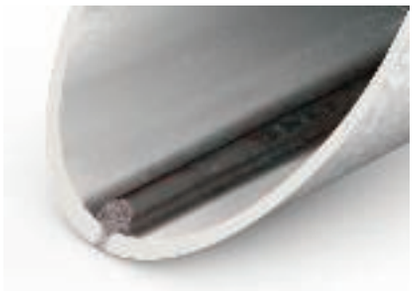
OBO metal pipe systems



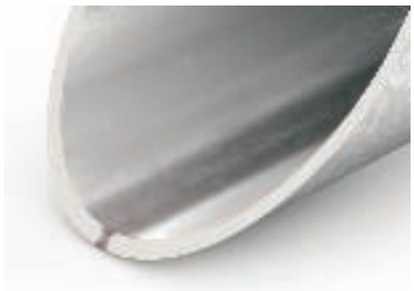
THINK CONNECTED.

More effective work with precision steel pipes





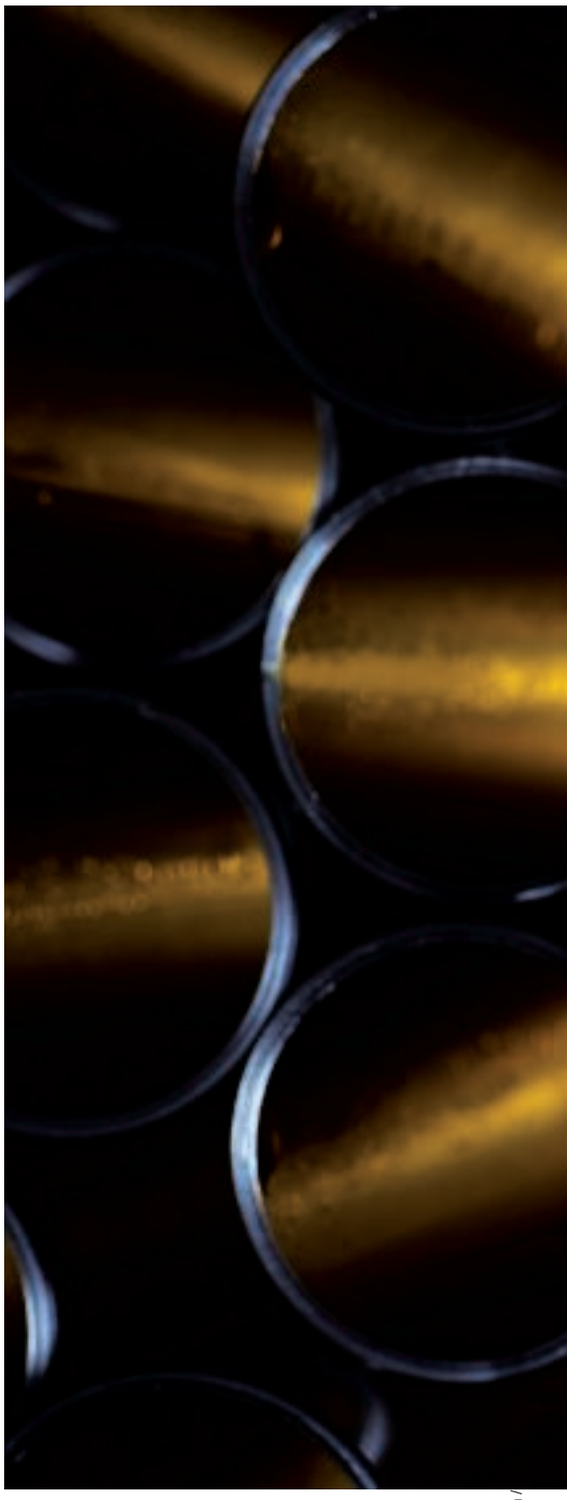
Structure with weld seam area, not scraped

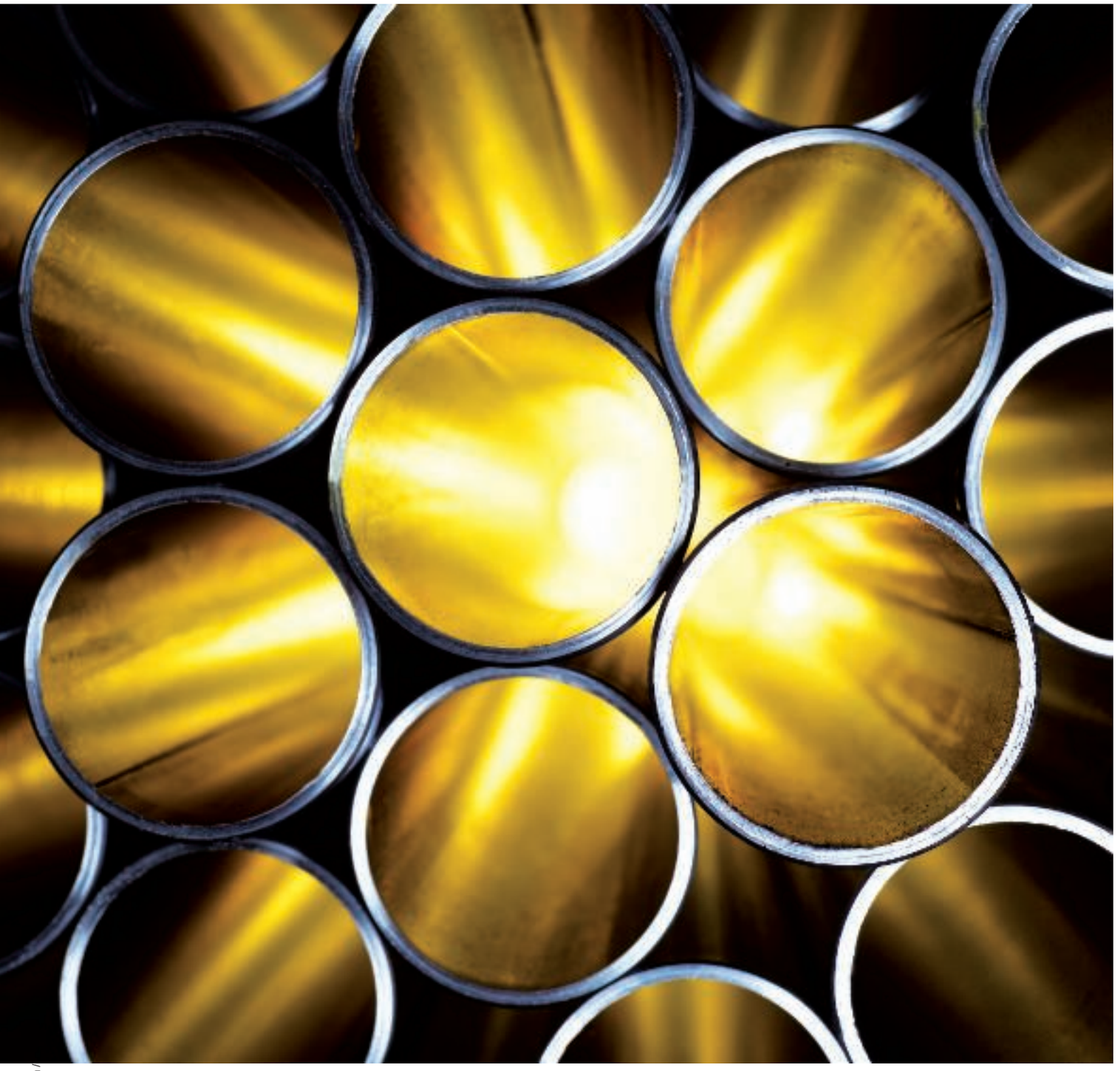


Structure with weld seam area, scraped

Increased precision, simpler installation
When producing steel pipes, the machining process creates a bulge along the welding seam.

The OBO precision steel pipes have the annoying bulge removed directly after welding. This means that the inside of the pipes is completely smooth – and cables can be pushed through without any problems. This saves the installation engineer valuable time.





Basic principles of the IEC classification of pipe systems

The OBO Bettermann pipe systems are machined and tested according to IEC EN 61386 "Conduit systems for cable management" and IEC EN 60423 "Conduit systems for cable management - Outside diameters of conduits for electrical installations and threads for conduits and fittings".

IEC EN 61386

Standard	Contents
EN 61386-1	General requirements
EN 61386-21	Particular requirements - Rigid conduit systems
EN 61386-22	Particular requirements - Pliable conduit systems
EN 61386-23	Particular requirements - Flexible conduit systems
EN 61386-24	Particular requirements - Conduit systems buried underground
EN 61386-25	Particular requirements - Conduit fixing devices

Classification according to IEC EN 61386-1 – Part 1: General requirements

Digit	Contents
1st digit	Resistance to compression
2nd digit	Resistance to impact
3rd digit	Lower temperature range
4th digit	Upper temperature range
5th digit	Resistance to bending
6th digit	Electrical characteristics
7th digit	Resistance against ingress of solid objects
8th digit	Resistance against ingress of water
9th digit	Resistance against corrosion
10th digit	Tensile strength
11th digit	Resistance to flame propagation
12th digit	Suspended load capacity

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IEC classification 1st to 5th digit as numeric code on the product

Numeric code

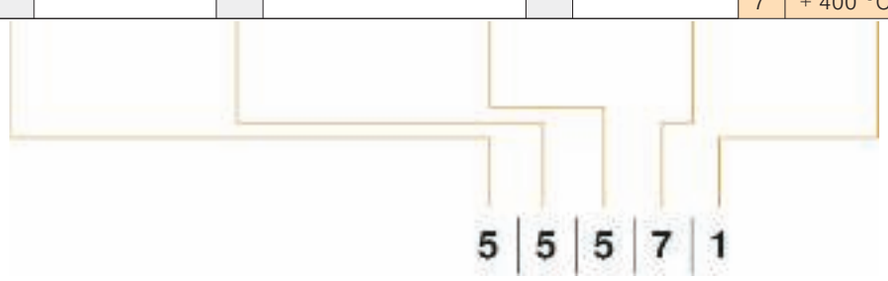
You can find the first five digits in the product descriptions of the pipe systems. The table below provides an overview of the different meanings of the numbers.



