 10X90 F	M10 x 90 90/ St / F	6518470	6418 25 2		213
SKS 12X100 F	M12 x 100 100/ St / F	6204496	6418 29 5		177
SKS 12X100 F	M12 x 100 100/ St / F	6204496	6418 29 5		213
SKS 12X100VA4301	M12 x 100/ V2A	6204618	6418 36 8		214
SKS 12X100VA4301	M12 x 100/ V2A	6204618	6418 36 8		411
SKS 12X110 F	M12 x 110 110/ St / F	6204557	6418 31 7		177
SKS 12X110 F	M12 x 110 110/ St / F	6204557	6418 31 7		213
SKS 12X110VA4301	M12 x 110/ V2A	6204670	6418 37 6		214
SKS 12X110VA4301	M12 x 110/ V2A	6204670	6418 37 6		411
SKS 12X130 F	M12 x 130 130/ St / F	6479535	6408 47 8		177
SKS 12X130 F	M12 x 130 130/ St / F	6479535	6408 47 8		213
SKS 12X30 F	M12 x 30 30/ St / F	5258070	3163 09 1		213
SKS 12X40 F	M12 x 40 40/ St / F	5258131	3163 11 3		213
SKS 12X40 G F	M12 x 40 40/ ST / F	5317418	3164 02 0		197
SKS 12X60 F	M12 x 60 60/ St / F	5258254	3163 15 6		213
SKS 12X80 F	M12 x 80 80/ St / F	6204434	6418 28 7		177
SKS 12X80 F	M12 x 80 80/ St / F	6204434	6418 28 7		213
SKS 12X80 VA4301	M12 x 80/ V2A	6204373	6418 27 9		214
SKS 12X80 VA4301	M12 x 80/ V2A	6204373	6418 27 9		411
				/m	
SKS 610 FS	100 1,5/ St / FS	6060191	6056 10 5		239
SKS 610 FT	100 1,5/ ST / FT	6389957	6056 63 6		239
SKS 610 VA4301	100 1,5/ V2A	6120550	6056 73 5		420
SKS 610 VA4571	100 1,5/ V4A	6050048	6056 75 0		465
SKS 615 FS	150 1,5/ St / FS	6389711	6056 15 6		239
SKS 615 FT	150 1,5/ ST / FT	6390014	6056 64 4		239
SKS 620 FS	200 1,5/ St / FS	6060252	6056 20 2		239
SKS 620 FT	200 1,5/ ST / FT	6390076	6056 65 2		239
SKS 620 VA4301	200 1,5/ V2A	6120611	6056 73 7		420
SKS 620 VA4571	200 1,5/ V4A	6044887	6056 75 5		465
SKS 630 FS	300 1,5/ St / FS	6060313	6056 29 6		239
SKS 630 FT	300 1,5/ ST / FT	6390137	6056 67 9		239
SKS 630 VA4301	300 1,5/ V2A	6120673	6056 73 9		420
SKS 630 VA4571	300 1,5/ V4A	6050161	6056 75 7		465
SKS 640 FS	400 1,5/ St / FS	6060375	6056 40 7		239
SKS 640 FT	400 1,5/ ST / FT	6060559	6056 69 5		239
SKS 640 VA4301	400 1,5/ V2A	6120734	6056 74 2		420
SKS 640 VA4571	400 1,5/ V4A	6050284	6056 75 9		465
SKS 650 FS	500 1,5/ St / FS	6060436	6056 50 4		239
SKS 650 FT	500 1,5/ ST / FT	6060610	6056 71 7		239
SKS 650 VA4301	500 1,5/ V2A	6120796	6056 74 4		420
SKS 650 VA4571	500 1,5/ V4A	6050406	6056 76 1		465
SKS 660 FS	600 1,5/ St / FS	6060498	6056 60 1		239
SKS 660 FT	600 1,5/ ST / FT	6060672	6056 73 3		239
SKS 660 VA4301	600 1,5/ V2A	6120857	6056 74 6		420
SKS 660 VA4571	600 1,5/ V4A	6050529	6056 76 3		465
				/100 pc.	
SKS 6X12 F	M6 x 10 12/ ST / F	5255857	3156 49 4		213
SKS 6X20 F	M6 x 20 20/ ST / F	5255970	3156 51 6		213
SKS 6X30 F	M6 x 30 30/ ST / F	5256038	3156 52 4		213
SKS 8X16 F	M8 x 16 16/ ST / F	5256571	3158 62 4		213
SKS 8X20 F	M8 x 20 20/ ST / F	5256632	3158 63 2		213
SKS 8X30 F	M8 x 30 30/ ST / F	5256694	3158 64 0		213
				/pc.	
SKS LA620 FS	60 200/ St / FS	5848653	6069 71 1		372
SKS LA620 FT	60 200/ St / FT	5848660	6069 71 8		372
SKS LA630 FS	60 300/ St / FS	5848677	6069 72 5		372
SKS LA630 FT	60 300/ St / FT	5848684	6069 73 2		372
SKS LA640 FS	60 400/ St / FS	5848691	6069 73 9		372
SKS LA640 FT	60 400/ St / FT	5848707	6069 74 6		372
				/m	
SKSM 110 FS	100 1,5/ St / FS	5829560	6059 61 4		257
SKSM 110 FT	100 1,5/ St / FT	5829638	6059 63 1		257
SKSM 115 FS	150 1,5/ St / FS	5829577	6059 61 6		257
SKSM 115 FT	150 1,5/ St / FT	5829645	6059 63 3		257
SKSM 120 FS	200 1,5/ St / FS	5829584	6059 61 8		257
SKSM 120 FT	200 1,5/ St / FT	5829652	6059 63 5		257
SKSM 130 FS	300 1,5/ St / FS	5829591	6059 62 0		257
SKSM 130 FT	300 1,5/ St / FT	5829669	6059 63 7		257
SKSM 140 FS	400 1,5/ St / FS	5829607	6059 62 2		257
SKSM 140 FT	400 1,5/ St / FT	5829676	6059 63 9		257
SKSM 150 FS	500 1,5/ St / FS	5829614	6059 62 4		257
SKSM 150 FT	500 1,5/ St / FT	5829683	6059 64 1		257
SKSM 160 FS	600 1,5/ St / FS	5829621	6059 62 6		257
SKSM 160 FT	600 1,5/ St / FT	5829690	6059 64 3		257
SKSM 610 FS	100 1,5/ St / FS	5832485	6059 45 6		235
SKSM 610 FT	100 1,5/ St / FT	5832607	6059 47 3		235
SKSM 615 FS	150 1,5/ St / FS	5832492	6059 45 8		235
SKSM 615 FT	150 1,5/ St / FT	5832614	6059 47 5		235
SKSM 620 FS	200 1,5/ St / FS	5832508	6059 46 0		235
SKSM 620 FT	200 1,5/ St / FT	5832621	6059 47 7		235
SKSM 630 FS	300 1,5/ St / FS	5832546	6059 46 2		235
SKSM 630 FT	300 1,5/ St / FT	5832669	6059 47 9		235
SKSM 640 FS	400 1,5/ St / FS	5832553	6059 46 4		235
SKSM 640 FT	400 1,5/ St / FT	5832676	6059 48 1		235
SKSM 650 FS	500 1,5/ St / FS	5832560	6059 46 6		235
SKSM 650 FT	500 1,5/ St / FT	5832683	6059 48 3		235
SKSM 660 FS	600 1,5/ St / FS	5832591	6059 46 8		235
SKSM 660 FT	600 1,5/ St / FT	5832713	6059 48 5		235
SKSM 810 FS	100 1,5/ St / FS	5832966	6059 53 0		248
SKSM 810 FT	100 1,5/ St / FT	5833086	6059 54 9		248
SKSM 815 FS	150 1,5/ St / FS	5832973	6059 53 2		248
SKSM 815 FT	150 1,5/ St / FT	5833093	6059 55 1		248
SKSM 820 FS	200 1,5/ St / FS	5832980	6059 53 4		248
SKSM 820 FT	200 1,5/ St / FT	5833109	6059 55 3		248
SKSM 830 FS	300 1,5/ St / FS	5833024	6059 53 6		248
SKSM 830 FT	300 1,5/ St / FT	5833147	6059 55 5		248
SKSM 840 FS	400 1,5/ St / FS	5833031	6059 53 8		248
SKSM 840 FT	400 1,5/ St / FT	5833154	6059 55 7		248
SKSM 850 FS	500 1,5/ St / FS	5833048	6059 54 0		248
SKSM 850 FT	500 1,5/ St / FT	5833161	6059 55 9		248
SKSM 860 FS	600 1,5/ St / FS	5833079	6059 54 2		248
SKSM 860 FT	600 1,5/ St / FT	5833192	6059 56 1		248
SKSMU 110 FS	100 1,5/ St / FS	5833925	6059 83 6		259
SKSMU 110 FT	100 1,5/ St / FT	5834045	6059 85 3		259
SKSMU 115 FS	150 1,5/ St / FS	5833932	6059 83 8		259
SKSMU 115 FT	150 1,5/ St / FT	5834052	6059 85 5		259
SKSMU 120 FS	200 1,5/ St / FS	5833949	6059 84 0		259
SKSMU 120 FT	200 1,5/ St / FT	5834069	6059 85 7		259
SKSMU 130 FS	300 1,5/ St / FS	5833987	6059 84 2		259
SKSMU 130 FT	300 1,5/ St / FT	5834106	6059 85 9		259

Always indicate the item number when ordering.

