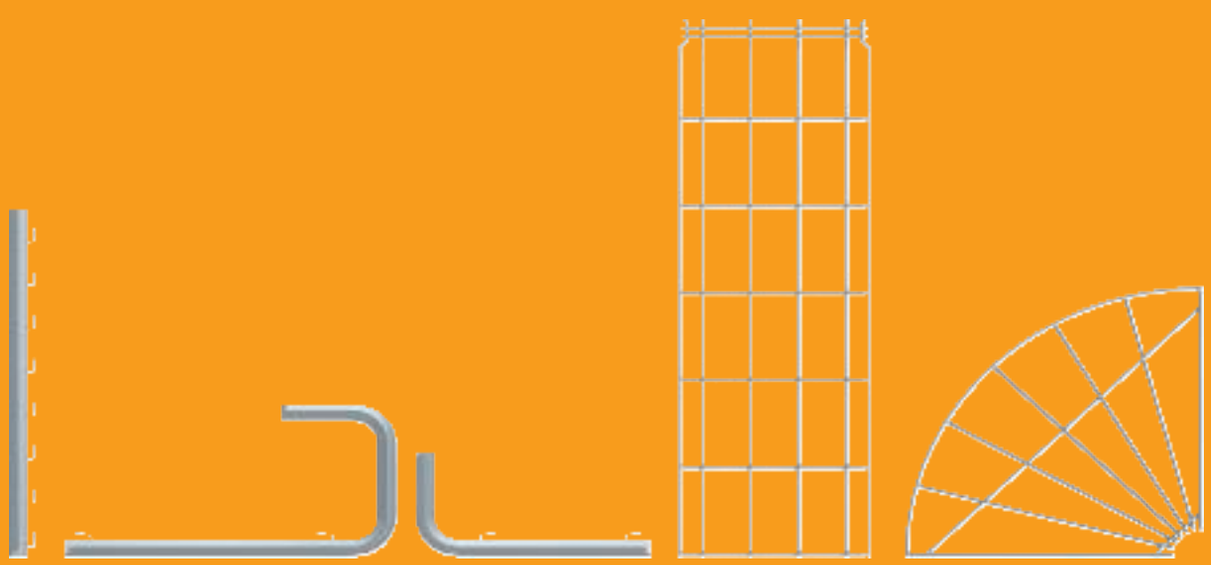


Mesh cable tray systems



OBO BETTERMANN

Quick
Screwless
Safe

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®, the Magic® G mesh cable tray and the C mesh cable tray with their various shapes, side heights, surfaces and range of accessories are ideal for satisfying the most varied cable routing requirements. The systems are well thought through and extremely efficient when in daily use.

Installation time is an important factor when it comes to choosing whether to buy a product or not. With the GR-Magic® mesh cable tray in both the standard design or as a G mesh cable tray, OBO Bettermann can offer a true system innovation. Thanks to the patented connection system developed by OBO, the mesh cable tray can be mounted in a matter of seconds – without any connectors or tools. Just connect the two parts and you're done. The system has therefore redefined the concepts of rapid mounting and flexibility.

OBO BETTERMANN



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Logical
The OBO mesh cable tray system

Magic® mesh cable tray



Side height mm	F Pre-galvanised	G Electro-galvanised	FT Hot-dip galvanised	A2 Stainless steel	A4 Stainless steel	*
35		✓	✓	✓	✓	
55	✓	✓	✓	✓	✓	
105		✓	✓	✓	✓	

F G FT A2 A4

For fixing on brackets, suspension fittings and spacer clamps

Magic® G mesh cable tray



Side height mm	G Electro-galvanised	FT Hot-dip galvanised	A2 Stainless steel	A4 Stainless steel	*
50	✓	✓	✓	✓	
75	✓	✓	✓	✓	
125	✓	✓	✓	✓	
150	✓	✓	✓	✓	

G FT A2 A4

For direct wall or ceiling mounting

C mesh cable tray



Side height mm	FT Hot-dip galvanised	A2 Stainless steel	*
50	✓	✓	

FT A2

For fixing on brackets, suspension fittings and spacer clamps

* Further combinations of surfaces and systems on request

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Magic® mesh cable tray

The new GR-Magic® mesh cable tray really speeds up installation and manages this with no loss of stability and load-bearing capacity. The moulded connectors for screwless quick mounting ensure extremely quick installation times, even for complex mounting operations. Load tests show that GR-Magic® systems can fully match up to traditional screw connections.

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, barrier strips, suspension profiles, brackets, etc., ensures that the product range is complete down to the smallest detail.

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Compliant with standards

The electrical properties are also first class: the values required by the VDE guidelines 0639 and in the new IEC/EN 61537 “Cable management. Cable tray systems and cable ladder systems” are achieved easily.

In addition, the system satisfies the stringent NEMA requirements for the American market. As a result, the GR-Magic® mesh cable tray can also be used as a protective conductor.



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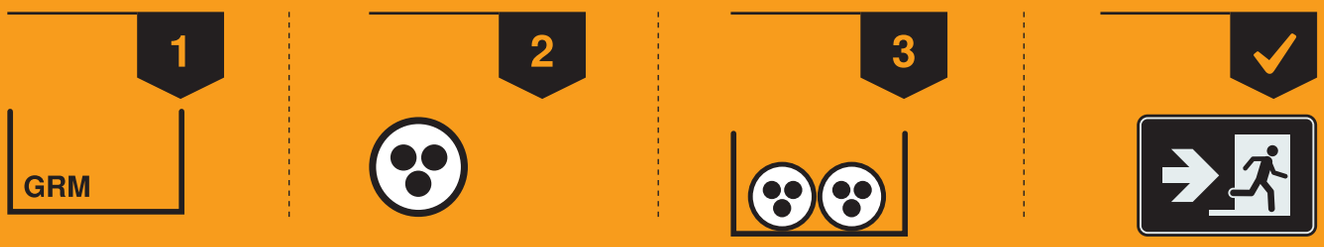
Function maintenance

1 **Laying system/support system:**
GRM screwless straight connection, fire-tested

2 **Safety cables:**
E30-E90

3 **Tested and approved cable system with function maintenance according to DIN 4102 Part 12**

✓ **Function maintenance with the GR-Magic®**



Function maintenance with the GR-Magic®

Besides rapid mounting and the wide range of applications, the GR- Magic® offers another key benefit: it can be used to maintain function for fire safety purposes in order to ensure supply to safety-related systems for a certain period of time in the event of a fire. The GR Magic® has proven its stability in an impressive manner in fire testing according to DIN 4102 Part 12.

This installation design was put through its paces with a cable load of 15 kg/m and a support distance of 1.5 m. Thanks to the GR-Magic®, a further support system is now available for which function maintenance comes assured.

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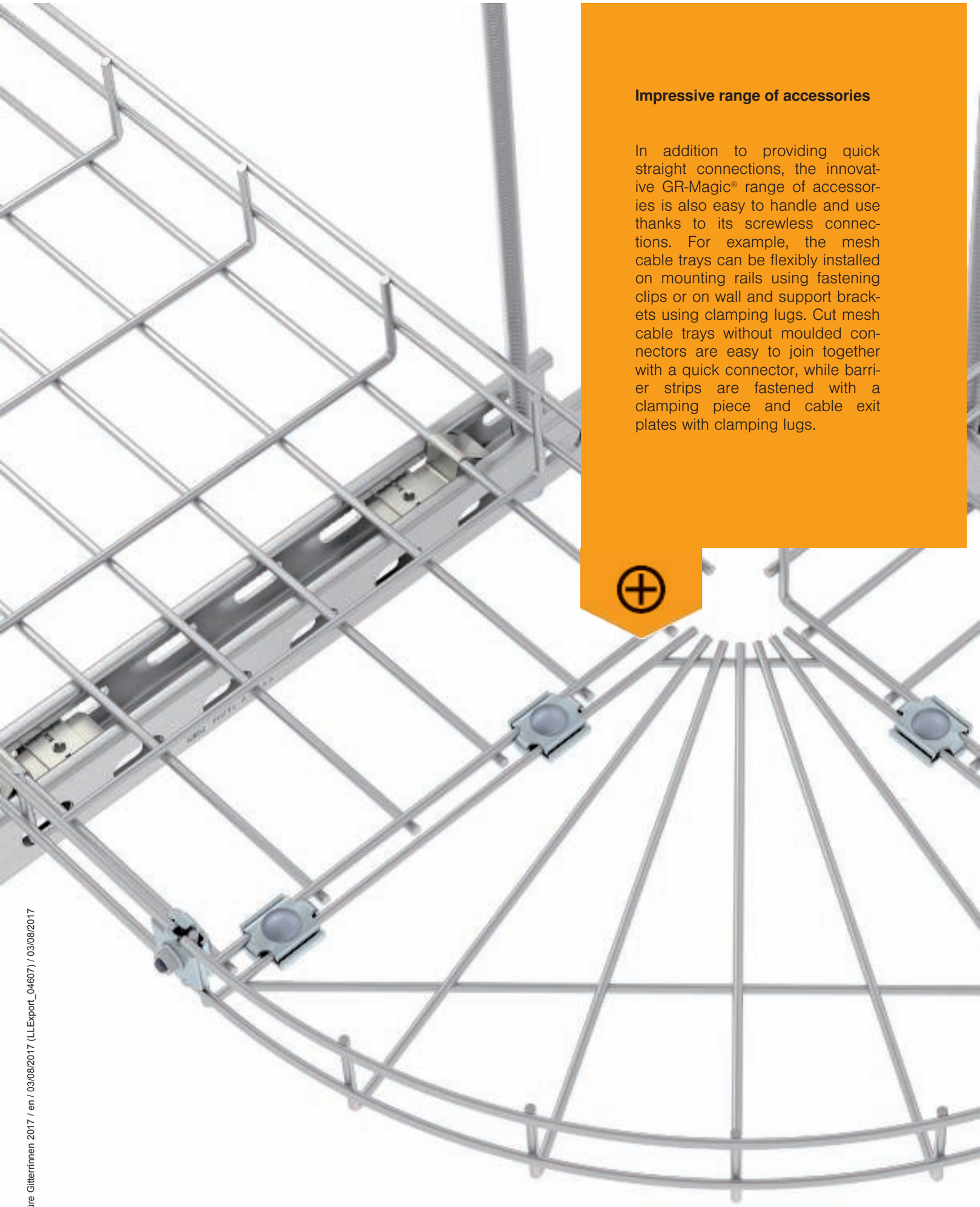

Impressive range of accessories

In addition to providing quick straight connections, the innovative GR-Magic® range of accessories is also easy to handle and use thanks to its screwless connections. For example, the mesh cable trays can be flexibly installed on mounting rails using fastening clips or on wall and support brackets using clamping lugs. Cut mesh cable trays without moulded connectors are easy to join together with a quick connector, while barrier strips are fastened with a clamping piece and cable exit plates with clamping lugs.

Magic down to the last detail

The system's effectiveness is provided by the perfectly formed mesh cable tray for screwless straight connection, complemented by the wide range of well-thought-out system components. The many lockable and clamp-on elements continue the basic principle of the Magic system down to the last detail. Exceptional ease of use is also a priority for all additional fastening and system components, for example when creating bends of different radii with special corner connectors.

1	
2	90° mesh cable tray bend
3	Quick connector
4	Mesh cable tray connector, long
5	Corner connector
6	Wall and central fastener
7	Mounting plate MPG
8	Wall and support bracket
9	Side holder
10	Centre suspension
11	Ceiling bracket, variable
12	Spacer clamp
13	Earthing terminal with earthing screw
14	Cable exit plate
15	Fastening element for junction boxes
16	Installation profile

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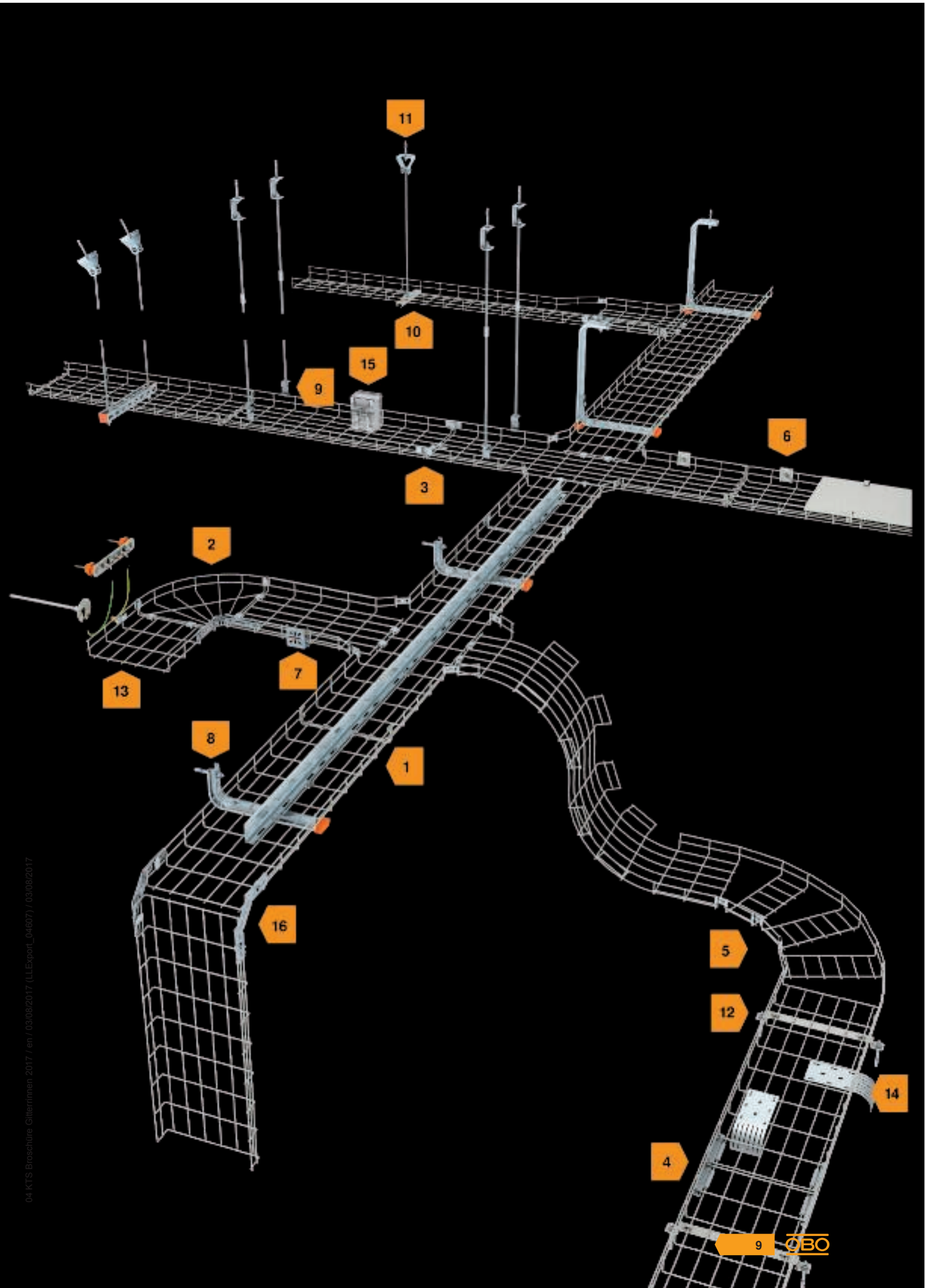

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As flexible as your work

Mesh cable trays cannot always be routed lengthways. Depending on the application, it is necessary to overcome structural obstacles or to make unusual changes of direction, horizontally and vertically. As the OBO mesh cable trays can be cut to size as required and the system has an extensive range of accessories, it can be adapted to any structural conditions.