Numeric code on the product

Classification code according to IEC EN 61386: With application example (orange)

	First digit		Second digit		Third digit		Fourth digit		Fifth digit
	Resistance to compression		**Resistance to impact**		**Lower temperature range**		**Upper temperature range**		**Resistance to bending**
1	Very light (125 N)	**1**	Very light (0.5 kg/100 mm)	**1**	+ 5 °C	**1**	+ 60 °C	1	Rigid
2	Light (320 N)	**2**	Light (1.0 kg/100 mm)	**2**	– 5 °C	**2**	+ 90 °C	**2**	Pliable
3	Medium (750 N)	**3**	Medium (2.0 kg/100 mm)	**3**	– 15 °C	**3**	+ 105 °C	**3**	Pliable, self-recovering
4	Heavy (1250 N)	**4**	Heavy (2.0 kg/300 mm)	**4**	– 25 °C	**4**	+ 120 °C	**4**	Flexible
5	Very heavy (4000 N)	5	Very heavy (6.8 kg/300 mm)	5	– 45 °C	**5**	+ 150 °C		
						6	+ 250 °C		
						7	+ 400 °C		



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IEC classification 7th to 9th digit

Classification according to IEC EN 61386-1: Combination of the IP code

	7th digit		8th digit
	Ingress of solid objects		**Ingress of water**
0		**0**	None specified
1		**1**	Protected against vertically falling water drops
2		2	Protected against vertically falling water drops, when the conduit system is tilted up to an angle of 15°
3	Protected against solid foreign objects of 2.5 mm Ø and greater	**3**	Protected against spraying water
4	Protected against solid foreign objects of 1.0 mm Ø and greater	**4**	Protected against splashing water
5	Dust-protected	**5**	Protected against water jets
6	Dust-tight	**6**	Protected against powerful water jets
7		**7**	Protected against the effects of temporary immersion in water



IP code: 5 2

Classification according to IEC EN 61386-1: Corrosion protection

	9th digit	
	Resistance against corrosion	**Suitable surfaces**
1	Low protection, inside and outside	
2	Medium protection, inside and outside	• Painted black (SW) • Electrogalvanised (G) • Strip galvanised (FS)
3	Medium protection inside, high protection outside	
4	High protection, inside and outside	• Hot-dip galvanised (FT) • Stainless steel (V2A, V4A)

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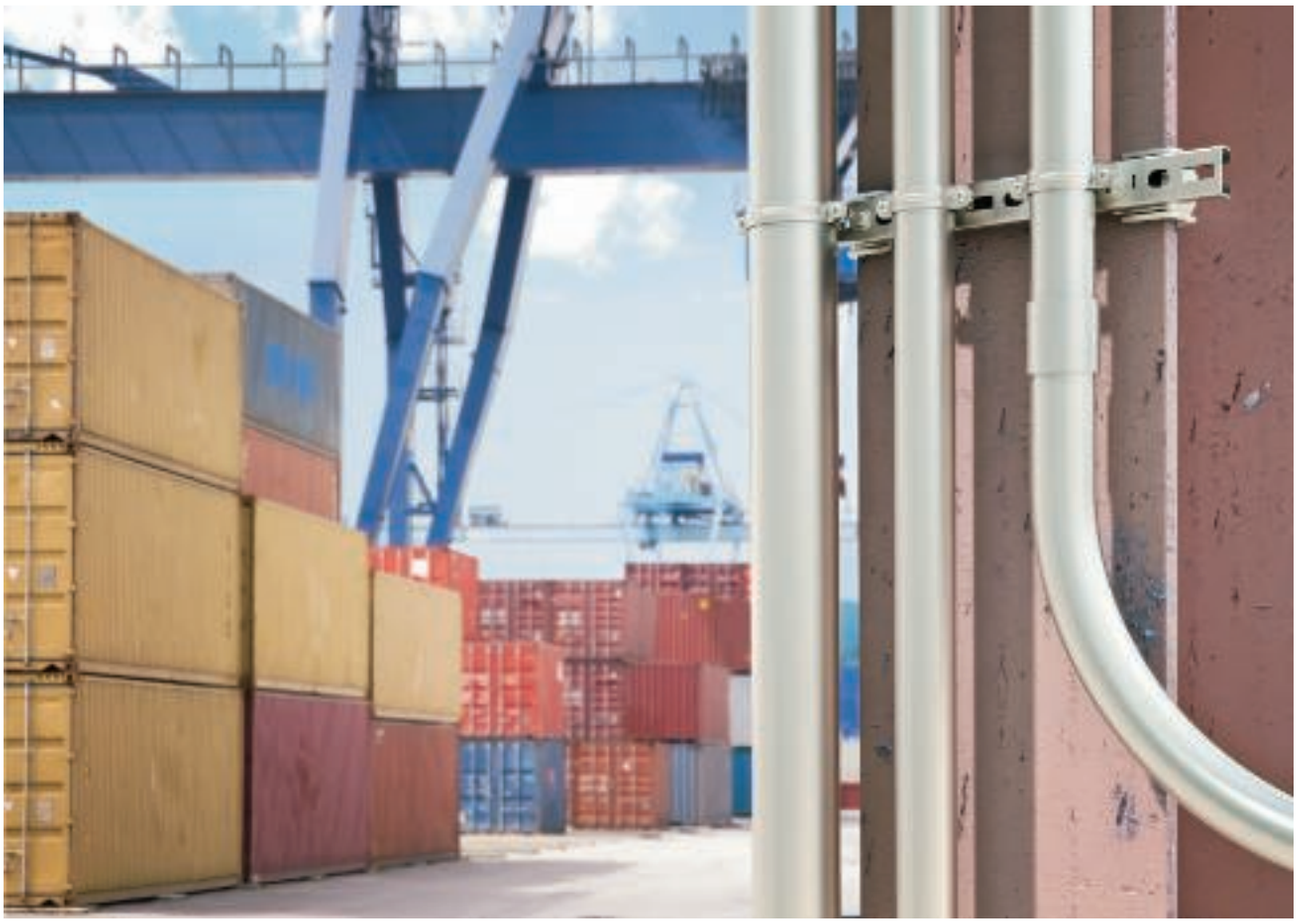
Mechanical load and function maintenance in case of fire

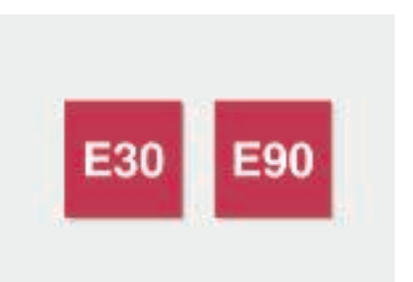


Protection against mechanical loads
OBO metal pipes are particularly suited to use under tough industrial conditions. They provide reliable protection against very heavy mechanical loads during cable routing.

The different material and surface qualities, from galvanised to painted, allow perfect adaptation to the requirements of the appropriate environment.

Function maintenance E30/E90
Our steel pipes guarantee function maintenance to E30/E90. They are thus ideal for the connection of safety-relevant equipment, such as fire alarm systems.





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OBO steel pipes and their classification
Overview

You can obtain the precision steel pipes as threaded and plug-in pipes, hot-dip galvanised, painted and electrogalvanised. The product range is completed with bends and couplings. Of course, they are also compatible with the entire OBO accessories range.



Classification of the steel pipes according to IEC EN 61386: Certification according to VDE

			1st digit		2nd digit		3rd digit		4th digit		5th digit		6th digit
Product	**Type**		**Compression resistance**		**Impact resistance**		**Lower temperature range**		**Upper temperature range**		**Bending resistance**		**Electrical characte**
Plug-in steel pipe, painted black	S...W SW	**4**	Heavy (1,250 N)	**4**	Heavy (2.0 kg/300 mm)	**5**	– 45 °C	**6**	+ 250 °C	**1**	Rigid	**0**	None de
Plug-in steel pipe, electrogalvanised	S...W G	**4**	Heavy (1,250 N)	**4**	Heavy (2.0 kg/300 mm)	**5**	– 45 °C	**7**	+ 400 °C	**1**	Rigid	**1**	With ele continuit characte
Plug-in steel pipe, hot-dip galvanised	S...W FT	**4**	Heavy (1,250 N)	**4**	Heavy (2.0 kg/300 mm)	**5**	– 45 °C	**7**	+ 400 °C	**1**	Rigid	**1**	With ele continuit racteristi
Threaded steel pipe, painted black	SM...W SW	**5**	Very heavy (4,000 N)	**5**	Very heavy (6.8 kg/300 mm)	**5**	– 45 °C	**6**	+ 250 °C	**1**	Rigid	**1**	With ele continuit racteristi
Threaded steel pipe, electrogalvanised	SM...W G	**5**	Very heavy (4,000 N)	**5**	Very heavy (6.8 kg/300 mm)	**5**	– 45 °C	**7**	+ 400 °C	**1**	Rigid	**1**	With ele continuit racteristi
Threaded steel pipe, hot-dip galvanised	SM...W FT	**5**	Very heavy (4,000 N)	**5**	Very heavy (6.8 kg/300 mm)	**5**	– 45 °C	**7**	+ 400 °C	**1**	Rigid	**1**	With ele continuit racteristi

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digit		7th digit		8th digit		9th digit		10thdigit		11th digit		12th digit
ctrical racteristics		Ingress of solid objects		Ingress of water		Resistance against corrosion		Tensile strength		Resistance to flame propagation		Suspen-ded load capacity
ne declared	4	Protected against solid foreign objects of 1.0 mm Ø and greater	0	None declared	2	Medium protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared
n electrical tinuity racteristics	4	Protected against solid foreign objects of 1.0 mm Ø and greater	0	None declared	2	Medium protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared
n electrical tinuity cha-teristics	4	Protected against solid foreign objects of 1.0 mm Ø and greater	0	None declared	4	High protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared
n electrical tinuity cha-teristics	5	Dust-protected	2	Protected against vertically falling water drops, tilted up to 15°	2	Medium protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared
n electrical tinuity cha-teristics	5	Dust-protected	2	Protected against vertically falling water drops, tilted up to 15°	2	Medium protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared
n electrical tinuity cha-teristics	5	Dust-protected	2	Protected against vertically falling water drops, tilted up to 15°	4	High protection, inside and outside	0	None declared	1	None-flame propagating	0	None de-clared

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Electrogalvanised steel pipes

Electrogalvanised steel pipe, with thread

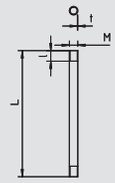


5 | 5 | 5 | 7 | 1

Type	Size	Dimension L mm	Dimension t mm	Thread		Pack. m	Weight kg/100 m	Item No.
SM16W G	16	3000	1.4	M16x1,5		30	50,390	**2046 86 1**
SM20W G	20	3000	1.6	M20x1,5		30	72,570	**2046 86 2**
SM25W G	25	3000	1.6	M25x1,5		30	92,290	**2046 86 3**
SM32W G	32	3000	1.6	M32x1,5		21	120,000	**2046 86 4**
SM40W G	40	3000	1.6	M40x1,5		15	151,450	**2046 86 5**
SM50W G	50	3000	1.6	M50x1,5		15	190,000	**2046 86 6**
SM63W G	63	3000	1.8	M63x1,5		9	287,700	**2046 86 7**

St Steel G Electrogalvanised price/100 m

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.
With burr-free inner wall. One coupling is already screwed onto each pipe.