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /m	Page
SKSMU 140 FS	400 1,5/ St / FS	5833994	6059 84 4		259
SKSMU 140 FT	400 1,5/ St / FT	5834113	6059 86 1		259
SKSMU 150 FS	500 1,5/ St / FS	5834007	6059 84 6		259
SKSMU 150 FT	500 1,5/ St / FT	5834120	6059 86 3		259
SKSMU 160 FS	600 1,5/ St / FS	5834038	6059 84 8		259
SKSMU 160 FT	600 1,5/ St / FT	5834151	6059 86 5		259
SKSMU 610 FS	100 1,5/ St / FS	5829843	6059 68 8		237
SKSMU 610 FT	100 1,5/ St / FT	5829911	6059 70 5		237
SKSMU 615 FS	150 1,5/ St / FS	5829850	6059 69 0		237
SKSMU 615 FT	150 1,5/ St / FT	5829928	6059 70 7		237
SKSMU 620 FS	200 1,5/ St / FS	5829867	6059 69 2		237
SKSMU 620 FT	200 1,5/ St / FT	5830634	6059 70 9		237
SKSMU 630 FS	300 1,5/ St / FS	5829874	6059 69 4		237
SKSMU 630 FT	300 1,5/ St / FT	5830641	6059 71 1		237
SKSMU 640 FS	400 1,5/ St / FS	5829881	6059 69 6		237
SKSMU 640 FT	400 1,5/ St / FT	5830658	6059 71 3		237
SKSMU 650 FS	500 1,5/ St / FS	5829898	6059 69 8		237
SKSMU 650 FT	500 1,5/ St / FT	5830665	6059 71 5		237
SKSMU 660 FS	600 1,5/ St / FS	5829904	6059 70 0		237
SKSMU 660 FT	600 1,5/ St / FT	5830672	6059 71 7		237
SKSMU 810 FS	100 1,5/ St / FS	5833444	6059 76 2		250
SKSMU 810 FT	100 1,5/ St / FT	5833567	6059 77 9		250
SKSMU 815 FS	150 1,5/ St / FS	5833451	6059 76 4		250
SKSMU 815 FT	150 1,5/ St / FT	5833574	6059 78 1		250
SKSMU 820 FS	200 1,5/ St / FS	5833468	6059 76 6		250
SKSMU 820 FT	200 1,5/ St / FT	5833581	6059 78 3		250
SKSMU 830 FS	300 1,5/ St / FS	5833505	6059 76 8		250
SKSMU 830 FT	300 1,5/ St / FT	5833628	6059 78 5		250
SKSMU 840 FS	400 1,5/ St / FS	5833512	6059 77 0		250
SKSMU 840 FT	400 1,5/ St / FT	5833635	6059 78 7		250
SKSMU 850 FS	500 1,5/ St / FS	5833529	6059 77 2		250
SKSMU 850 FT	500 1,5/ St / FT	5833642	6059 78 9		250
SKSMU 860 FS	600 1,5/ St / FS	5833550	6059 77 4		250
SKSMU 860 FT	600 1,5/ St / FT	5833673	6059 79 1		250
SKSU 110 FS	100 1,5/ ST / FS	6395231	6063 40 3		277
SKSU 110 FT	100 1,5/ ST / FT	6397754	6064 79 5		277
SKSU 120 FS	200 1,5/ ST / FS	6395293	6063 43 8		277
SKSU 120 FT	200 1,5/ ST / FT	6397877	6064 83 3		277
SKSU 130 FS	300 1,5/ ST / FS	6395354	6063 45 4		277
SKSU 130 FT	300 1,5/ ST / FT	6397990	6064 88 4		277
SKSU 140 FS	400 1,5/ ST / FS	6395415	6063 47 0		277
SKSU 140 FT	400 1,5/ ST / FT	5069690	6064 92 2		277
SKSU 150 FS	500 1,5/ ST / FS	6395477	6063 49 7		277
SKSU 150 FT	500 1,5/ ST / FT	6398232	6064 96 5		277
SKSU 155 FS	550 1,5/ ST / FS	5038702	6063 50 0		277
SKSU 155 FT	550 1,5/ ST / FT	6102433	6064 97 3		277
SKSU 610 FS	100 1,5/ St / FS	5060369	6063 23 4		276
SKSU 610 FT	100 1,5/ St / FT	5069836	6064 30 7		276
SKSU 620 FS	200 1,5/ St / FS	5060390	6063 23 6		276
SKSU 620 FT	200 1,5/ St / FT	6050888	6064 35 3		276
SKSU 630 FS	300 1,5/ St / FS	5060406	6063 23 8		276
SKSU 630 FT	300 1,5/ St / FT	5069843	6064 40 9		276
SKSU 640 FS	400 1,5/ St / FS	5060413	6063 95 0		276
SKSU 640 FT	400 1,5/ St / FT	5069874	6064 43 5		276
SKSU 650 FS	500 1,5/ St / FS	6063857	6063 24 1		276
SKSU 650 FT	500 1,5/ St / FT	6308958	6064 51 5		276
SKSU 660 FS	600 1,5/ St / FS	6063918	6063 27 6		276
SKSU 660 FT	600 1,5/ St / FT	6397273	6064 52 3		276
SL 42 075	75 2000/ St / SG	6506538	7097 02 6		386
SL 42 075 FT	75 2000/ St / FT	6506897	7097 11 5		386
SL 42 100	100 2000/ St / SG	6506590	7097 03 4		386
SL 42 100 FT	100 2000/ St / FT	6506958	7097 12 3		386
SL 42 150	150 2000/ St / SG	6506651	7097 04 2		386
SL 42 150 FT	150 2000/ St / FT	6507016	7097 13 1		386
SL 42 200	200 2000/ St / SG	6506712	7097 05 0		386
SL 42 200 FT	200 2000/ St / FT	6507078	7097 15 8		386
SL 42 250	250 2000/ St / SG	6506774	7097 06 9		386
SL 42 250 FT	250 2000/ St / FT	6507139	7097 16 6		386
SL 42 300	300 2000/ St / SG	6506835	7097 07 7		386
SL 42 300 FT	300 2000/ St / FT	6979646	7097 17 4		386
SL 62 110	110 3000/ St / SG	6506477	7097 21 2		386
SL 62 110 FT	110 3000/ St / FT	6980246	7097 40 9		386
SL 62 210	210 3000/ St / SG	6979769	7097 23 9		386
SL 62 210 FT	210 3000/ St / FT	6980369	7097 42 5		386
SL 62 310 FT	310 3000/ St / FT	6980420	7097 43 3		386
SL 62 410 FT	410 3000/ St / FT	6980482	7097 44 1		386
SL 62 510 FT	510 3000/ St / FT	6508099	7097 46 8		386
SL 62 610 FT	610 3000/ St / FT	6508150	7097 47 6		386
SLG 420 NS 3 FS	200 2/ St / FS	5063575	6200 54 0		308
SLG 420 NS 6 FS	200 2/ St / FS	5063780	6200 62 3		308
SLG 420 NS FT	200 2/ St / FT	5063889	6200 64 6		308
SLG 430 NS 3 FS	300 2/ St / FS	5063582	6200 54 3		308
SLG 430 NS 6 FS	300 2/ St / FS	5063827	6200 62 6		308
SLG 430 NS FT	300 2/ St / FT	5063896	6200 64 9		308
SLG 440 NS 3 FS	400 2/ St / FS	5063599	6200 54 6		308
SLG 440 NS 6 FS	400 2/ St / FS	5063834	6200 62 9		308
SLG 440 NS FT	400 2/ St / FT	5063902	6200 65 2		308
SLG 450 NS 3 FS	500 2/ St / FS	5063605	6200 54 9		308
SLG 450 NS 6 FS	500 2/ St / FS	5063841	6200 63 2		308
SLG 450 NS FT	500 2/ St / FT	5063933	6200 65 5		308
SLG 460 NS 3 FS	600 2/ St / FS	5063636	6200 55 2		308
SLG 460 NS 6 FS	600 2/ St / FS	5063872	6200 63 5		308
SLG 460 NS FT	600 2/ St / FT	5063940	6200 65 8		308
SLG 620 NS FT	200 2/ ST / FT	5695578	6207 99 1		349
SLG 630 NS FT	300 2/ ST / FT	5695585	6207 99 3		349
SLG 640 NS FT	400 2/ ST / FT	5695592	6207 99 5		349
SLG 650 NS FT	500 2/ ST / FT	5695608	6207 99 7		349
SLG 660 NS FT	600 2/ ST / FT	5695615	6207 99 9		349
SLH 42 FT	200 0/ ST / FT	6582136	7103 61 1		207
SLH 42 FT	200 0/ ST / FT	6582136	7103 61 1		382
SLH 62 FT	300 0/ ST / FT	6468911	7103 64 3		207
SLH 62 FT	300 0/ ST / FT	6468911	7103 64 3		382
SLL 620 CPS 4 FS	200 6000/ St / FS	5433965	6010 62 0		349
SLL 620 CPS 4 FT	200 6000/ St / FT	5434047	6010 63 0		349
SLL 630 CPS 4 FS	300 6000/ St / FS	5433972	6010 62 2		349
SLL 630 CPS 4 FT	300 6000/ St / FT	5434085	6010 63 2		349
SLL 640 CPS 4 FS	400 6000/ St / FS	5433989	6010 62 4		349
SLL 640 CPS 4 FT	400 6000/ St / FT	5434092	6010 63 4		349
SLL 650 CPS 4 FS	500 6000/ St / FS	5434023	6010 62 6		349
SLL 650 CPS 4 FT	500 6000/ St / FT	5434108	6010 63 6		349
SLL 660 CPS 4 FS	600 6000/ St / FS	5434030	6010 62 8		349
SLL 660 CPS 4 FT	600 6000/ St / FT	5434146	6010 63 8		349
SLM 50 C40 10 FT	1000 3000/ ST / FT	6168613	6010 54 7		351
SLM 50 C40 11 FT	1100 3000/ ST / FT	6168552	6010 55 5		351
SLM 50 C40 12 FT	1200 3000/ ST / FT	6168491	6010 56 3		351
SLM 50 C40 2 FT	200 3000/ ST / FT	6146116	6010 46 6		351
SLM 50 C40 3 FT	300 3000/ ST / FT	6146178	6010 47 4		351
SLM 50 C40 4 FT	400 3000/ ST / FT	6146239	6010 48 2		351
SLM 50 C40 5 FT	500 3000/ ST / FT	6146291	6010 49 0		351
SLM 50 C40 6 FT	600 3000/ ST / FT	6168859	6010 50 4		351
SLM 50 C40 7 FT	700 3000/ ST / FT	6168798	6010 51 2		351
SLM 50 C40 8 FT	800 3000/ ST / FT	6168736	6010 52 0		351
SLM 50 C40 9 FT	900 3000/ ST / FT	6168675	6010 53 9		351
SLS 80 C40 10 FT	1000 6000/ ST / FT	6011599	6013 46 5		354
SLS 80 C40 11 FT	1100 6000/ ST / FT	6011650	6013 47 3		354
SLS 80 C40 12 FT	1200 6000/ ST / FT	6011711	6013 48 1		354

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
SLS 80 C40 2 FT	2006000/ ST / FT	6358632	6013 38 4		354
SLS 80 C40 3 FT	3006000/ ST / FT	6358694	6013 39 2		354
SLS 80 C40 4 FT	4006000/ ST / FT	6011230	6013 40 6		354
SLS 80 C40 5 FT	5006000/ ST / FT	6011292	6013 41 4		354
SLS 80 C40 6 FT	6006000/ ST / FT	6011353	6013 42 2		354
SLS 80 C40 7 FT	7006000/ ST / FT	6011414	6013 43 0		354
SLS 80 C40 8 FT	8006000/ ST / FT	6011476	6013 44 9		354
SLS 80 C40 9 FT	9006000/ ST / FT	6011537	6013 45 7		354
SLS 80 W40 10 FT	10006000/ ST / FT	6012138	6013 90 2		354
SLS 80 W40 4 FT	4006000/ ST / FT	6011773	6013 84 8		354
SLS 80 W40 5 FT	5006000/ ST / FT	6011834	6013 85 6		354
SLS 80 W40 6 FT	6006000/ ST / FT	6011896	6013 86 4		354
SLS 80 W40 7 FT	7006000/ ST / FT	6011957	6013 87 2		354
SLS 80 W40 8 FT	8006000/ ST / FT	6012015	6013 88 0		354
SLS 80 W40 9 FT	9006000/ ST / FT	6012077	6013 89 9		354
SLSP 62 300 FT	3000/ St / FT	6420131	7102 77 1		386
SLSP 62 300 SG	3000/ St / SG	6303731	7102 67 4		386
SLSP 62 300 V2A	3000/ V2A	5708544	7102 56 2		387
SLSP 62 300 V4A	3000/ V4A	5708551	7102 58 2		387
				/pc.	
SLV 42 FT	42/ St / FT	5980469	7103 54 0		388
SLV 42 VA 4571	42/ V4A	5980490	7103 56 0		388
SLV 62 FT	62/ St / FT	5980483	7103 54 8		388
SLV 62 VA 4571	62/ V4A	5980513	7103 56 8		388
				/m	
SLZ 100 FT	1003000/ St / FT	5708032	7098 13 2		389
SLZ 100 SG	1003000/ St / SG	5708148	7098 16 2		389
SLZ 1000 FT	10003000/ St / FT	5708124	7098 15 0		389
SLZ 1000 SG	10003000/ St / SG	5708230	7098 18 0		389
SLZ 1200 FT	12003000/ St / FT	5708131	7098 15 2		389
SLZ 1200 SG	12003000/ St / SG	5708247	7098 18 2		389
SLZ 200 FT	2003000/ St / FT	5708049	7098 13 4		389
SLZ 200 SG	2003000/ St / SG	5708155	7098 16 4		389
SLZ 300 FT	3003000/ St / FT	5708056	7098 13 6		389
SLZ 300 SG	3003000/ St / SG	5708162	7098 16 6		389
SLZ 400 FT	4003000/ St / FT	5708063	7098 13 8		389
SLZ 400 SG	4003000/ St / SG	5708179	7098 16 8		389
SLZ 500 FT	5003000/ St / FT	5708070	7098 14 0		389
SLZ 500 SG	5003000/ St / SG	5708186	7098 17 0		389
SLZ 600 FT	6003000/ St / FT	5708087	7098 14 2		389
SLZ 600 SG	6003000/ St / SG	5708193	7098 17 2		389
SLZ 700 FT	7003000/ St / FT	5708094	7098 14 4		389
SLZ 700 SG	7003000/ St / SG	5708209	7098 17 4		389
SLZ 800 FT	8003000/ St / FT	5708100	7098 14 6		389
SLZ 800 SG	8003000/ St / SG	5708216	7098 17 6		389
SLZ 900 FT	9003000/ St / FT	5708117	7098 14 8		389
SLZ 900 SG	9003000/ St / SG	5708223	7098 17 8		389
SLZ L 100 FT	1003000/ St / FT	5707646	7098 00 2		388
SLZ L 100 SG	1003000/ St / SG	5707745	7098 03 2		389
SLZ L 150 FT	1503000/ St / FT	5707684	7098 00 4		388
SLZ L 150 SG	1503000/ St / SG	5707752	7098 03 4		389
SLZ L 200 FT	2003000/ St / FT	5707691	7098 00 6		388
SLZ L 200 SG	2003000/ St / SG	5707769	7098 03 6		389
SLZ L 300 FT	3003000/ St / FT	5707707	7098 00 8		388
SLZ L 300 SG	3003000/ St / SG	5707776	7098 03 8		389
SLZ L 400 FT	4003000/ St / FT	5707714	7098 01 0		388
SLZ L 400 SG	4003000/ St / SG	5707783	7098 04 0		389
SLZ L 500 FT	5003000/ St / FT	5707721	7098 01 2		388
SLZ L 500 SG	5003000/ St / SG	5707790	7098 04 2		389
SLZ L 600 FT	6003000/ St / FT	5707738	7098 01 4		388
SLZ L 600 SG	6003000/ St / SG	5707806	7098 04 4		389
				/100 pc.	
SPP 20-40 FT	20-40 / St / FT	5859529	1486 27 0		196
SPP 20-40 V4A	20-40 / V4A	5859543	1486 27 8		456
SPP 20-40 VA	20-40 / V2A	5859536	1486 27 4		432
SPP 6-21 FT	6-21 / St / FT	5859499	1486 25 0		196
SPP 6-21 V4A	6-21 / V4A	5859512	1486 25 8		456
SPP 6-21 VA	6-21 / V2A	5859505	1486 25 4		432
				/pc.	
SSLB 100 DD	85/ ST / DD	6095247	7070 30 6		266
SSLB 100 DD	85/ ST / DD	6095247	7070 30 6		330
SSLB 100 DD	85/ ST / DD	6095247	7070 30 6		333
SSLB 100 FS	85/ St / FS	6079971	7070 20 5		266
SSLB 100 FS	85/ St / FS	6079971	7070 20 5		330
SSLB 100 FS	85/ St / FS	6079971	7070 20 5		333

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
SSLB 100 VA4301	85/ V2A	6095728	7070 35 3		425
SSLB 100 VA4571	85/ V4A	5021520	7070 39 0		469
SSLB 150 DD	135/ ST / DD	6095308	7070 31 0		266
SSLB 150 DD	135/ ST / DD	6095308	7070 31 0		330
SSLB 150 DD	135/ ST / DD	6095308	7070 31 0		333
SSLB 150 FS	135/ St / FS	6094820	7070 20 9		266
SSLB 150 FS	135/ St / FS	6094820	7070 20 9		330
SSLB 150 FS	135/ St / FS	6094820	7070 20 9		333
SSLB 200 DD	185/ ST / DD	6095360	7070 31 4		266
SSLB 200 DD	185/ ST / DD	6095360	7070 31 4		330
SSLB 200 DD	185/ ST / DD	6095360	7070 31 4		333
SSLB 200 FS	185/ St / FS	6094882	7070 21 3		266
SSLB 200 FS	185/ St / FS	6094882	7070 21 3		330
SSLB 200 FS	185/ St / FS	6094882	7070 21 3		333
SSLB 200 VA4301	185/ V2A	6095780	7070 36 1		442
SSLB 200 VA4301	185/ V2A	6095780	7070 36 1		443
SSLB 200 VA4301	185/ V2A	6095780	7070 36 1		425
SSLB 200 VA4571	185/ V4A	5021582	7070 39 2		469
SSLB 300 DD	285/ ST / DD	6095421	7070 31 8		266
SSLB 300 DD	285/ ST / DD	6095421	7070 31 8		330
SSLB 300 DD	285/ ST / DD	6095421	7070 31 8		333
SSLB 300 FS	285/ St / FS	6094943	7070 21 7		266
SSLB 300 FS	285/ St / FS	6094943	7070 21 7		330
SSLB 300 FS	285/ St / FS	6094943	7070 21 7		333
SSLB 300 VA4301	285/ V2A	6095841	7070 36 5		442
SSLB 300 VA4301	285/ V2A	6095841	7070 36 5		443
SSLB 300 VA4301	285/ V2A	6095841	7070 36 5		425
SSLB 300 VA4571	285/ V4A	5021605	7070 39 4		469
SSLB 400 DD	385/ ST / DD	6095483	7070 32 2		266
SSLB 400 DD	385/ ST / DD	6095483	7070 32 2		330
SSLB 400 DD	385/ ST / DD	6095483	7070 32 2		333
SSLB 400 FS	385/ St / FS	6095001	7070 22 1		266
SSLB 400 FS	385/ St / FS	6095001	7070 22 1		330
SSLB 400 FS	385/ St / FS	6095001	7070 22 1		333
SSLB 400 VA4301	385/ V2A	6095902	7070 36 9		442
SSLB 400 VA4301	385/ V2A	6095902	7070 36 9		443
SSLB 400 VA4301	385/ V2A	6095902	7070 36 9		425
SSLB 400 VA4571	385/ V4A	5021766	7070 39 6		469
SSLB 500 DD	485/ ST / DD	6095544	7070 32 6		266
SSLB 500 DD	485/ ST / DD	6095544	7070 32 6		330
SSLB 500 DD	485/ ST / DD	6095544	7070 32 6		333
SSLB 500 FS	485/ St / FS	6095063	7070 22 5		266
SSLB 500 FS	485/ St / FS	6095063	7070 22 5		330
SSLB 500 FS	485/ St / FS	6095063	7070 22 5		333
SSLB 500 VA4301	485/ V2A	6095964	7070 37 3		442
SSLB 500 VA4301	485/ V2A	6095964	7070 37 3		443
SSLB 500 VA4301	485/ V2A	6095964	7070 37 3		425
SSLB 500 VA4571	485/ V4A	5021711	7070 39 8		469
SSLB 550 DD	535/ ST / DD	6095605	7070 33 0		266
SSLB 550 DD	535/ ST / DD	6095605	7070 33 0		330
SSLB 550 DD	535/ ST / DD	6095605	7070 33 0		333
SSLB 550 FS	535/ St / FS	6095124	7070 22 9		266
SSLB 550 FS	535/ St / FS	6095124	7070 22 9		330
SSLB 550 FS	535/ St / FS	6095124	7070 22 9		333
SSLB 600 DD	585/ ST / DD	6095667	7070 33 4		266
SSLB 600 DD	585/ ST / DD	6095667	7070 33 4		330
SSLB 600 DD	585/ ST / DD	6095667	7070 33 4		333
SSLB 600 FS	585/ St / FS	6095186	7070 23 3		266
SSLB 600 FS	585/ St / FS	6095186	7070 23 3		330
SSLB 600 FS	585/ St / FS	6095186	7070 23 3		333
SSLB 600 VA4301	585/ V2A	6096022	7070 38 1		442
SSLB 600 VA4301	585/ V2A	6096022	7070 38 1		443
SSLB 600 VA4301	585/ V2A	6096022	7070 38 1		425
SSLB 600 VA4571	585/ V4A	5021827	7070 40 0		469
SSV FT	2 23 x 23 x 100/ ST / FT	6064755	6066 04 6		399
SSV VA4301	2 23 x 23 x 100/ V2A	6064816	6066 05 4		453
SV DD	2 86 x 23/ ST / DD	6084432	6066 94 1		399