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Reference

- Lieken Brot-und Backwaren GmbH
- Product: mesh cable tray in various widths and side heights
- Units: 2.5 km
- Location of use: industrial and administrative areas

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A variety of surfaces

The mesh cable trays are available in a wide variety of surface designs that enable them to be used both indoors and outdoors. For indoors, OBO has developed the electrogalvanised surface further and made it even more visually appealing. The result is the new OBO “Titan look”. This provides the mesh cable trays with an unmistakable, high-quality optical appearance, which closely resembles stainless steel – making it ideal for use in false ceilings and where in view.

For use in aggressive environments as well as in the food industry, OBO offers the GR mesh cable tray in the stainless steel 1.4301 and 1.4401 versions. The mesh cable trays are made from quality stainless steel wires and pickled in a subsequent process. This protects the wires against extreme chemical loads. As they are taste-neutral and resistant to cleaning agents, disinfectants and sterilisers, these mesh cable tray systems can also be used in the food industry.

F



F	
Surface	Hot galvanisation
Coating thickness	Average value approx. 8-10 µm
Standards	Galvanisation to DIN EN 10244-2
Location of use	Indoors

G



G	
Surface	Electrogalvanisation
Coating thickness	Average value approx. 2.5-10 µm
Standards	Electrolytic galvanisation in accordance with DIN EN 12329
Location of use	Indoors

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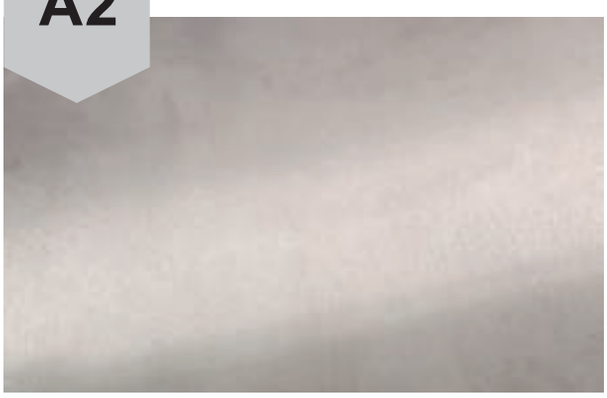
FT



FT	
Surface	Hot-dip galvanisation
Coating thickness	Average value approx. 40-60 µm
Standards	Galvanisation according to the hot-dip method to DIN EN ISO 1461
Location of use	Outdoors

A2



A2	
Material	Stainless steel A2
Designations	European material designation: 1.4301 American material designation: AISI 304
Special features	Welded components are also passivated; unwelded components are rinsed and degreased
Location of use	Industrial areas with high levels of humidity and aggressive atmosphere, food industry, chemical and pharmaceuticals industry

A4



A4	
Material	Stainless steel A4
Designations	European material designation: 1.4401/1.4404/1.4571 American material designation: AISI 316/316L/316Ti
Special features	Welded components are also passivated; unwelded components are rinsed and degreased
Location of use	Buildings or areas with almost constant condensation and high levels of impurities, coastal or offshore areas with high levels of salt

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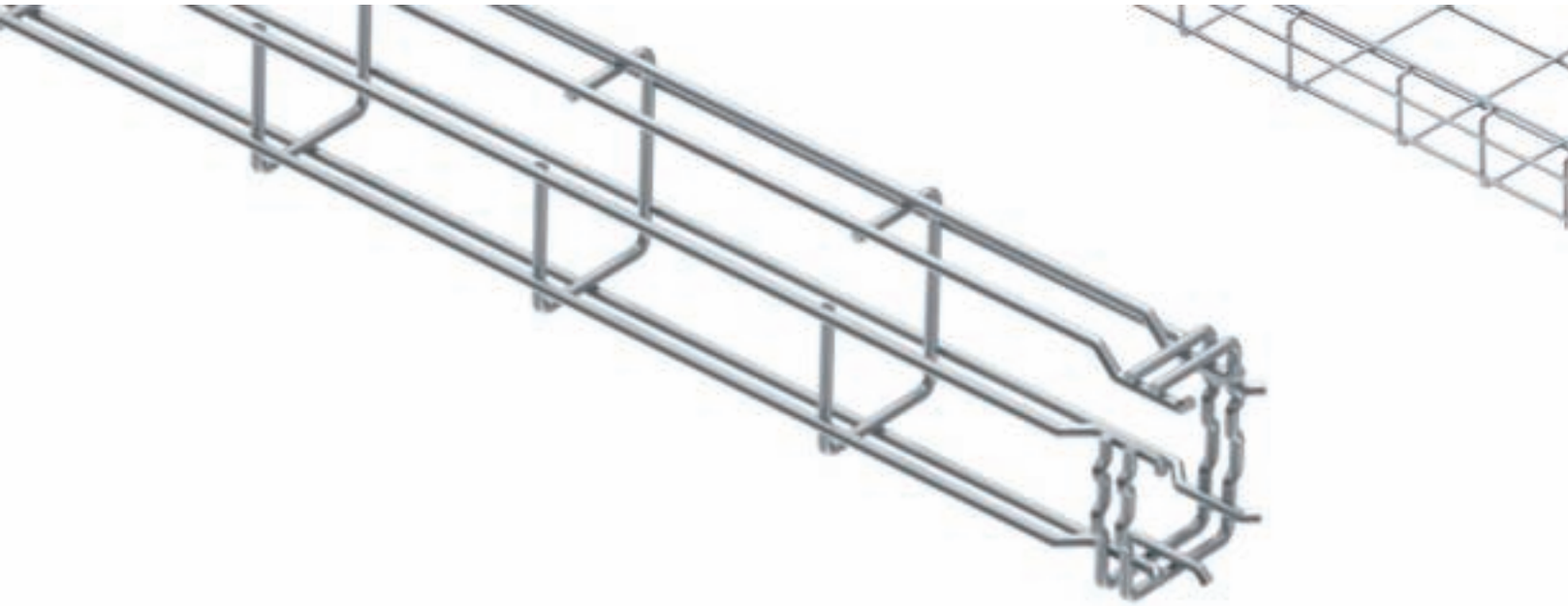


Magic® G mesh cable tray

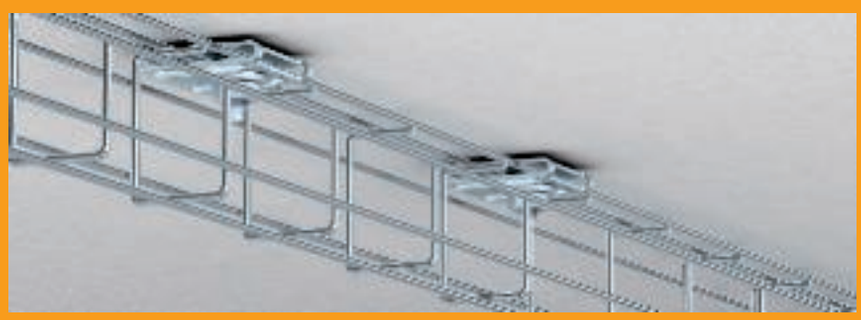
G FT A2 A4

The system for direct wall and ceiling mounting



Optimum room usage

Even if space is tight, the Magic® G mesh cable tray can be mounted almost anywhere. It can be attached directly to walls and ceilings in almost any position, providing optimum cable routing particularly in false ceilings, server rooms and office buildings. This system also scores highly thanks to its screwless design.



A variety of materials

Dry rooms, wet rooms, outdoor areas, the food industry or tunnel construction – the GR-Magic® has the right surface for any area. The product range runs from electrogalvanised and hot-dip galvanised right through to stainless steel variants.

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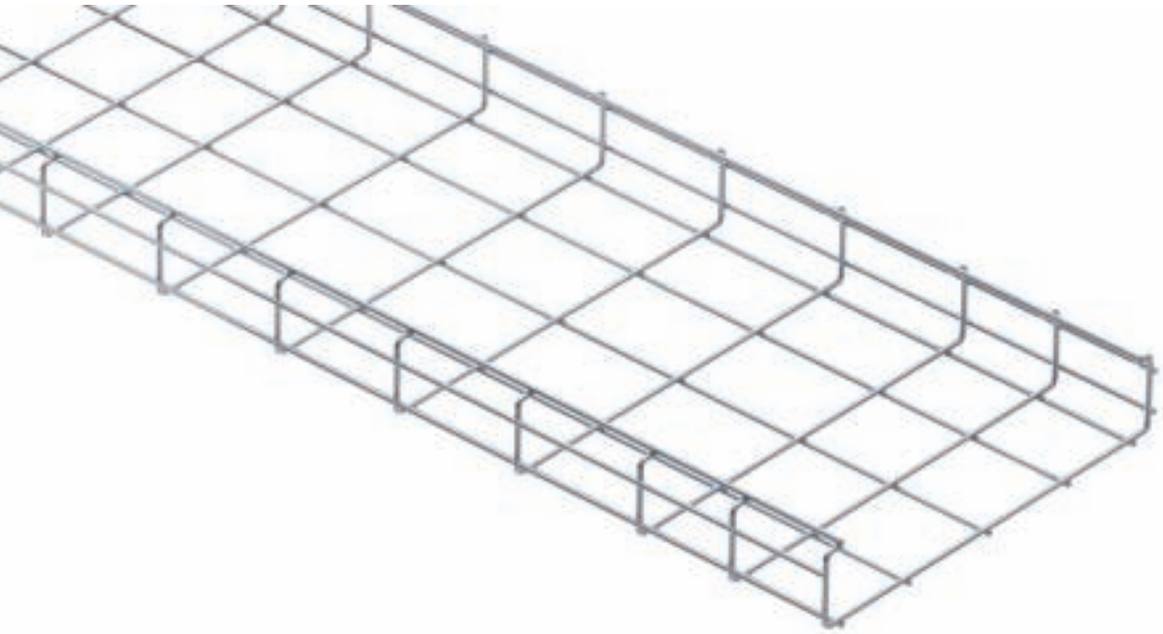

C mesh cable tray

FT A2

Maximum load-bearing capacity and versatility

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. With a side height of 50 mm and optimised accessories such as clamping pieces, barrier strips or installation profiles, the system is the perfect complement to OBO's complete mesh cable tray portfolio. It is used both in industry and in all other areas of professional electrical installations.



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Tested quality

The in-house BET Test Centre continually monitors and tests the quality of OBO products. Here, OBO simulates the loads that the mesh cable tray systems have to withstand on a constant basis. We determine the maximum load capacity and carrying capacity of the system, as well as its resistance to corrosion. We are able to prove standardised testing of EMC properties using test reports. In other words, OBO places paramount importance on safety.

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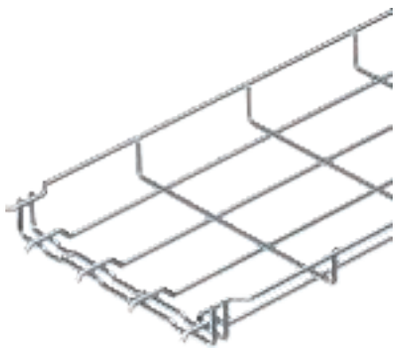
The KTS testing system was specially constructed for the testing of OBO Bettermann cable support systems. Thanks to its continuous further development and adaptation to the latest requirements, it can offer comprehensive testing options. For example, the tests required by DIN EN 61537 can be carried out. These prove the safe working load (SWL) and therefore the reliable load-bearing capacity of the systems. Tested quality without compromise – made by OBO.

GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 35 50 G	50	3.9	3	45.300	**6000060**
GRM 35 100 G	100	3.9	3	49.000	**6000062**
GRM 35 150 G	150	3.9	3	63.100	**6000063**
GRM 35 200 G	200	3.9	3	76.800	**6000064**
GRM 35 300 G	300	4.8	3	159.100	**6000066**
GRM 35 50 FT	50	3.9	3	45.610	**6000069**
GRM 35 100 FT	100	3.9	3	50.400	**6000071**
GRM 35 150 FT	150	3.9	3	64.500	**6000072**
GRM 35 200 FT	200	3.9	3	78.600	**6000073**
GRM 35 300 FT	300	4.8	3	162.700	**6000075**

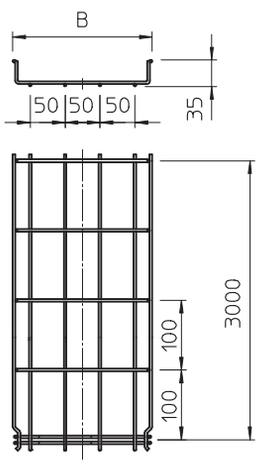
St Steel

G Electrogalvanised FT Hot-dip galvanised

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 35/50 = 20 x 100 mm).

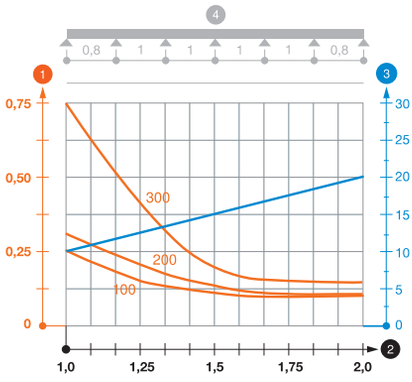
Mesh cable tray with shaped connector of side height 35 mm.

