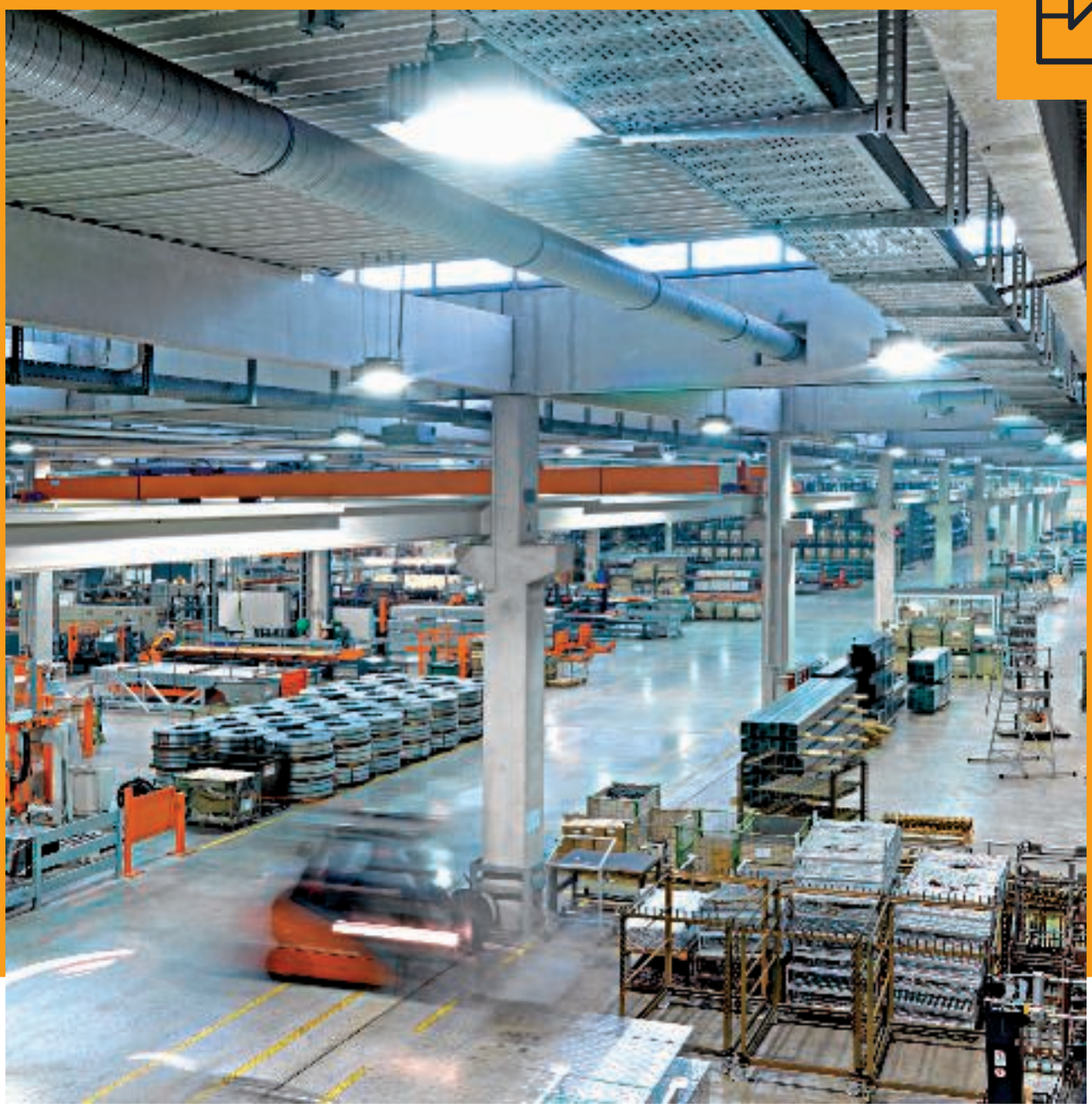

Industrial installations

Connection and fastening systems

OBO BETTERMANN

Our products for your project
Towards the future with OBO

Reliable, safe and of the highest quality: Product features such as installation speed, load capacity, functionality and availability are at the forefront of each of our innovations. Discover the whole range of OBO products – in a new structure, allowing us to deal in a more targeted manner with the needs of you, our customers.

It is our aim to be the first port of call for the best and most innovative connections for electrical and data technology infrastructure. Thus, when looking towards the future, we have asked ourselves what we can do to be the best possible partner you could ever imagine, also in the long term. Against this backdrop, we have optimised our structure once again, sharpened our profile and defined our services more clearly. The result: Three new areas of application, which replace our previous seven product units, in order to provide you with a contemporary and user-orientated visual identity and structure, for both products and communication. This helps you to find exactly the products you are looking for in an even faster and simpler manner.

In this catalogue, we will present the entire product variety of the industrial installations application area to you. This area gives our cable support systems and the connection and fastening systems a new lease of life and can offer you everything you require to equip industrial systems with an electrical infrastructure. Here, three attributes are of paramount importance to us: efficiency, load capacity and safety.

High demands are placed on products that are used in industrial environments. They must be able to withstand both weathering and environmental conditions, as well as mechanical loads. Our products from the industrial installations area are available in many different versions and allow installation and fastening on the floor, ceiling and wall, both indoors and outdoors. OBO can offer reliable solutions for every installation challenge in the industrial environment, in order to route and fasten cables safely.

OBO – simply better.