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
SV MKR FS	16 x 29 x 60/ St / FS	5706847	6066 24 2		385
SV MKR FT	16 x 29 x 60/ St / FT	6064939	6066 24 0		385
SV VA4301	2 86 x 23/ V2A	6065233	6066 93 3		453
				/100 pc.	
SVE 41 FT	47x39,4/ St / FT	5939214	1123 12 1		205
SVE 41 G	47x39,4/ St / G	5939221	1123 12 4		205
				/pc.	
SVLB RST20i3 BL	82 x 35/ PA	5892298	6069 78 7		369
SVLS RST20i3 BL	79 x 35/ PA	5892304	6069 78 9		369
T D 200 FT	200/ ST / FT	6446414	6239 77 3		325
T D 300 FT	300/ ST / FT	6446476	6239 78 1		325
T D 400 FT	400/ ST / FT	6446537	6239 80 3		325
T D 500 FT	500/ ST / FT	6446599	6239 81 1		325
T D 600 FT	600/ ST / FT	6446650	6239 83 8		325
TGK 30 42 FT	/ ST / FT	6014415	6018 96 3		192
TGK 30 42 FT	/ ST / FT	6014415	6018 96 3		355
				/pair	
TKH-L-25 FT	25/ ST / FT	6579259	6355 81 2		196
TKH-S-30 FT	30/ ST / FT	6114610	6355 80 4		196
TKS-L-25 FT	25/ ST / FT	6579075	6355 80 8		196
TKS-S-30 FT	30/ ST / FT	6114498	6355 80 0		197
				/pc.	
TPB 100 FS	1,5/ St / FS	5523666	6357 50 6		158
TPB 100 FS	1,5/ St / FS	5523666	6357 50 6		377
TPB 100 VA4301	1,5/ V2A	5523673	6357 51 6		404
TPB R FS	1,50,8/ St / FS	5523680	6357 53 6		158
TPB R FS	1,50,8/ St / FS	5523680	6357 53 6		377
TPB R VA4301	1,50,8/ V2A	5523727	6357 53 8		404
TPD 145 FS	145100-100 / ST / FS	6198610	6363 80 6		162
TPD 145 FT	145100-100 / ST / FT	5076858	6363 86 1		162
TPD 245 FS	245200-200 / ST / FS	6198672	6363 81 4		162
TPD 245 FT	245200-200 / ST / FT	5076865	6363 86 5		162
TPD 345 FS	345300-300 / ST / FS	6198733	6363 82 2		162
TPD 345 FT	345300-300 / ST / FT	5076896	6363 86 9		162
TPD 445 FS	445400-400 / ST / FS	5460381	6363 82 6		162
TPD 545 FS	545500-500 / ST / FS	5460428	6363 82 9		162
TPDG 145 FS	145100-100 / ST / FS	6511754	6365 90 6		163
TPDG 145 FT	145100-100 / ST / FT	5076902	6365 97 7		163
TPDG 145 VA4301	145100-100 / V2A	5617747	6365 98 9		402
TPDG 195 FS	195150-150 / ST / FS	6042609	6365 91 4		163
TPDG 195 VA4301	195150-150 / V2A	5617754	6365 99 1		402
TPDG 245 FS	245200-200 / ST / FS	6511815	6365 92 2		163
TPDG 245 FT	245200-200 / ST / FT	5076919	6365 98 1		163
TPDG 245 VA4301	245200-200 / V2A	5617761	6365 99 3		402
TPDG 345 FS	345300-300 / ST / FS	6984329	6365 94 9		163
TPDG 345 FT	345300-300 / ST / FT	5076926	6365 98 5		163
TPDG 345 VA4301	345300-300 / V2A	5617778	6365 99 5		402
TPS 3000 FS	3000/ ST / FS	6282739	6364 80 2		167
TPS 445 FS	445/ ST / FS	6199334	6364 32 2		164
TPS 445 FT	445/ ST / FT	6473717	6364 40 3		164
TPS 445 VA4301	445/ V2A	5617730	6364 84 8		402
TPS 545 FS	545/ ST / FS	6199396	6364 34 9		164
TPS 545 FT	545/ ST / FT	6473779	6364 50 0		164
TPS 545 VA4301	545/ V2A	5617860	6364 85 0		402
TPS 645 FS	645/ ST / FS	6199457	6364 36 5		164
TPS 645 FT	645/ ST / FT	6473830	6364 60 8		164
TPS 645 VA4301	645/ V2A	5617877	6364 85 2	/pc.	402
TPS KS OR	Pastel orange/ PE	5668084	6364 62 5		167
TPSA 145 FS	145100/ St / FS	6198979	6364 10 1		165
TPSA 145 FT	145100-100 / ST / FT	6473892	6364 65 9		165
TPSA 145 VA4301	145100-100 / V2A	5733157	6364 87 1		403
TPSA 195 FS	195/ St / FS	6199037	6364 15 2		165
TPSA 195 FT	195150-150 / ST / FT	6555673	6364 68 3		165
TPSA 245 FS	245200/ St / FS	6199099	6364 20 9		165
TPSA 245 FT	245200-200 / ST / FT	6473953	6364 66 7		165
TPSA 245 VA4301	245200-200 / V2A	5733164	6364 87 6		403
TPSA 295 FS	295/ St / FS	6199150	6364 26 8		165
TPSA 345 FS	345300/ St / FS	6199273	6364 30 6		165
TPSA 345 FT	345300-300 / ST / FT	6474011	6364 67 5		165
TPSA 345 VA4301	345300-300 / V2A	5733171	6364 88 1		403
TPSA 395 FS	395/ St / FS	6199211	6364 27 6		165
TPSAG 145 FS	145100-100 / ST / FS	6627554	6366 01 5		166
TPSAG 145 FT	145100-100 / ST / FT	5076957	6366 13 1		166
TPSAG 145 VA4301	145100-100 / V2A	5617785	6366 14 5		403
TPSAG 195 FS	195150-150 / ST / FS	6627615	6366 02 3		166
TPSAG 195 FT	195150-150 / ST / FT	5076964	6366 13 5		166
TPSAG 195 VA4301	195150-150 / V2A	5617792	6366 14 6		403
TPSAG 245 FS	245200-200 / ST / FS	6545353	6366 03 1		166
TPSAG 245 FT	245200-200 / ST / FT	5076971	6366 13 9		166
TPSAG 245 VA4301	245200-200 / V2A	5617808	6366 14 8		403
TPSAG 345 FS	345300-300 / ST / FS	6545292	6366 06 6		166
TPSAG 345 FT	345300-300 / ST / FT	5076988	6366 14 3		166
TPSAG 345 VA4301	345300-300 / V2A	5617815	6366 14 9		403
TPSG 150L FS	150/ ST / FS	5381693	6366 53 3		166
TPSG 200L FS	200/ ST / FS	5381709	6366 53 6		166
TPSG 250L FS	250/ ST / FS	5381716	6366 53 9		166
TPSG 3000 FS	3000/ ST / FS	6079032	6366 09 0		166
TPSG 3000 FT	3000/ ST / FT	5424925	6366 09 3		166
TPSG 300L FS	300/ ST / FS	5381723	6366 54 2		166
TPSG 400L FS	400/ ST / FS	5381754	6366 54 5		166
TPSG 500L FS	500/ ST / FS	5381761	6366 54 8		166
TPSG 600L FS	600/ ST / FS	5381778	6366 55 1		166
TPSG 700L FS	700/ ST / FS	5381785	6366 55 4		166
				/100 pc.	
TrayFix		5738428	5403 10 0		297
				/m	
TSG 110 DD	1103000/ St / DD	5694700	6062 33 5		260
TSG 110 DD	1103000/ St / DD	5694700	6062 33 5		278
TSG 110 DD	1103000/ St / DD	5694700	6062 33 5		332
TSG 110 DD	1103000/ St / DD	5694700	6062 33 5		338
TSG 110 DD	1103000/ St / DD	5694700	6062 33 5		343
TSG 110 FS	1103000/ St / FS	5694588	6062 12 2		260
TSG 110 FS	1103000/ St / FS	5694588	6062 12 2		278
TSG 110 FS	1103000/ St / FS	5694588	6062 12 2		332
TSG 110 FS	1103000/ St / FS	5694588	6062 12 2		338
TSG 110 FS	1103000/ St / FS	5694588	6062 12 2		343
TSG 110 VA4301	1103000/ V2A	5778431	6062 25 5		441
TSG 110 VA4301	1103000/ V2A	5778431	6062 25 5		445
TSG 135 DD	1353000/ St / DD	5694717	6062 33 8		332
TSG 135 DD	1353000/ St / DD	5694717	6062 33 8		338
TSG 135 DD	1353000/ St / DD	5694717	6062 33 8		343
TSG 135 FS	1353000/ St / FS	5694595	6062 13 2		332
TSG 135 FS	1353000/ St / FS	5694595	6062 13 2		338
TSG 135 FS	1353000/ St / FS	5694595	6062 13 2		343
TSG 30 DD	303000/ St / DD	5694663	6062 31 4		284
TSG 30 DD	303000/ St / DD	5694663	6062 31 4		300
TSG 30 DD	303000/ St / DD	5694663	6062 31 4		309
TSG 30 FS	303000/ St / FS	5694496	6062 05 0		227
TSG 30 FS	303000/ St / FS	5694496	6062 05 0		284
TSG 30 FS	303000/ St / FS	5694496	6062 05 0		300