Dimensions



Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM 35 50 G	3000	50	3.9	17.5
GRM 35 100 G	3000	100	3.9	35
GRM 35 150 G	3000	150	3.9	52.5
GRM 35 200 G	3000	200	3.9	70
GRM 35 300 G	3000	300	4.8	105

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM 35 50 G	0.25	0.11	0.1
GRM 35 100 G	0.25	0.11	0.1
GRM 35 150 G	0.25	0.11	0.1
GRM 35 200 G	0.3	0.14	0.1
GRM 35 300 G	0.75	0.22	0.15

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

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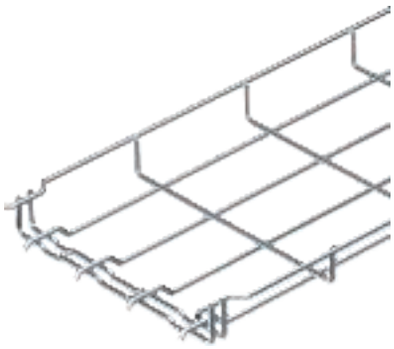
GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 35 50VA4301	50	3.9	3	45.000	**6000054**
GRM 35 100VA4301	100	3.9	3	49.000	**6000055**
GRM 35 150VA4301	150	3.9	3	62.600	**6000056**
GRM 35 200VA4301	200	3.9	3	76.300	**6000057**
GRM 35 300VA4301	300	4.8	3	157.900	**6000059**
GRM 35 50VA4401	50	3.9	3	44.620	**6000086**
GRM 35 100VA4401	100	3.9	3	49.000	**6000087**
GRM 35 150VA4401	150	3.9	3	62.600	**6000089**
GRM 35 200VA4401	200	3.9	3	76.300	**6000090**
GRM 35 300VA4401	300	4.8	3	157.900	**6000091**

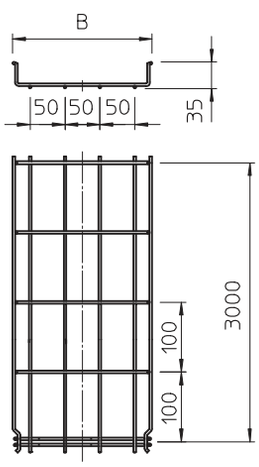
V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

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 35/50 = 20 x 100 mm).

Mesh cable tray with shaped connector of side height 35 mm.

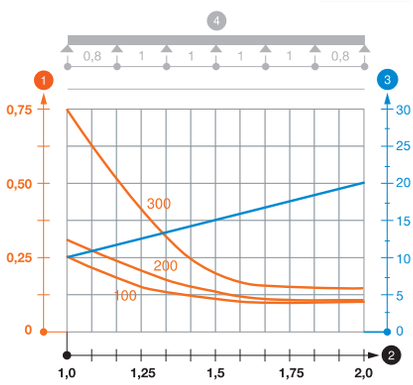
Dimensions

Type	Length mm	Dim. B mm	Useful cross-section cm²
GRM 35 50VA4301	3000	50	17.5
GRM 35 100VA4301	3000	100	35
GRM 35 150VA4301	3000	150	52.5
GRM 35 200VA4301	3000	200	70
GRM 35 300VA4301	3000	300	105



Load

Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM 35 50VA4301	0.25	0.11	0.1
GRM 35 100VA4301	0.25	0.11	0.1
GRM 35 150VA4301	0.25	0.11	0.1
GRM 35 200VA4301	0.3	0.14	0.1
GRM 35 300VA4301	0.75	0.22	0.15



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

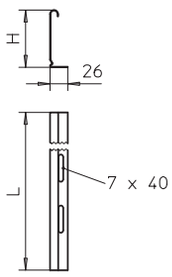


Type	Dim. H mm	Plate thickness mm	Dim. L mm	Pack. m	Weight kg/100 m	Item No.
TSG 30 FS	30	0.75	3000	3	38.000	**6062050**
TSG 30 DD	30	0.75	3000	3	38.000	**6062314**
TSG 30 VA4301	30	0.75	3000	3	37.670	**6062052**
TSG 30 VA4571	30	0.75	3000	3	38.670	**6062054**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti

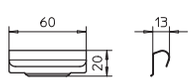
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector





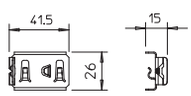
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310	10	0.923	**6067970**

V2A Stainless steel, grade 301

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	**6062282**

V2A Stainless steel, grade 301

Hold-down clamp for fastening barrier strips in mesh cable trays.

Hold-down clamp for barrier strip fastening



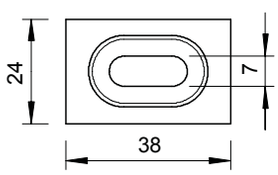
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 G	20	2.300	**6017037**
GKT 38 FT	20	2.400	**6017061**
GKT 38 VA4301	20	2.200	**6017045**
GKT 38 VA4401	10	2.200	**6017092**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fastening barrier strip in mesh cable trays.



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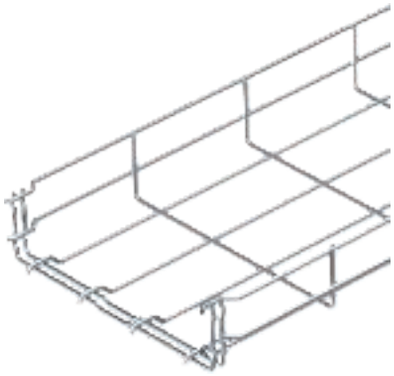
GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 100 F	100	3.9	3	72.000	**6001040**
GRM 55 150 F	150	3.9	3	85.700	**6001044**
GRM 55 200 F	200	3.9	3	99.000	**6001047**
GRM 55 300 F	300	4.8	3	191.100	**6001050**
GRM 55 400 F	400	4.8	3	234.600	**6001053**
GRM 55 500 F	500	4.8	3	276.400	**6001056**
GRM 55 600 F	600	4.8	3	318.400	**6001059**
GRM 55 50 G	50	3.9	3	67.000	**6001441**
GRM 55 100 G	100	3.9	3	72.400	**6001442**
GRM 55 150 G	150	3.9	3	85.700	**6001444**
GRM 55 200 G	200	3.9	3	100.667	**6001446**
GRM 55 200 4.8 G	200	4.8	3	151.000	**6001447**
GRM 55 300 G	300	4.8	3	194.900	**6001448**
GRM 55 400 G	400	4.8	3	236.700	**6001450**
GRM 55 450 G	450	4.8	3	238.000	**6001451**
GRM 55 500 G	500	4.8	3	279.000	**6001452**
GRM 55 600 G	600	4.8	3	321.200	**6001454**

St Steel

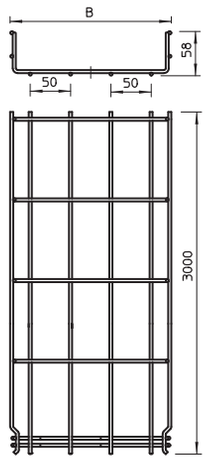
F Hot-dip galvanised G Electrogalvanised

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).

Mesh cable tray with shaped connector of side height 55 mm.

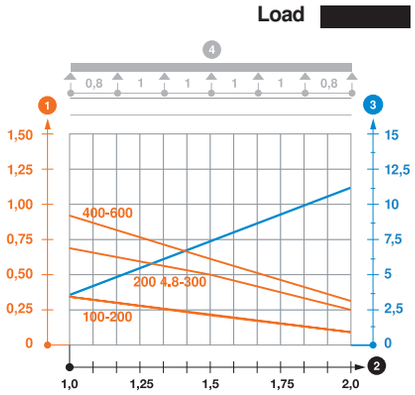
Dimensions

Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM 55 100 F	3000	100	3.9	40
GRM 55 150 F	3000	150	3.9	63
GRM 55 200 F	3000	200	3.9	87
GRM 55 300 F	3000	300	4.8	129
GRM 55 400 F	3000	400	4.8	175
GRM 55 500 F	3000	500	4.8	220
GRM 55 600 F	3000	600	4.8	265



Load

Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
GRM 55 100 F	0.35	0.2	0.1	0.1
GRM 55 150 F	0.35	0.2	0.1	0.1
GRM 55 200 F	0.35	0.2	0.1	0.1
GRM 55 300 F	0.7	0.5	0.25	0.2
GRM 55 400 F	0.9	0.6	0.3	0.25
GRM 55 500 F	0.9	0.6	0.3	0.25
GRM 55 600 F	0.9	0.6	0.3	0.25



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

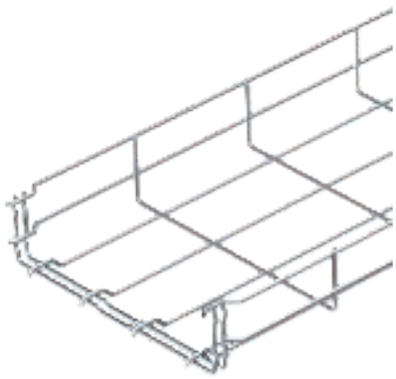
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 50 FT	50	3.9	3	66.470	**6001415**
GRM 55 100 FT	100	3.9	3	75.667	**6001416**
GRM 55 150 FT	150	3.9	3	90.000	**6001418**
GRM 55 200 FT	200	3.9	3	104.667	**6001420**
GRM 55 200 4.8FT	200	4.8	3	154.300	**6001421**
GRM 55 300 FT	300	4.8	3	198.800	**6001424**
GRM 55 400 FT	400	4.8	3	244.300	**6001428**
GRM 55 500 FT	500	4.8	3	287.700	**6001432**
GRM 55 600 FT	600	4.8	3	331.600	**6001436**

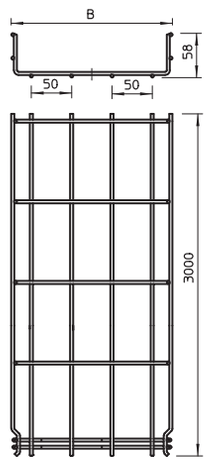
St Steel

FT Hot-dip galvanised

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).

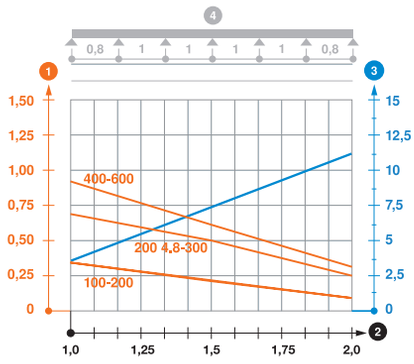
Mesh cable tray with shaped connector of side height 55 mm.

Dimensions



Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM 55 50 FT	3000	50	3.9	16
GRM 55 100 FT	3000	100	3.9	40
GRM 55 150 FT	3000	150	3.9	63
GRM 55 200 FT	3000	200	3.9	87
GRM 55 200 4.8FT	3000	200	4.8	87
GRM 55 300 FT	3000	300	4.8	129
GRM 55 400 FT	3000	400	4.8	175
GRM 55 500 FT	3000	500	4.8	220
GRM 55 600 FT	3000	600	4.8	265

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
GRM 55 50 FT	0.35	0.2	0.1	0.1
GRM 55 100 FT	0.35	0.2	0.1	0.1
GRM 55 150 FT	0.35	0.2	0.1	0.1
GRM 55 200 FT	0.35	0.2	0.1	0.1
GRM 55 200 4.8FT	0.7	0.5	0.25	0.2
GRM 55 300 FT	0.7	0.5	0.25	0.2
GRM 55 400 FT	0.9	0.6	0.3	0.25
GRM 55 500 FT	0.9	0.6	0.3	0.25
GRM 55 600 FT	0.9	0.6	0.3	0.25

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

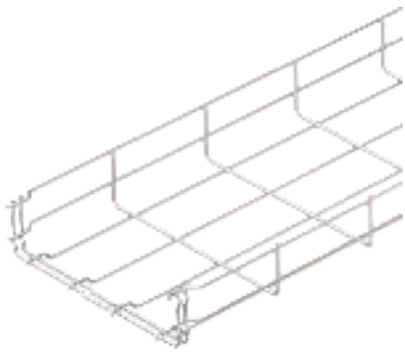
4 Load scheme during testing

— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 55 50VA4301	50	3.9	3	67.000	**6001070**
GRM 55 100VA4301	100	3.9	3	72.666	**6001072**
GRM 55 150VA4301	150	3.9	3	88.000	**6001074**
GRM 55 200VA4301	200	3.9	3	99.000	**6001076**
GRM 55 300VA4301	300	4.8	3	191.100	**6001078**
GRM 55 400VA4301	400	4.8	3	243.000	**6001080**
GRM 55 500VA4301	500	4.8	3	287.000	**6001082**
GRM 55 600VA4301	600	4.8	3	331.000	**6001085**
GRM 55 50VA4401	50	3.9	3	67.000	**6001087**
GRM 55 100VA4401	100	3.9	3	72.666	**6001088**
GRM 55 150VA4401	150	3.9	3	88.000	**6001090**
GRM 55 200VA4401	200	3.9	3	99.000	**6001091**
GRM 55 300VA4401	300	4.8	3	191.100	**6001093**
GRM 55 400VA4401	400	4.8	3	243.000	**6001095**
GRM 55 500VA4401	500	4.8	3	287.000	**6001097**
GRM 55 600VA4401	600	4.8	3	331.000	**6001099**

V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

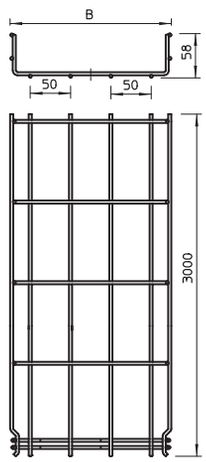
GB Stained

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).

Mesh cable tray with shaped connector of side height 55 mm.

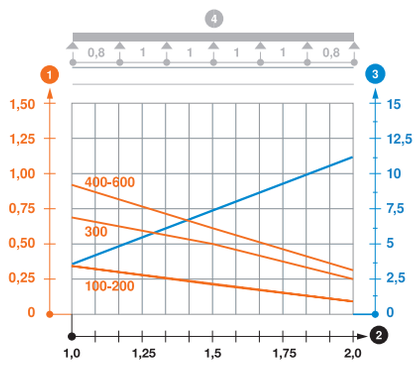
Dimensions

Type	Length mm	Dim. B mm	Useful cross-section cm²
GRM 55 50VA4301	3000	50	16
GRM 55 100VA4301	3000	100	40
GRM 55 150VA4301	3000	150	63
GRM 55 200VA4301	3000	200	87
GRM 55 300VA4301	3000	300	129
GRM 55 400VA4301	3000	400	175
GRM 55 500VA4301	3000	500	220
GRM 55 600VA4301	3000	600	265



Load

Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
GRM 55 50VA4301	0.35	0.2	0.1	0.1
GRM 55 100VA4301	0.35	0.2	0.1	0.1
GRM 55 150VA4301	0.35	0.2	0.1	0.1
GRM 55 200VA4301	0.35	0.2	0.1	0.1
GRM 55 300VA4301	0.7	0.5	0.25	0.2
GRM 55 400VA4301	0.9	0.6	0.3	0.25
GRM 55 500VA4301	0.9	0.6	0.3	0.25
GRM 55 600VA4301	0.9	0.6	0.3	0.25



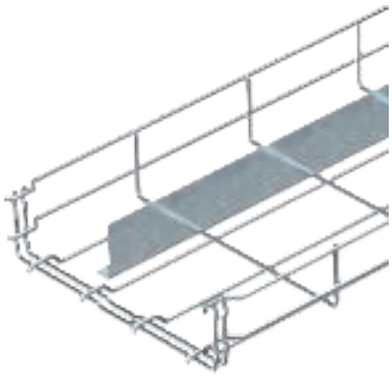
Load diagram, mesh cable tray GRM 55 VA

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

GR-Magic® mesh cable tray with barrier strip



Type	Length mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM-T 55 100 G	3000	3.9	3	116.500	**6006453**
GRM-T 55 200 G	3000	3.9	3	144.100	**6006455**
GRM-T 55 300 G	3000	4.8	3	238.600	**6006456**
GRM-T 55 400 G	3000	4.8	3	280.800	**6006457**
GRM-T 55 500 G	3000	4.8	3	323.100	**6006458**

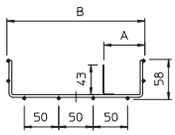
St Steel

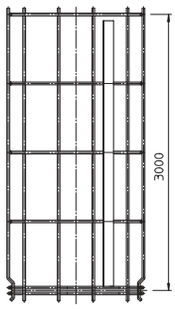
G Electrogalvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Mesh cable tray with shaped connector and welded barrier strips of side height 55 mm.