OBO Product Worlds

Industrial installations

Cable trays
Mesh cable trays
Cable ladders
Industrial ducts
Support structures
Electrical installation pipes
Wiring ducts
Power supply units
Distributors
Junction boxes
Concealed and cavity wall installations
Terminals
Cable glands
Installation and fastening clips
Anchors and fastening systems

You can find additional products in our new Building installations and Safety and protective installations catalogues

Building installations

Cable routing and underfloor systems for administrative and functional buildings including architectural solutions

Electrical installation ducts and trunking
Device installation ducts and trunking
Skirting trunking
Service poles
Underfloor applications, in screed
Underfloor applications, in concrete
Underfloor applications, on-floor
Service outlets for underfloor applications
Floor sockets and floor boxes
Installation housing and support
Tabletop sockets
Sockets, switches, data and multimedia technology

Safety and protection installations

Lightning, surge and fire protection systems

Surge protection
Explosion protection
Lightning protection
Earthing
Equipotential bonding
Insulation
Cable bandages – prevention of the spread of fire
Escape route installations – false ceiling mounting
Fire protection ducts
Systems for the maintenance of electrical functionality – cable-specific routing variants
Systems for the maintenance of electrical functionality – standard support structures and routing systems
Systems for the maintenance of electrical functionality – FireBox T series junction boxes
Anchorings

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Plaster and cavity wall installations Page 168

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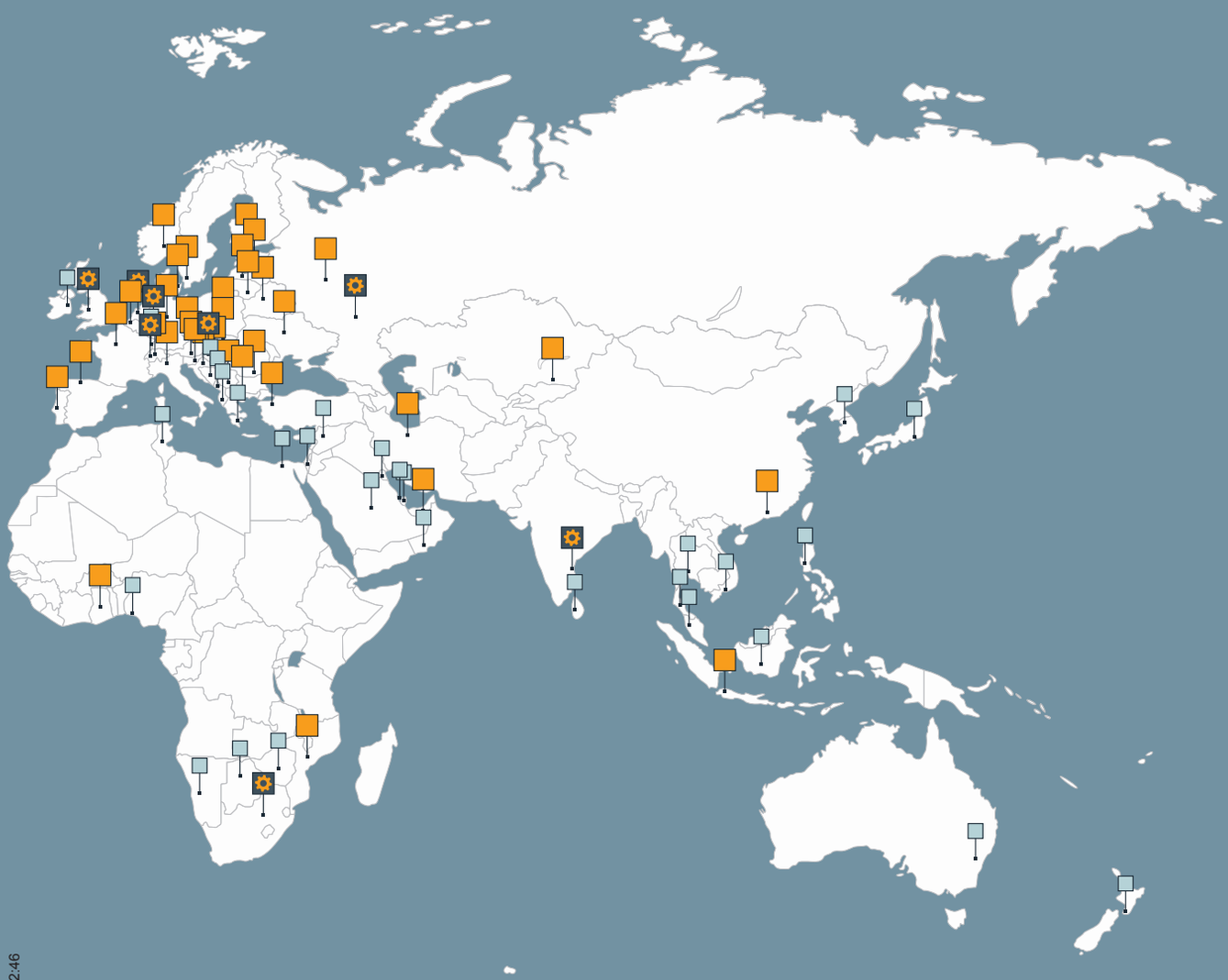
Welcome world.
Welcome to OBO.