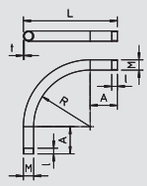
Electrogalvanised steel bend, with thread



Type	Size	Dimension L mm	Dimension t mm	Dimension R mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W G	16	113	1.4	47	M16x1,5		15	8,800	**2046 86 8**
SBM20W G	20	160	1.6	80	M20x1,5		25	19,000	**2046 86 9**
SBM25W G	25	182.5	1.6	77.5	M25x1,5		25	27,800	**2046 87 0**
SBM32W G	32	206	1.6	114	M32x1,5		20	38,900	**2046 87 1**
SBM40W G	40	300	1.6	180	M40x1,5		15	71,800	**2046 87 2**
SBM50W G	50	325	1.6	175	M50x1,5		5	98,100	**2046 87 3**
SBM63W G	63	411.5	1.8	218.5	M63x1,5		3	177,300	**2046 87 4**

St Steel G Electrogalvanised /100 pc.

Accessory part: 90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to EN 60423. With burr-free inner wall.
One coupling is already screwed onto each pipe bend.



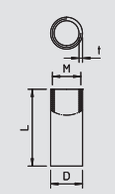
Electrogalvanised steel coupling, with thread



Type	Size	Dimension L mm	Dimension D mm	Dimension t mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W G	16	26	18.5	2	M16x1,5		25	2,110	**2046 87 5**
SVM20W G	20	30	22.5	2	M20x1,5		50	3,030	**2046 87 6**
SVM25W G	25	40	27.5	2	M25x1,5		50	5,030	**2046 87 7**
SVM32W G	32	40	35.5	2.5	M32x1,5		50	8,130	**2046 87 8**
SVM40W G	40	45	43.5	2.5	M40x1,5		25	11,370	**2046 87 9**
SVM50W G	50	54	53.5	2.5	M50x1,5		10	16,970	**2046 88 0**
SVM63W G	63	60	68	3.2	M63x1,5		5	30,670	**2046 88 1**

St Steel G Electrogalvanised /100 pc.

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.



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Always indicate the item number when ordering.



Electrogalvanised steel pipe, without thread

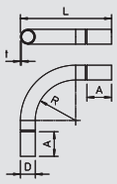
Type	Size	Dimension L mm	Dimension t mm		Pack. m	Weight kg/100 m	Item No.
S16W G	16	3000	1		30	37,000	**2046 84 0**
S20W G	20	3000	1		30	46,900	**2046 84 1**
S25W G	25	3000	1.2		30	70,400	**2046 84 2**
S32W G	32	3000	1.2		21	91,100	**2046 84 3**
S40W G	40	3000	1.2		15	114,780	**2046 84 4**
S50W G	50	3000	1.2		15	144,000	**2046 84 5**
S63W G	63	3000	1.2		9	227,500	**2046 84 6**

St Steel G Electrogalvanised price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



4 4 5 7 1



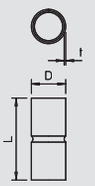
Electrogalvanised steel bend, without thread

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W G	16	114.3	1	50.7		15	8,000	**2046 84 7**
SB20W G	20	116.55	1.2	58.45		25	12,000	**2046 84 8**
SB25W G	25	144.05	1.2	65.95		25	18,000	**2046 84 9**
SB32W G	32	172.6	1.2	62.4		20	27,800	**2046 85 0**
SB40W G	40	271.9	1.5	148.1		15	66,800	**2046 85 1**
SB50W G	50	320	1.5	173.05		5	95,900	**2046 85 2**
SB63W G	63	418.5	1.5	216.55		3	211,000	**2046 85 3**

St Steel G Electrogalvanised /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.





Electrogalvanised steel coupling, without thread

Type	Size	Dimension L mm	Dimension D mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W G	16	50	18.6	1		25	2,200	**2046 85 4**
SV20W G	20	60	23.1	1.2		50	3,900	**2046 85 5**
SV25W G	25	60	28.1	1.2		50	4,800	**2046 85 6**
SV32W G	32	70	35.2	1.2		50	7,000	**2046 85 7**
SV40W G	40	80	43.8	1.5		25	12,500	**2046 85 8**
SV50W G	50	100	54	1.5		10	19,500	**2046 85 9**
SV63W G	63	100	67	1.5		5	24,700	**2046 86 0**

St Steel G Electrogalvanised /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



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Black painted steel pipes

Black painted steel pipe, with thread

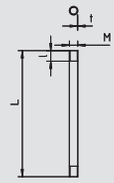


5 | 5 | 5 | 6 | 1

Type	Size	Dimension L mm	Dimension t mm	Thread	Colour		Pack. m	Weight kg/100 m	Item No.
SM16W SW	16	3000	1.4	M16x1,5	Black		30	50,000	**2046 50 0**
SM20W SW	20	3000	1.6	M20x1,5	Black		30	73,000	**2046 50 1**
SM25W SW	25	3000	1.6	M25x1,5	Black		30	92,000	**2046 50 2**
SM32W SW	32	3000	1.6	M32x1,5	Black		21	120,000	**2046 50 3**
SM40W SW	40	3000	1.6	M40x1,5	Black		15	152,000	**2046 50 5**
SM50W SW	50	3000	1.6	M50x1,5	Black		15	190,700	**2046 50 6**
SM63W SW	63	3000	1.8	M63x1,5	Black		9	287,700	**2046 50 7**

St Steel L Painted price/100 m

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.
With burr-free inner wall. One coupling is already screwed onto each pipe.



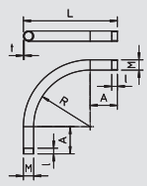
Black painted steel bend, with thread



Type	Size	Dimension L mm	Dimension t mm	Dimension R mm	Thread	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W SW	16	113	1.4	47	M16x1,5	Black		15	8,800	**2046 51 1**
SBM20W SW	20	160	1.6	80	M20x1,5	Black		25	19,000	**2046 51 3**
SBM25W SW	25	182.5	1.6	77.5	M25x1,5	Black		25	27,800	**2046 51 4**
SBM32W SW	32	206	1.6	114	M32x1,5	Black		20	38,900	**2046 51 5**
SBM40W SW	40	300	1.6	180	M40x1,5	Black		15	71,800	**2046 51 6**
SBM50W SW	50	325	1.6	175	M50x1,5	Black		5	98,100	**2046 51 7**
SBM63W SW	63	411.5	1.8	218.5	M63x1,5	Black		3	177,300	**2046 51 8**

St Steel L Painted /100 pc.

Accessory part: 90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to EN 60423. With burr-free inner wall.
One coupling is already screwed onto each pipe bend.



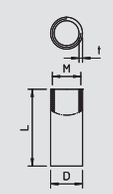
Black painted steel coupling, with thread



Type	Size	Dimension L mm	Dimension D mm	Dimension t mm	Thread	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W SW	16	26	18.5	2	M16x1,5	Black		25	2,100	**2046 52 2**
SVM20W SW	20	30	22.5	2	M20x1,5	Black		50	3,000	**2046 52 3**
SVM25W SW	25	40	27.5	2	M25x1,5	Black		50	5,000	**2046 52 4**
SVM32W SW	32	40	35.5	2.5	M32x1,5	Black		50	8,100	**2046 52 5**
SVM40W SW	40	45	43.5	2.5	M40x1,5	Black		25	11,400	**2046 52 6**
SVM50W SW	50	54	53.5	2.5	M50x1,5	Black		10	17,000	**2046 52 7**
SVM63W SW	63	60	68	3.2	M63x1,5	Black		5	30,700	**2046 52 8**

St Steel L Painted /100 pc.

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.



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Always indicate the item number when ordering.



Black painted steel pipe, without thread

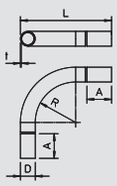
Type	Size	Dimension L mm	Dimension t mm	Colour		Pack. m	Weight kg/100 m	Item No.
S16W SW	16	3000	1	Black		30	37,000	**2046 56 5**
S20W SW	20	3000	1	Black		30	47,000	**2046 56 6**
S25W SW	25	3000	1.2	Black		30	70,000	**2046 56 7**
S32W SW	32	3000	1.2	Black		21	91,000	**2046 56 8**
S40W SW	40	3000	1.2	Black		15	114,700	**2046 56 9**
S50W SW	50	3000	1.2	Black		15	144,000	**2046 57 0**
S63W SW	63	3000	1.2	Black		9	182,700	**2046 57 1**

St Steel L Painted price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



4 4 5 6 1



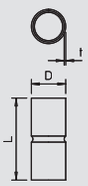
Black painted steel bend, without thread

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W SW	16	114.3	1	50.7	Black		15	8,000	**2046 57 5**
SB20W SW	20	116.55	1.2	58.45	Black		25	12,000	**2046 57 6**
SB25W SW	25	144.05	1.2	65.95	Black		25	18,000	**2046 57 7**
SB32W SW	32	172.6	1.2	62.4	Black		20	27,800	**2046 57 8**
SB40W SW	40	271.9	1.5	148.1	Black		15	66,800	**2046 57 9**
SB50W SW	50	320	1.5	173.05	Black		5	95,900	**2046 58 0**
SB63W SW	63	418.5	1.5	216.55	Black		3	211,000	**2046 58 1**

St Steel L Painted /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.