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
TSG 30 FS	303000/ St / FS	5694496	6062 05 0		309
TSG 30 VA4301	303000/ V2A	5694502	6062 05 2		430
TSG 30 VA4571	303000/ V4A	5694533	6062 05 4		474
TSG 45 DD	453000/ St / DD	5694670	6062 32 1		238
TSG 45 DD	453000/ St / DD	5694670	6062 32 1		287
TSG 45 DD	453000/ St / DD	5694670	6062 32 1		314
TSG 45 FS	453000/ St / FS	5694489	6062 03 3		238
TSG 45 FS	453000/ St / FS	5694489	6062 03 3		287
TSG 45 FS	453000/ St / FS	5694489	6062 03 3		314
TSG 45 VA4301	453000/ V2A	5694441	6062 02 5		421
TSG 45 VA4301	453000/ V2A	5694441	6062 02 5		430
TSG 45 VA4301	453000/ V2A	5694441	6062 02 5		438
TSG 45 VA4571	453000/ V4A	5694472	6062 02 8		466
TSG 45 VA4571	453000/ V4A	5694472	6062 02 8		478
TSG 60 DD	603000/ St / DD	5694687	6062 32 7		232
TSG 60 DD	603000/ St / DD	5694687	6062 32 7		238
TSG 60 DD	603000/ St / DD	5694687	6062 32 7		278
TSG 60 FS	603000/ St / FS	5694540	6062 06 8		232
TSG 60 FS	603000/ St / FS	5694540	6062 06 8		238
TSG 60 FS	603000/ St / FS	5694540	6062 06 8		278
TSG 60 VA4301	603000/ V2A	5694557	6062 08 4		420
TSG 60 VA4571	603000/ V4A	5694564	6062 08 6		465
TSG 60 VA4571	603000/ V4A	5694564	6062 08 6		474
TSG 85 DD	850,75/ St / DD	5694694	6062 33 1		250
TSG 85 DD	850,75/ St / DD	5694694	6062 33 1		288
TSG 85 DD	850,75/ St / DD	5694694	6062 33 1		320
TSG 85 DD	850,75/ St / DD	5694694	6062 33 1		329
TSG 85 DD	850,75/ St / DD	5694694	6062 33 1		335
TSG 85 FS	850,75/ St / FS	5694571	6062 11 4		250
TSG 85 FS	850,75/ St / FS	5694571	6062 11 4		288
TSG 85 FS	850,75/ St / FS	5694571	6062 11 4		320
TSG 85 FS	850,75/ St / FS	5694571	6062 11 4		329
TSG 85 FS	850,75/ St / FS	5694571	6062 11 4		335
TSG 85 VA4301	853000/ V2A	5694601	6062 17 3		430
TSG 85 VA4301	853000/ V2A	5694601	6062 17 3		441
TSG 85 VA4301	853000/ V2A	5694601	6062 17 3		445
				/pc.	
TSGV VA4310	/ V2A	5694724	6067 97 0		227
TSGV VA4310	/ V2A	5694724	6067 97 0		233
TSGV VA4310	/ V2A	5694724	6067 97 0		239
TSGV VA4310	/ V2A	5694724	6067 97 0		250
TSGV VA4310	/ V2A	5694724	6067 97 0		260
TSGV VA4310	/ V2A	5694724	6067 97 0		278
TSGV VA4310	/ V2A	5694724	6067 97 0		284
TSGV VA4310	/ V2A	5694724	6067 97 0		287
TSGV VA4310	/ V2A	5694724	6067 97 0		288
TSGV VA4310	/ V2A	5694724	6067 97 0		300
TSGV VA4310	/ V2A	5694724	6067 97 0		309
TSGV VA4310	/ V2A	5694724	6067 97 0		315
TSGV VA4310	/ V2A	5694724	6067 97 0		320
TSGV VA4310	/ V2A	5694724	6067 97 0		329
TSGV VA4310	/ V2A	5694724	6067 97 0		332
TSGV VA4310	/ V2A	5694724	6067 97 0		335
TSGV VA4310	/ V2A	5694724	6067 97 0		338
TSGV VA4310	/ V2A	5694724	6067 97 0		343
TSGV VA4310	/ V2A	5694724	6067 97 0		420
TSGV VA4310	/ V2A	5694724	6067 97 0		421
TSGV VA4310	/ V2A	5694724	6067 97 0		431
TSGV VA4310	/ V2A	5694724	6067 97 0		438
TSGV VA4310	/ V2A	5694724	6067 97 0		441
TSGV VA4310	/ V2A	5694724	6067 97 0		445
TSGV VA4310	/ V2A	5694724	6067 97 0		465
TSGV VA4310	/ V2A	5694724	6067 97 0		466
TSGV VA4310	/ V2A	5694724	6067 97 0		475
TSGV VA4310	/ V2A	5694724	6067 97 0		478
US 3 100 FS	10002/ St / FS	6223572	6342 31 8		169
US 3 100 VA4301	10002/ V2A	5705727	6342 46 0		405
US 3 100 VA4571	10002/ V4A	5705833	6342 49 1		457
US 3 150 FS	15002/ St / FS	6223633	6342 32 8		169
US 3 150 VA4301	15002/ V2A	5705765	6342 46 3		405
US 3 150 VA4571	15002/ V4A	5705840	6342 49 4		457
US 3 20 FS	2002/ St / FS	6221776	6342 30 2		169
US 3 200 FS	20002/ St / FS	6224296	6342 33 8		169
US 3 200 VA4301	20002/ V2A	5705772	6342 46 6		405
US 3 200 VA4571	20002/ V4A	5705871	6342 49 7		457
US 3 30 FS	3002/ St / FS	6222018	6342 30 4		169
US 3 30 VA4301	3002/ V2A	5705703	6342 45 5		405
US 3 30 VA4571	3002/ V4A	5705789	6342 48 5		457
US 3 300 FS	30002/ St / FS	5710905	6342 34 0		169
US 3 40 FS	4002/ St / FS	6222070	6342 30 6		169
US 3 50 FS	5002/ St / FS	6222315	6342 30 8		169
US 3 50 VA4301	5002/ V2A	5705710	6342 45 7		405
US 3 50 VA4571	5002/ V4A	5705826	6342 48 8		457
US 3 60 FS	6002/ St / FS	6222377	6342 31 0		169
US 3 600 FS	60002/ St / FS	6224418	6342 34 5		169
US 3 600 FT	60002/ ST / FT	6225491	6342 45 0		169
US 3 600 FT	60002/ ST / FT	6225491	6342 45 0		351
US 3 600 VA4301	60002/ V2A	5706373	6342 46 8		405
US 3 600 VA4571	60002/ V4A	5618478	6342 50 5		457
US 3 70 FS	7002/ St / FS	6222438	6342 31 2		169
US 3 80 FS	8002/ St / FS	6222490	6342 31 4		169
US 3 90 FS	9002/ St / FS	6223510	6342 31 6		169
US 3 K 100 FT	10002/ St / FT	6225132	6342 36 8		168
US 3 K 100VA4301	10002/ V2A	5705437	6342 41 7		405
US 3 K 100VA4571	10002/ V4A	5705697	6342 39 7		457
US 3 K 110 FT	11002/ St / FT	6225378	6342 37 0		168
US 3 K 120 FT	12002/ St / FT	6225439	6342 37 2		168
US 3 K 20 FT	2002/ St / FT	6224470	6342 35 1		168
US 3 K 20VA4301	2002/ V2A	5705352	6342 40 1		405
US 3 K 20VA4571	2002/ V4A	5705635	6342 37 5		457
US 3 K 30 FT	3002/ St / FT	6224531	6342 35 3		168
US 3 K 30VA4301	3002/ V2A	5705369	6342 40 3		405
US 3 K 30VA4571	3002/ V4A	5395355	6342 53 0		457
US 3 K 40 FT	4002/ St / FT	6224593	6342 35 5		168
US 3 K 40VA4301	4002/ V2A	5705376	6342 40 5		405
US 3 K 40VA4571	4002/ V4A	5705642	6342 37 9		457
US 3 K 50 FT	5002/ St / FT	6224654	6342 35 7		168
US 3 K 50VA4301	5002/ V2A	5705383	6342 40 7		405
US 3 K 50VA4571	5002/ V4A	5705659	6342 38 1		457
US 3 K 60 FT	6002/ St / FT	6224715	6342 35 9		168
US 3 K 60VA4301	6002/ V2A	5705390	6342 40 9		405
US 3 K 60VA4571	6002/ V4A	5618461	6342 38 9		457
US 3 K 70 FT	7002/ St / FT	6224777	6342 36 2		168
US 3 K 70VA4301	7002/ V2A	5705406	6342 41 1		405
US 3 K 70VA4571	7002/ V4A	5705666	6342 39 1		457
US 3 K 80 FT	8002/ St / FT	6225019	6342 36 4		168
US 3 K 80VA4301	8002/ V2A	5705413	6342 41 3		405
US 3 K 80VA4571	8002/ V4A	5705673	6342 39 3		457
US 3 K 90 FT	9002/ St / FT	6225071	6342 36 6		168
US 3 K 90VA4301	9002/ V2A	5705420	6342 41 5		405
US 3 K 90VA4571	9002/ V4A	5705680	6342 39 5		457
US 3 K110 VA4571	11002/ V4A	5912873	6342 39 6		457
US 3 K120 VA4571	2/ V4A	5912880	6342 39 8		457
US 3 KS OR	Pastel orange/ PE	5668039	6338 45 8		168
US 3 KS OR	Pastel orange/ PE	5668039	6338 45 8		352
US 3 KS OR	Pastel orange/ PE	5668039	6338 45 8		405
US 3 KS OR	Pastel orange/ PE	5668039	6338 45 8		457
US 5 100 FT	10002,5/ St / FT	6284177	6340 96 2		172
US 5 100 FT	10002,5/ St / FT	6284177	6340 96 2		351
US 5 100 VA4301	10002,5/ V2A	6082094	6341 13 3		407
US 5 110 FT	11002,5/ St / FT	5776277	6340 96 4		172
US 5 110 VA4301	11002,5/ V2A	6082155	6341 13 7		407
US 5 120 FT	12002,5/ St / FT	5858133	6340 96 5		172
US 5 120 VA4301	12002,5/ V2A	6082216	6341 14 1		407
US 5 150 FT	15002,5/ St / FT	6437597	6340 96 6		351
US 5 150 FT	15002,5/ St / FT	6437597	6340 96 6		172
US 5 20 FT	2002,5/ St / FT	6959006	6340 88 1		172
US 5 20 FT	2002,5/ St / FT	6959006	6340 88 1		351
US 5 20 VA4301	2002,5/ V2A	6081554	6341 10 1		407
US 5 200 FT	20002,5/ St / FT	6437658	6340 97 0		351
US 5 200 FT	20002,5/ St / FT	6437658	6340 97 0		172
US 5 30 FT	3002,5/ St / FT	6959068	6340 90 3		172

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /pc.	Page
US 5 30 FT	3002,5/ St / FT	6959068	6340 90 3		351
US 5 30 VA4301	3002,5/ V2A	6081615	6341 10 5		407
US 5 30 VA4571	3002,5/ V4A	5020981	6341 05 3		459
US 5 300 FT	30002,5/ St / FT	6446957	6340 98 9		351
US 5 300 FT	30002,5/ St / FT	6446957	6340 98 9		172
US 5 300 VA4301	30002,5/ V2A	6082278	6341 15 2		407
US 5 300 VA4571	30002,5/ V4A	5022305	6341 07 3		459
US 5 40 FT	4002,5/ St / FT	6959129	6340 91 1		172
US 5 40 FT	4002,5/ St / FT	6959129	6340 91 1		351
US 5 40 VA4301	4002,5/ V2A	6081677	6341 10 9		407
US 5 40 VA4571	4002,5/ V4A	6181995	6341 05 5		459
US 5 50 FT	5002,5/ St / FT	6959181	6340 93 8		172
US 5 50 FT	5002,5/ St / FT	6959181	6340 93 8		351
US 5 50 VA4301	5002,5/ V2A	6081738	6341 11 3		407
US 5 50 VA4571	5002,5/ V4A	6182053	6341 05 7		459
US 5 60 FT	6002,5/ St / FT	6601752	6340 94 6		172
US 5 60 FT	6002,5/ St / FT	6601752	6340 94 6		351
US 5 60 VA4571	6002,5/ V4A	6183319	6341 05 9		459
US 5 600 FT	60002,5/ ST / FT	6437719	6340 99 7		351
US 5 600 FT	60002,5/ ST / FT	6437719	6340 99 7		172
US 5 70 FT	7002,5/ St / FT	6043927	6340 95 0		172
US 5 70 FT	7002,5/ St / FT	6043927	6340 95 0		351
US 5 70 VA4301	7002,5/ V2A	6081851	6341 12 1		407
US 5 80 FT	8002,5/ St / FT	6044047	6340 95 4		172
US 5 80 FT	8002,5/ St / FT	6044047	6340 95 4		351
US 5 80 VA4301	8002,5/ V2A	6081912	6341 12 5		407
US 5 80 VA4571	8002,5/ V4A	6237135	6341 06 3		459
US 5 90 FT	9002,5/ St / FT	6044160	6340 95 8		172
US 5 90 FT	9002,5/ St / FT	6044160	6340 95 8		351
US 5 90 VA4301	9002,5/ V2A	6081974	6341 12 9		407
US 5 90 VA4571	9002,5/ V4A	6183371	6341 06 5		459
US 5 K 100 FT	10002,5/ St / FT	6536290	6341 61 6		171
US 5 K 100VA4301	10002,5/ V2A	6350711	6341 39 0		407
US 5 K 100VA4571	10002,5/ V4A	6459919	6341 24 1		459
US 5 K 110 FT	11002,5/ St / FT	6536238	6341 62 4		171
US 5 K 110VA4301	11002,5/ V2A	6350773	6341 39 4		407
US 5 K 110VA4571	11002,5/ V4A	6816552	6341 24 5		459
US 5 K 120 FT	12002,5/ St / FT	6536177	6341 63 2		171
US 5 K 120VA4301	12002,5/ V2A	6350834	6341 39 8		407
US 5 K 120VA4571	12002,5/ V4A	6816613	6341 24 9		459
US 5 K 20 FT	2002,5/ St / FT	6536771	6341 52 7		171
US 5 K 20 VA4301	2002,5/ V2A	6477135	6341 35 8		407
US 5 K 20 VA4571	2002,5/ V4A	6815531	6341 20 9		459
US 5 K 30 FT	3002,5/ St / FT	6536719	6341 53 5		171
US 5 K 30 VA4301	3002,5/ V2A	6644230	6341 36 2		407
US 5 K 30 VA4571	3002,5/ V4A	6815593	6341 21 3		459
US 5 K 40 FT	4002,5/ St / FT	6536658	6341 54 3		171
US 5 K 40 VA4301	4002,5/ V2A	6350292	6341 36 6		407
US 5 K 40 VA4571	4002,5/ V4A	6815654	6341 21 7		459
US 5 K 50 FT	5002,5/ St / FT	6536597	6341 55 1		171
US 5 K 50 VA4301	5002,5/ V2A	6350414	6341 37 0		407
US 5 K 50 VA4571	5002,5/ V4A	6815715	6341 22 1		459
US 5 K 60 FT	6002,5/ St / FT	6536535	6341 57 8		171
US 5 K 60 VA4301	6002,5/ V2A	6350476	6341 37 4		407
US 5 K 60 VA4571	6002,5/ V4A	6815890	6341 22 5		459
US 5 K 70 FT	7002,5/ St / FT	6536474	6341 58 6		171
US 5 K 70 VA4301	7002,5/ V2A	6350537	6341 37 8		407
US 5 K 70 VA4571	7002,5/ V4A	6816194	6341 22 8		459
US 5 K 80 FT	8002,5/ St / FT	6536412	6341 59 4		171
US 5 K 80 VA4301	8002,5/ V2A	6350599	6341 38 2		407
US 5 K 80 VA4571	8002,5/ V4A	6816316	6341 23 3		459
US 5 K 90 FT	9002,5/ St / FT	6536351	6341 60 8		171
US 5 K 90 VA4301	9002,5/ V2A	6624492	6341 38 6		407
US 5 K 90 VA4571	9002,5/ V4A	6816439	6341 23 7		459