New solutions to improve functionality and the ease of installation – OBO employees all around the world use their abilities and creativity to make this happen. Because we know that each individual market has its special characteristics and that the requirements for our products change within each market, we have paid particular attention to the compatibility of products in their place of use. We always offer our customers intelligent, well-thought-out solutions. Our brands always keep this promise. The OBO global team wishes to make the work of electrical planners and operatives around the world as easy as possible.



Production location

Subsidiary

Representative office

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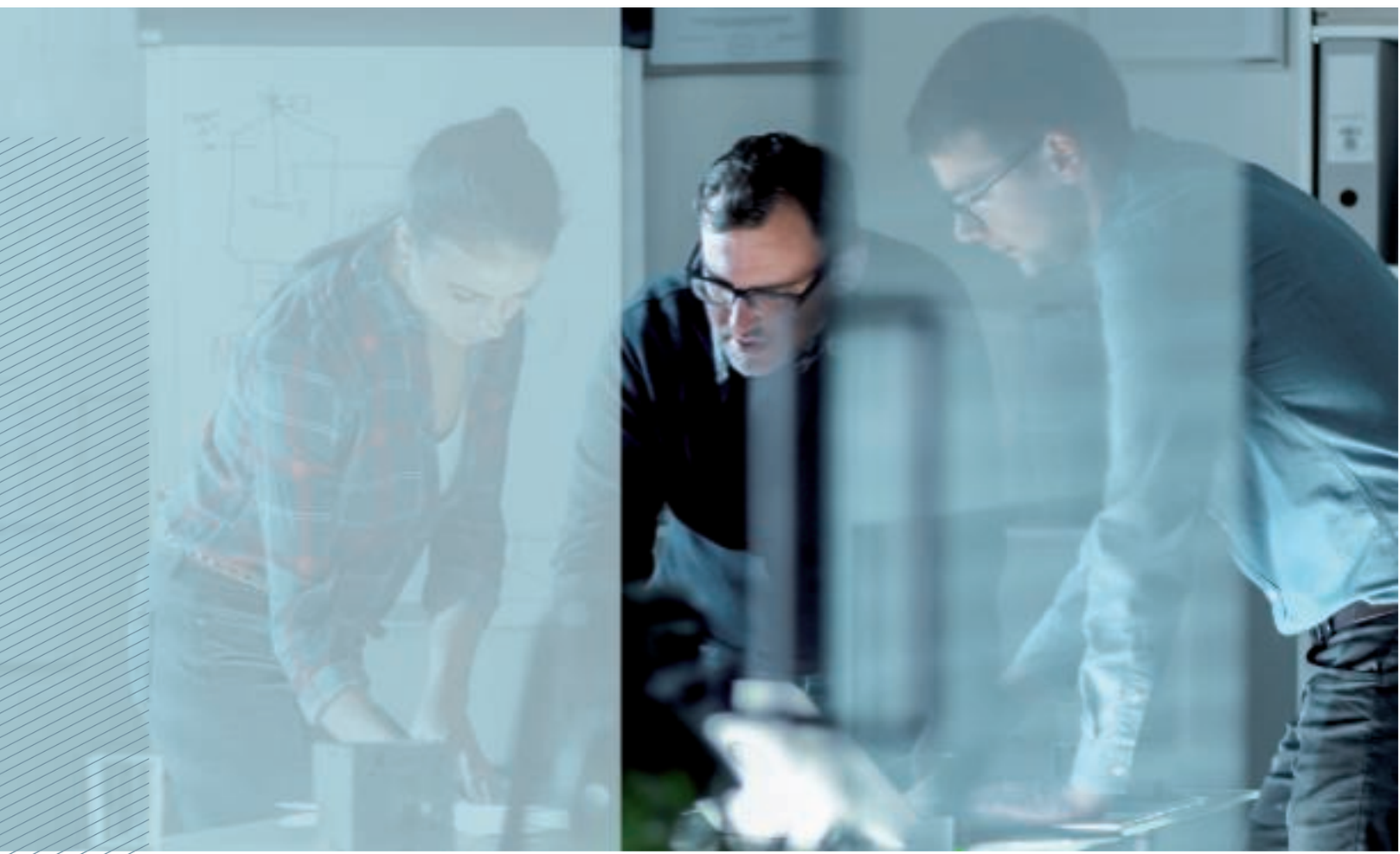
OBO Support *& contact*



You have a problem? We have the solution!

OBO Bettermann is more than the sum of its products. In any situation, we are the reliable partner right buy your side. You have a problem? We have the solution!

It doesn't matter in which area of industry our support is needed – from industrial and plant engineering to private, public and administrative buildings, as well as in the areas of mobility and renewable energies – we have everything that you need.

OBO can not only provide the entire electrotechnical infrastructure with the best possible products. We can also support you with sound expert knowledge and more than 100 years of experience, right from the planning phase through to the realisation of your projects. OBO – solutions you can rely on.

What is OBO Support?

Every OBO product carries a plus inside it, which only a branded product can offer. It is developed, manufactured and tested with a high level of competence, from the idea right through to the final check. In addition, our specialists are available for consultation and can offer you assistance and training courses for products at any time.

Together with you, we plan your project and help you choose the right products, and are also available to you at any time should you need us. From flawless logistics through to practical information – we can provide support at every level. We can also offer security through certificates on the conformity of our products with the most important standards and directives.

We are as flexible as you are – because we know how practical people work and what is important to them. Each step is a plus – that is the OBO Support concept.

You can contact our Customer Service department on:

Monday to Friday
08:00 a.m. to 5:00 p.m.