Black painted steel coupling, without thread

Type	Size	Dimension L mm	Dimension D mm	Dimension t mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W SW	16	50	18.6	1	Black		25	2,400	**2046 58 2**
SV20W SW	20	60	23.1	1.2	Black		50	4,000	**2046 58 3**
SV25W SW	25	60	28.1	1.2	Black		50	5,200	**2046 58 4**
SV32W SW	32	70	35.2	1.2	Black		50	7,200	**2046 58 5**
SV40W SW	40	80	43.8	1.5	Black		25	13,200	**2046 58 6**
SV50W SW	50	100	54	1.5	Black		10	20,000	**2046 58 7**
SV63W SW	63	100	67	1.5	Black		5	26,000	**2046 58 8**

St Steel L Painted /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



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Hot-dip galvanised steel pipes

Hot-dip galvanised steel pipe, with thread



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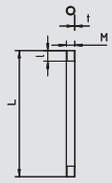
Type	Size	Dimension L mm	Dimension t mm	Thread		Pack. m	Weight kg/100 m	Item No.
SM16W FT	16	3000	1.4	M16x1,5		30	54,000	**2046 53 3**
SM20W FT	20	3000	1.6	M20x1,5		30	79,000	**2046 53 4**
SM25W FT	25	3000	1.6	M25x1,5		30	99,000	**2046 53 5**
SM32W FT	32	3000	1.6	M32x1,5		21	130,000	**2046 53 6**
SM40W FT	40	3000	1.6	M40x1,5		15	164,000	**2046 53 7**
SM50W FT	50	3000	1.6	M50x1,5		15	206,000	**2046 53 8**
SM63W FT	63	3000	1.8	M63x1,5		9	324,700	**2046 54 0**

St Steel FT Hot-dip galvanised price/100 m

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.
With burr-free inner wall. Corrosion protection class 4 (high). One coupling is already screwed onto each pipe.



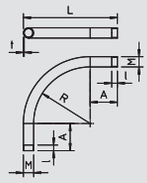
Hot-dip galvanised steel bend, with thread



Type	Size	Dimension L mm	Dimension t mm	Dimension R mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W FT	16	113	1.4	47	M16x1,5		15	10,700	**2046 54 5**
SBM20W FT	20	160	1.6	80	M20x1,5		25	21,600	**2046 54 6**
SBM25W FT	25	182.5	1.6	77.5	M25x1,5		25	32,800	**2046 54 8**
SBM32W FT	32	206	1.6	114	M32x1,5		20	46,000	**2046 54 9**
SBM40W FT	40	300	1.6	180	M40x1,5		15	83,300	**2046 55 0**
SBM50W FT	50	325	1.6	175	M50x1,5		5	120,000	**2046 55 1**
SBM63W FT	63	411.5	1.8	218.5	M63x1,5		3	223,330	**2046 55 2**

St Steel FT Hot-dip galvanised /100 pc.

Accessory part: 90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to EN 60423. With burr-free inner wall.
One coupling is already screwed onto each pipe bend.



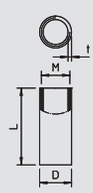
Hot-dip galvanised steel coupling, with thread



Type	Size	Dimension L mm	Dimension D mm	Dimension t mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W FT	16	26	18.5	2	M16x1,5		25	2,100	**2046 55 3**
SVM20W FT	20	30	22.5	2	M20x1,5		50	3,000	**2046 55 4**
SVM25W FT	25	40	27.5	2	M25x1,5		50	5,000	**2046 55 6**
SVM32W FT	32	40	35.5	2.5	M32x1,5		50	8,100	**2046 55 7**
SVM40W FT	40	45	43.5	2.5	M40x1,5		25	11,400	**2046 55 8**
SVM50W FT	50	54	53.5	2.5	M50x1,5		10	17,000	**2046 55 9**
SVM63W FT	63	60	68	3.2	M63x1,5		5	30,700	**2046 56 0**

St Steel FT Hot-dip galvanised /100 pc.

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.



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Always indicate the item number when ordering.



Hot-dip galvanised steel pipe, without thread

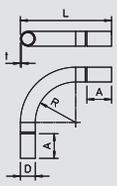
Type	Size	Dimension L mm	Dimension t mm		Pack. m	Weight kg/100 m	Item No.
S16W FT	16	3000	1		30	40,000	**2046 59 3**
S20W FT	20	3000	1		30	51,000	**2046 59 4**
S25W FT	25	3000	1.2		30	70,000	**2046 59 5**
S32W FT	32	3000	1.2		21	98,000	**2046 59 6**
S40W FT	40	3000	1.2		15	124,000	**2046 59 7**
S50W FT	50	3000	1.2		15	156,000	**2046 59 8**
S63W FT	63	3000	1.2		9	198,000	**2046 59 9**

St Steel FT Hot-dip galvanised price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high).



4 4 5 7 1



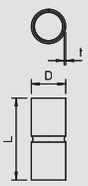
Hot-dip galvanised steel bend, without thread

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W FT	16	114.3	1	50.7		15	10,660	**2046 60 4**
SB20W FT	20	116.55	1.2	58.45		25	21,600	**2046 60 5**
SB25W FT	25	144.05	1.2	65.95		25	32,800	**2046 60 6**
SB32W FT	32	172.6	1.2	62.4		20	46,000	**2046 61 0**
SB40W FT	40	301.9	1.5	148.1		15	83,330	**2046 61 4**
SB50W FT	50	320	1.5	173.05		5	120,000	**2046 61 5**
SB63W FT	63	418.5	1.5	216.55		3	223,330	**2046 61 6**

St Steel FT Hot-dip galvanised /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.





Hot-dip galvanised steel coupling, without thread

Type	Size	Dimension L mm	Dimension D mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W FT	16	50	18.6	1		25	2,400	**2046 62 0**
SV20W FT	20	60	23.1	1.2		50	4,400	**2046 62 1**
SV25W FT	25	60	28.1	1.2		50	5,600	**2046 62 2**
SV32W FT	32	70	35.2	1.2		50	7,800	**2046 62 3**
SV40W FT	40	80	43.8	1.5		25	14,400	**2046 62 4**
SV50W FT	50	100	54	1.5		10	22,000	**2046 62 5**
SV63W FT	63	100	67	1.5		5	28,000	**2046 62 6**

St Steel FT Hot-dip galvanised /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



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Aluminium pipes

M



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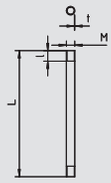
Aluminium pipe, with thread

Type	Size	Dimension L mm	Dimension t mm	Thread		Pack. m	Weight kg/100 m	Item No.
SM16W ALU	16	3000	1.6	M16x1,5		30	20,000	**2046 03 2**
SM20W ALU	20	3000	1.9	M20x1,5		30	30,000	**2046 03 3**
SM25W ALU	25	3000	1.9	M25x1,5		30	36,700	**2046 03 4**
SM32W ALU	32	3000	1.9	M32x1,5		30	50,000	**2046 03 5**
SM40W ALU	40	3000	1.9	M40x1,5		15	60,000	**2046 03 6**
SM50W ALU	50	3000	2.1	M50x1,5		15	86,700	**2046 03 7**
SM63W ALU	63	3000	2.1	M63x1,5		15	110,000	**2046 03 8**

Al Aluminium price/100 m

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.
With burr-free inner wall. One coupling is already screwed onto each pipe.



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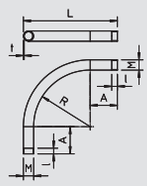
Aluminium pipe bend, with thread

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W ALU	16	150	1.6	56	M16x1,5		15	4,000	**2046 04 2**
SBM20W ALU	20	170	1.9	70	M20x1,5		25	7,000	**2046 04 3**
SBM25W ALU	25	208	1.9	90	M25x1,5		25	10,000	**2046 04 4**
SBM32W ALU	32	252	1.9	115	M32x1,5		20	15,000	**2046 04 5**
SBM40W ALU	40	300	1.9	145	M40x1,5		15	23,000	**2046 04 6**
SBM50W ALU	50	358	2.1	180	M50x1,5		5	37,000	**2046 04 7**
SBM63W ALU	63	423	2.1	225	M63x1,5		3	59,000	**2046 04 8**

Al Aluminium /100 pc.

Accessory part: 90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to EN 60423. With burr-free inner wall.
One coupling is already screwed onto each pipe bend.



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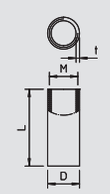
Aluminium coupling, with thread

Type	Size	Dimension L mm	Dimension D mm	Dimension t mm	Thread		Pack. pcs	Weight kg/100 pcs.	Item No.
SVM16W ALU	16	35	18.5	2.25	M16x1,5		50	1,000	**2046 05 2**
SVM20W ALU	20	35	22.5	2.25	M20x1,5		50	1,000	**2046 05 3**
SVM25W ALU	25	45	28	2.5	M25x1,5		50	2,000	**2046 05 4**
SVM32W ALU	32	45	35	2.5	M32x1,5		50	3,000	**2046 05 5**
SVM40W ALU	40	45	43.5	2.75	M40x1,5		20	4,000	**2046 05 6**
SVM50W ALU	50	55	53.5	2.75	M50x1,5		20	6,000	**2046 05 7**
SVM63W ALU	63	55	66.5	2.8	M63x1,5		20	7,000	**2046 05 8**

Al Aluminium /100 pc.

Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.



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Always indicate the item number when ordering.



Aluminium pipe, without thread

Type	Size	Dimension L mm	Dimension t mm		Pack. m	Weight kg/100 m	Item No.
S16W ALU	16	3000	1.2		30	15,067	**2046 00 2**
S20W ALU	20	3000	1.2		30	19,134	**2046 00 3**
S25W ALU	25	3000	1.3		30	26,134	**2046 00 4**
S32W ALU	32	3000	1.3		30	33,834	**2046 00 5**
S40W ALU	40	3000	1.4		15	45,800	**2046 00 6**
S50W ALU	50	3000	1.4		15	57,700	**2046 00 7**
S63W ALU	63	3000	1.7		15	88,334	**2046 00 8**

Al Aluminium price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.



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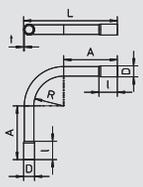


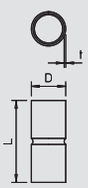
Aluminium bend, without thread

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W ALU	16	151	1.2	56		15	4,000	**2046 01 2**
SB20W ALU	20	171	1.2	70		25	6,000	**2046 01 3**
SB25W ALU	25	209	1.3	90		25	9,000	**2046 01 4**
SB32W ALU	32	253	1.3	115		20	12,000	**2046 01 5**
SB40W ALU	40	302	1.4	145		15	20,000	**2046 01 6**
SB50W ALU	50	360	1.4	180		5	31,000	**2046 01 7**
SB63W ALU	63	425	1.7	225		3	45,000	**2046 01 8**

Al Aluminium /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.