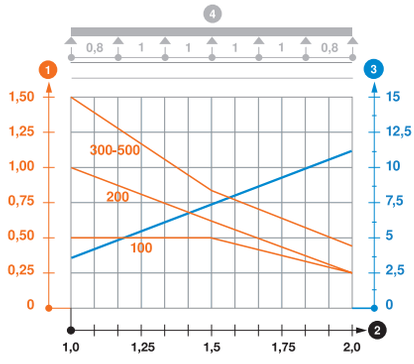
Dimensions





Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM-T 55 100 G	3000	100	3.9	40
GRM-T 55 200 G	3000	200	3.9	87
GRM-T 55 300 G	3000	300	4.8	129
GRM-T 55 400 G	3000	400	4.8	175
GRM-T 55 500 G	3000	500	4.8	220

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM-T 55 100 G	0.5	0.5	0.25
GRM-T 55 200 G	1	0.6	0.25
GRM-T 55 300 G	1.5	0.8	0.4
GRM-T 55 400 G	1.5	0.8	0.4
GRM-T 55 500 G	1.5	0.8	0.4

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

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

GR-Magic® mesh cable tray with barrier strip

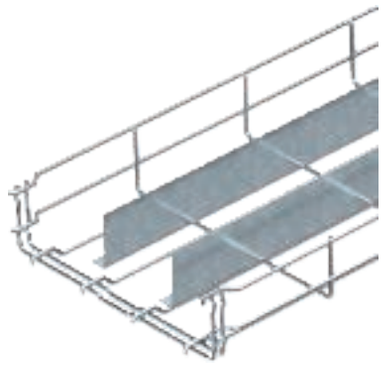
Type	Length mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM-2T 55 200 G	3000	3.9	3	188.200	**6006395**
GRM-2T 55 300 G	3000	4.8	3	282.700	**6006396**
GRM-2T 55 400 G	3000	4.8	3	336.700	**6006397**
GRM-2T 55 500 G	3000	4.8	3	367.200	**6006468**

St Steel

G Electrogalvanised

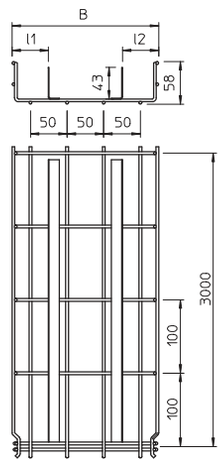
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Mesh cable tray with shaped connector and two welded barrier strips of side height 55 mm.



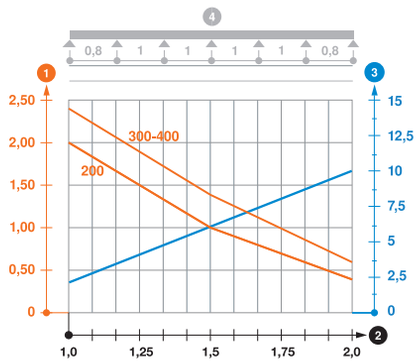
Dimensions

Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM-2T 55 200 G	3000	200	3.9	87
GRM-2T 55 300 G	3000	300	4.8	129
GRM-2T 55 400 G	3000	400	4.8	175
GRM-2T 55 500 G	3000	500	4.8	220



Load

Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM-2T 55 200 G	2	1	0.4
GRM-2T 55 300 G	2.3	1.4	0.6
GRM-2T 55 400 G	2.3	1.4	0.6
GRM-2T 55 500 G	1.5	0.8	0.55



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

Barrier strip

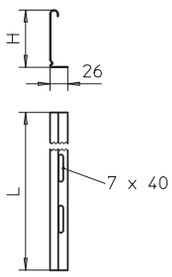


Type	Dim. H mm	Plate thickness mm	Dim. L mm	Pack. m	Weight kg/100 m	Item No.
TSG 45 FS	45	0.75	3000	3	46.700	**6062033**
TSG 45 DD	45	0.75	3000	3	46.800	**6062321**
TSG 45 VA4301	45	0.75	3000	3	47.000	**6062025**
TSG 45 VA4571	45	0.75	3000	3	48.000	**6062028**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti

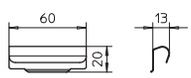
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector





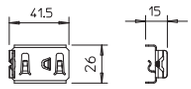
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310	10	0.923	**6067970**

V2A Stainless steel, grade 301

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.

Hold-down clamp for barrier strip fastening



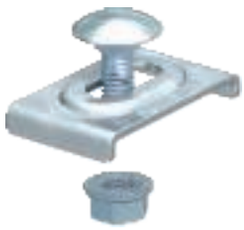


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310	30	0.830	**6062282**

V2A Stainless steel, grade 301

Hold-down clamp for fastening barrier strips in mesh cable trays.

Hold-down clamp for barrier strip fastening



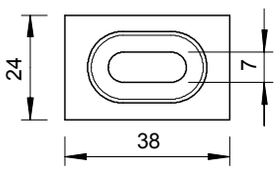
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 G	20	2.300	**6017037**
GKT 38 FT	20	2.400	**6017061**
GKT 38 VA4301	20	2.200	**6017045**
GKT 38 VA4401	10	2.200	**6017092**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fastening barrier strip in mesh cable trays.



04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

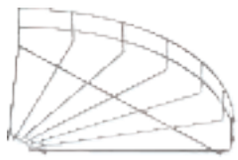
90° mesh cable tray bend

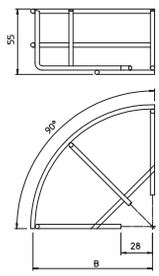
Type	Width mm	Wire Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GRB 90 510 G	100	3.9	1	7.000	**6001920**
GRB 90 515 G	150	3.9	1	14.400	**6001998**
GRB 90 520 G	200	3.9	1	18.400	**6001939**
GRB 90 530 G	300	4.4	1	41.700	**6001947**
GRB 90 540 G	400	4.8	1	65.500	**6001955**
GRB 90 550 G	500	4.8	1	94.800	**6001963**
GRB 90 560 G	600	4.8	1	113.300	**6001971**
GRB 90 510 FT	100	3.9	1	7.500	**6002218**
GRB 90 515 FT	150	3.9	1	15.100	**6002222**
GRB 90 520 FT	200	3.9	1	19.300	**6002226**
GRB 90 530 FT	300	4.4	1	43.500	**6002234**
GRB 90 540 FT	400	4.8	1	68.000	**6002242**
GRB 90 550 FT	500	4.8	1	98.400	**6002250**
GRB 90 560 FT	600	4.8	1	113.700	**6002269**

St Steel

G Electrogalvanised FT Hot-dip galvanised

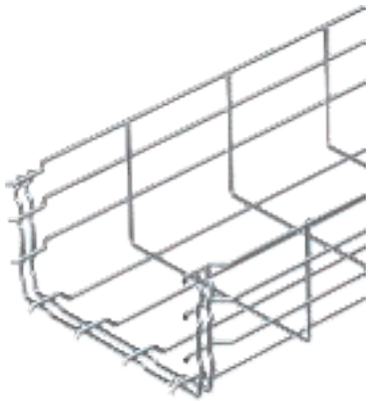
90° bend, horizontal, for all mesh cable trays of 55 mm side height.





04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

GR-Magic® mesh cable tray



Type	Length mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM 105 100 G	3000	3.9	3	99.340	**6002402**
GRM 105 150 G	3000	3.9	3	110.600	**6002404**
GRM 105 200 G	3000	4.8	3	192.340	**6002406**
GRM 105 300 G	3000	4.8	3	236.700	**6002408**
GRM 105 400 G	3000	4.8	3	278.000	**6002410**
GRM 105 450 G	3000	4.8	3	300.000	**6002413**
GRM 105 500 G	3000	4.8	3	319.000	**6002415**
GRM 105 600 G	3000	4.8	3	363.300	**6002417**
GRM 105 100 FT	3000	3.9	3	103.700	**6002431**
GRM 105 150 FT	3000	3.9	3	116.000	**6002433**
GRM 105 200 FT	3000	4.8	3	200.700	**6002435**
GRM 105 300 FT	3000	4.8	3	244.000	**6002437**
GRM 105 400 FT	3000	4.8	3	287.700	**6002439**
GRM 105 450 FT	3000	4.8	3	309.700	**6002441**
GRM 105 500 FT	3000	4.8	3	333.000	**6002443**
GRM 105 600 FT	3000	4.8	3	375.000	**6002445**

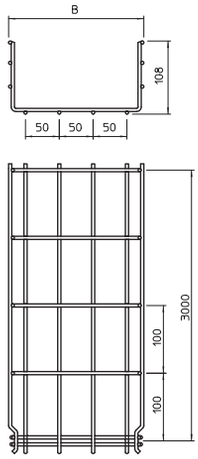
St Steel

G Electrogalvanised FT Hot-dip galvanised

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

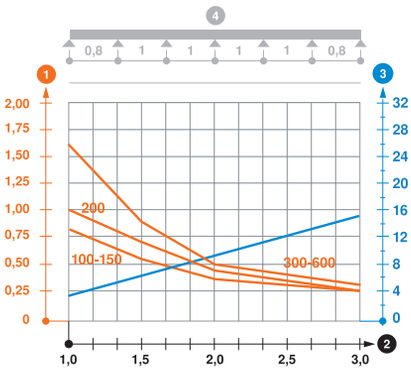
Mesh cable tray with shaped connector of side height 105 mm.

Dimensions



Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GRM 105 100 G	3000	100	3.9	82
GRM 105 150 G	3000	150	3.9	130
GRM 105 200 G	3000	200	4.8	175
GRM 105 300 G	3000	300	4.8	268
GRM 105 400 G	3000	400	4.8	363
GRM 105 450 G	3000	450	4.8	411
GRM 105 500 G	3000	500	4.8	459
GRM 105 600 G	3000	600	4.8	554

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
GRM 105 100 G	0.8	0.55	0.37	0.25
GRM 105 150 G	0.8	0.55	0.37	0.25
GRM 105 200 G	1	0.7	0.4	0.25
GRM 105 300 G	1.6	0.8	0.5	0.3
GRM 105 400 G	1.6	0.8	0.5	0.3
GRM 105 450 G	1.6	0.8	0.5	0.3
GRM 105 500 G	1.6	0.8	0.5	0.3
GRM 105 600 G	1.6	0.8	0.5	0.3

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

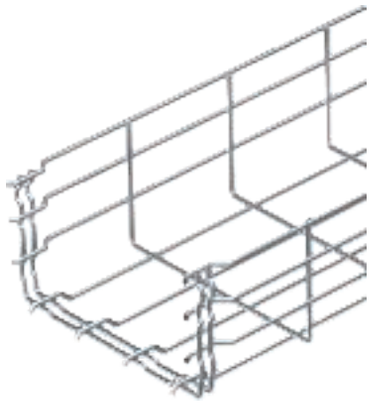
4 Load scheme during testing

— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

GR-Magic® mesh cable tray



Type	Width mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GRM105 100VA4301	100	3.9	3	99.000	**6002451**
GRM105 150VA4301	150	3.9	3	111.670	**6002455**
GRM105 200VA4301	200	4.8	3	200.670	**6002457**
GRM105 300VA4301	300	4.8	3	235.000	**6002460**
GRM105 400VA4301	400	4.8	3	277.000	**6002463**
GRM105 500VA4301	500	4.8	3	319.000	**6002466**
GRM105 600VA4301	600	4.8	3	363.340	**6002469**
GRM105 100VA4401	100	3.9	3	99.000	**6002475**
GRM105 150VA4401	150	3.9	3	109.130	**6002476**
GRM105 200VA4401	200	4.8	3	192.340	**6002477**
GRM105 300VA4401	300	4.8	3	235.000	**6002479**
GRM105 400VA4401	400	4.8	3	277.000	**6002481**
GRM105 500VA4401	500	4.8	3	319.000	**6002483**
GRM105 600VA4401	600	4.8	3	363.340	**6002485**

V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

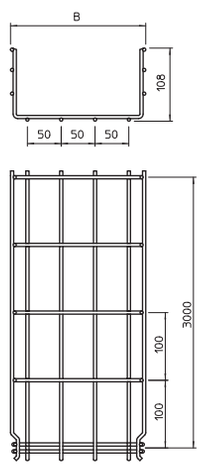
GB Stained

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Mesh cable tray with shaped connector of side height 105 mm.

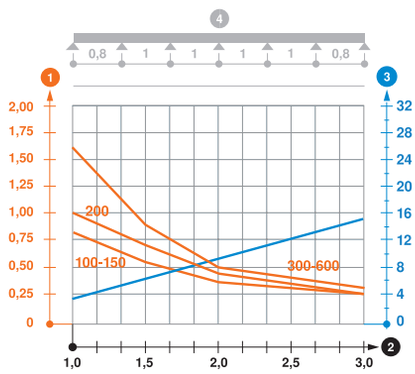
Dimensions

Type	Length mm	Dim. B mm	Useful cross-section cm²
GRM105 100VA4301	3000	100	82
GRM105 150VA4301	3000	150	130
GRM105 200VA4301	3000	200	175
GRM105 300VA4301	3000	300	268
GRM105 400VA4301	3000	400	363
GRM105 500VA4301	3000	500	459
GRM105 600VA4301	3000	600	554



Load

Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
GRM105 100VA4301	0.8	0.55	0.37	0.25
GRM105 150VA4301	0.8	0.55	0.37	0.25
GRM105 200VA4301	0.8	0.55	0.37	0.25
GRM105 300VA4301	1.1	0.75	0.53	0.3
GRM105 400VA4301	1.1	0.75	0.53	0.3
GRM105 500VA4301	1.25	0.85	0.6	0.3
GRM105 600VA4301	1.25	0.85	0.6	0.3



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

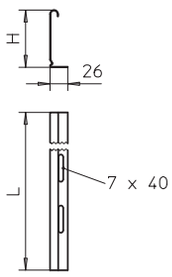


Type	Dim. H mm	Plate thickness mm	Dim. L mm	Pack. m	Weight kg/100 m	Item No.
TSG 85 FS	85	0.75	3000	3	70.300	**6062114**
TSG 85 DD	85	0.75	3000	3	70.300	**6062331**
TSG 85 VA4301	85	0.75	3000	3	69.670	**6062173**

St Steel V2A Stainless steel, grade 304

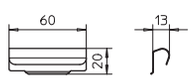
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.