Estonia: +372 6519870
Latvia: +371 67802050
Lithuania: +370 52375911

Estonia: obo@obo.ee
Latvia: obo@obo.lv
Lithuania: obo@obo.lt

Service – OBO can help
Everywhere and in every project phase:
- Highly competent hotline
- Product and system information, digitally or printed
- Selection and planning aids on the web, as an app, as a CAD application or in printed form
- 2D and 3D product data for planning
- Field service, branch offices and subsidiaries in 60 countries
- Engineering services for major projects

Training courses from OBO
- Seminars and workshops
- Local consultation and training courses
- Planner days

Handling – OBO delivers reliably
With optimised delivery processes:
- Reliable logistics
- Practical transport systems and packaging
- Loading gear handling and disposal concepts

Certification and guarantee
OBO offers safety. Our products fulfil the most important country-specific regulations:
- Conformity (e.g. IEC, VDE, CE, KEMA, KEUR, UL)
- Certification (e.g. DIN EN, DGNB)
- 5-year guarantee for surge protection products
- Guarantee management

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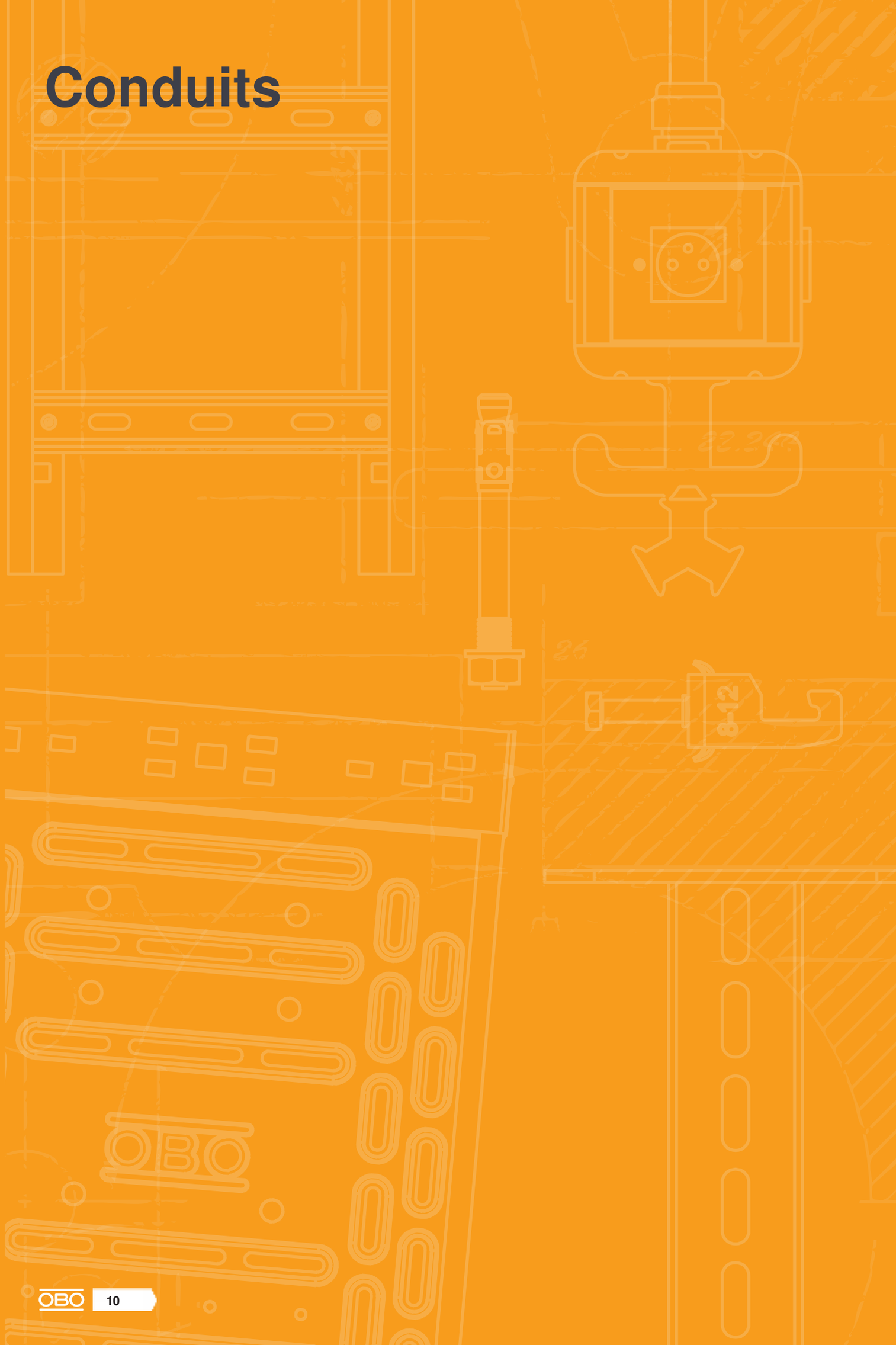
Conduits



Conduits

Electrical installation pipes, plug connection 12

Electrical installation pipes, screw connection 20

Fittings, electrical installation pipes, plug connection 26

Fittings, electrical installation pipes, screw connection 30

Connector 32

Accessories, electrical installation pipes 36

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Metal pipe systems

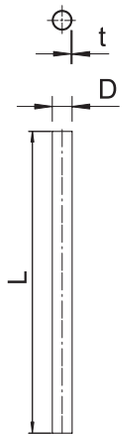
Protection against mechanical loads
OBO metal pipes are particularly suited to use under tough industrial conditions. They provide reliable protection against very heavy mechanical loads during cable routing.
The different material and surface qualities, from galvanised to painted, allow perfect adaptation to the requirements of the appropriate environment.