Aluminium coupling, without thread

Type	Dimension M	Dimension L mm	Dimension D mm	Dimension t mm	Size	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W ALU	16	40	16.2	1.2	–	50	1,000	**2046 02 2**
SV20W ALU	–	50	20.2	1.2	20	50	1,000	**2046 02 3**
SV25W ALU	–	60	25.2	1.2	25	50	2,000	**2046 02 4**
SV32W ALU	–	70	32.2	1.2	32	50	2,000	**2046 02 5**
SV40W ALU	–	70	40.2	1.4	40	20	3,000	**2046 02 6**
SV50W ALU	–	90	50.2	1.4	50	20	5,000	**2046 02 7**
SV63W ALU	–	110	63.2	1.5	63	20	9,000	**2046 02 8**

Al Aluminium /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



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Stainless steel pipes

Stainless steel pipe, V2A



5 5 5 7 1

Type	Size	Dimension L mm	Dimension t mm		Pack. m	Weight kg/100 m	Item No.
S16W V2A	16	3000	1		30	37,000	**2046 72 0**
S20W V2A	20	3000	1		30	46,900	**2046 72 1**
S25W V2A	25	3000	1		30	59,200	**2046 72 2**
S32W V2A	32	3000	1.2		21	91,200	**2046 72 3**
S40W V2A	40	3000	1.2		15	114,800	**2046 72 4**
S50W V2A	50	3000	1.5		15	179,400	**2046 72 5**
S63W V2A	63	3000	1.5		9	227,500	**2046 72 6**

V2A Stainless steel, grade 304 Brushed price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high). Classification according to EN 61386-1: 555711404010



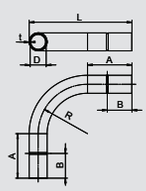
Stainless steel bend, V2A



Type	Size	Dimension L mm	Dimension t mm	Dimension R mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W V2A	16	104	1	50		15	7,250	**2046 73 0**
SB20W V2A	20	156	1	90		25	13,300	**2046 73 1**
SB25W V2A	25	194	1	112.5		25	20,400	**2046 73 2**
SB32W V2A	32	250	1.25	146		20	42,000	**2046 73 3**
SB40W V2A	40	294	1.25	165		15	61,200	**2046 73 4**
SB50W V2A	50	408	1.25	250		5	100,000	**2046 73 5**
SB63W V2A	63	448	1.25	250		3	120,000	**2046 73 6**

V2A Stainless steel, grade 304 /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.



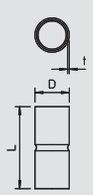
Stainless steel coupling, V2A



Type	Size	Dimension L mm	Dimension D mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W V2A	16	45	18.2	1.6		25	2,100	**2046 74 0**
SV20W V2A	20	50	22.2	1.6		50	3,100	**2046 74 1**
SV25W V2A	25	60	27.2	1.6		50	3,900	**2046 74 2**
SV32W V2A	32	70	34.6	1.8		50	7,200	**2046 74 3**
SV40W V2A	40	80	42.6	1.8		25	10,300	**2046 74 4**
SV50W V2A	50	100	53.2	2.1		10	16,000	**2046 74 5**
SV63W V2A	63	110	66.3	2.15		5	20,100	**2046 74 6**

V2A Stainless steel, grade 304 /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



IP 67

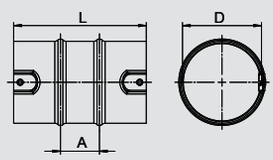
Stainless steel coupling, V2A, IP67



Type	Size	Dimension A mm	Dimension L mm	Dimension D mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV20W V2A IP67	20	25	85	20.2		10	4,300	**2046 48 8**
SV25W V2A IP67	25	25	85	25.2		10	5,400	**2046 49 0**
SV32W V2A IP67	32	25	85	32.2		10	6,900	**2046 49 2**
SV40W V2A IP67	40	25	85	40.3		10	8,300	**2046 49 4**
SV50W V2A IP67	50	25	85	50.3		5	10,200	**2046 49 6**

V2A Stainless steel, grade 304 /100 pc.

Accessory piece: Plug-in coupling with burr-free internal wall, thanks to internal O rings with IP67 dust-proof and waterproof. The riveted locking springs to both sides also ensure equipotential bonding. Classification according to EN 61386-1: 554511674010



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Always indicate the item number when ordering.



Stainless steel pipe, V4A

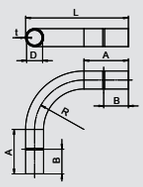
Type	Size	Dimension L mm	Dimension t mm		Pack. m	Weight kg/100 m	Item No.
S16W V4A	16	3000	1		15	37,000	**2046 75 0**
S20W V4A	20	3000	1		15	46,900	**2046 75 1**
S25W V4A	25	3000	1		15	59,200	**2046 75 2**
S32W V4A	32	3000	1.2		15	91,200	**2046 75 3**
S40W V4A	40	3000	1.2		9	114,800	**2046 75 4**
S50W V4A	50	3000	1.5		9	179,400	**2046 75 5**
S63W V4A	63	3000	1.5		9	227,500	**2046 75 6**

V4A Stainless steel, grade 316 Ti Brushed price/100 m

Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall. Corrosion protection class 4 (high).



5 5 5 7 1



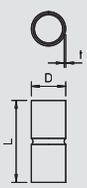
Stainless steel bend, V4A

Type	Size	Dimension L mm	Dimension t mm	Dimension R mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W V4A	16	104	1	50		5	7,200	**2046 76 0**
SB20W V4A	20	156	1	90		10	13,300	**2046 76 1**
SB25W V4A	25	194	1	112.5		10	20,400	**2046 76 2**
SB32W V4A	32	250	1.25	146		10	42,000	**2046 76 3**
SB40W V4A	40	294	1.25	165		5	61,200	**2046 76 4**
SB50W V4A	50	408	1.25	250		5	79,500	**2046 76 5**
SB63W V4A	63	448	1.25	250		3	144,600	**2046 76 6**

V4A Stainless steel, grade 316 Ti /100 pc.

Accessory part: 90° bend with moulded couplings, for electrical installation pipes according to EN 61386-1. With burr-free inner wall.





Stainless steel coupling, V4A

Type	Size	Dimension L mm	Dimension D mm	Dimension t mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W V4A	16	45	18.2	1.6		10	2,100	**2046 77 0**
SV20W V4A	20	50	22.2	1.6		15	3,200	**2046 77 1**
SV25W V4A	25	60	27.2	1.6		15	3,900	**2046 77 2**
SV32W V4A	32	70	34.6	1.8		15	7,300	**2046 77 3**
SV40W V4A	40	80	42.6	1.8		10	10,300	**2046 77 4**
SV50W V4A	50	100	53.2	2.1		5	16,700	**2046 77 5**
SV63W V4A	63	110	66.3	2.15		3	20,900	**2046 77 6**

V4A Stainless steel, grade 316 Ti /100 pc.

Accessory part: plug-in coupling for the connections between electrical installation pipes. With burr-free inner wall.



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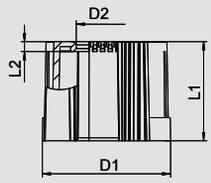
Pipe end cap, separable



Type	Size	Colour	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm		Pack. pcs	Weight kg/100 pcs.	Item No.
129 TB M16	M16	Light grey	20	10	30	3		50	0,487	**2047 81 2**
129 TB M20	M20	Light grey	24	13.4	30	3		50	0,492	**2047 83 1**
129 TB M25	M25	Light grey	30	18.4	30	3		50	0,576	**2047 83 9**
129 TB M32	M32	Light grey	36	25.4	30	3		50	0,695	**2047 85 5**
129 TB M40	M40	Light grey	44	33.4	30	3		30	0,843	**2047 86 3**
129 TB M50	M50	Light grey	53	43	30	3		30	1,221	**2047 89 0**
129 TB M63	M63	Light grey	67	56	30	3		20	1,358	**2047 89 8**

PE Polyethylene /100 pc.

Separable pipe end cap to slot onto electrical installation pipes, metric.
The separable pipe end cap can be used for correct repair purposes on existing installations. It is not necessary to disconnect the cables, thus accelerating installation enormously.



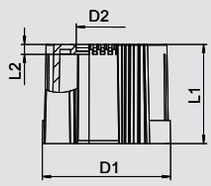
Pipe end cap, separable



Type	Size	Colour	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm		Pack. pcs	Weight kg/100 pcs.	Item No.
129 TB M16 SW	M16	Black	20	10	30	3		50	0,487	**2047 93 6**
129 TB M20 SW	M20	Black	24	13.4	30	3		50	0,492	**2047 94 4**
129 TB M25 SW	M25	Black	30	18.4	30	3		50	0,576	**2047 95 2**
129 TB M32 SW	M32	Black	36	25.4	30	3		50	0,695	**2047 97 1**
129 TB M40 SW	M40	Black	44	33.4	30	3		30	0,843	**2047 97 9**
129 TB M50 SW	M50	Black	53	43	30	3		30	1,221	**2047 98 7**
129 TB M63 SW	M63	Black	67	56	30	3		20	1,358	**2047 99 5**

PE Polyethylene /100 pc.

Separable pipe end cap to slot onto electrical installation pipes, metric.
The separable pipe end cap can be used for correct repair purposes on existing installations. It is not necessary to disconnect the cables, thus accelerating installation enormously.



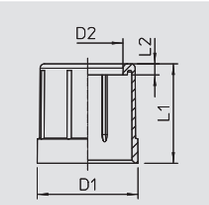
Pipe end cap, metric



Type	Size	Colour	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm		Pack. pcs	Weight kg/100 pcs.	Item No.
129 M16	M16	Light grey	19.4	12.5	18	2		100	0,235	**2047 81 0**
129 M20	M20	Light grey	23.4	16	22.5	2.5		100	0,326	**2047 82 9**
129 M25	M25	Light grey	28.4	21	27.5	2.5		50	0,614	**2047 83 7**
129 M32	M32	Light grey	35.4	27.5	34	3		50	1,070	**2047 85 3**
129 M40	M40	Light grey	43.4	35	41	3		50	1,444	**2047 86 1**
129 M50	M50	Light grey	53.4	44.5	48	3		25	2,176	**2047 88 8**
129 M63	M63	Light grey	66.4	55	59	4		25	2,808	**2047 89 6**

PE Polyethylene /100 pc.

Pipe end cap to slot onto electrical installation pipes, metric.