Barrier strip connector





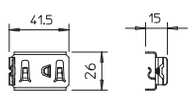
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310	10	0.923	**6067970**

V2A Stainless steel, grade 301

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	**6062282**

V2A Stainless steel, grade 301

Hold-down clamp for fastening barrier strips in mesh cable trays.

Hold-down clamp for barrier strip fastening



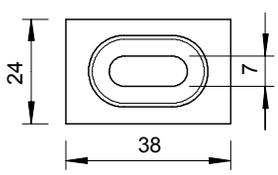
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 G	20	2.300	**6017037**
GKT 38 FT	20	2.400	**6017061**
GKT 38 VA4301	20	2.200	**6017045**
GKT 38 VA4401	10	2.200	**6017092**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.

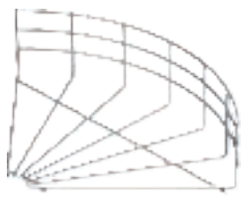
Clamp for fastening barrier strip in mesh cable trays.

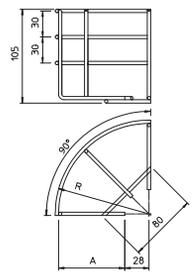


04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

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	**6002370**
GRB 90 115 G	150	3.9	1	18.000	**6002372**
GRB 90 120 G	200	4.4	1	30.400	**6002374**
GRB 90 130 G	300	4.8	1	61.000	**6002376**
GRB 90 140 G	400	4.8	1	77.000	**6002378**
GRB 90 145 G	450	4.8	1	100.000	**6002380**
GRB 90 150 G	500	4.8	1	114.000	**6002382**
GRB 90 160 G	600	4.8	1	134.000	**6002384**
GRB 90 110 FT	100	3.9	1	10.000	**6002307**
GRB 90 115 FT	150	3.9	1	19.000	**6002311**
GRB 90 120 FT	200	4.4	1	36.000	**6002315**
GRB 90 130 FT	300	4.8	1	62.000	**6002323**
GRB 90 140 FT	400	4.8	1	81.900	**6002331**
GRB 90 145 FT	450	4.8	1	102.000	**6002335**
GRB 90 150 FT	500	4.8	1	113.000	**6002358**
GRB 90 160 FT	600	4.8	1	133.000	**6002366**



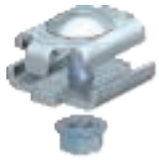


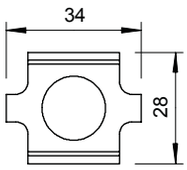
St Steel

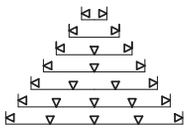
G Electrogalvanised FT Hot-dip galvanised

90° bend, horizontal, for all mesh cable trays of 105 mm side height.

Joint connector







Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 G	20	3.000	**6016596**
GSV 34 FT	20	3.000	**6016634**
GSV 34 VA4301	20	3.000	**6016642**
GSV 34 VA4401	20	3.000	**6016648**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316
G Electrogalvanised FT Hot-dip galvanised

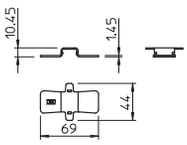
Including FRS M6 x 20 bolt with flange nut.

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.
50-150 mm = 2 units
200-300 mm = 3 units
400-450 mm = 4 units
500-600 mm = 5 units

Quick connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GRS 3.9 DD	50	2.500	**6016545**
GRS 4.8 DD	50	2.500	**6016561**

St Steel
DD Strip galvanised zinc/aluminium, Double Dip

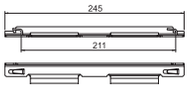
When selecting the connector, please take the appropriate wire thickness of the mesh cable tray into account.

Quick connector for screwless straight connection of mesh cable trays without special tools, for mesh cable trays up to a width of 150 mm.

Figure: Positioning and quantity of mesh cable tray connectors.
50-150 mm = 2 units

Mesh cable tray connector, long





Type	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GRV 245 FS	245	20	13.500	**6016680**
GRV 245 DD	245	20	13.500	**6016684**
GRV 245 VA4404	245	20	13.500	**6016688**

St Steel V4A Stainless steel, grade 316 L
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Two straight connectors, type GRV 245, are used for each connection point.
Can be used from a mesh cable tray width of 100 mm.

Long mesh cable tray connectors for screwless straight connection of mesh cable trays.

Side connector





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
K 11 262 FT	25	7.500	**6015107**
K 11 262 VA4301	25	7.500	**6016367**

St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

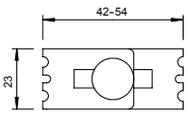
Including screw of type FRS M6 x 20.

Screwed version of joint connector for mesh cable trays.

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Corner connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GEV 36 G	20	3.000	**6016715**
GEV 36 FT	20	3.000	**6016723**
GEV 36 VA4301	20	3.000	**6016731**
GEV 36 VA4401	10	3.000	**6016764**



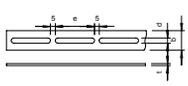


St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316
G Electrogalvanised FT Hot-dip galvanised

Including FRS M6 x 12 bolt with flange nut
Corner connector for the creation of mesh cable tray bend elements.

Slotted steel strap

Type	Dimension mm	Hole size mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
5050 20X3 FT	20 x 3	6,5 x 40	270	20	9.450	**1466500**
5050 20X3 1M FT	20 x 3	6,5 x 40	1000	20	35.000	**1466504**



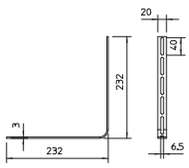


St Steel
FT Hot-dip galvanised

Perforated slotted steel strap in strips.

Slotted steel strap, bent

Type	Dimension mm	Pack. pcs	Weight kg/100 pcs.	Item No.
5050 20X3 FT	20x3	25	15.800	**6017371**



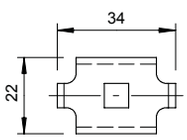


St Steel
FT Hot-dip galvanised

Set includes four clamps, type GKS 34.
Bent slotted steel strap for creation of bends and tees.

Hold-down clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 G	20	2.000	**6016855**
GKS 34 FT	20	2.000	**6016820**
GKS 34 VA4301	20	2.000	**6016839**
GKS 34 VA4401	10	2.000	**6016859**



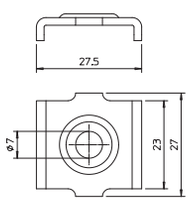


St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316
G Electrogalvanised FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.
Clamp for fixing mesh cable trays to wall or support brackets.

Hold-down clamp

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKB 34 G	20	1.000	**6016674**
GKB 34 VA4301	20	1.000	**6016676**





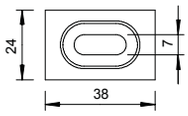
St Steel V2A Stainless steel, grade 304
G Electrogalvanised

Clamp for fastening mesh cable trays of width 50 mm to the floor.

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Hold-down clamp





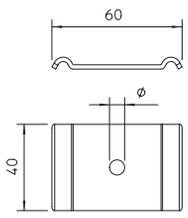
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKB 38 G	20	1.200	**6017020**
GKB 38 VA4301	20	1.200	**6017018**

St Steel V2A Stainless steel, grade 304
G Electrogalvanised

Hold-down clamp for floor fastening of mesh cable trays.

Hold-down clamp





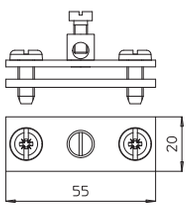
Type	Hole Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 50 07 FS	7	50	4.000	**6015263**
GKS 50 11 FS	11	50	4.000	**6015276**
GKS 50 07 FT	7	50	4.100	**6015271**
GKS 50 11 FT	11	50	4.100	**6015278**
GKS 50 07 V4A	7	50	4.000	**6015310**
GKS 50 11 V4A	11	20	4.000	**6015280**

St Steel V4A Stainless steel, grade 316 L
FS Strip-galvanised FT Hot-dip galvanised

Clamp for fastening mesh cable trays.

Earthing clip





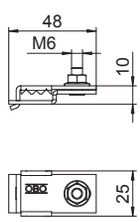
Type	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
939	150	25	5.932	**5043107**

St Steel
G Electrogalvanised

- For cables to 16 mm² and flat conductors
- Fit: cable to 16 mm² x max. FL 30
- With riveted brass connection terminal and one cylinder bolt, M5 x 12, with two cylinder bolts, M6 x 16

Connection and earthing terminal





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
VEK-GRM 3.9 FS	25	3.850	**6016694**
VEK-GRM 4.8 FS	25	3.800	**6016696**

St Steel
FS Strip-galvanised

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 compulsory when used as a protective conductor in a mesh cable tray system (Note: National regulations have to be followed when creating such a system).

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

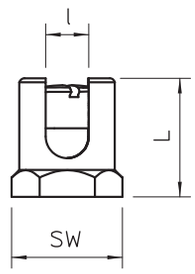
Earthing screw

Type	Dim. L mm	Dim. l mm	Cross-section mm²	SW mm	Thread	Accessories	Pack. pcs	Weight kg/100 pcs.	Item No.
EKL 25 M6	22	8	25	18	M6	—	50	3.100	**6404006**
EKL 35 M6	26	10	35	21	M6	—	50	4.800	**6404014**

CuZn Brass

Earthing terminal for fastening the equipotential bonding wire to the cable support system.





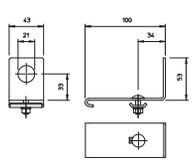
Side holder for cable gland

Type	Hole Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SH KAB 20 FS	20	10	15.000	**6015425**
SH KAB 25 FS	25	10	14.700	**6015433**

St Steel

FS Strip-galvanised

Conduit take off bracket with perforation for accepting cable glands.





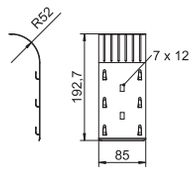
Drop-out plate

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KAB GR FS	10	14.100	**6220139**
KAB GR FT	10	14.100	**6220142**
KAB GR VA 1.4301	10	14.100	**6220145**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised FT Hot-dip galvanised

The drop-out 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.





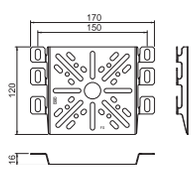
Mounting plate

Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP UNI FS	115	170	40	13.300	**7084773**
MP UNI DD	115	170	40	11.000	**7085114**
MP UNI VA4301	115	170	40	11.000	**7085133**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

Mounting plate, for fastening on the side rail of cable support systems.

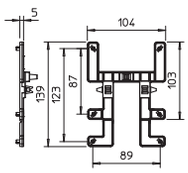




04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Fastening element for mesh cable tray



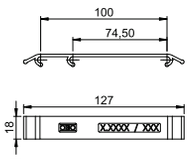


Type	Pack. pcs	Weight kg/100 pcs.	Item No.
BE TS GR	10	2.300	**2007833**

PC Polycarbonate

The fastening element BE TS GR can be used to attach OBO junction boxes, type T60 and T100, to all standard mesh cable trays in a few actions, quickly and without tools. This is all done without using tools.
This keeps the junction box securely in position. However, it can be quickly dismantled as necessary.

Identification clip











Type	KS GR OR	KS GR ZGB	KS GR LBL	KS GR SGN
Colour	Pastel orange	Zinc yellow	Light blue	Signal green
Weight kg/100 pcs.	0.920	0.742	0.920	0.920
Pack. pcs	10	10	10	10
Item No.	**6017712**	**6017713**	**6017714**	**6017715**

PA Polyamide

The identification clip is fastened to the mesh cable tray without screws simply by attaching it.

Bolt cutter



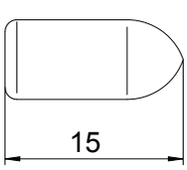
Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GR BS	450	1	160.000	**6017700**

St Steel

Bolt cutter for cutting mesh cable trays.

End cap





Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GR KS 3.9 OR	Pure orange	500	0.025	**6003750**
GR KS 4.8 OR	Pure orange	500	0.030	**6003754**

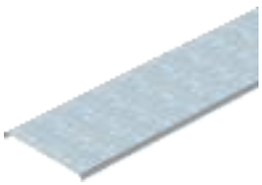
PVC Polyvinylchloride

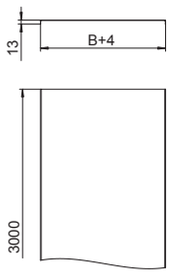
End cap to cover cut wire ends of mesh cable trays.

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Cover, unperforated

Type	Width mm	Plate thickness mm	Length mm	Pack. m	Weight kg/100 m	Item No.
DRLU 050 FS	50	0.75	3000	3	44.700	**6052056**
DRLU 100 FS	100	0.75	3000	3	98.670	**6052103**
DRLU 150 FS	150	0.75	3000	3	138.000	**6052153**
DRLU 200 FS	200	1.00	3000	3	177.670	**6052210**
DRLU 300 FS	300	1.00	3000	3	255.670	**6052307**
DRLU 400 FS	400	1.00	3000	3	334.670	**6052405**
DRLU 500 FS	500	1.25	3000	3	619.500	**6052512**
DRLU 600 FS	600	1.25	3000	3	737.340	**6052609**
DRLU 050 DD	50	0.75	3000	3	59.670	**6052640**
DRLU 100 DD	100	0.75	3000	3	89.000	**6052643**
DRLU 150 DD	150	0.75	3000	3	138.340	**6052647**
DRLU 200 DD	200	1.00	3000	3	177.670	**6052650**
DRLU 300 DD	300	1.00	3000	3	256.000	**6052656**
DRLU 400 DD	400	1.00	3000	3	334.470	**6052662**
DRLU 500 DD	500	1.25	3000	3	619.340	**6052668**
DRLU 600 DD	600	1.25	3000	3	737.270	**6052674**
DRLU 050 VA4301	50	1.00	3000	3	59.670	**6052821**
DRLU 100 VA4301	100	1.00	3000	3	99.000	**6052824**
DRLU 150 VA4301	150	1.00	3000	3	138.000	**6052828**
DRLU 200 VA4301	200	1.00	3000	3	177.670	**6052831**
DRLU 300 VA4301	300	1.00	3000	3	256.000	**6052834**
DRLU 400 VA4301	400	1.00	3000	3	334.670	**6052837**
DRLU 500 VA4301	500	1.25	3000	3	516.000	**6052841**
DRLU 600 VA4301	600	1.25	3000	3	737.270	**6052844**
DRLU 050 VA4571	50	1.00	3000	3	59.670	**6052978**
DRLU 100 VA4571	100	1.00	3000	3	99.000	**6052991**
DRLU 150 VA4571	150	1.00	3000	3	138.000	**6052992**
DRLU 200 VA4571	200	1.00	3000	3	177.670	**6052993**
DRLU 300 VA4571	300	1.00	3000	3	256.000	**6052994**
DRLU 400 VA4571	400	1.00	3000	3	334.670	**6052995**
DRLU 500 VA4571	500	1.25	3000	3	619.500	**6052996**
DRLU 600 VA4571	600	1.25	3000	3	737.270	**6052998**





St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti

FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

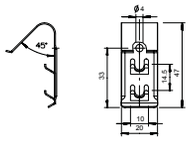
Transverse bead from 500 mm width.