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price /pc.	Page
US 5 KS OR	Pastel orange/ PE	5668046	6338 46 2		171
US 5 KS OR	Pastel orange/ PE	5668046	6338 46 2		351
US 5 KS OR	Pastel orange/ PE	5668046	6338 46 2		407
US 5 KS OR	Pastel orange/ PE	5668046	6338 46 2		459
US 7 100 FT	10004/ St / FT	6188178	6340 18 0		175
US 7 100 FT	10004/ St / FT	6188178	6340 18 0		352
US 7 100 VA4301	10004/ V2A	6189434	6341 81 0		410
US 7 110 FT	11004/ St / FT	6188239	6340 19 9		175
US 7 110 FT	11004/ St / FT	6188239	6340 19 9		352
US 7 120 FT	12004/ St / FT	6188291	6340 20 2		175
US 7 120 FT	12004/ St / FT	6188291	6340 20 2		352
US 7 130 FT	13004/ St / FT	6188352	6340 21 0		175
US 7 130 FT	13004/ St / FT	6188352	6340 21 0		352
US 7 140 FT	14004/ St / FT	6188413	6340 22 9		175
US 7 140 FT	14004/ St / FT	6188413	6340 22 9		352
US 7 150 FT	15004/ St / FT	6188475	6340 23 7		175
US 7 150 FT	15004/ St / FT	6188475	6340 23 7		352
US 7 150 VA4301	15004/ V2A	6189731	6341 86 1		410
US 7 160 FT	16004/ St / FT	6188536	6340 24 5		175
US 7 160 FT	16004/ St / FT	6188536	6340 24 5		352
US 7 170 FT	17004/ St / FT	6188598	6340 25 3		175
US 7 170 FT	17004/ St / FT	6188598	6340 25 3		352
US 7 180 FT	18004/ St / FT	6188659	6340 26 1		175
US 7 180 FT	18004/ St / FT	6188659	6340 26 1		352
US 7 190 FT	19004/ St / FT	6188710	6340 28 8		175
US 7 190 FT	19004/ St / FT	6188710	6340 28 8		352
US 7 20 FT	2004/ St / FT	6187690	6340 01 6		175
US 7 20 FT	2004/ St / FT	6187690	6340 01 6		352
US 7 200 FT	20004/ St / FT	6188772	6340 29 6		175
US 7 200 FT	20004/ St / FT	6188772	6340 29 6		352
US 7 200 VA4301	20004/ V2A	6190034	6341 95 0		410
US 7 30 FT	3004/ St / FT	6187751	6340 03 2		175
US 7 30 FT	3004/ St / FT	6187751	6340 03 2		352
US 7 300 FT	30004/ St / FT	6188895	6340 37 7		175
US 7 300 FT	30004/ St / FT	6188895	6340 37 7		352
US 7 300 VA4301	30004/ V2A	6190096	6341 96 9		410
US 7 40 FT	4004/ St / FT	6187812	6340 05 9		175
US 7 40 FT	4004/ St / FT	6187812	6340 05 9		352
US 7 400 FT	40004/ St / FT	6458233	6340 39 3		175
US 7 400 FT	40004/ St / FT	6458233	6340 39 3		352
US 7 50 FT	5004/ St / FT	6187874	6340 07 5		175
US 7 50 FT	5004/ St / FT	6187874	6340 07 5		352
US 7 50 VA4301	5004/ V2A	6189137	6341 76 4		410
US 7 60 FT	6004/ St / FT	6187935	6340 09 1		175
US 7 60 FT	6004/ St / FT	6187935	6340 09 1		352
US 7 600 FT	60004/ St / FT	6188833	6340 31 8		175
US 7 600 FT	60004/ St / FT	6188833	6340 31 8		352
US 7 600 VA4301	60004/ V2A	6190157	6341 99 3		410
US 7 70 FT	7004/ St / FT	6187997	6340 11 3		175
US 7 70 FT	7004/ St / FT	6187997	6340 11 3		352
US 7 80 FT	8004/ St / FT	6188055	6340 14 8		175
US 7 80 FT	8004/ St / FT	6188055	6340 14 8		352
US 7 90 FT	9004/ St / FT	6188116	6340 16 4		175
US 7 90 FT	9004/ St / FT	6188116	6340 16 4		352
US 7 K 100 FT	10004/ St / FT	6187034	6339 18 2		174
US 7 K 100VA4301	10004/ V2A	6185894	6338 69 0		409
US 7 K 110 FT	11004/ St / FT	6187096	6339 19 0		174
US 7 K 110VA4301	11004/ V2A	6185955	6338 70 4		409
US 7 K 120 FT	12004/ St / FT	6187157	6339 20 4		174
US 7 K 120VA4301	12004/ V2A	6186013	6338 71 2		409
US 7 K 130 FT	13004/ St / FT	6187218	6339 21 2		174
US 7 K 140 FT	14004/ St / FT	6187270	6339 22 0		174
US 7 K 140VA4301	14004/ V2A	6186136	6338 73 9		409
US 7 K 150 FT	15004/ St / FT	6187331	6339 23 9		174
US 7 K 150VA4301	15004/ V2A	6186198	6338 74 7		409
US 7 K 160 FT	16004/ St / FT	6187393	6339 24 7		174
US 7 K 170 FT	17004/ St / FT	6187454	6339 25 5		174
US 7 K 180 FT	18004/ St / FT	6187515	6339 26 3		174
US 7 K 190 FT	19004/ St / FT	6187577	6339 27 1		174
US 7 K 20 FT	2004/ St / FT	6186556	6339 01 8		174
US 7 K 20 VA4301	2004/ V2A	6185412	6338 60 7		409
US 7 K 200 FT	20004/ St / FT	6187638	6339 29 8		174
US 7 K 200VA4301	20004/ V2A	6186495	6338 80 1		409
US 7 K 30 FT	3004/ St / FT	6186617	6339 03 4		174
US 7 K 30 VA4301	3004/ V2A	6185474	6338 61 5		409
US 7 K 40 FT	4004/ St / FT	6186679	6339 05 0		174
US 7 K 40 VA4301	4004/ V2A	6185535	6338 62 3		409
US 7 K 50 FT	5004/ St / FT	6186730	6339 07 7		174
US 7 K 50 VA4301	5004/ V2A	6185597	6338 63 1		409
US 7 K 60 FT	6004/ St / FT	6186792	6339 09 3		174
US 7 K 60 VA4301	6004/ V2A	6185658	6338 65 8		409
US 7 K 70 FT	7004/ St / FT	6186853	6339 11 5		174
US 7 K 70 VA4301	7004/ V2A	6185719	6338 66 6		409
US 7 K 80 FT	8004/ St / FT	6186914	6339 13 1		174

Always indicate the item number when ordering.

Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
US 7 K 80 VA4301	8004/ V2A	6185771	6338 67 4		409
US 7 K 90 FT	9004/ St / FT	6186976	6339 16 6		174
US 7 K 90 VA4301	9004/ V2A	6185832	6338 68 2		409
US 7 KS OR	Pastel orange/ PE	5668060	6338 49 7		174
US 7 KS OR	Pastel orange/ PE	5668060	6338 49 7		352
US 7 KS OR	Pastel orange/ PE	5668060	6338 49 7		409
VEK-GRM 3.9 FS	/ ST / FS	5304111	6016 69 4		293
VEK-GRM 4.8 FS	/ ST / FS	5304128	6016 69 6		293
VF AZK 50 DD	/ ST / DD	6046089	6066 62 3		373
VF AZK 50 DD	/ ST / DD	6046089	6066 62 3		395
VF AZK 50 FS	/ ST / FS	5049623	6066 61 5		373
VF AZK 50 FS	/ ST / FS	5049623	6066 61 5		395
VF AZK 50 VA4301	/ V2A	5863861	6066 62 9		451
VF AZK FT	/ ST / FT	6064991	6066 55 0		373
VF AZK FT	/ ST / FT	6064991	6066 55 0		395
VF AZK VA4301	/ V2A	6065059	6066 56 9		451
VF AZK VA4571	/ V4A	5866206	6066 57 1		483
VIS 8 FT	/ ST / FT	6014231	6018 30 0		190
VIS 8 FT	/ ST / FT	6014231	6018 30 0		354
VL-3Q1.5 10 SW		5122500	6108 10 9		376
VL-3Q1.5 15 SW		5122586	6108 11 4		376
VL-3Q1.5 3 SW		5122340	6108 10 2		376
VL-3Q1.5 5 SW		5122395	6108 10 4		376
VL-3Q2.5 10 SW		5123248	6108 15 9		376
VL-3Q2.5 15 SW		5123354	6108 16 4		376
VL-3Q2.5 3 SW		5123118	6108 15 2		376
VL-3Q2.5 5 SW		5123163	6108 15 4		376
VUS 3 FT	/ ST / FT	6229154	6018 51 3		169
VUS 3 FT	/ ST / FT	6229154	6018 51 3		352
VUS 3 VA4301	/ V2A	5706007	6018 51 7		406
VUS 3 VA4571	/ V4A	5618454	6018 52 0		458
VUS 5 FT	/ St / FT	6446896	6018 50 5		172
VUS 5 FT	/ St / FT	6446896	6018 50 5		351
VUS 7 FT	/ ST / FT	6014293	6018 37 8		175
VUS 7 FT	/ ST / FT	6014293	6018 37 8		352
VUS 7 VA4301	/ V2A	6014354	6018 40 8		410
WAAD 200 DD	2001,5/ ST / DD	6080717	6231 92 2		340
WAAD 200 FS	2001,5/ ST / FS	6080410	6231 90 0		340
WAAD 300 DD	3001,5/ ST / DD	6080779	6231 92 6		340
WAAD 300 FS	3001,5/ ST / FS	6080472	6231 90 4		340
WAAD 400 DD	4001,5/ ST / DD	6080830	6231 93 0		340
WAAD 400 FS	4001,5/ ST / FS	6080533	6231 90 8		340
WAAD 500 DD	5001,5/ ST / DD	6080892	6231 93 4		340
WAAD 500 FS	5001,5/ ST / FS	6080595	6231 91 2		340
WAAD 600 DD	6001,5/ ST / DD	6080953	6231 93 8		340
WAAD 600 FS	6001,5/ ST / FS	6080656	6231 91 6		340
WB 30 75 FT	/ ST / FT	6014712	6019 61 7		350
WB 30 75 VA4301	/ V2A	6014774	6019 66 8		448
				/100 pc.	
WBDHE 41 FT	134x110/ St / FT	5939276	1123 19 1		202
WBDHE 41 G	134x110/ St / G	5939283	1123 19 3		202
				/pc.	
WDBRL 90 20 DD	2001/ ST / DD	6504015	6231 52 7		340
WDBRL 90 20 FS	2001/ ST / FS	6503711	6231 46 2		340
WDBRL 90 30 DD	3001/ ST / DD	6504077	6231 53 5		340
WDBRL 90 30 FS	3001/ ST / FS	6503773	6231 47 0		340
WDBRL 90 40 DD	4001/ ST / DD	6504138	6231 54 3		340
WDBRL 90 40 FS	4001/ ST / FS	6503834	6231 48 9		340
WDBRL 90 50 DD	5001/ ST / DD	6504190	6231 55 1		340
WDBRL 90 50 FS	5001/ ST / FS	6503896	6231 49 7		340
WDBRL 90 60 DD	6001/ ST / DD	6504251	6231 57 8		340
WDBRL 90 60 FS	6001/ ST / FS	6503957	6231 50 0		340
WDKRL 200 DD	2001/ ST / DD	6505210	6231 80 2		341
WDKRL 300 DD	3001/ ST / DD	6505272	6231 81 0		341
WDKRL 400 DD	4001/ ST / DD	6505333	6231 82 9		341
WDKRL 500 DD	5001,25/ ST / DD	6505395	6231 83 7		341
WDKRL 600 DD	6001,25/ ST / DD	6505456	6231 84 5		341
WDR 317 A VA4301	/ V2A	6175390	6232 43 4		345
WDR 317 VA4301	/ V2A	6170296	6227 62 7		341

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
WDRL 1116 20 DD	2001/ ST / DD	6072613	6227 60 0		340
WDRL 1116 20 FS	2001/ ST / FS	6169696	6227 42 2		340
WDRL 1116 20 V2A	2001,5/ V2A	5751267	6227 36 0		446
WDRL 1116 30 DD	3001/ ST / DD	6072736	6227 60 4		340
WDRL 1116 30 FS	3001/ ST / FS	6169757	6227 43 0		340
WDRL 1116 30 V2A	3001,5/ V2A	5751304	6227 36 2		446
WDRL 1116 40 DD	4001/ ST / DD	6072910	6227 60 8		340
WDRL 1116 40 FS	4001/ ST / FS	6169818	6227 44 9		340
WDRL 1116 40 V2A	4001,5/ V2A	5751311	6227 36 4		446
WDRL 1116 50 DD	5001,5/ ST / DD	6073092	6227 61 2		340
WDRL 1116 50 FS	5001,5/ ST / FS	6169870	6227 45 7		340
WDRL 1116 50 V2A	5001,5/ V2A	5751328	6227 36 6		446
WDRL 1116 60 DD	6001,5/ ST / DD	6073276	6227 61 6		340
WDRL 1116 60 FS	6001,5/ ST / FS	6169931	6227 46 5		340
WDRL 1116 60 V2A	6001,5/ V2A	5751359	6227 36 8		446
				/pc.	
WDTRL 200 DD	2001/ ST / DD	6504619	6231 66 7		340
WDTRL 300 DD	3001/ ST / DD	6504671	6231 67 5		340
WDTRL 400 DD	4001/ ST / DD	6504732	6231 68 3		340
WDTRL 500 DD	5001,25/ ST / DD	6977420	6231 69 1		340
WDTRL 600 DD	6001,25/ ST / DD	6977482	6231 70 5		340
WEAS 110 FS	110/ St / FS	5242512	6098 47 5		329
WEAS 110 FT	110/ St / FT	5242529	6098 47 9		329
WEAS 110 VA4301	110/ V2A	5242536	6098 48 3		442
WEAS 110 VA4301	110/ V2A	5242536	6098 48 3		446
WEAS 160 FS	160/ St / FS	5242543	6098 86 0		333
WEAS 160 FT	160/ St / FT	5242550	6098 86 4		333
WEAS 160 VA4301	160/ V2A	5696346	6098 86 8		443
				/m	
WESP 50 20 BK	30004/ ST	6239955	7105 66 5		207
WESP 50 40 FT	3000/ St / FT	5705567	7105 67 3		382
WESP 60 15 BK	30004/ ST	6240012	7105 96 7		207
				/pc.	
WH GRM35 FT	3550/ St / FT	5863014	6016 44 3		294
WH GRM35 VA4401	3550/ V4A	5863021	6016 44 5		433
				/m	
WKL 2020 FT	2002,5/ ST / FT	6174799	6232 02 7		342
WKL 2030 FT	3002,5/ ST / FT	6174850	6232 03 5		342
WKL 2040 FT	4002,5/ ST / FT	6174911	6232 04 3		342
WKL 2050 FT	5002,5/ ST / FT	6174973	6232 05 1		342
WKL 2060 FT	6002,5/ ST / FT	6175031	6232 07 8		342
WKLD 2020 DD	2003000/ ST / DD	6073450	6232 38 0		345
WKLD 2030 DD	3003000/ ST / DD	6073634	6232 38 4		345
WKLD 2040 DD	4003000/ ST / DD	6073696	6232 38 8		345
WKLD 2050 DD	5003000/ ST / DD	6073757	6232 39 2		345
WKLD 2060 DD	6003000/ ST / DD	6073993	6232 39 6		345
WKLG 1120 FS	2002/ ST / FS	6883035	6311 00 8		334
WKLG 1120 FT	2002/ ST / FT	6883332	6311 05 9		334
WKLG 1120 VA4301	2002/ V2A	5037262	6311 20 2		444
WKLG 1120 VA4571	2002/ V4A	5403128	6311 22 5		479
WKLG 1130 FS	3002/ ST / FS	6883097	6311 01 2		334
WKLG 1130 FT	3002/ ST / FT	6883394	6311 06 3		334
WKLG 1130 VA4301	3002/ V2A	5037293	6311 20 6		444
WKLG 1130 VA4571	3002/ V4A	5866282	6311 22 7		479
WKLG 1140 FS	4002/ ST / FS	6883158	6311 01 6		334
WKLG 1140 FT	4002/ ST / FT	6883455	6311 06 7		334
WKLG 1140 VA4301	4002/ V2A	5037309	6311 21 0		444
WKLG 1140 VA4571	4002/ V4A	5403135	6311 22 9		479
WKLG 1150 FS	5002/ ST / FS	6883219	6311 02 0		334
WKLG 1150 FT	5002/ ST / FT	6883516	6311 07 1		334
WKLG 1150 VA4301	5002/ V2A	5037316	6311 21 4		444
WKLG 1150 VA4571	5002/ V4A	5866329	6311 23 1		479
WKLG 1160 FS	6002/ ST / FS	6883271	6311 02 4		334
WKLG 1160 FT	6002/ ST / FT	6883578	6311 07 5		334
WKLG 1160 VA4301	6002/ V2A	5037323	6311 21 8		444
WKLG 1160 VA4571	6002/ V4A	5403142	6311 23 3		479
WKLG 1620 FS	2002/ ST / FS	6169092	6227 02 3		337
WKLG 1620 FT	2002/ ST / FT	6169399	6227 12 0		337
WKLG 1620 VA4571	2002/ V4A	5909965	6227 17 0		481
WKLG 1630 FS	3002/ ST / FS	6169153	6227 03 1		337
WKLG 1630 FT	3002/ ST / FT	6169450	6227 13 9		337
WKLG 1630 VA4571	3002/ V4A	5909996	6227 17 2		481
WKLG 1640 FS	4002/ ST / FS	6169214	6227 05 8		337
WKLG 1640 FT	4002/ ST / FT	6169511	6227 14 7		337
WKLG 1640 VA4571	4002/ V4A	5910008	6227 17 4		481
WKLG 1650 FS	5002/ ST / FS	6169276	6227 06 6		337
WKLG 1650 FT	5002/ ST / FT	6169573	6227 15 5		337

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

Always indicate the item number when ordering.