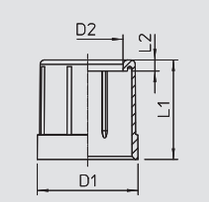
Pipe end cap, metric



Type	Size	Colour	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm		Pack. pcs	Weight kg/100 pcs.	Item No.
129 M16 SW	M16	Black	19.4	12.5	18	2		100	0,235	**2047 93 4**
129 M20 SW	M20	Black	23.4	16	22.5	2.5		100	0,326	**2047 94 2**
129 M25 SW	M25	Black	28.4	21	27.5	2.5		50	0,614	**2047 95 0**
129 M32 SW	M32	Black	35.4	27.5	34	3		50	1,070	**2047 96 9**
129 M40 SW	M40	Black	43.4	35	41	3		50	1,444	**2047 97 7**
129 M50 SW	M50	Black	53.4	44.5	48	3		25	2,176	**2047 98 5**
129 M63 SW	M63	Black	66.4	55	59	4		25	2,808	**2047 99 3**

PE Polyethylene /100 pc.

Pipe end cap to slot onto electrical installation pipes, metric.



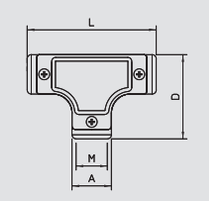
T piece with thread



Type	Size	Dimension D mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKTM16W ALU	16	47.5	72		15	7,200	**2047 60 4**
SKTM20W ALU	20	65	102		18	13,500	**2047 60 5**
SKTM25W ALU	25	75	115		10	22,000	**2047 60 6**
SKTM32W ALU	32	96	156		4	46,600	**2047 60 7**
SKTM40W ALU	40	96	156		4	34,000	**2047 60 8**
SKTM50W ALU	50	124.5	194		2	56,300	**2047 60 9**

AlG Cast aluminium /100 pc.

Die-cast aluminium T piece, with internal thread, for mounting in pipe sections as a junction. Removable cover for easier cable routing and later checking.



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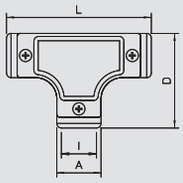
Always indicate the item number when ordering.

T piece without thread

IP 54



Type	Size	Dimension D mm	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKT16W ALU	16	47.5	72		15	6,900	**2047 58 8**
SKT20W ALU	20	65	102		18	12,900	**2047 58 9**
SKT25W ALU	25	75	115		10	21,500	**2047 59 0**
SKT32W ALU	32	96	156		4	45,300	**2047 59 1**
SKT40W ALU	40	96	156		4	32,800	**2047 59 2**
SKT50W ALU	50	124.5	194		2	53,100	**2047 59 3**

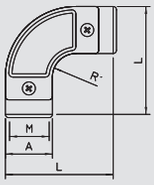
AIG Cast aluminium /100 pc.

Die-cast aluminium T piece, for mounting in pipe sections as a junction.
Removable cover for easier cable routing and later checking.



Control bend with thread

M IP 54



Type	Size	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKBM16W ALU	16	49.5		25	3,900	**2047 63 8**
SKBM20W ALU	20	65		25	9,300	**2047 63 9**
SKBM25W ALU	25	75		20	13,900	**2047 64 0**
SKBM32W ALU	32	96		8	29,700	**2047 64 1**
SKBM40W ALU	40	96		8	21,700	**2047 64 2**
SKBM50W ALU	50	124.5		4	34,800	**2047 64 3**

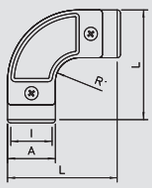
AIG Cast aluminium /100 pc.

90° die-cast aluminium control bend with internal thread for mounting in pipe sections with direction changes.
Removable cover for easier cable routing and later inspection.



Control bend without thread

IP 54



Type	Size	Dimension L mm		Pack. pcs	Weight kg/100 pcs.	Item No.
SKB16W ALU	16	49.5		25	3,600	**2047 62 3**
SKB20W ALU	20	65		25	9,000	**2047 62 4**
SKB25W ALU	25	75		20	13,400	**2047 62 5**
SKB32W ALU	32	96		8	27,700	**2047 62 6**
SKB40W ALU	40	96		8	20,900	**2047 62 7**
SKB50W ALU	50	124.5		4	34,300	**2047 62 8**

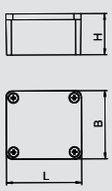
AIG Cast aluminium /100 pc.

90° die-cast aluminium control bend with internal thread for mounting in pipe sections with direction changes.
Removable cover for easier cable routing and later checking.



Aluminium empty housing Mx06 powder coated

IP 66 IK 09



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 060503 SGR	64	58	36	Silver grey		1	13,500	**2011 30 4**

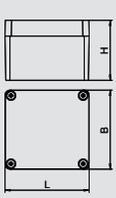
AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



Aluminium empty housing Mx08 powder coated

IP 66 IK 09



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 080705 SGR	80	75	57	Silver grey		1	30,600	**2011 30 8**

AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



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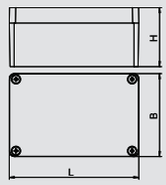
Aluminium empty housing Mx12 powder coated



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 120805 SGR	125	80	57	Silver grey		1	30,600	**2011 31 2**

AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



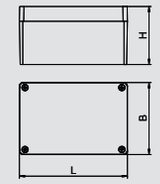
Aluminium empty housing Mx15 powder coated



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 151008 SGR	150	100	80	Silver grey		1	81,800	**2011 31 6**

AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



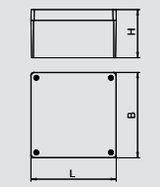
Aluminium empty housing Mx16 powder coated



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 161609 SGR	160	160	90	Silver grey		1	146,300	**2011 32 0**

AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



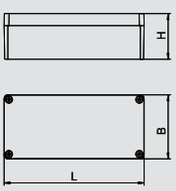
Aluminium empty housing Mx17 powder coated



Type	Length mm	Width mm	Height mm	Colour		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 170805 SGR	175	80	57	Silver grey		1	53,900	**2011 32 4**

AIG Cast aluminium P Powder-coated /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



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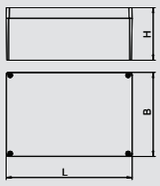
Always indicate the item number when ordering.



Aluminium empty housing Mx24 powder coated

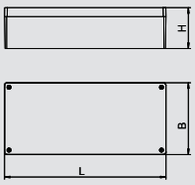
IP 66 IK 09

Type	Length	Width	Height	Colour		Pack.	Weight	Item No.
	mm	mm	mm			pcs	kg/100 pcs.	
Mx 241610 SGR	240	160	100	Silver grey		1	197,300	**2011 32 8**

AIG Cast aluminium P Powder-coated /100 pc.



Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



Aluminium empty housing Mx36 powder coated

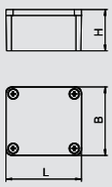
IP 66 IK 09

Type	Length	Width	Height	Colour		Pack.	Weight	Item No.
	mm	mm	mm			pcs	kg/100 pcs.	
Mx 361609 SGR	360	160	90	Silver grey		1	273,300	**2011 33 2**

AIG Cast aluminium P Powder-coated /100 pc.



Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent mechanical and thermal features make it most suitable for extreme demands in many different areas. It is therefore also best suited for applications in industry, ports and shipbuilding, as well as in the agricultural sector.
The products protect the electrical installation against high-grade strains. They withstand both extreme cold and heat as well as vandalism and impact on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of dust and water. The aluminium housings are plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.
Temperature: -40°C to +125°C



Aluminium empty housing Mx06 sandblasted

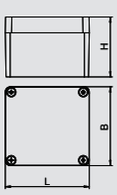
IP 66 IK 09

Type	Length	Width	Height			Pack.	Weight	Item No.
	mm	mm	mm			pcs	kg/100 pcs.	
Mx 060503 SGT	64	58	36			1	13,500	**2011 34 4**

AIG Cast aluminium Sandblasted /100 pc.



Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C



Aluminium empty housing Mx08 sandblasted

IP 66 IK 09

Type	Length	Width	Height			Pack.	Weight	Item No.
	mm	mm	mm			pcs	kg/100 pcs.	
Mx 080705 SGT	80	75	57			1	30,600	**2011 34 8**

AIG Cast aluminium Sandblasted /100 pc.



Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C

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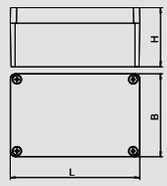
Aluminium empty housing Mx12 sandblasted



Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 120805 SGT	125	80	57		1	45,600	**2011 35 2**

AIG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C



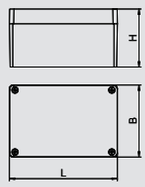
Aluminium empty housing Mx15 sandblasted



Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 151008 SGT	150	100	80		1	81,800	**2011 35 6**

AIG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C



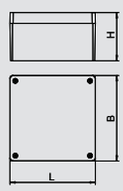
Aluminium empty housing Mx16 sandblasted



Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 161609 SGT	160	160	90		1	146,300	**2011 36 0**

AIG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C



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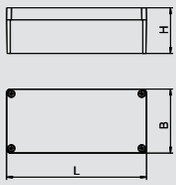
Always indicate the item number when ordering.



Aluminium empty housing Mx17 sandblasted

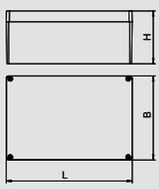
IP 66 IK 09

Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 170805 SGT	175	80	57		1	53,900	**2011 36 4**

AlG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C





Aluminium empty housing Mx24 sandblasted

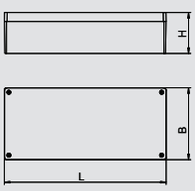
IP 66 IK 09

Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 241610 SGT	240	160	100		1	197,300	**2011 36 8**

AlG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C





Aluminium empty housing Mx36 sandblasted

IP 66 IK 09

Type	Length mm	Width mm	Height mm		Pack. pcs	Weight kg/100 pcs.	Item No.
Mx 361609 SGT	360	160	90		1	273,300	**2011 37 2**

AlG Cast aluminium Sandblasted /100 pc.

Robust aluminium empty housing for mechanical engineering and automation technology.
The OBO Mx series' excellent features make it most suitable for extreme demands in all different areas. It is therefore also best suited for applications in industry, port and shipbuilding, as well as in the agricultural sector.
The series' properties protect the electrical installation when under extreme strain. The products withstand both great cold and heat as well as impacts or kicks on roads, railways or in tunnels. With an IP66 protection class, they are optimally protected against the intrusion of water. The aluminium is of course UV-resistant and halogen-free. The cover seal is made from polyurethane. The aluminium housings consist of a bottom part, a cover (incl. stainless steel screws), a seal and two or four earthing screws. The surface is aluminium sandblasted and provides good contact when using metal fittings.
Temperature: -40°C to +125°C



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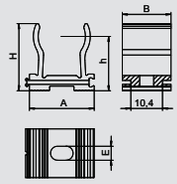
Quick clip, aluminium

Type	Nominal size	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
2029 M16 ALU	M16	1200		100	0,560	**2149 85 0**
2029 M20 ALU	M20	1200		100	0,654	**2149 85 4**
2029 M25 ALU	M25	100		100	0,930	**2149 85 8**
2029 M32 ALU	M32	600		50	1,100	**2149 86 2**
2029 M40 ALU	M40	50		50	1,730	**2149 86 6**
2029 M50 ALU	M50	300		25	2,090	**2149 87 0**
2029 M63 ALU	M63	20		20	2,920	**2149 87 4**



Al Aluminium /100 pc.