Cover for cable trays and mesh cable trays.

When using covers outdoors, additional measures against the influence of wind must be taken.

Cover clamp, universal

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DKU VA4310	20	0.800	**6065600**





V2A Stainless steel, grade 301

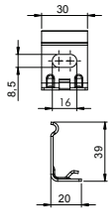
Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.

The cover clamp is not suitable for use with mesh cable trays with a side height of 35 mm.

Wall mounting for type GRM 35x50





Type	Side height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
WH GRM35 FT	35	50	10	1.950	**6016443**
WH GRM35 VA4401	35	50	10	1.950	**6016445**

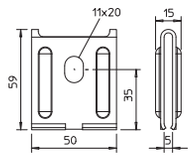
St Steel V4A Stainless steel, grade 316

FT Hot-dip galvanised

Wall mounting for wall fastening of mesh cable trays, type GRM 35x50

Wall clamp/central hanger





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
K 12 1818 FS	25	7.600	**6437109**
K12 1818 VA4301	25	7.600	**6016421**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised

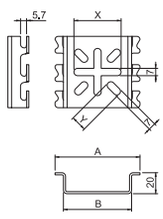
Recommendation:
As wall mounting up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.

As a trapeze suspension from a width of 300 mm.

Wall clamp and central hanger for mesh cable trays.

Mounting plate





Type	Dim. A mm	Dim. 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	**6006486**
MPG 90 FT	111	95	45	38	30	16.800	**6006487**
MPG 65 VA4404	81	65	45	15	30	8.800	**6006488**
MPG 90 VA4404	111	95	45	38	30	16.100	**6006489**

St Steel V4A Stainless steel, grade 316 L

FT Hot-dip galvanised

Mounting plate for screwless wall fastening of mesh cable trays.

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

TP support / wall and support bracket

Type	For width mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPSAG 145 FS	100	1.5	50	33.000	**6366015**
TPSAG 195 FS	150	1	20	41.000	**6366023**
TPSAG 245 FS	200	0.9	20	48.000	**6366031**
TPSAG 345 FS	300	0.55	20	61.000	**6366066**
TPSAG 145 FT	100	1.5	50	33.000	**6366131**
TPSAG 195 FT	150	1	20	42.000	**6366135**
TPSAG 245 FT	200	0.9	20	49.000	**6366139**
TPSAG 345 FT	300	0.55	20	65.000	**6366143**
TPSAG 145 VA4301	100	1.5	50	32.000	**6366145**
TPSAG 195 VA4301	150	1	20	40.000	**6366146**
TPSAG 245 VA4301	200	0.9	20	47.000	**6366148**
TPSAG 345 VA4301	300	0.55	20	61.000	**6366149**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised FT Hot-dip galvanised

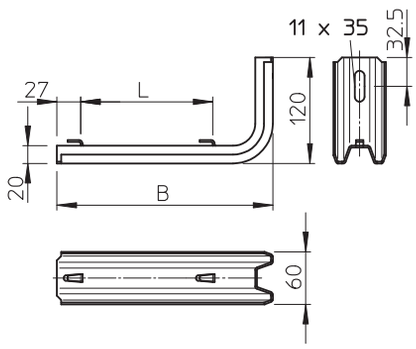


If the bracket is fastened directly to the wall or the profiles are screwed together, then, for reasons of stability, always use the spacer, type DS 4.

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

Dimensions

Type	Dim. B mm	Dim. L mm
TPSAG 145 FS	145	50
TPSAG 195 FS	195	100
TPSAG 245 FS	245	150
TPSAG 345 FS	345	250



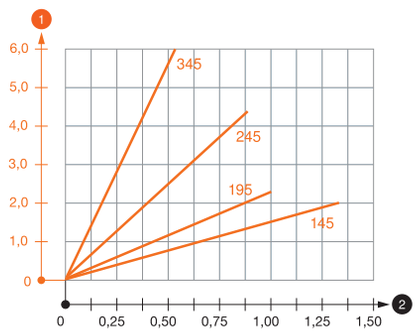
Load diagram, bracket TPSAG

Load

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

Wall fastening					
F F		Max. load F [kN]			
		Bracket width [mm]			
	Anchor type	145	195	245	345
	BZ-U 8-30-41/95	1,00	0,80	0,70	0,50
	BZ-U 10-30-50/110	1,50	1,00	0,90	0,55

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 Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Wall and support bracket MWAG 12



Type	Width mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
MWAG 12 11 FS	110	1.2	30	12.700	**6424600**
MWAG 12 21 FS	210	1.2	30	24.400	**6424608**
MWAG 12 31 FS	310	1.2	30	50.300	**6424616**
MWAG 12 41 FS	410	1.2	25	68.000	**6424624**

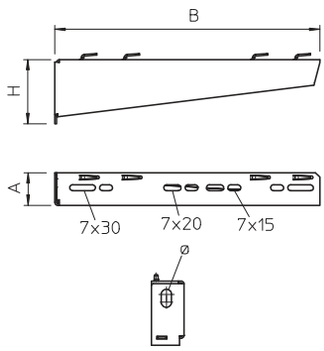
St Steel

FS Strip-galvanised

Including truss-head bolt M10 x 25 for fastening to U supports.

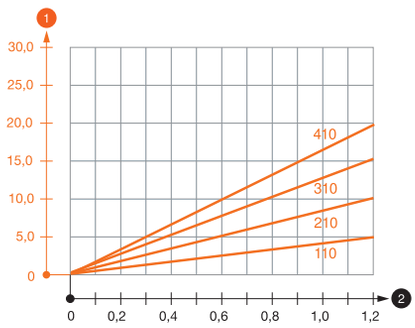
Light-duty wall and support bracket for screwless mesh cable tray fastening.

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
MWAG 12 11 FS	110	32.5	53	11
MWAG 12 21 FS	210	32.5	65	11
MWAG 12 31 FS	310	38	75	11
MWAG 12 41 FS	410	38	83	11

Load



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

Wall fastening					
F F		Max. load F [kN]			
		Bracket width [mm]			
	Anchor type	110	210	310	410
	BZ-U 8-10-21/75	1,20	0,95	0,70	0,65
	BZ-U 10-10-30/90	1,20	1,20	1,20	1,20

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 MWAG 12 on suspended support

Max. total load F in kN					
		Bracket length in mm			
	Support	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 Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Wall and support bracket AWG 15

Type	Width mm	F in kN kN	Pack. pcs	Weight kg/100 pcs.	Item No.
AW G 15 11 FT	110	1.5	30	14.000	**6420606**
AW G 15 16 FT	160	1.5	30	20.000	**6420607**
AW G 15 21 FT	210	1.5	30	26.000	**6420608**
AW G 15 31 FT	310	1.5	30	35.000	**6420610**
AW G 15 41 FT	410	1.5	30	56.000	**6420612**
AW G 15 51 FT	510	1.5	20	69.000	**6420614**
AW G 15 61 FT	610	1.5	20	84.000	**6420616**
AWG 15 11 VA4301	110	1.5	30	13.000	**6420625**
AWG 15 21 VA4301	210	1.5	30	25.000	**6420628**
AWG 15 31 VA4301	310	1.5	30	33.000	**6420631**
AWG 15 41 VA4301	410	1.5	30	53.000	**6420634**
AWG 15 51 VA4301	510	1.5	20	65.000	**6420637**
AWG 15 61 VA4301	610	1.5	20	80.000	**6420640**
AWG 15 11 VA4571	110	1.5	30	13.000	**6420642**
AWG 15 21 VA4571	210	1.5	30	25.000	**6420644**
AWG 15 31 VA4571	310	1.5	30	33.000	**6420646**
AWG 15 41 VA4571	410	1.5	30	53.000	**6420648**
AWG 15 51 VA4571	510	1.5	20	65.000	**6420650**
AWG 15 61 VA4571	610	1.5	20	80.000	**6420652**



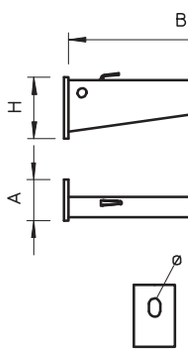
St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti
GB Stained FT Hot-dip galvanised

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.

Light-duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.

Dimensions

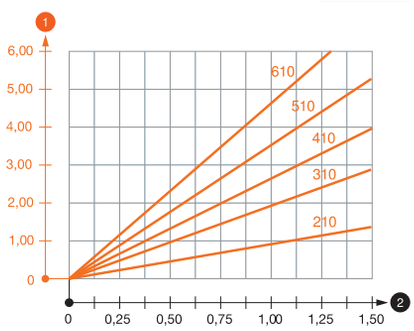
Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW G 15 11 FT	110	40	50	11
AW G 15 16 FT	160	40	55	11
AW G 15 21 FT	210	40	60	11
AW G 15 31 FT	310	40	65	11
AW G 15 41 FT	410	40	70	11
AW G 15 51 FT	510	40	75	11
AW G 15 61 FT	610	40	80	11



Load

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

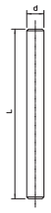
Wall fastening								
F F	Max. load F [kN]							
	Bracket width [mm]							
Anchor type	110	160	210	310	410	510	560	610
BZ-U 8-10-21/75	1,10	0,90	0,80	0,65	0,55	0,50	0,45	0,45
BZ-U 10-10-30/90	1,50	1,50	1,40	1,10	0,95	0,85	0,80	0,80

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).

Max. total load F in kN				
	Bracket length in mm			
Support	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

Threaded rod





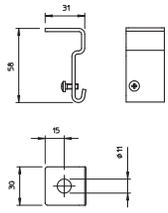
Type	Thread	Dim. d mm	Dim. L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2078 M6 1M G	M6	6	1000	10	18.300	**3141047**
2078 M8 1M G	M8	8	1000	10	30.000	**3141128**
2078 M10 1M G	M10	10	1000	10	49.000	**3141209**
2078 M12 1M G	M12	12	1000	10	62.000	**3141306**
2078 M6 2M G	M6	6	2000	10	36.600	**3141048**
2078 M8 2M G	M8	8	2000	10	60.000	**3141136**
2078 M10 2M G	M10	10	2000	10	98.000	**3141140**
2078 M12 2M G	M12	12	2000	10	140.000	**3141144**
2078 M6 1M V2A	M6	6	1000	10	18.300	**3141327**
2078 M8 1M V2A	M8	8	1000	10	30.000	**3141310**
2078 M10 1M V2A	M10	10	1000	10	49.000	**3141312**
2078 M12 1M V2A	M12	12	1000	10	70.000	**3141314**
2078 M6 2M V2A	M6	6	2000	10	36.600	**3141328**
2078 M8 2M V2A	M8	8	2000	10	60.000	**3141330**
2078 M10 2M V2A	M10	10	2000	10	98.000	**3141339**
2078 M12 2M V2A	M12	12	2000	10	140.000	**3141316**
2078 M6 1M V4A	M6	6	1000	50	18.300	**3141482**
2078 M8 1M V4A	M8	8	1000	50	30.000	**3141492**
2078 M10 1M V4A	M10	10	1000	25	49.000	**3141502**
2078 M12 1M V4A	M12	12	1000	20	70.000	**3141512**
2078 M6 2M V4A	M6	6	2000	25	36.600	**3141484**
2078 M8 2M V4A	M8	8	2000	25	60.000	**3141494**
2078 M10 2M V4A	M10	10	2000	20	98.000	**3141504**
2078 M12 2M V4A	M12	12	2000	10	140.000	**3141514**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti
G Electrogalvanised

Threaded rod to DIN 976.

Side holder





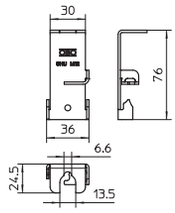
Type	For threaded rod	Pack. pcs	Weight kg/100 pcs.	Item No.
SH M10 FS	M10	50	5.800	**6015336**
SH M10 FT	M10	50	6.000	**6015338**
SH M10 A4	M10	20	5.500	**6015340**

St Steel V4A Stainless steel, grade 316
FS Strip-galvanised FT Hot-dip galvanised

Side holder for suspension of mesh cable trays.

Side holder, universal





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
SHU M12 FS	50	5.100	**6015322**
SHU M12 DD	50	5.100	**6015324**
SHU M12 VA4301	50	5.100	**6015326**
SHU M12 VA4571	50	5.100	**6015328**

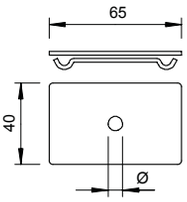
St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316 Ti
FS Strip-galvanised DD Strip galvanised zinc/aluminium, Double Dip

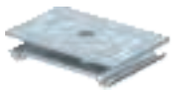
Side holder to fasten cable trays, mesh cable trays and cable ladders to ceilings using a threaded rod.

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Centre suspension

Type	Hole Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMA M6 FS	7	25	8.000	**6015220**
GMA M8 FS	9	25	8.300	**6015239**
GMA M10 FS	11	25	8.300	**6015247**
GMA M6 FT	7	25	8.400	**6015224**
GMA M8 FT	9	25	8.300	**6015243**
GMA M10 FT	11	25	8.400	**6015255**
GMA M6 VA4401	7	25	8.400	**6015228**
GMA M8 VA4401	9	25	8.300	**6015245**
GMA M10 VA4401	11	25	8.300	**6015261**





St Steel V4A Stainless steel, grade 316

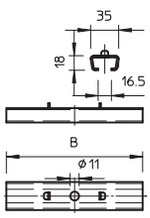
FS Strip-galvanised FT Hot-dip galvanised

When filling with cables, please ensure an even distribution. The maximum recommended mesh cable tray width is 200 mm.

Two-part centre suspension of mesh cable trays.