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/m	
WKLG 1650 VA4571	5002/ V4A	5910015	6227 17 6		481
WKLG 1660 FS	6002/ ST / FS	6169337	6227 07 4		337
WKLG 1660 FT	6002/ ST / FT	6169634	6227 16 3		337
WKLG 1660 VA4571	6002/ V4A	5910022	6227 17 8		481
				/pc.	
WKLK 2020 FT	200/ St / FT	6176892	6233 72 4		344
WKLK 2030 FT	300/ St / FT	6176953	6233 73 2		344
WKLK 2040 FT	400/ St / FT	6177011	6233 74 0		344
WKLK 2050 FT	500/ St / FT	6177073	6233 75 9		344
WKLK 2060 FT	600/ St / FT	6177134	6233 76 7		344
				/m	
WKSG 120 FS	2002/ ST / FS	6351435	6098 11 1		328
WKSG 120 FT	2002/ ST / FT	6351732	6098 14 1		328
WKSG 120 VA 4301	2002/ V2A	5683506	6098 16 1		440
WKSG 130 FS	3002/ ST / FS	6351497	6098 11 5		328
WKSG 130 FT	3002/ ST / FT	6370030	6098 14 5		328
WKSG 130 VA 4301	3002/ V2A	5683513	6098 16 5		440
WKSG 140 FS	4002/ ST / FS	6351558	6098 11 9		328
WKSG 140 FT	4002/ ST / FT	6034277	6098 14 9		328
WKSG 140 VA 4301	4002/ V2A	5683520	6098 16 9		440
WKSG 150 FS	5002/ ST / FS	6351619	6098 12 3		328
WKSG 150 FT	5002/ ST / FT	6034031	6098 15 3		328
WKSG 150 VA 4301	5002/ V2A	5683568	6098 17 3		440
WKSG 160 FS	6002/ ST / FS	6351671	6098 12 7		328
WKSG 160 FT	6002/ ST / FT	6033973	6098 15 7		328
WKSG 160 VA 4301	6002/ V2A	5683575	6098 17 7		440
WKSG 162 FS	2002/ ST / FS	6334810	6098 50 1		331
WKSG 162 FT	2002/ ST / FT	6810734	6098 55 0		331
WKSG 162 VA 4301	2002/ V2A	5683582	6098 57 1		442
WKSG 163 FS	3002/ ST / FS	6812059	6098 50 5		331
WKSG 163 FT	3002/ ST / FT	6766390	6098 55 4		331
WKSG 163 VA 4301	3002/ V2A	5683599	6098 57 3		442
WKSG 164 FS	4002/ ST / FS	6808939	6098 50 9		331
WKSG 164 FT	4002/ ST / FT	6766451	6098 55 8		331
WKSG 164 VA 4301	4002/ V2A	5683605	6098 57 5		442
WKSG 165 FS	5002/ ST / FS	6808397	6098 51 3		331
WKSG 165 FT	5002/ ST / FT	6656059	6098 56 2		331
WKSG 165 VA 4301	5002/ V2A	5683612	6098 57 7		442
WKSG 166 FS	6002/ ST / FS	6808335	6098 51 7		331
WKSG 166 FT	6002/ ST / FT	6656295	6098 56 6		331
WKSG 166 VA 4301	6002/ V2A	5683629	6098 57 9		442
				/pc.	
WKV 35 FS	35/ ST / FS	6050116	6043 03 8		227
WKV 60 FS	60/ ST / FS	6050178	6043 06 2		241
WKV 60 FT	60/ ST / FT	6990382	6042 91 0		241
WLB 90 112 FS	200/ ST / FS	6301874	6312 33 0		335
WLB 90 112 FT	200/ ST / FT	6302178	6312 43 8		335
WLB 90 112VA4301	200/ V2A	6121151	6312 53 9		446
WLB 90 112VA4571	200/ V4A	5910251	6312 55 0		480
WLB 90 113 FS	300/ ST / FS	6301935	6312 34 9		335
WLB 90 113 FT	300/ ST / FT	6302239	6312 44 6		335
WLB 90 113VA4301	300/ V2A	6121212	6312 54 1		446
WLB 90 113VA4571	300/ V4A	5910268	6312 55 2		480
WLB 90 114 FS	400/ ST / FS	6301997	6312 35 7		335
WLB 90 114 FT	400/ ST / FT	6302291	6312 45 4		335
WLB 90 114VA4301	400/ V2A	6901999	6312 54 3		446
WLB 90 114VA4571	400/ V4A	5910312	6312 55 4		480
WLB 90 115 FS	500/ ST / FS	6302055	6312 36 5		335
WLB 90 115 FT	500/ ST / FT	6302352	6312 46 2		335
WLB 90 115VA4301	500/ V2A	6121274	6312 54 5		446
WLB 90 115VA4571	500/ V4A	5910329	6312 55 6		480
WLB 90 116 FS	600/ ST / FS	6302116	6312 37 3		335
WLB 90 116 FT	600/ ST / FT	6302413	6312 47 0		335
WLB 90 116VA4301	600/ V2A	6121335	6312 54 7		446
WLB 90 116VA4571	600/ V4A	5910350	6312 55 8		480
WLB 90 162 FS	200/ ST / FS	6171798	6229 33 6		339
WLB 90 162 FT	200/ ST / FT	6172092	6229 42 5		339
WLB 90 162VA4571	200/ V4A	5910084	6229 50 0		481
WLB 90 163 FS	300/ ST / FS	6171859	6229 34 4		339
WLB 90 163 FT	300/ ST / FT	6172153	6229 43 3		339
WLB 90 163VA4571	300/ V4A	5910114	6229 50 2		481
WLB 90 164 FS	400/ ST / FS	6171910	6229 35 2		339
WLB 90 164 FT	400/ ST / FT	6172214	6229 44 1		339
WLB 90 164VA4571	400/ V4A	5910121	6229 50 4		481
WLB 90 165 FS	500/ ST / FS	6171972	6229 36 0		339
WLB 90 165 FT	500/ ST / FT	6172276	6229 46 8		339
WLB 90 165VA4571	500/ V4A	5910138	6229 50 6		481
WLB 90 166 FS	600/ ST / FS	6172030	6229 37 9		339
WLB 90 166 FT	600/ ST / FT	6172337	6229 47 6		339
WLB 90 166VA4571	600/ V4A	5910145	6229 50 8		481

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
WLB 90 2020 FT	200/ ST / FT	6176298	6233 42 2		344
WLB 90 2030 FT	300/ ST / FT	6176359	6233 43 0		344
WLB 90 2040 FT	400/ ST / FT	6176410	6233 44 9		344
WLB 90 2050 FT	500/ ST / FT	6176472	6233 45 7		344
WLB 90 2060 FT	600/ ST / FT	6176533	6233 46 5		344
WLBF 90 162 FT	200/ ST / FT	6174492	6230 72 5		339
WLBF 90 163 FT	300/ ST / FT	6174553	6230 73 3		339
WLBF 90 164 FT	400/ ST / FT	6174614	6230 74 1		339
WLBF 90 165 FT	500/ ST / FT	6174676	6230 76 8		339
WLBF 90 166 FT	600/ ST / FT	6174737	6230 77 6		339
WLBS 90 162 FT	200/ ST / FT	6173891	6230 42 3		339
WLBS 90 163 FT	300/ ST / FT	6173952	6230 43 1		339
WLBS 90 164 FT	400/ ST / FT	6174010	6230 45 8		339
WLBS 90 165 FT	500/ ST / FT	6174072	6230 46 6		339
WLBS 90 166 FT	600/ ST / FT	6174133	6230 47 4		339
WLK 1120 FT	200/ ST / FT	6303311	6312 93 4		336
WLK 1130 FT	300/ ST / FT	6303373	6312 94 2		336
WLK 1140 FT	400/ ST / FT	6303434	6312 95 0		336
WLK 1150 FT	500/ ST / FT	6303496	6312 96 9		336
WLK 1160 FT	600/ ST / FT	6303557	6312 97 7		336
WLT 1120 FS	200/ ST / FS	6302475	6312 63 2		336
WLT 1120 FT	200/ ST / FT	6302710	6312 71 3		336
WLT 1120 VA4301	/ V2A	6121397	6312 80 2		446
WLT 1120 VA4571	200/ V4A	5910367	6312 81 5		480
WLT 1130 FS	300/ ST / FS	6302536	6312 64 0		336
WLT 1130 FT	300/ ST / FT	6302772	6312 72 1		336
WLT 1130 VA4301	/ V2A	6121458	6312 80 4		446
WLT 1130 VA4571	300/ V4A	5910374	6312 81 7		480
WLT 1140 FS	400/ ST / FS	6302598	6312 65 9		336
WLT 1140 FT	400/ ST / FT	6302833	6312 74 8		336
WLT 1140 VA4301	/ V2A	6121519	6312 80 6		446
WLT 1140 VA4571	400/ V4A	5910381	6312 81 9		480
WLT 1150 FS	500/ ST / FS	6304271	6312 66 7		336
WLT 1150 FT	500/ ST / FT	6302895	6312 75 6		336
WLT 1150 VA4301	/ V2A	6121571	6312 80 8		446
WLT 1150 VA4571	500/ V4A	5910435	6312 82 1		480
WLT 1160 FS	600/ ST / FS	6302659	6312 67 5		336
WLT 1160 FT	600/ ST / FT	6302956	6312 76 4		336
WLT 1160 VA4301	/ V2A	6783250	6312 81 0		446
WLT 1160 VA4571	600/ V4A	5910442	6312 82 3		480
WLT 1620 FT	200/ ST / FT	6172696	6229 72 7		339
WLT 1620 VA4571	200/ V4A	5910183	6229 82 0		481
WLT 1630 FT	300/ ST / FT	6172757	6229 73 5		339
WLT 1630 VA4571	300/ V4A	5910190	6229 82 2		481
WLT 1640 FT	400/ ST / FT	6172818	6229 74 3		339
WLT 1640 VA4571	400/ V4A	5910206	6229 82 4		481
WLT 1650 FT	500/ ST / FT	6172870	6229 75 1		339
WLT 1650 VA4571	500/ V4A	5910237	6229 82 6		481
WLT 1660 FT	600/ ST / FT	6172931	6229 77 8		339
WLT 1660 VA4571	600/ V4A	5910244	6229 82 8		481
WLT 2020 FT	200/ ST / FT	6176595	6233 62 7		344
WLT 2030 FT	300/ ST / FT	6176656	6233 63 5		344
WLT 2040 FT	400/ ST / FT	6176717	6233 64 3		344
WLT 2050 FT	500/ ST / FT	6176779	6233 65 1		344
WLT 2060 FT	600/ ST / FT	6176830	6233 67 8		344
WP 30 35 5000 FT	5000/ St / FT	5614159	6373 10 3		206
WP 30 35 FT	2000/ ST / FT	6199754	6373 10 0		206
				/m	
WP 40 65 FT	5000/ ST / FT	6199693	6373 07 0		206
WP 40 65 VA4301	5000/ V2A	6199631	6373 06 2		415
				/pc.	
WPK SL OR	Pastel orange/ PE	5668107	6372 89 8		207
WPK SL OR	Pastel orange/ PE	5668107	6372 89 8		415
WPK SR OR	Pastel orange/ PE	5668091	6372 88 1		207
WPK SR OR	Pastel orange/ PE	5668091	6372 88 1		415
WRAA 120 FS	200/ ST / FS	6352395	6098 40 5		329
WRAA 120 FT	200/ ST / FT	6001033	6098 44 5		329
WRAA 130 FS	300/ ST / FS	6352456	6098 40 9		329
WRAA 130 FT	300/ ST / FT	6001095	6098 44 9		329
WRAA 140 FS	400/ ST / FS	6352517	6098 41 3		329
WRAA 140 FT	400/ ST / FT	6001156	6098 45 3		329
WRAA 150 FS	500/ ST / FS	6352579	6098 41 7		329
WRAA 150 FT	500/ ST / FT	6001217	6098 45 7		329
WRAA 160 FS	600/ ST / FS	6000975	6098 42 1		329
WRAA 160 FT	600/ ST / FT	6001279	6098 46 1		329
WRAA 162 FS	200/ ST / FS	6656653	6098 80 0		333
WRAA 162 FT	200/ ST / FT	6335770	6098 82 7		333
WRAA 163 FS	300/ ST / FS	6656714	6098 80 4		333

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)