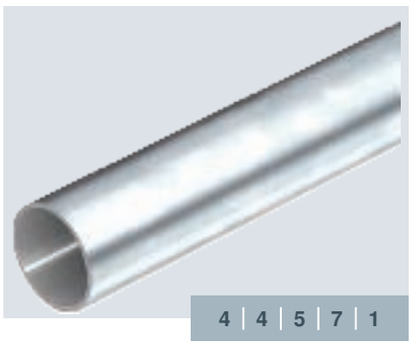
Maintenance of electrical function to E30/E90
Our steel pipes guarantee the maintenance of electrical function to E30/E90. They are thus ideal for the connection of safety-relevant equipment, such as smoke extraction systems.

St G
E30 E90

Armoured steel pipe without thread, electrogalvanised

Type	Dim. D mm	Dim. L mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
S16W G	16	3000	1	30	37.000	**2046840**
S20W G	20	3000	1	30	44.700	**2046841**
S25W G	25	3000	1.2	30	70.400	**2046842**
S32W G	32	3000	1.2	21	91.200	**2046843**
S40W G	40	3000	1.2	15	139.700	**2046844**
S50W G	50	3000	1.2	15	176.000	**2046845**
S63W G	63	3000	1.2	9	223.000	**2046846**





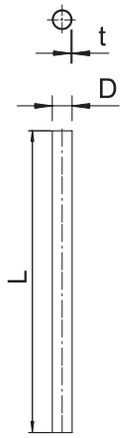
4 | 4 | 5 | 7 | 1

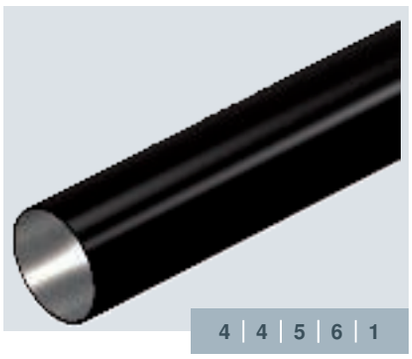
Electrical installation pipe without threaded ends according to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.

St
E30 E90

Armoured steel pipe without thread, black

Type	Dim. D mm	Dim. L mm	Dim. t mm	Colour	Pack m	Weight kg/100 m	Item no.
S16W SW	16	3000	1	Jet black	30	37.000	**2046565**
S20W SW	20	3000	1	Jet black	30	44.700	**2046566**
S25W SW	25	3000	1.2	Jet black	30	70.400	**2046567**
S32W SW	32	3000	1.2	Jet black	21	91.200	**2046568**
S40W SW	40	3000	1.2	Jet black	15	139.700	**2046569**
S50W SW	50	3000	1.2	Jet black	15	176.000	**2046570**
S63W SW	63	3000	1.2	Jet black	9	223.000	**2046571**





4 | 4 | 5 | 6 | 1

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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Always indicate the item number when ordering.

Steel pipe, hot-dip galvanised

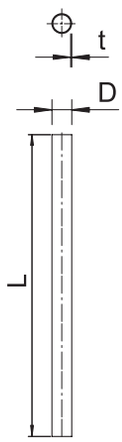
Hot-dip galvanised steel pipe, without thread

St FT E30 E90

4 | 4 | 5 | 7 | 1

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).

Type	Dim. D mm	Dim. L mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
S16W FT	16	3000	1	30	37.000	**2046593**
S20W FT	20	3000	1	30	44.700	**2046594**
S25W FT	25	3000	1.2	30	70.400	**2046595**
S32W FT	32	3000	1.2	21	91.200	**2046596**
S40W FT	40	3000	1.2	15	139.700	**2046597**
S50W FT	50	3000	1.2	15	176.000	**2046598**
S63W FT	63	3000	1.2	9	223.000	**2046599**



Stainless steel pipe

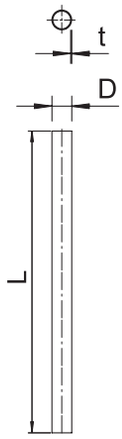
Stainless steel pipe, V2A

VA 2B E30 E90

5 | 5 | 5 | 7 | 1

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

Type	Dim. D mm	Dim. L mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
S16W A2	16	3000	1	30	37.000	**2046720**
S20W A2	20	3000	1	30	46.900	**2046721**
S25W A2	25	3000	1	30	59.200	**2046722**
S32W A2	32	3000	1.2	21	91.200	**2046723**
S40W A2	40	3000	1.2	15	114.800	**2046724**
S50W A2	50	3000	1.5	15	179.400	**2046725**
S63W A2	63	3000	1.5	9	227.500	**2046726**



Aluminium pipes

Small weight – high protection.

Simple installation in any environment, both inside and outdoors.