Centre suspension

Type	Dim. B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 170 FS	170	25	20.000	**6015400**
GMS 270 FS	270	25	32.000	**6015402**
GMS 370 FS	370	25	43.000	**6015404**
GMS 470 FS	470	10	55.000	**6015406**
GMS 570 FS	570	10	67.000	**6015408**
GMS 170 VA4404	170	25	20.000	**6015418**
GMS 270 VA4404	270	25	32.000	**6015419**
GMS 370 VA4404	370	25	43.000	**6015420**
GMS 470 VA4404	470	10	55.000	**6015421**
GMS 570 VA4404	570	10	67.000	**6015422**





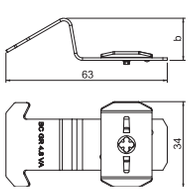
St Steel V4A Stainless steel, grade 316 L

FS Strip-galvanised

Centre suspension including hold-down clamp for mesh cable tray suspensions.

Hold-down clip

Type	Dim. b mm	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
BC GR 4.8 VA	17	For wire thicknesses 3.9 and 4.8 mm	20	1.760	**6016665**





V2A Stainless steel, grade 301

Hold-down clip for the screwless mounting of mesh cable trays onto MS profile rails.

TP wall and ceiling bracket



Type	For width mm	F in kN ceiling kN	F in kN Wall kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TPDG 145 FS	100	1.3	1.4	6	53.000	**6365906**
TPDG 195 FS	150	0.95	1.05	6	91.100	**6365914**
TPDG 245 FS	200	0.8	0.87	5	68.000	**6365922**
TPDG 345 FS	300	0.5	0.55	5	81.000	**6365949**
TPDG 145 FT	100	1.3	1.4	6	56.000	**6365977**
TPDG 245 FT	200	0.8	0.87	5	71.000	**6365981**
TPDG 345 FT	300	0.5	0.55	5	86.000	**6365985**
TPDG 145 VA4301	100	1.3	1.4	6	53.000	**6365989**
TPDG 195 VA4301	150	0.95	1.05	6	91.100	**6365991**
TPDG 245 VA4301	200	0.8	0.87	5	67.000	**6365993**
TPDG 345 VA4301	300	0.5	0.55	5	81.000	**6365995**

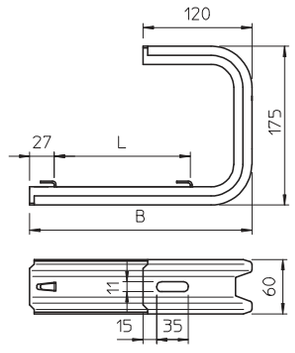
St Steel V2A Stainless steel, grade 304

FS Strip-galvanised FT Hot-dip galvanised

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.

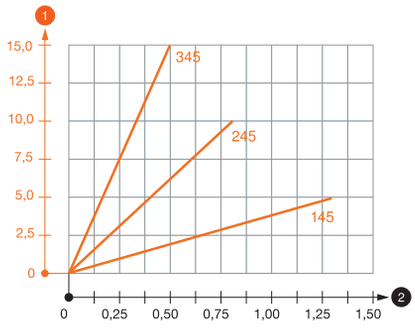
TP wall and ceiling bracket with clamping lugs for screwless mesh cable tray fastening.

Dimensions



Type	Dim. B mm	Dim. L mm
TPDG 145 FS	145	110
TPDG 195 FS	195	160
TPDG 245 FS	245	210
TPDG 345 FS	345	310

Load



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

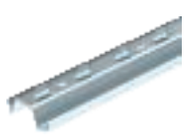
Characteristic anchor load values for TPDG wall and ceiling bracket

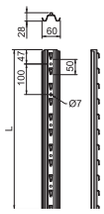
Wall fastening						
F F		Max. load F [kN]				
		Bracket length [mm]				
	Anchor type	145	245	345	445	545
	BZ-U 8-30-41/95	1,00	0,70	0,50	0,40	0,30
	BZ-U 10-30-50/110	1,50	0,90	0,55	0,45	0,35

Ceiling fastening						
		Max. load F [kN]				
		Bracket width [mm]				
	Anchor type	145	245	345	445	545
	BZ-U 8-30-41/95	1,30	0,80	0,50	0,35	0,25
	BZ-U 10-30-50/110	1,30	0,80	0,50	0,35	0,25

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 profile





Type	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TPSG 3000 FS	3000	1	401.700	**6366090**
TPSG 3000 FT	3000	1	461.000	**6366093**

St Steel

FS Strip-galvanised FT Hot-dip galvanised

TP profile with clamping lugs.

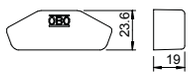
04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

End cap

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
TPS KS OR	Pastel orange	10	0.569	**6364625**

PE Polyethylene

End cap to cover ends of TP supports.





Spacer

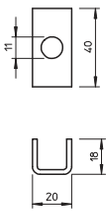
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
DS 4 FS	20	3.700	**6416551**
DS 4 FT	20	3.800	**6416586**
DS 4 VA4301	10	3.700	**6416594**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised FT Hot-dip galvanised

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

Spacer for use in profiles, type TP.





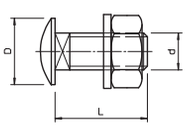
Truss-head bolt

Type	Dimension mm	Pack. pcs	Weight kg/100 pcs.	Item No.
FRS 10x25 TPS F	M 10 x 25	50	4.300	**6407536**
FRS 10x25 TPS A2	M 10 x 25	50	4.000	**6407537**

St Steel V2A Stainless steel, A2

F Hot-dip galvanised

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





Hexagonal bolt

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKS 10x60 F	M 10 x 60	60	10	17	20	6.000	**6408516**

St Steel

F Hot-dip galvanised

Hexagonal bolt for universal fixing of structure components.

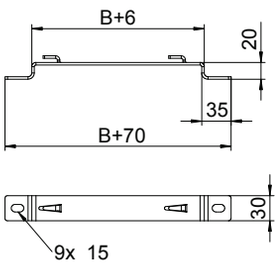




04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Stand-off bracket





Type	Dim. B mm	Pack. pcs	Weight kg/100 pcs.	Item No.
DBLG 20 050 FS	50	20	10.300	**6015646**
DBLG 20 100 FS	100	20	13.800	**6015654**
DBLG 20 150 FS	150	20	17.400	**6015658**
DBLG 20 200 FS	200	20	20.900	**6015662**
DBLG 20 300 FS	300	20	37.300	**6015670**
DBLG 20 400 FS	400	20	46.700	**6015689**
DBLG 20 500 FS	500	25	56.900	**6015693**
DBLG 20 600 FS	600	25	66.400	**6015697**
DBLG 20 050 FT	50	20	10.700	**6015648**
DBLG 20 100 FT	100	20	14.300	**6015656**
DBLG 20 150 FT	150	20	18.100	**6015660**
DBLG 20 200 FT	200	20	21.700	**6015664**
DBLG 20 300 FT	300	20	38.800	**6015672**
DBLG 20 400 FT	400	20	48.600	**6015691**
DBLG 20 500 FT	500	25	59.200	**6015695**
DBLG 20 600 FT	600	25	69.100	**6015699**

St Steel

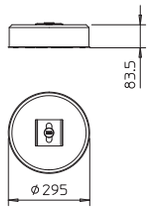
FS Strip-galvanised FT Hot-dip galvanised

Screwless fastening of the mesh cable tray on the stand-off bracket.

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

Tray fastening system set 10 kg with TrayFix large



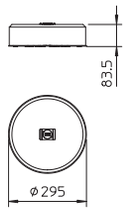


Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-10-L	100	1	1,100.000	**5403101**

- Mounting system for the fastening of mesh cable trays and cable trays on FangFix stone e.g. cable routing on a flat roof.
- Adapted to OBO cable tray systems MKSM, SKSM and IKSM
- Adapted to OBO mesh cable tray systems with a minimum width of 100 mm
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix-System 10 kg

Tray fastening system set 10 kg with TrayFix small



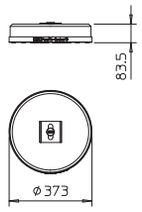


Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-10-S	100	1	1,000.000	**5403102**

- Mounting system for the fastening of mesh cable trays and cable trays on FangFix stone e.g. cable routing on a flat roof.
- Adapted to OBO mesh cable systems with a minimum width of 100 mm
- Set consisting of clamping piece, fastening plug and concrete block including base for FangFix-System 10 kg

Tray fastening system set 16 kg with TrayFix large





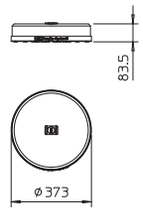
Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-L	100	1	1,700.000	**5403098**

- Mounting system for the fastening of mesh cable trays and cable trays on FangFix stone e.g. cable routing on a flat roof.
- Adapted to OBO cable tray systems MKSM, SKSM and IKSM
- Adapted to OBO mesh cable tray systems with a minimum width of 100 mm
- Set consisting of TrayFix mounting adapter and concrete block including base for FangFix-System 16 kg

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Tray fastening system set 16 kg with TrayFix small

Type	From tray width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
TrayFix-16-S	100	1	1,700.000	**5403099**

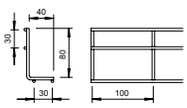




- Mounting system for the fastening of mesh cable trays and cable trays on FangFix stone e.g. cable routing on a flat roof.
- Adapted to OBO mesh cable systems with a minimum width of 100 mm
- Set consisting of clamping piece, fastening plug and concrete block including base for FangFix-System 16 kg

Mesh angle

Type	Length mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GW 40 80 FT	2000	4.4	50	63.000	**6003818**





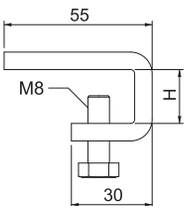
St Steel

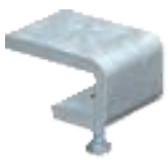
FT Hot-dip galvanised

Mesh angle for routing cables in steel girders.

Beam clamp

Type	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
KL 20 FT	20	10	22.000	**6003850**
KL 30 FT	30	10	24.000	**6003869**





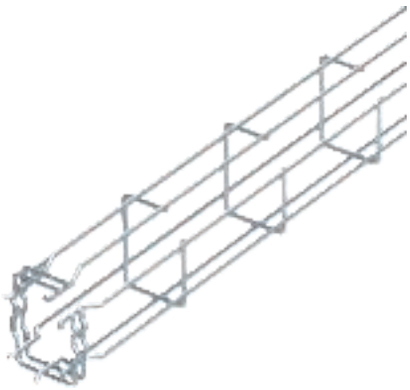
St Steel

FT Hot-dip galvanised

When selecting the beam clamp, please take the flange thickness of the steel girder into account.

Beam clamp for fastening the mesh angle, type GW 40/80 to steel girders.

G mesh cable tray Magic, side height 50 mm



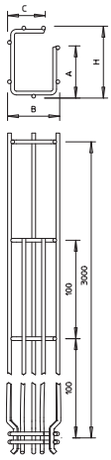
Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 50 50 G	50	3.9	3	67.100	**6005535**
G-GRM 50 50 FT	50	3.9	3	68.600	**6005520**
G-GRM 50 50V2A	50	3.9	3	67.100	**6005550**
G-GRM 50 50V4A	50	3.9	3	67.100	**6005565**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Dimensions



Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm	Wire Ø mm
G-GRM 50 50 G	3000	55	55	33	40	3.9

Load

G-GRM 50/50

	Support spacing [m]			
	Load [kN/m]			
Fastening variant	**1**	**1.5**	**2**	**2.5**
Wall fastening K12 1818	0.2	0.15	0.1	0.05
Ceiling fastening K12 1818	0.25	0.2	0.10	0.05

Hook rail for G mesh cable tray



Type	Length mm	Width mm	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
G-GRM-R50 FS	50	25	15	25	2.300	**6005605**
G-GRM-R50VA4301	50	25	15	25	2.300	**6005635**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

G mesh cable tray Magic, side height 75 mm

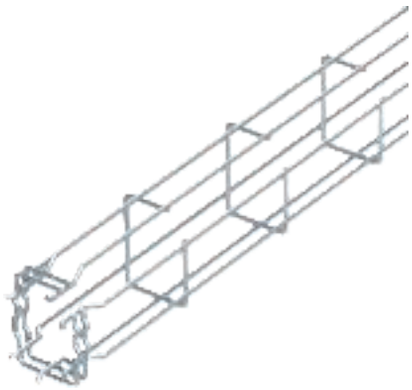
Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 75 50 G	75	3.9	3	79.900	**6005538**
G-GRM 75 50 FT	75	3.9	3	81.700	**6005523**
G-GRM 75 50V2A	75	3.9	3	79.900	**6005553**
G-GRM 75 50V4A	75	3.9	3	79.900	**6005568**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

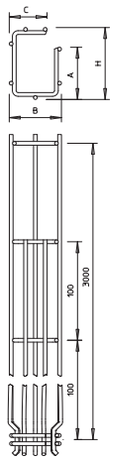
G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.