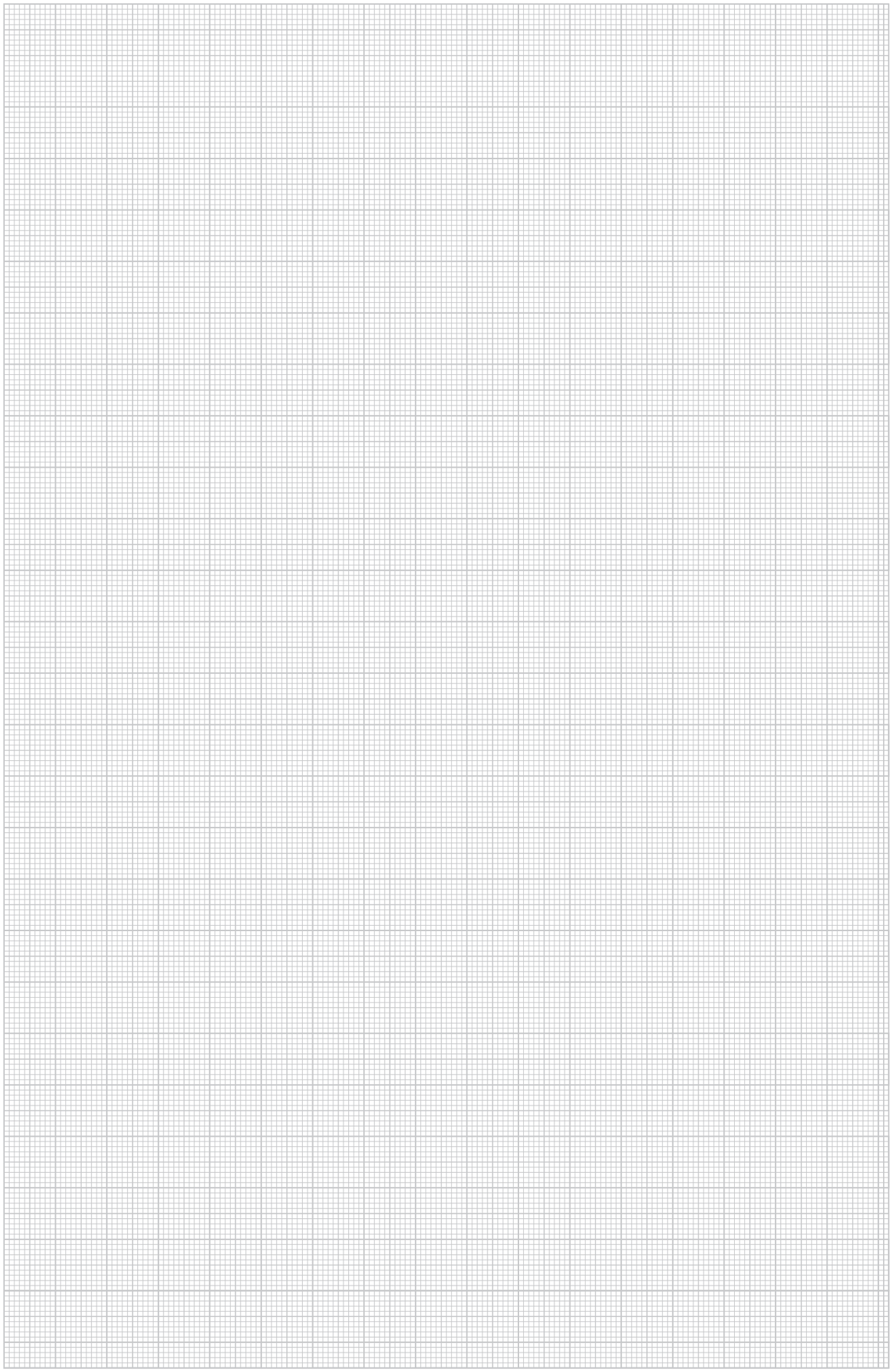
Type listing

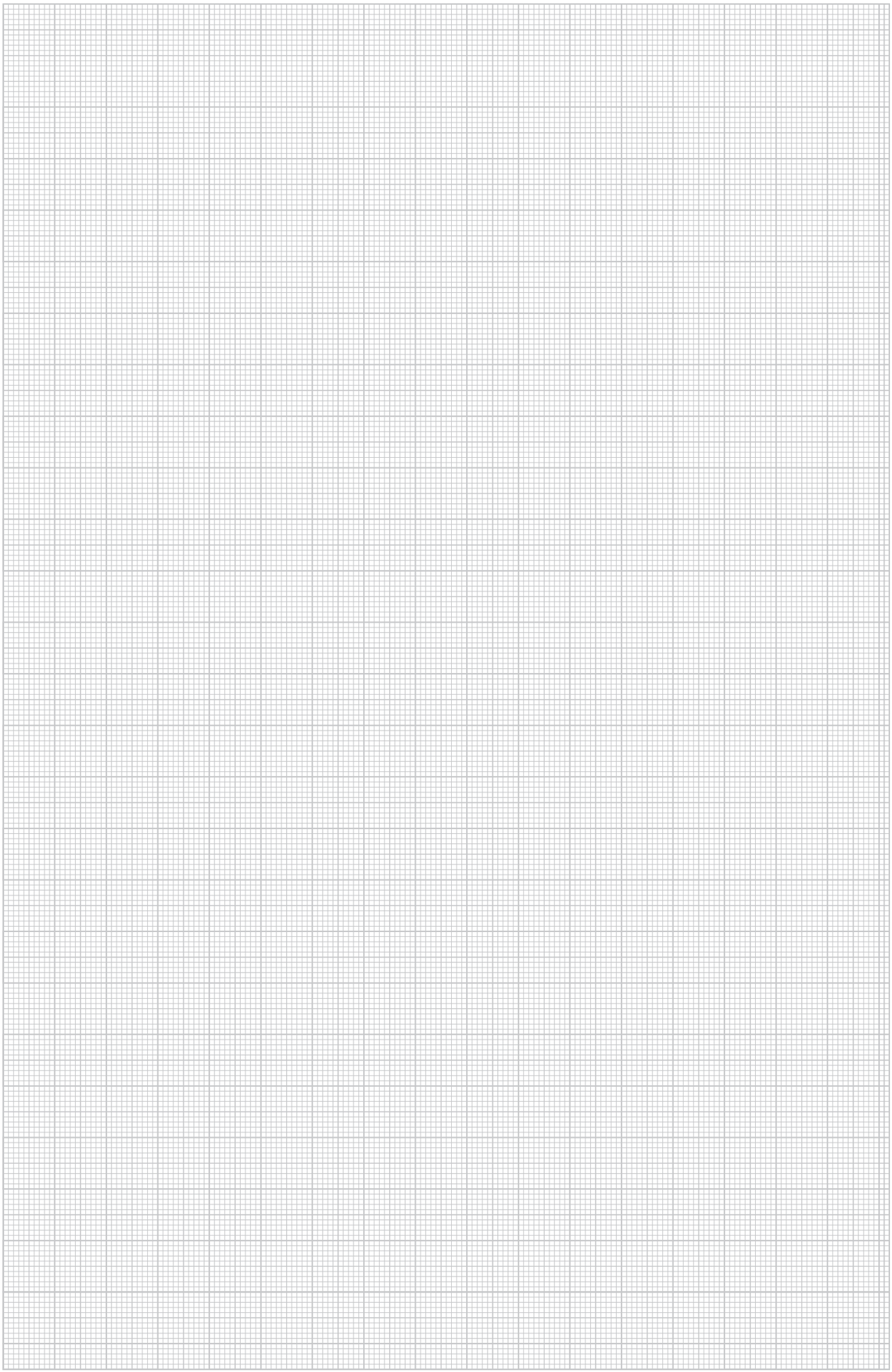
Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
WRAA 163 FT	300/ ST / FT	6335831	6098 83 1		333
WRAA 164 FS	400/ ST / FS	6335596	6098 80 8		333
WRAA 164 FT	400/ ST / FT	6335893	6098 83 5		333
WRAA 165 FS	500/ ST / FS	6335657	6098 81 2		333
WRAA 165 FT	500/ ST / FT	6656776	6098 83 9		333
WRAA 166 FS	600/ ST / FS	6335718	6098 81 6		333
WRAA 166 FT	600/ ST / FT	6657018	6098 84 3		333
WRB 90 120 FS	200/ St / FS	6033676	6098 30 4		329
WRB 90 120 FT	200/ ST / FT	6352159	6098 34 4		329
WRB 90 130 FS	300/ St / FS	6351916	6098 30 8		329
WRB 90 130 FT	300/ ST / FT	6352210	6098 34 8		329
WRB 90 140 FS	400/ St / FS	6351978	6098 31 2		329
WRB 90 140 FT	400/ ST / FT	6624737	6098 35 2		329
WRB 90 150 FS	500/ St / FS	6352036	6098 31 6		329
WRB 90 150 FT	500/ ST / FT	6352272	6098 35 6		329
WRB 90 160 FS	600/ St / FS	6352098	6098 32 0		329
WRB 90 160 FT	600/ ST / FT	6352333	6098 36 0		329
WRB 90 162 FS	200/ St / FS	6335237	6098 70 3		332
WRB 90 162 FT	200/ ST / FT	6335534	6098 73 0		332
WRB 90 163 FS	300/ St / FS	6335299	6098 70 7		332
WRB 90 163 FT	300/ ST / FT	6656417	6098 73 4		332
WRB 90 164 FS	400/ St / FS	6335350	6098 71 1		332
WRB 90 164 FT	400/ ST / FT	6656479	6098 73 8		332
WRB 90 165 FS	500/ St / FS	6335411	6098 71 5		332
WRB 90 165 FT	500/ ST / FT	6656530	6098 74 2		332
WRB 90 166 FS	600/ St / FS	6335473	6098 71 9		332
WRB 90 166 FT	600/ ST / FT	6656592	6098 74 6		332
WRGV 110 FS	110/ ST / FS	6299294	6091 31 8		328
WRGV 110 FS	110/ ST / FS	6299294	6091 31 8		335
WRGV 110 FT	110/ ST / FT	6299355	6091 33 4		328
WRGV 110 FT	110/ ST / FT	6299355	6091 33 4		335
WRGV 110 VA4301	110/ V2A	6897018	6091 33 8		441
WRGV 110 VA4301	110/ V2A	6897018	6091 33 8		445
WRGV 110 VA4571	110/ V4A	5403081	6091 34 3		480
WRGV 160 FS	160/ ST / FS	6171071	6227 95 3		332
WRGV 160 FS	160/ ST / FS	6171071	6227 95 3		338
WRGV 160 FT	160/ ST / FT	6171132	6227 96 1		332
WRGV 160 FT	160/ ST / FT	6171132	6227 96 1		338
WRGV 160 VA4301	160/ V2A	5696407	6227 96 5		443
WRV 200 FT	200/ ST / FT	6175574	6232 50 7		342
WRVL 110 FS	110/ ST / FS	6299171	6091 16 4		328
WRVL 110 FS	110/ ST / FS	6299171	6091 16 4		334
WRVL 110 FT	110/ ST / FT	6299232	6091 18 0		328
WRVL 110 FT	110/ ST / FT	6299232	6091 18 0		334
WRVL 110 VA4301	110/ V2A	6901814	6091 22 9		440
WRVL 110 VA4301	110/ V2A	6901814	6091 22 9		444
WRVL 110 VA4571	110/ V4A	5403074	6091 23 4		480
WRVL 160 FS	160/ ST / FS	6170470	6227 70 8		331
WRVL 160 FS	160/ ST / FS	6170470	6227 70 8		337
WRVL 160 FT	160/ ST / FT	6170531	6227 71 6		331
WRVL 160 FT	160/ ST / FT	6170531	6227 71 6		337
WRVL 160 VA4301	160/ V2A	5684107	6227 72 4		442
WRVL 160 VA4571	160/ V4A	5910077	6227 73 0		481
WRWV 160 A FS	160/ ST / FS	6170838	6227 85 6		332
WRWV 160 A FS	160/ ST / FS	6170838	6227 85 6		338
WRWV 160 A FT	160/ ST / FT	6170890	6227 86 4		332
WRWV 160 A FT	160/ ST / FT	6170890	6227 86 4		338
WRWV 160 A V2A	160/ V2A	5696353	6227 86 8		443
WRWV 160 I FS	160/ ST / FS	6170951	6227 90 2		331
WRWV 160 I FS	160/ ST / FS	6170951	6227 90 2		337
WRWV 160 I FT	160/ ST / FT	6171019	6227 91 0		331
WRWV 160 I FT	160/ ST / FT	6171019	6227 91 0		337
WRWV 160 I V2A	160/ V2A	5696360	6227 91 4		443
WRWV 200 A FT	200/ ST / FT	6175758	6232 60 4		342
WRWV 200 I FT	200/ ST / FT	6175819	6232 61 2		342
WRWV 200 V FT	200/ ST / FT	6175932	6232 66 3		343
WRWVK 110 FS	110/ ST / FS	6309610	6091 37 7		328
WRWVK 110 FS	110/ ST / FS	6309610	6091 37 7		334
WRWVK 110 VA4301	110/ V2A	6309672	6091 39 3		328
WRWVK 110 VA4301	110/ V2A	6309672	6091 39 3		334
WRWVK 110 VA4301	110/ V2A	6309672	6091 39 3		441
WRWVK 110 VA4301	110/ V2A	6309672	6091 39 3		445
WRWVK 110 VA4571	110/ V4A	5403111	6091 39 7		480
WRWVK 160 FS	160/ ST / FS	5767701	6227 83 2		331
WRWVK 160 FS	160/ ST / FS	5767701	6227 83 2		337
WRWVK 160 VA4301	160/ V2A	5767923	6227 83 6		331
WRWVK 160 VA4301	160/ V2A	5767923	6227 83 6		337
WRWVK 160 VA4301	160/ V2A	5767923	6227 83 6		443

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
				/pc.	
WSK 40 100 FT	954/ ST / FT	6007455	6008 10 0		355
WSK 40 110 FT	1054/ ST / FT	6007516	6008 11 9		355
WSK 40 120 FT	1154/ ST / FT	6007578	6008 12 7		355
WSK 40 40 FT	354/ ST / FT	6007097	6008 04 6		355
WSK 40 50 FT	454/ ST / FT	6007158	6008 05 4		355
WSK 40 60 FT	554/ ST / FT	6007219	6008 06 2		355
WSK 40 70 FT	654/ ST / FT	6007271	6008 07 0		355
WSK 40 80 FT	754/ ST / FT	6007332	6008 08 9		355
WSK 40 90 FT	854/ ST / FT	6007394	6008 09 7		355
WW 100 15 FS	/ ST / FS	6608591	6015 36 0		161
WW 100 20 FS	/ ST / FS	6608652	6015 37 9		161
ZSF		5518419	2362 97 0		221
ZSF-P		5840909	2362 97 2		221

04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554)





04_KTS_Masterkatalog_Länder_2012 / en / 23/05/2013 (LLExport_01554) / 24/06/2013

Terms and conditions of sale and delivery of OBO BETTERMANN GmbH & Co. KG, OBO BETTERMANN Projekt und Systemtechnik GmbH and OBO Befestigungselemente GmbH, Menden.