- Less weight
- High resistance against compression and impact
- Corrosion resistant
- M16–M63
- Accessories: Bends and couplings
- Plug-in or threaded system

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Aluminium pipe

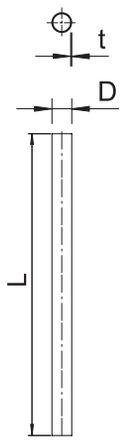
Aluminium pipe, without thread

Alu

4 | 4 | 5 | 6 | 1

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

Type	Dim. D mm	Dim. L mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
S16W ALU	16	3000	1.2	30	15.065	**2046002**
S20W ALU	20	3000	1.2	30	19.134	**2046003**
S25W ALU	25	3000	1.3	30	26.134	**2046004**
S32W ALU	32	3000	1.3	30	33.853	**2046005**
S40W ALU	40	3000	1.4	15	45.839	**2046006**
S50W ALU	50	3000	1.4	15	57.714	**2046007**
S63W ALU	63	3000	1.7	15	88.394	**2046008**



Quick pipe

The Quick pipe system combines the benefits of cable ducts and conventional electrical installation pipes to produce a single, intelligent system for surface-mounted installations.

- 4 sizes – M16-M32
- Two colours: White and grey
- Simple installation
- Retroinstallation possible
- VDE-approved

Cables are inserted in the open Quick pipe electrical installation pipes in the same way as with open cable ducting.

After the cable has been laid the Quick pipe is turned in the Quick clip, and thereby closed tightly.

Retro-fittings are also possible because the Quick pipe can be opened easily by turning it.

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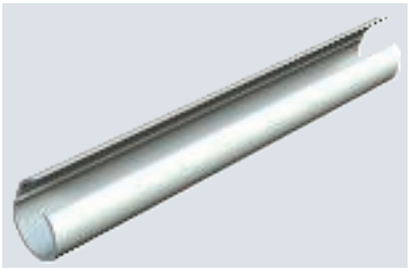
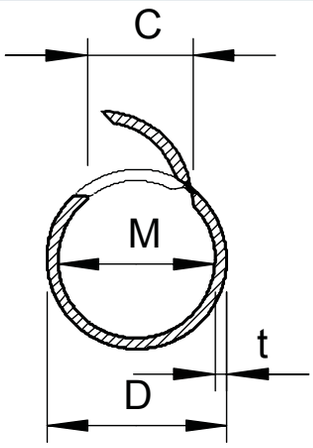
Quick Pipe system

Quick pipe

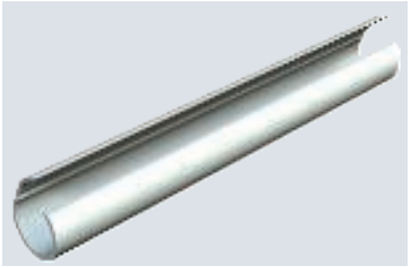


Open plastic Quick pipe pipe for surface-mounted routing of cables in interiors and protected outdoor areas. Mounting on wall and ceiling with Quick clip, starQuick clip and Multi-Quick clip. Toolless closing and opening through turning in the clip. Can be used in a temperature range of –25 to +60 °C.

Type	Size	Colour	Length mm	Dim. t mm	Dim. C mm	Dim. D mm	Dimension M	Pack m	Weight kg/100 m	Item no.
2953 M16 LGR	M16	Light grey	2000	1.2	8.2	15.6	13,2	50	7.000	**2153904**
2953 M20 LGR	M20	Light grey	2000	1.5	10	20	17	40	11.500	**2153912**
2953 M25 LGR	M25	Light grey	2000	1.6	13.6	25	21,8	30	16.000	**2153920**
2953 M32 LGR	M32	Light grey	2000	1.7	17	32	28,6	20	21.500	**2153939**

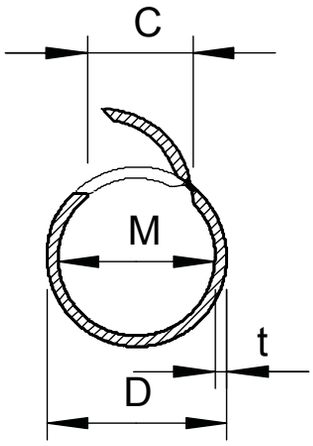


Quick pipe



Open plastic Quick pipe pipe for surface-mounted routing of cables in interiors and protected outdoor areas. Mounting on wall and ceiling with Quick clip, starQuick clip and Multi-Quick clip. Toolless closing and opening through turning in the clip. Can be used in a temperature range of –25 to +60 °C.

Type	Size	Colour	Length mm	Dim. t mm	Dim. C mm	Dim. D mm	Dimension M	Pack m	Weight kg/100 m	Item no.
2953 M16 RW	M16	Pure white	2000	1.2	8.2	15.6	13,2	50	7.700	**2153960**
2953 M20 RW	M20	Pure white	2000	1.5	10	20	17	40	11.500	**2153963**
2953 M25 RW	M25	Pure white	2000	1.6	13.6	25	21,8	30	16.000	**2153966**
2953 M32 RW	M32	Pure white	2000	1.7	17	32	28,6	20	21.500	**2153969**