OBO Quick clip, type 2029/... for all metric ALU pipe systems, as well as light-duty and heavy-duty metric insulation pipes. Suitable for mounting the OBO pipe system, material: aluminium. Pipe centring aids allow optimal attachment of the pipe and automatically turn the clip into the correct position.
Universal fastening option; can be arranged. Can be mounted on the profile rail, slot width 11 mm (type 2060 and 2061). Slot for side alignment during mounting with wood screw or knock-in anchor.
Recommended fastening spacing 40–50 cm.
Not suitable for ceiling mounting! For ceiling mounting, use our closed clips, type 733... .

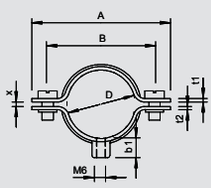
Important dimensions, Quick clip ALU

G	A mm	B mm	E mm	H mm	h mm
16	21	16	4.6	22	18
20	25	16	4.6	27	20
25	33	16	4.6	30	22
32	39	16	4.6	34	27
40	50	16	4.6	42	32
50	60	16	6.1	50	39
63	74.5	16	6.1	61	46



Cable and pipe spacer clip

Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
732 16 GTP	14.5-16	M6	1	M16	M5 x 12	1000		100	1,590	**1360 16 7**
732 20 GTP	18.5-20	M6	1	M20	M5 x 12	600		50	1,730	**1360 20 5**
732 26 GTP	24-26	M6	1	M25	M5 x 12	500		50	1,920	**1360 26 4**
732 33 GTP	31-33	M6	1.5	M32	M5 x 12	250		25	3,120	**1360 33 7**
732 40 GTP	38-40	M6	1.5	M40	M5 x 12	250		25	3,600	**1360 39 6**
732 42 GTP	40-42	M6	1.5	M40	M5 x 12	250		25	3,840	**1360 42 6**
732 50 GTP	48-50	M6	1.5	M50	M5 x 14	200		25	4,160	**1360 50 7**
732 63 GTP	61-63	M6	1.5	M63	M5 x 14	200		25	5,000	**1360 63 9**



St Steel GTP Electrogalvanised, transparently passivated /100 pc.

With M6 thread.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	x mm	b1 mm	t1 mm	t2 mm	M
14.5–16	42	30	1.5	18	1	1.25	M5 x 12
18.5–20	46	34	1.5	18	1	1.25	M5 x 12
24–26	52	40	2	18	1	1.25	M5 x 12
31–33	64	50	2	18	1.5	1.5	M5 x 12
38–40	71	57	2	18	1.5	1.5	M5 x 12
40–42	73	59	2	18	1.5	1.5	M5 x 12
48–50	81	67	2	18	1.5	1.5	M5 x 14
61–63	94	80	2	18	1.5	1.5	M5 x 14

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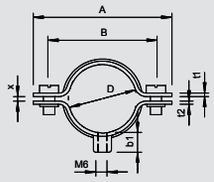
Always indicate the item number when ordering.



Cable and pipe spacer clip, V4A

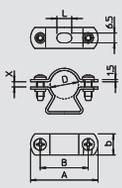


Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
732 16 V4A	14.5-16	M6	1	M16	M5 x 12	1000		100	1,845	**1360 65 6**
732 20 V4A	18.5-20	M6	1	M20	M5 x 12	600		50	1,960	**1360 66 0**
732 26 V4A	24-26	M6	1	M25	M5 x 12	500		50	2,083	**1360 66 6**
732 33 V4A	31-33	M6	1.5	M32	M5 x 12	250		25	3,186	**1360 67 2**
732 40 V4A	38-40	M6	1.5	M40	M5 x 12	250		25	3,554	**1360 67 8**
732 42 V4A	40-42	M6	1.5	M40	M5 x 12	250		25	3,650	**1360 68 0**
732 50 V4A	48-50	M6	1.5	M50	M5 x 14	200		25	4,045	**1360 68 6**
732 63 V4A	61-63	M6	1.5	M63	M5 x 14	200		25	4,712	**1360 69 0**

V4A Stainless steel, grade 316 Ti /100 pc.

With thread M6.

D mm	A mm	B mm	x mm	b1 mm	t1 mm	t2 mm	M
14.5–16	42	30	1.5	18	1	1.25	M5 x 12
18.5–20	46	34	1.5	18	1	1.25	M5 x 12
24–26	52	40	2	18	1	1.25	M5 x 12
31–33	64	50	2	18	1.5	1.5	M5 x 12
38–40	71	57	2	18	1.5	1.5	M5 x 12
40–42	73	59	2	18	1.5	1.5	M5 x 12
48–50	81	67	2	18	1.5	1.5	M5 x 14
61–63	94	80	2	18	1.5	1.5	M5 x 14



Cable and pipe spacer clip



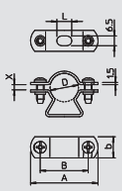
Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
733 16 G	14-16	6,5 x 10	1.5	M16	M5 x 14	500		50	2,430	**1361 16 3**
733 21 G	19-21	6,5 x 10	1.5	M20	M5 x 14	500		50	2,730	**1361 20 1**
733 29 G	24-29	6,5 x 10	1.5	M25	M5 x 18	450		50	3,480	**1361 29 5**
733 38 G	30-38	6,5 x 10	1.5	M32	M5 x 18	250		25	4,040	**1361 38 4**
733 48 G	39-48	6,5 x 10	1.5	M40	M5 x 18	300		25	4,810	**1361 48 1**
733 54 G	48-54	6,5 x 14	1.5	M50	M5 x 18	300		25	5,800	**1361 51 1**
733 63 G	63	6,5 x 14	1.5	M63	–	160		20	6,940	**1361 63 5**

St Steel G Electrogalvanised /100 pc.

Steel bolt material.
* Size M16 are not suitable for nail device.
* Sizes M16 to PG16 not suitable for bolt-firing tool.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	L mm	b mm	x mm
14–16	43	30	10	14	3
19-21	50	37	10	14	2
24–29	58	42	10	16	7
30–38	70	54	10	16	10
39–48	80	64	14	16	12.5
48–54	86	68	14	18	7.5
63	101	83	18	16	3



Cable and pipe spacer clip



Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
733 16 FT	14-16	6,5 x 10	1.5	M 16	M5 x 14	500		50	2,430	**1361 09 4**
733 21 FT	19-21	6,5 x 10	1.5	M 20	M5 x 14	500		50	2,730	**1361 10 0**
733 29 FT	24-29	6,5 x 10	1.5	M 25	M5 x 18	450		50	3,480	**1361 10 6**
733 38 FT	30-38	6,5 x 10	1.5	M 32	M5 x 18	250		25	4,040	**1361 10 9**
733 48 FT	39-48	6,5 x 10	1.5	M 40	M5 x 18	300		25	4,810	**1361 11 2**
733 54 FT	48-54	6,5 x 14	1.5	M 50	M5 x 18	300		25	5,400	**1361 11 7**
733 63 FT	63	8 x 18	2	M 63	M5 x 18	160		20	7,250	**1361 11 8**

St Steel FT Hot-dip galvanised /100 pc.

Bolt material: steel.
* Size M16 not suitable for nail device.
* Sizes M16 to PG16 not suitable for bolt-firing tool and nail device.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	L mm	b mm	x mm
14 - 16	43	30	10	14	3
19 - 21	50	37	10	14	2
24 - 29	58	42	10	16	7
30 - 38	70	54	10	16	10
39 - 48	80	64	14	16	12.5
48–54	86	68	14	18	7.5
63	101	83	18	16	3

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Cable and pipe spacer clip, aluminium



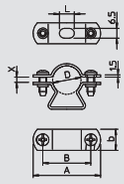
Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
733 16 ALU	14-16	6,5 x 10	1.5	M16	M5 x 12	500		50	0,980	**1362 52 6**
733 21 ALU	19-21	6,5 x 10	1.5	M20	M5 x 16	500		50	1,100	**1362 54 2**
733 29 ALU	24-29	6,5 x 10	1.5	M25	M5 x 16	450		50	1,390	**1362 56 9**
733 38 ALU	30-38	6,5 x 10	1.5	M32	M5 x 18	250		25	1,620	**1362 57 7**
733 48 ALU	39-48	6,5 x 10	1.5	M40	M5 x 18	300		25	1,950	**1362 58 5**
733 54 ALU	48-54	6,5 x 14	1.5	M50	M5 x 18	300		25	2,320	**1362 59 3**
733 63 ALU	63	8 x 18	2	M63	M5 x 18	160		20	2,990	**1362 61 5**

Al Aluminium /100 pc.

Bolt material: VA
* Size M16 not suitable for nail device.
* Sizes M16 to PG16 not suitable for bolt-firing tool and nail device.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	L mm	b mm	x mm
14–16	43	30	10	14	3
19–21	50	37	10	14	2
24–29	58	42	10	16	7
30–38	70	54	10	16	10
39–48	80	64	14	16	12.5
48–54	86	68	14	18	7.5
63	101	83	18	16	3



Cable and pipe spacer clip, V2A



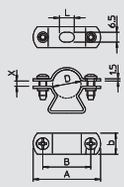
Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
733 16 VA	14-16	6,5 x 10	1.5	M16	M5 x 12	500		50	2,430	**1362 01 1**
733 21 VA	19-21	6,5 x 10	1.5	M20	M5 x 16	500		50	2,740	**1362 04 6**
733 29 VA	24-29	6,5 x 10	1.5	M25	M5 x 16	450		50	3,475	**1362 06 2**
733 38 VA	30-38	6,5 x 10	1.5	M32	M5 x 18	250		25	4,500	**1362 07 0**
733 48 VA	39-48	6,5 x 10	1.5	M40	M5 x 18	300		25	5,200	**1362 08 9**
733 54 VA	48-54	6,5 x 14	1.5	M50	M5 x 18	300		25	5,800	**1362 09 7**
733 63 VA	63	8 x 18	2	M63	M5 x 18	160		20	6,940	**1362 12 7**

V2A Stainless steel, grade 304 /100 pc.