Dimensions

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm	Wire Ø mm
G-GRM 75 50 G	3000	53	73	40	53	3.9



Load

G-GRM 75/50

	Support spacing [m]			
	Load [kN/m]			
Fastening variant	**1**	**1.5**	**2**	**2.5**
Bracket MWAG 12-11	-	-	-	-
Wall fastening K12 1818	0.3	0.2	0.15	0.1
Ceiling fastening K12 1818	0.35	0.2	0.15	0.1

Hook rail for G mesh cable tray

Type	Length mm	Width mm	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
G-GRM-R75 FS	55	25	15	25	2.400	**6005607**
G-GRM-R75VA4301	55	25	15	25	2.400	**6005637**

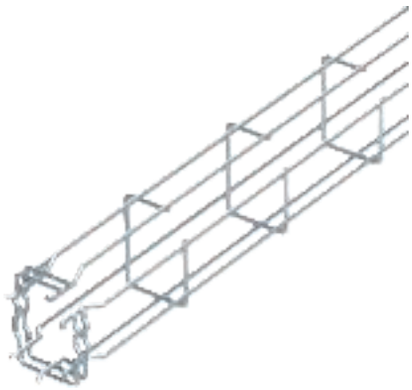
St Steel V2A Stainless steel, grade 304

FS Strip-galvanised



04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

G mesh cable tray Magic, side height 125 mm



Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 125 75 G	125	3.9	3	108.000	**6005541**
G-GRM 125 75 FT	125	3.9	3	113.670	**6005526**
G-GRM 125 75V2A	125	3.9	3	108.000	**6005556**
G-GRM 125 75V4A	125	3.9	3	108.000	**6005571**

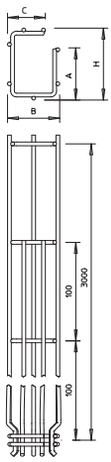
St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

Dimensions



Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm	Wire Ø mm
G-GRM 125 75 G	3000	75	125	40	96	3.9

Load

G-GRM 125/75

	Support spacing [m]			
	Load [kN/m]			
Fastening variant	**1**	**1.5**	**2**	**2.5**
Bracket MWAG 12-11	0.6	0.35	0.3	0.2
Wall fastening K12 1818	0.25	0.25	0.2	0.15
Ceiling fastening K12 1818	0.3	0.25	0.2	0.15

Hook rail for G mesh cable tray



Type	Length mm	Width mm	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
G-GRM-R125 FS	105	25	15	25	4.600	**6005612**
G-GRM-R125VA4301	105	25	15	25	4.600	**6005642**

St Steel V2A Stainless steel, grade 304

FS Strip-galvanised

04 KTS Broschüre Gitterrinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

G mesh cable tray Magic, side height 150 mm

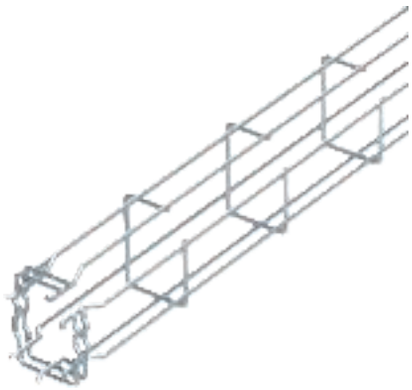
Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
G-GRM 150 100 G	150	3.9	3	128.000	**6005544**
G-GRM 150 100 FT	150	3.9	3	130.900	**6005529**
G-GRM 150 100V2A	150	3.9	3	128.000	**6005559**
G-GRM 150 100V4A	150	3.9	3	128.000	**6005574**

St Steel V2A Stainless steel, grade 304 V4A Stainless steel, grade 316

G Electrogalvanised FT Hot-dip galvanised

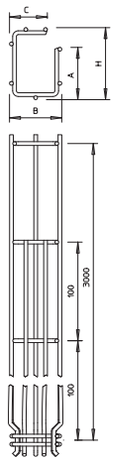
G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.



Dimensions

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm	Wire Ø mm
G-GRM 150 100 G	3000	100	155	70	120	3.9



Load

G-GRM 150/100

	Support spacing [m]			
	Load [kN/m]			
Fastening variant	**1**	**1.5**	**2**	**2.5**
Bracket MWAG 12-11	0.6	0.5	0.35	0.3
Wall fastening K12 1818	0.25	0.2	0.15	0.1
Ceiling fastening K12 1818	0.25	0.25	0.15	0.1

Hook rail for G mesh cable tray

Type	Length mm	Width mm	Side height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
G-GRM-R150 FS	110	25	15	25	4.800	**6005615**
G-GRM-R150VA4301	110	25	15	25	4.800	**6005645**

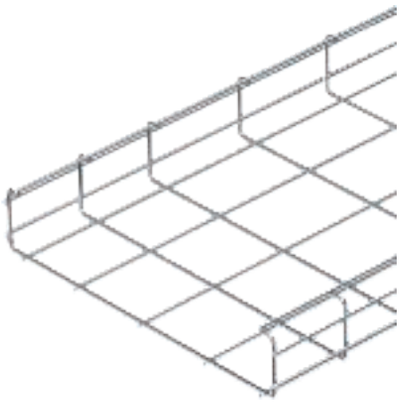
St Steel V2A Stainless steel, grade 304

FS Strip-galvanised



04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

C mesh cable tray CGR

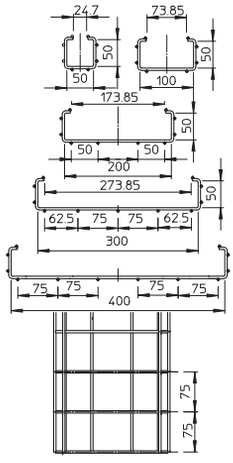


Type	Side height mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
CGR 50 50 FT	50	4.5	3	128.670	**6017428**
CGR 50 100 FT	50	4.5	3	136.667	**6017436**
CGR 50 200 FT	50	4.5	3	173.340	**6017444**
CGR 50 300 FT	50	4.5	3	204.340	**6017452**
CGR 50 400 FT	50	4.5	3	240.000	**6017460**
CGR 50 50 VA4301	50	4.5	3	124.670	**6016200**
CGR 50 100VA4301	50	4.5	3	131.667	**6016235**
CGR 50 200VA4301	50	4.5	3	169.000	**6016251**
CGR 50 300VA4301	50	4.5	3	195.340	**6016253**
CGR 50 400VA4301	50	4.5	3	222.334	**6016255**

St Steel V2A Stainless steel, grade 304
GB Stained FT Hot-dip galvanised

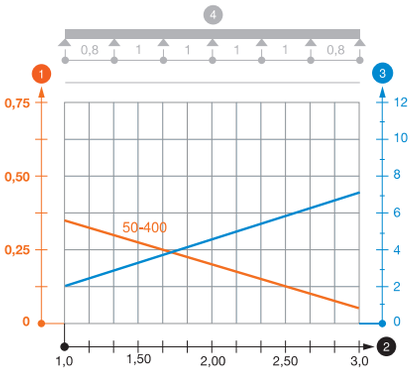
C-shaped mesh cable tray made of spot-welded steel wire of side height 50 mm.

Dimensions



Type	Length mm	Width mm	Wire Ø mm	Useful cross-section cm²
CGR 50 50 FT	3000	50	4.5	13
CGR 50 100 FT	3000	100	4.5	34
CGR 50 200 FT	3000	200	4.5	75
CGR 50 300 FT	3000	300	4.5	116
CGR 50 400 FT	3000	400	4.5	157

Load



Type	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
CGR 50 50 FT	0.95	0.6	0.35
CGR 50 100 FT	0.95	0.6	0.35
CGR 50 200 FT	1.1	0.7	0.4
CGR 50 300 FT	1.1	0.7	0.4
CGR 50 400 FT	1.1	0.7	0.4

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

04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Barrier strip

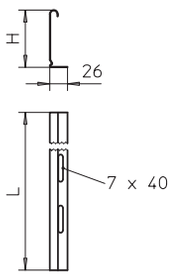
Type	Dim. H mm	Plate thickness mm	Dim. L mm	Pack. m	Weight kg/100 m	Item No.
TSG 30 DD	30	0.75	3000	3	38.000	**6062314**
TSG 30 VA4301	30	0.75	3000	3	37.670	**6062052**

St Steel V2A Stainless steel, grade 304

DD Strip galvanised zinc/aluminium, Double Dip

Barrier strip for separation of cables of different voltages or functions.



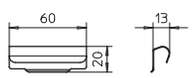


Barrier strip connector

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TSGV VA4310	10	0.923	**6067970**

V2A Stainless steel, grade 301

Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



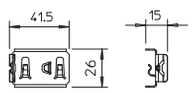


Hold-down clamp for barrier strip fastening

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KS GR VA4310	30	0.830	**6062282**

V2A Stainless steel, grade 301

Hold-down clamp for fastening barrier strips in mesh cable trays.





Hold-down clamp for barrier strip fastening

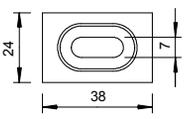
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 FT	20	2.400	**6017061**
GKT 38 VA4301	20	2.200	**6017045**

St Steel V2A Stainless steel, grade 304

FT Hot-dip galvanised

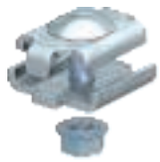
Including FRS M6 x 20 bolt with flange nut.

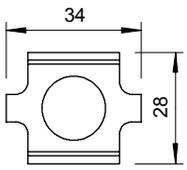
Clamp for fastening barrier strip in mesh cable trays.

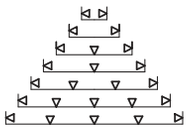




Joint connector







Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 34 FT	20	3.000	**6016634**
GSV 34 VA4301	20	3.000	**6016642**

St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

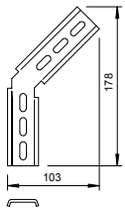
Including FRS M6 x 20 bolt with flange nut.

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.
50-150 mm = 2 units
200-300 mm = 3 units
400-450 mm = 4 units
500-600 mm = 5 units

45° mounting angle





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MW 45 SL10 FT	20	21.000	**6017320**
MW 45 SL10VA4301	20	20.000	**6017339**

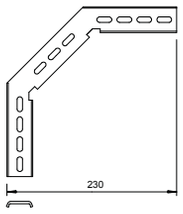
St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

Each with two clamps of type KS 23/35.

45° installation profile, vertical, for C mesh cable tray and GR-Magic® mesh cable tray with a side height of 55 mm.

90° mounting angle





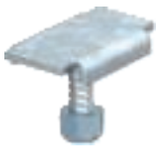
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
MW 90 SL17 FT	20	27.000	**6017347**
MW 90 SL23 FT	20	35.400	**6017355**
MW 90 SL17VA4301	20	27.000	**6016278**
MW 90 SL23VA4301	20	34.700	**6016308**

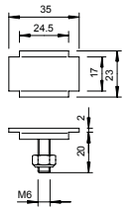
St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

Each with two clamps of type KS 23/35.

90° installation profile, vertical, for C mesh cable tray and GR-Magic® mesh cable tray with a side height of 55 mm.

Hold-down clamp





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KS 23 35 FT	100	2.015	**6015174**
KS 23 35 VA4301	20	2.015	**6016529**

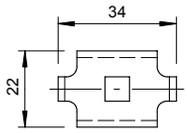
St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

Including M6 locknut.

Clamp for mounting bracket, type MW 45 and MW 90.

Hold-down clamp





Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKS 34 FT	20	2.000	**6016820**
GKS 34 VA4301	20	2.000	**6016839**

St Steel V2A Stainless steel, grade 304
FT Hot-dip galvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fixing mesh cable trays to wall or support brackets.

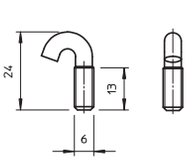
04 KTS Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Hook screw

Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
HS M6x13 A2	M6	100	0.612	**1154990**

V2A Stainless steel, A2

Hook screw for fastening cable tracks on the bracket.



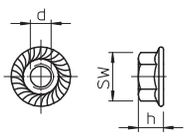


Flange nut

Type	Dim. d mm	Dim. h mm	SW mm	Resistance class	Pack. pcs	Weight kg/100 pcs.	Item No.
KM M6 A2	6	6	10	A2-70	100	0.315	**6408966**

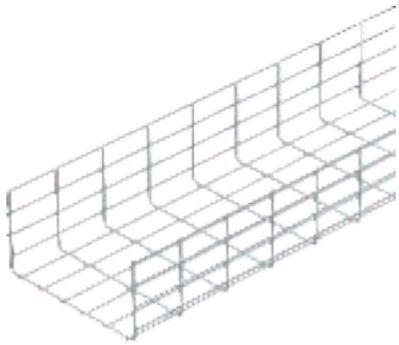
V2A Stainless steel, A2

Combination nut with washer based on EN 1661.





Mesh cable tray GR



Type	Length mm	Wire Ø mm	Pack. m	Weight kg/100 m	Item No.
GR 155 300 G	3000	6	3	426.340	**6003681**
GR 155 450 G	3000	6	3	524.670	**6003684**
GR 155 500 G	3000	6	3	557.340	**6003685**
GR 155 600 G	3000	6	3	622.340	**6003687**

St Steel

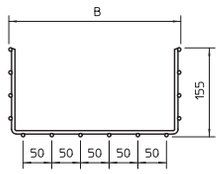
G Electrogalvanised

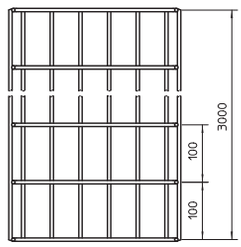
The grid width is 50 x 100 mm.

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.

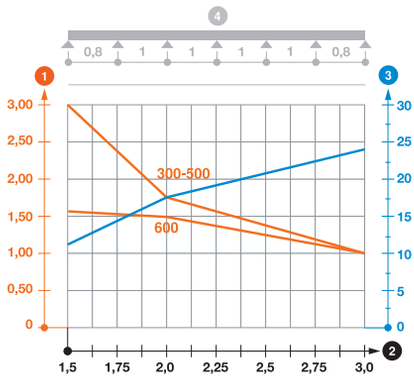
Dimensions





Type	Length mm	Dim. B mm	Wire Ø mm	Useful cross-section cm²
GR 155 300 G	3000	300	6	438
GR 155 450 G	3000	450	6	663
GR 155 500 G	3000	500	6	738
GR 155 600 G	3000	600	6	888

Load



Type	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
GR 155 300 G	3	1.8	1
GR 155 450 G	3	1.8	1
GR 155 500 G	3	1.8	1
GR 155 600 G	1.56	1.5	1

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 Broschüre Gitterinnen 2017 / en / 03/08/2017 (LLExport_04607) / 03/08/2017

Barrier strip

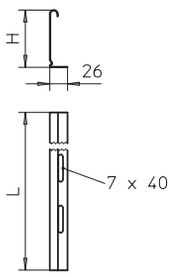
Type	Dim. H mm	Plate thickness mm	Dim. L mm	Pack. m	Weight kg/100 m	Item No.
TSG 135 FS	135	0.75	3000	3	100.000	**6062132**

St Steel

FS Strip-galvanised

Barrier strip for separation of cables of different voltages or functions.





Hold-down clamp

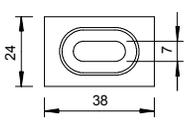
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GKT 38 G	20	2.300	**6017037**

St Steel

G Electrogalvanised

Including FRS M6 x 20 bolt with flange nut.

Clamp for fastening barrier strip in mesh cable trays.





Joint connector

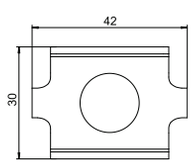
Type	Pack. pcs	Weight kg/100 pcs.	Item No.
GSV 6.0 G	20	5.000	**6016589**

St Steel

G Electrogalvanised

Including FRS M6 x 20 bolt with combination nut.

Screwed version of joint connector for mesh cable trays with 6.0 mm wire thickness.



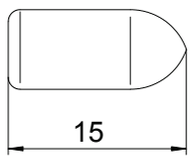


End cap

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
GR KS 6.0 OR	Pure orange	500	0.036	**6003758**

PVC Polyvinylchloride

End cap to cover cut wire ends of mesh cable trays.



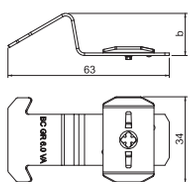


Hold-down clip

Type	Dim. b mm	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
BC GR 6.0 VA	19	For wire Ø 6.0 mm	20	1.760	**6016668**

V2A Stainless steel, grade 301

Hold-down clip for the screwless mounting of mesh cable trays onto MS profile rails.





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