1. All our supplies and services shall be governed exclusively by the following terms and conditions, including our additional terms and conditions for cable tray business transactions. Any terms and conditions of business and purchasing of the customer shall be valid only if we have acknowledged them in writing. Our quotations are without engagement; they are mere invitations to submit contract offers. Any and all transactions and agreements, including those entered into by our employees and agents shall only be binding upon our written confirmation or invoicing. The foregoing provision shall also apply to any modifications of the agreed formal requirements.

2. The documents and data pertaining to the quotation, such as illustrations, brochures, drawings, dimensions, loading capacity values and weight details are approximate only, unless they are expressly stipulated to be binding.

Samples are non-binding samples for inspection. Any purchase according to sample will be subject to customary deviations and deviations resulting from normal production processes. The properties of the sample shall be no guaranteed quality of the purchase object unless expressly stated otherwise in the confirmation of order. Samples must be returned to us at the latest within four weeks in perfect condition. If they are not returned within this period in proper condition, we shall be entitled to charge the purchase price for the sample in accordance with our current price list. All information on our products, in particular the illustrations, drawings, weight, dimension and performance data included in our quotations and printed matter shall be regarded as approximate average values and shall not represent any quality guarantee.

With regard to products made according to customer drawings, samples and other instructions of the customer, we will not provide any warranty nor assume any liability for the due and proper functioning of the product or for any other defects if and to the extent they are based upon the customer's specifications. The customer shall indemnify us from any third party claims, including claims for product liability as may be asserted against us for damages resulting from the products unless we have caused such damages by intent or gross negligence. The customer shall warrant that the manufacture and supply of products made in accordance with his instructions will not infringe any proprietary rights of third parties. Should any proprietary rights be asserted against us, we shall be entitled, without any legal review of the third party claims, to withdraw from the contract after hearing the customer, unless the third party withdraws the claims asserted against us under its proprietary rights within eight days by written declaration. The customer shall compensate us for any damage sustained as a result of the assertion of proprietary rights. In case of withdrawal, the work we have carried out so far shall be remunerated. Further rights under the statutory provisions shall not be affected thereby.

Any moulds, tools and design data produced by us for the execution of the order shall be our exclusive property. Unless expressly agreed otherwise, the customer shall not have any claims thereto, even if he has contributed to the costs of producing any such moulds, tools and design data.

3. The packing, shipping route and means of transportation shall be left to our discretion in the absence of any other agreements. They shall be charged at their cost price. We will take back undamaged cases, when being returned carriage paid, at 2/3 of the amount invoiced. The one-way or pool pallets used for transport shall be either exchanged upon taking delivery or returned. The smallest packing units stocked and listed may not be broken up for rationalisation reasons. In case of orders for different quantities, the nearest packing unit will be supplied.

We reserve the right to deviate from the agreed delivery quantity, in particular in the case of custom-made products, to a customary extent or in conformity with national or international standards. In case of a demand for adhering to a precise quantity, an express reference is necessary and subject to confirmation.

Master and call orders shall oblige the customer to accept the total quantity on which the master/call order is based. Where no particular call orders are specified in the contract, the total quantity of the master call order must be called within twelve months. If the customer fails to adhere to call deadlines, we shall be entitled to deliver and charge the total quantity in full after four weeks from written notice with reference to the consequences of any failure to call. Our rights arising from any default of the customer shall not be affected thereby.

4. Unless otherwise agreed, our prices are quoted ex works and do not include packing and insurance. The value added tax at the rate applicable on the date of dispatch will be added to our prices. The purchaser shall ensure the correctness of his VAT identification number, which he must notify to us immediately without being asked. He shall undertake to inform both us and the competent domestic tax authority without delay of any change in his name, address and VAT identification number.

Delivery shall be franco domicile within Germany, i.e. carriage and packing prepaid, if the net order value is in excess of € 1,200. For small orders below € 100 (net excluding value added tax), we shall invoice a lower quantity surcharge of € 10 (net) per order. Upon transfer of our supplies and services to a carrier or forwarding agent, at the latest upon their leaving our warehouse or supply plant, the risk shall pass to the recipient, even in case of deliveries free place of destination.

5. Delivery periods and delivery deadlines shall be approximate only unless we have expressly stated in writing that they are binding. Delivery periods shall commence upon receipt of our confirmation of order, but not before clarification of all execution details, ex place of delivery. The customer shall only be entitled to withdraw from the contract after having granted a reasonable extension of time. We reserve the right to make partial deliveries. Claims for damages and reimbursement of expenses - for any reason whatsoever - shall be subject to the provisions set out in article 10.

In the event of any circumstances that are beyond our control within the scope of normal operating risks and obstruct or make impracticable any delivery, we shall be entitled to suspend delivery by the duration of such obstruction plus a reasonable start-up period or to withdraw from the contract for the part not yet fulfilled. The purchaser can demand a statement from us as to whether we wish to deliver within a reasonable period or withdraw. If we fail to make such a statement, the purchaser may withdraw. Our notice to the purchaser shall be deemed to be sufficient evidence that we have been prevented from delivering.

Delivery time is extended in case of such events as labour disputes, strikes and lockouts, orders from the authorities, difficulties with the procurement of materials, spoiled work or post-processing, shutdowns and staff shortage as well as shortage of means of transport, and general occurrence of unforeseen events beyond our scope of influence, by the length of duration of these events.

6. Payments shall be made upon receipt of invoice less a 3% cash discount for payment within 10 days or net after 30 days from date of invoice. Erection work and all paid labour work must be paid within 10 days without deduction of any cash discount. In case of non-cash payments, the date of the credit note will be deemed to be the date of receipt of payment. Payments received shall always be credited first against costs, then against interest and then against the earliest liability. Cheques and bills of exchange shall only be accepted as means of payment.

Any payment by bill of exchange shall be subject to a prior separate and written agreement, whereby all bill costs shall be borne by the customer and no discount can be granted. The customer shall have no right to refuse performance and no right of retention - for any legal reason whatsoever - unless we have acknowledged his claim beforehand in writing or his claim has the force of law.

The customer shall only be entitled to set off claims which have the force of law, are undisputed or acknowledged by us in writing.

7. We shall retain title to the goods supplied by us until all our claims arising from our business transactions with the customer have been satisfied - current account clause - and all bills of exchange or cheques submitted for payment by the customer have been honoured.

Any treatment or processing of goods subject to our retention of title (reserved goods) shall be carried out for us as the manufacturer in accordance with § 950 BGB (German Civil Code) without any obligation on our part. If our reserved goods are to be regarded as the main item or the main item is owned by the customer, full title to the new item shall pass to us when it is created. In other cases, we shall acquire a co-ownership interest in the new item in the proportion of the sales value of our reserved goods to the other goods used for the new item at the time of processing, intermingling, joining or mixing. The customer shall take custody of our ownership or co-ownership interest free of charge; it shall be treated as reserved goods.

Before transfer of title, our goods shall be neither pledged nor assigned as collateral without our prior consent. In addition, any third party rights or pledges shall be notified to us immediately and we shall be given all details and provided all documents necessary for intervention; otherwise the customer must bear our loss. In the latter case, our total claims against the customer shall also be immediately payable.

The customer shall be entitled to sell or to use our reserved goods in the ordinary course of business subject to the condition that the relevant claims are transferred in accordance with article 8 below. This right shall lapse upon the customer's failure to promptly meet his payment obligations towards us or in the event of any cheque or bill protests or his suspension of payments. In such cases, we shall be entitled to take back the goods provisionally at the customer's expense and to sell them at our duly exercised discretion after a corresponding reminder has been sent to the customer. We will then pass the due amount to the customer's credit.

8. If our goods are sold before payment of our claim, the customer shall be obliged to retain our title against his purchaser until the goods have been paid for in full by the purchaser. The claim arising against the purchaser from such resale as well as any other ancillary rights or security interests of the customer resulting from the sale and any claims for compensation in case of damage to or destruction of our reserved property, including the relevant insurance sum shall hereby be assigned to us. We hereby accept this assignment. Where our co-ownership interest is sold, the relevant claims shall be assigned in the amount corresponding to the value of our interest.

The customer shall, at our request, inform us of his purchasers, notify them of the assignment made and provide us with any and all documents required to assert our rights.

As long as the customer meets his contractual obligations without delay, he shall be authorised to collect the claims assigned. He shall keep the amounts collected on our behalf separately and remit them to us immediately as soon and as far as our claims become due. The authorisation shall lapse in case of any cheque or bill protest of the customer or his definite suspension of payments. The customer shall bear the costs incurred for any action taken against third parties and shall advance them upon request.

If the security provided to us by the retention of title and the anticipatory assignment should exceed the claims to be secured by more than 20%, we shall, at the customer's request, release paid supplies of our choice. Upon payment of all our claims by the customer, assigned claims shall pass to the customer.

9. Any complaints for obvious defects regarding the quantity or quality of our supplies and services that are identifiable upon careful inspection shall without delay, but at the latest within the period of limitation of eight days from arrival of the goods at the address of the customer or the person appointed by him, be notified in writing to us, not to our representatives. Slight deviations in dimensions and designs within the scope of defined technical tolerances shall not give rise to any right of complaint. Any rejected goods may only be returned to us with our prior written authorisation.

In case of justified complaints within the prescribed period, we shall, at our option, take remedial action by way of subsequent performance, by rectifying the defect, supplying non-defective goods or providing a credit note for the lower value calculated.

We shall be entitled to refuse subsequent performance in accordance with the statutory provisions. If we refuse subsequent performance, if any subsequent performance remains unsuccessful or if the customer cannot be reasonably expected to accept any subsequent performance, the latter shall be entitled to withdraw from the contract in compliance with the provisions of the following sentences. The customer shall only be entitled to withdraw from the contract - where a withdrawal is not excluded by law - upon the unsuccessful expiry of a reasonable period for subsequent performance set by him, unless this period was not required under the statutory provisions (§§ 281 para. 2, 323 para. 2, 440, 441 para. 1 BGB (German Civil Code)).

In case of his withdrawal, the customer shall be liable for any deterioration, destruction or loss of use resulting from any negligence or intent on his part. Any claims for damages or reimbursement of expenses of the customer shall be subject to the provisions set out in article 10.

In the case of any fraudulent concealment of a defect or in the case of any provision of a quality guarantee for the goods sold at the time of the passing of risk within the meaning of § 444 BGB (German Civil Code) (seller's declaration that the object sold has a specific property at the time of the passing of risk and that the seller, regardless of any fault on his part, intends to be answerable for any and all consequences resulting from its absence), the customer's rights shall be exclusively governed by the statutory provisions.

We shall - in addition to the statutory grounds for refusal - also be entitled to refuse subsequent performance if and as long as the customer fails to send us, at our request, the rejected goods or a sample thereof; the customer shall have no right of withdrawal for any such refusal. We may further refuse any subsequent performance if the goods concerned have been altered or modified without our consent unless the customer can prove that the defect was not caused by such alteration or modification.

The limitation period for any claims arising from defects shall be one year; in the case of goods which have been used in accordance with their intended purpose for a building and have caused its defectiveness, the limitation period shall be two years. The provisions of §§ 478, 479 BGB (German Civil Code) on recourse in the chain of suppliers shall not be affected thereby.

10. In the case of a pre-contractual, contractual or non-contractual breach of duty, including unsatisfactory delivery, tortious conduct and producer's liability, we shall only be liable for compensatory damages and reimbursement of expenses - subject to further contractual or statutory liability requirements - in the case of intent, gross negligence or slightly negligent breach of a material contractual duty (contractual duty the infringement of which jeopardises the fulfilment of the object of the contract). However - except in the case of intent - our liability shall be limited to the typical contractual damage that was foreseeable at the time the contract was entered into.

The purchaser shall not be permitted to make a claim for expenses incurred in vain.

Except for any breach of material duties, our liability for slight negligence shall be excluded, but in any case be limited to the amount of the purchase price.

Any claim asserted by the customer or a third party for payment of a contractual penalty shall be excluded.

With regard to damages caused by delay, we shall only be liable for slight negligence up to the amount of 5% of the purchase price agreed with us.

The exclusions and limitations of liability set forth above shall not apply in the event that a guarantee is given with respect to the quality of the object sold within the meaning of § 444 BGB (German Civil Code) if a defect is fraudulently concealed or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act.

Any and all claims for damages against us, for any legal reason whatsoever, shall become statute-barred at the latest after one year from delivery of the goods to the customer, in the case of tortious liability from the time of knowledge, or grossly negligent ignorance, of the circumstances giving rise to the claim and the person liable to pay damages. This provision shall not apply in the case of liability for intent and in the event that a guarantee is given for the quality of the object sold, in the case of fraudulent concealment of a defect or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act. Any shorter limitation periods shall take precedence.

11. We shall be entitled to process and store any customer data obtained with regard to or in connection with the business relationship in accordance with the German Federal Data Protection Act, irrespective of whether such data is provided by the purchaser himself or by any third parties.

12. Place of performance for delivery and payment is Menden/Sauerland. The court of competent jurisdiction for any and all disputes, including disputes with regard to bills of exchange and cheques, is the Local Court (Amtsgericht) of Menden or, at our option, the District Court (Landgericht) of Arnsberg, irrespective of the value of the object in dispute. We shall, however, also be entitled to take legal proceedings against the customer at the place of his registered office.

German law shall be exclusively applicable. The application of international purchase laws is hereby excluded.

Should, for any reason whatsoever, individual provisions of our terms and conditions of sale and delivery be invalid, the validity and binding nature of the other provisions shall not be affected thereby. The customer agrees, that the invalid provision shall be replaced by a valid provision that comes as close as possible to the economic meaning of the invalid provision.

13. The prices of products made of brass and copper are subject to certain fluctuations that are based on the relevant DEL listings. The prices of our brass articles are based on a DEL listing of € 150 for Ms 58, those of our copper products on a DEL value for electrolyte copper of € 200.

In case of any increase or reduction in these prices by more than € 15, a five per cent surcharge or deduction shall be made for each 15 points. The calculation of any such surcharges or deductions shall be based on the DEL listing of the date of our receipt of the order.

Valid from January 2010

QR-Code
With the QR Code you have direct access to our products on the Internet.

You can find further information on the QR Code at www.obo-bettermann.com.

OBO BETTERMANN GmbH & Co. KG
P.O. Box 1120
58694 Menden, Germany

Customer Service Germany
Tel. +49 (0)2373 891 500
Fax +49 (0)2373 897 777
E-mail: info@obo.de

www.obo-bettermann.com

© OBO BETTERMANN Order no. 9158031 06/2013 EN

THINK CONNECTED.