Bolt material: VA
* Size M16 not suitable for nail device.
* Sizes M16 to PG16 not suitable for bolt-firing tool.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	L mm	b mm	x mm
14–16	43	30	10	14	3
19–21	50	37	10	14	2
24–29	58	42	10	16	7
30–38	70	54	10	16	10
39–48	80	64	14	16	12.5
48–54	86	68	14	18	7.5
63	101	83	18	16	3



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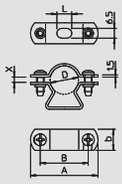


Cable and pipe spacer clip, V4A

Type	Clamping range D mm	Hole size mm	Material thickness mm	Size	Bolt	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
733 16 V4A	14-16	6,5 x 10	1.5	M 16	M5 x 14	500		50	2,430	**1361 64 7**
733 21 V4A	19-21	6,5 x 10	1.5	M 20	M5 x 14	500		50	2,730	**1361 65 5**
733 29 V4A	24-29	6,5 x 10	1.5	M 25	M5 x 18	450		50	3,420	**1361 66 3**
733 38 V4A	30-38	6,5 x 10	1.5	M 32	M5 x 18	250		25	4,040	**1361 66 7**
733 48 V4A	39-48	6,5 x 10	1.5	M 40	M5 x 18	300		25	4,810	**1361 67 1**
733 54 V4A	48-54	6,5 x 14	1.5	M 50	M5 x 18	300		25	5,800	**1361 67 5**
733 63 V4A	63	8,2 x 18	2	M 63	M5 x 18	160		20	6,940	**1361 68 3**

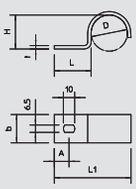


V4A Stainless steel, grade 316 Ti /100 pc.

Bolt material: VA
* Size M16 not suitable for nail device.
* Sizes M16 to PG16 not suitable for bolt-firing tool.

Important dimensions, cable and pipe spacer clip

D mm	A mm	B mm	L mm	b mm	x mm
14 - 16	43	30	10	14	3
19 - 21	50	37	10	14	2
24 - 29	58	42	10	16	7
30 - 38	70	54	10	16	10
39 - 48	80	64	14	16	12.5
48–54	86	68	14	18	7.5
63	101	83	18	16	3



Fastening clip, heavy-duty, V4A

Type	For Ø mm	Size	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
822 16 V4A	15,2	M16	400		100	1,733	**1013 87 7**
822 20 V4A	20	M20	600		100	2,125	**1013 88 5**
822 25 V4A	25	M25	500		50	2,400	**1013 89 3**
822 32 V4A	32	M32	100		100	5,490	**1013 90 3**
822 40 V4A	40	M40	100		100	6,590	**1013 91 1**
822 50 V4A	50	M50	100		100	7,690	**1013 92 1**
822 63 V4A	63	M63	100		100	9,260	**1013 92 5**

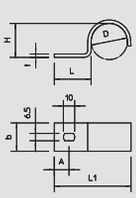


V4A Stainless steel, grade 316 Ti /100 pc.

Single-lobe fastening clip for cables and pipes.

Important dimensions, fastening clip

D mm	L mm	L1 mm	H mm	b mm	t mm	A mm
15.2	23.5	42	14	20	2	10
20	23.5	48	19.5	20	2	10
25	25.5	53	23.5	20	2	11
32	32.5	68	30	25	3	13
40	32.5	76	38	25	3	13
50	32.5	86	47	25	3	15
63	33.5	100	60	25	3	15



Fastening clip, heavy-duty

Type	For Ø mm	Size	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
822 16 FT	15,2	M16	400		100	1,733	**1014 09 9**
822 20 FT	20	M20	600		100	2,125	**1014 13 7**
822 25 FT	25	M25	500		50	2,400	**1014 50 1**
822 32 FT	32	M32	100		100	5,490	**1014 52 8**
822 40 FT	40	M40	100		100	6,590	**1014 53 6**
822 50 FT	50	M50	100		100	7,690	**1014 54 4**
822 63 FT	63	M63	100		100	9,260	**1014 55 2**



St Steel FT Hot-dip galvanised /100 pc.

Single-lobe fastening clip for cables and pipes.

Important dimensions, fastening clip

D mm	L mm	L1 mm	H mm	b mm	t mm	A mm
15.2	23.5	42	14	20	2	10
20	23.5	48	19.5	20	2	10
25	25.5	53	23.5	20	2	11
32	32.5	68	30	25	3	13
40	32.5	76	38	25	3	13
50	32.5	86	47	25	3	15
63	33.5	100	60	25	3	15

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Fastening clip, medium-duty



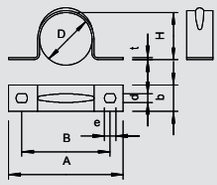
Type	For Ø mm	Hole size mm	Material thickness mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
605 16 G	16	4,5 x 6	1	1200		100	0,585	**1018 16 7**
605 20 G	20	4,5 x 6	1	1000		100	0,664	**1018 20 5**
605 25 G	25	4,5 x 6	1	1200		100	0,960	**1018 25 6**
605 32 G	32	4,5 x 6	1	1200		100	1,260	**1018 33 7**
605 40 G	40	5,5 x 7	1.5	600		50	1,900	**1018 39 6**
605 50 G	50	5,5 x 7	1.5	300		25	2,770	**1018 50 7**
605 63 G	63	5,5 x 7	1.5	300		25	3,670	**1018 63 9**

St Steel G Electrogalvanised /100 pc.

Two lobe fastening clips for cables and pipes.
* Sizes 7 to 12 not suitable for bolt-firing tool.

Important dimensions, fastening clip

D mm	A mm	B mm	H mm	b mm	t mm	d mm	e mm
16	44	32	14.5	12	1	4.5	6
20	49	37	18.5	12	1	4.5	6
25	58	44	23	14	1	4.5	6
33	66	52	30	14	1	4.5	6
40	75	61	37	14	1.5	5.5	7
50	88	74	46	16	1.5	5.5	7
63	112	98	59	16	1.5	5.5	7



Fastening clip, medium-duty



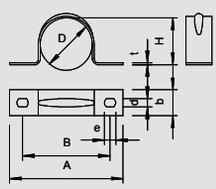
Type	For Ø mm	Hole size mm	Material thickness mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
605 16 ALU	16	4,5 x 6	1	2000		100	0,218	**1017 79 9**
605 20 ALU	20	4,5 x 6	1	1200		100	0,228	**1017 83 7**
605 25 ALU	25	4,5 x 6	1	1000		100	0,330	**1017 86 1**
605 32 ALU	32	4,5 x 6	1	1200		100	0,433	**1017 92 6**
605 40 ALU	40	5,5 x 7	1	600		50	0,650	**1017 95 0**
605 50 ALU	50	5,5 x 7	1.5	300		25	0,952	**1017 98 0**
605 63 ALU	63	5,5 x 7	1.5	300		25	1,260	**1017 99 7**

Al Aluminium /100 pc.

Two lobe fastening clips for cables and pipes.

Important dimensions, fastening clip

D mm	A mm	B mm	H mm	b mm	t mm	d mm	e mm
16	44	32	14.5	12	1	4.5	6
20	49	37	18.5	12	1	4.5	6
25	58	44	23	14	1	4.5	6
32	95	71	29	25	1	4.5	6
40	75	61	37	14	1.5	5.5	7
50	110	86	46	25	1.5	5.5	7
63	120	96	59	25	1.5	5.5	7



Fastening clip, medium-duty, V4A



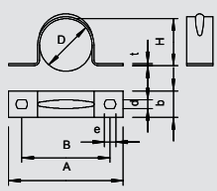
Type	For Ø mm	Hole size mm	Material thickness mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
605 16 V4A	16	4,5 x 6	1	1200		100	0,585	**1018 66 1**
605 20 V4A	20	4,5 x 6	1	1000		100	0,664	**1018 66 9**
605 25 V4A	25	4,5 x 6	1	1200		100	0,992	**1018 67 9**
605 32 V4A	32	4,5 x 6	1	1200		100	1,260	**1018 69 3**
605 40 V4A	40	5,5 x 7	1.5	600		50	1,900	**1018 70 5**
605 50 V4A	50	5,5 x 7	1.5	300		25	2,770	**1018 71 7**
605 63 V4A	63	5,5 x 7	1.5	300		25	3,670	**1018 72 9**

V4A Stainless steel, grade 316 Ti /100 pc.

Two lobe fastening clips for cables and pipes.

Important dimensions, fastening clip

D mm	A mm	B mm	H mm	b mm	t mm	d mm	e mm
16	44	32	14.5	12	1	4.5	6
20	49	37	18.5	12	1	4.5	6
25	58	44	23	14	1	4.5	6
32	66	52	30	14	1	4.5	6
40	75	61	37	14	1.5	5.5	7
50	88	74	46	16	1.5	5.5	7
63	112	98	59	16	1.5	5.5	7



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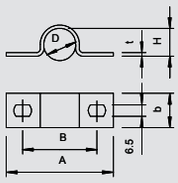

Fastening clip, heavy-duty

Type	For Ø mm	Hole size mm	Material thickness mm	Shipping box pcs		Pack. pcs	Weight kg/100 pcs.	Item No.
823 16 FT	16	6,5 x 10	2	500		50	2,260	**1015 09 5**
823 20 FT	20	6,5 x 10	2	500		50	2,662	**1015 13 3**
823 25 FT	25	6,5 x 10	3	250		25	6,770	**1015 49 4**
823 32 FT	32	6,5 x 10	3	100		100	7,469	**1015 49 6**
823 40 FT	40	6,5 x 10	3	100		100	8,460	**1015 49 8**
823 50 FT	50	6,5 x 10	3	100		100	9,050	**1015 50 0**
823 63 FT	63	6,5 x 10	3	100		100	10,700	**1015 50 8**



St Steel FT Hot-dip galvanised /100 pc.

Two lobe fastening clips for cables and pipes.

Important dimensions, fastening clip

D mm	A mm	B mm	H mm	b mm	t mm	e mm
15.2	59	40	13	20	2	10
20.4	64	45	18	20	2	10
25	79	60	23.5	25	3	10
32	95	71	29	25	3	10
40	100	76	36	25	3	10
50	110	86	46	25	3	10
63	120	96	59	25	3	10

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OBO BETTERMANN GmbH & Co. KG
P.O. Box 1120
58694 Menden, Germany

Customer Service Germany
Tel. +49 (0)2373 89-0
Fax +49 (0)2373 89-1238
E-mail: export@obo.de

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