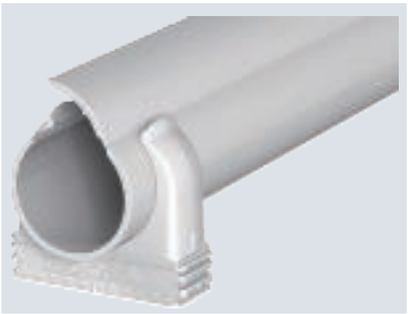


PVC

IP 44 M

Set of Quick clips and Quick pipe pipes

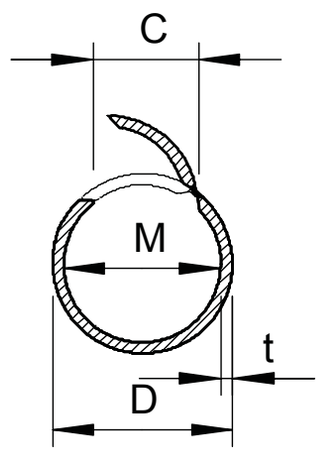
Type	Size	Colour	Set consisting of	Pack Piece	Weight kg/100 pc.	Item no.
2954 M16 LGR	M16	Light grey	50 m Quick pipe and 156x OBO Quick clip	1	444.000	**2154501**
2954 M20 LGR	M20	Light grey	40 m Quick pipe and 120x OBO Quick clip	1	508.000	**2154528**
2954 M25 LGR	M25	Light grey	30 m Quick pipe and 96x OBO Quick clip	1	517.000	**2154536**
2954 M32 LGR	M32	Light grey	20 m Quick pipe and 60x OBO Quick clip	1	479.000	**2154544**



Set consisting of Quick pipe electrical installation pipes and Quick clip surface-mounted clips. For surface-mounted routing of cables in interiors and protected outdoor areas. Universal fastening on wall and ceiling. Comprises 50 m of pipe each of 2 metres in length and 156 Quick clips. Can be used in a temperature range of –25 to +60 °C.

Type	Dimension M	Dim. t mm	Dim. C mm	Dim. D mm
2954 M16 LGR	13,2	1.2	8,2	15.6
2954 M20 LGR	17	1.5	10	20
2954 M25 LGR	21,8	1.6	13,6	25
2954 M32 LGR	28,6	1.7	17	32

Dimensions



Always indicate the item number when ordering.

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Metal pipe systems

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.

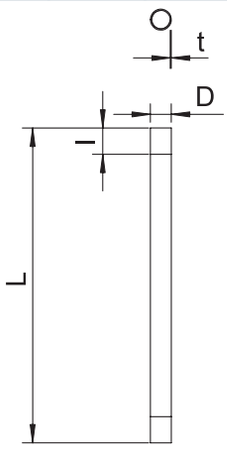
Maintenance of electrical function to E30/E90
Our steel pipes guarantee the maintenance of electrical function to E30/E90. They are thus ideal for the connection of safety-relevant equipment, such as smoke extraction systems.

St G

M E30 E90

Electrogalvanised steel pipe, with thread

Type	Thread	Dim. D mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
SM16W G	M16x1,5	16	3000	13	1.3	30	50.390	**2046861**
SM20W G	M20x1,5	20	3000	13	1.5	30	66.667	**2046862**
SM25W G	M25x1,5	25	3000	18	1.5	30	92.290	**2046863**
SM32W G	M32x1,5	32	3000	18	1.5	21	120.000	**2046864**
SM40W G	M40x1,5	40	3000	20.5	1.5	15	151.451	**2046865**
SM50W G	M50x1,5	50	3000	25	1.5	15	190.000	**2046866**
SM63W G	M63x1,5	63	3000	25	1.7	9	287.700	**2046867**



5 | 5 | 5 | 7 | 1

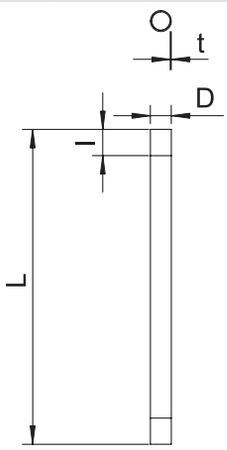
Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.
With burr-free inner wall. One coupling is already screwed onto each pipe.

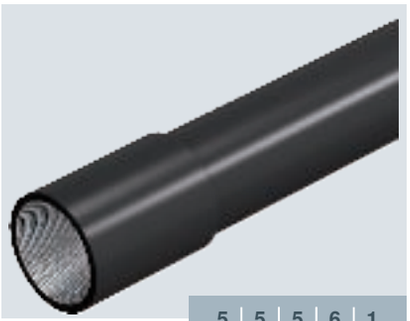
St

M E30 E90

Armoured steel pipe with thread, black

Type	Thread	Dim. D mm	Dim. L mm	Dim. l mm	Dim. t mm	Colour	Pack m	Weight kg/100 m	Item no.
SM16W SW	M16x1,5	16	3000	13	1.3	Jet black	30	50.000	**2046500**
SM20W SW	M20x1,5	20	3000	13	1.5	Jet black	30	73.000	**2046501**
SM25W SW	M25x1,5	25	3000	18	1.5	Jet black	30	92.000	**2046502**
SM32W SW	M32x1,5	32	3000	18	1.5	Jet black	21	120.000	**2046503**
SM40W SW	M40x1,5	40	3000	20.5	1.5	Jet black	15	152.000	**2046505**
SM50W SW	M50x1,5	50	3000	25	1.5	Jet black	15	190.700	**2046506**
SM63W SW	M63x1,5	63	3000	25	1.7	Jet black	9	287.700	**2046507**





5 | 5 | 5 | 6 | 1

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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Always indicate the item number when ordering.

Steel pipe, hot-dip galvanised

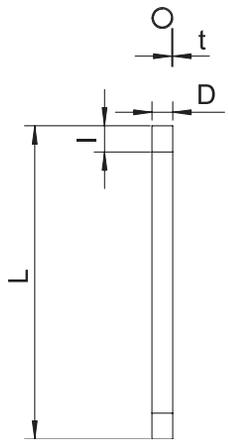
Hot-dip galvanised steel pipe, with thread

St FT
M E30 E90

5 | 5 | 5 | 7 | 1

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.

Type	Thread	Dim. D mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
SM16W FT	M16x1,5	16	3000	13	1.3	30	54.000	**2046533**
SM20W FT	M20x1,5	20	3000	13	1.5	30	79.000	**2046534**
SM25W FT	M25x1,5	25	3000	18	1.5	30	99.000	**2046535**
SM32W FT	M32x1,5	32	3000	18	1.5	21	130.000	**2046536**
SM40W FT	M40x1,5	40	3000	20.5	1.5	15	164.000	**2046537**
SM50W FT	M50x1,5	50	3000	25	1.5	15	206.000	**2046538**
SM63W FT	M63x1,5	63	3000	26	1.8	9	324.700	**2046540**



Aluminium pipes

Small weight – high protection.

Simple installation in any environment, both inside and outdoors.

- Less weight
- High resistance against compression and impact
- Corrosion resistant
- M16–M63
- Accessories: Bends and couplings
- Plug-in or threaded system

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Aluminium pipe

Aluminium pipe, with thread

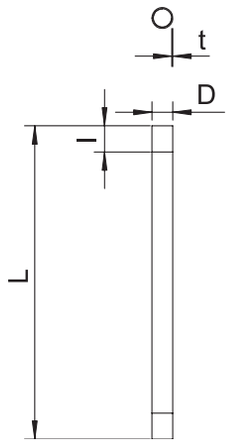
Alu

M

5 | 5 | 5 | 6 | 1

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

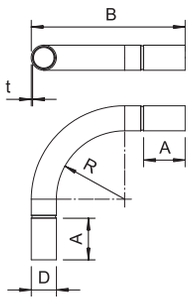
Type	Thread	Dim. D mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack m	Weight kg/100 m	Item no.
SM16W ALU	M16x1,5	16	3000	15	1.6	30	19.543	**2046032**
SM20W ALU	M20x1,5	20	3000	15	1.9	30	29.170	**2046033**
SM25W ALU	M25x1,5	25	3000	20	1.9	30	37.230	**2046034**
SM32W ALU	M32x1,5	32	3000	20	1.9	30	48.510	**2046035**
SM40W ALU	M40x1,5	40	3000	20	1.9	15	61.403	**2046036**
SM50W ALU	M50x1,5	50	3000	25	2.1	15	85.323	**2046037**
SM63W ALU	M63x1,5	63	3000	25	2.1	15	108.480	**2046038**



Steel pipe bends, electrogalvanised

Electrogalvanised steel bend, without thread

St G E30 E90



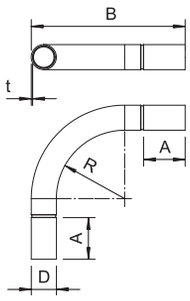
Type	Dim. A mm	Dim. B mm	Dim. D mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBN16 G	43.7	103	18.6	50	1	15	7.200	**2046808**
SBN20 G	53.7	155	22.6	90	1	25	13.300	**2046809**
SBN25 G	66.5	190	28	110	1.2	25	24.400	**2046810**
SBN32 G	86.5	254	35.1	150	1.2	20	41.000	**2046811**
SBN40 G	87.2	279	43.7	170	1.5	15	70.200	**2046812**
SBN50 G	131	358	54	200	1.5	5	111.800	**2046813**
SBN63 G	163	446	67	250	1.5	3	174.200	**2046814**

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

Steel pipe bends, powder-coated

Black powder-coated steel bend, without thread

St E30 E90



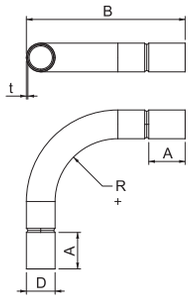
Type	Colour	Dim. A mm	Dim. B mm	Dim. D mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBN16 SW	Jet black	43.7	103	16.6	50	1	15	7.200	**2046824**
SBN20 SW	Jet black	53.7	155	20.6	90	1	25	13.300	**2046825**
SBN25 SW	Jet black	66.5	190	25.6	110	1.2	25	24.400	**2046826**
SBN32 SW	Jet black	86.5	254	32.7	150	1.2	20	41.000	**2046827**
SBN40 SW	Jet black	87.2	279	40.7	170	1.5	15	68.900	**2046828**
SBN50 SW	Jet black	131	358	51	200	1.5	5	111.800	**2046829**
SBN63 SW	Jet black	163	446	64	250	1.5	3	174.200	**2046830**

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

Steel pipe bends, hot-dip galvanised

Hot-dip galvanised steel bend, without thread

St FT E30 E90



Type	Dim. A mm	Dim. B mm	Dim. D mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBN16 FT	43.7	103	16.6	50	1	15	7.200	**2046816**
SBN20 FT	53.7	155	20.6	90	1	25	13.300	**2046817**
SBN25 FT	66.5	190	25.6	110	1.2	25	24.400	**2046818**
SBN32 FT	86.5	254	32.7	150	1.2	20	41.000	**2046819**
SBN40 FT	87.2	279	40.7	170	1.5	15	68.900	**2046820**
SBN50 FT	131	358	51	200	1.5	5	111.800	**2046821**
SBN63 FT	163	446	64	250	1.5	3	174.200	**2046822**

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

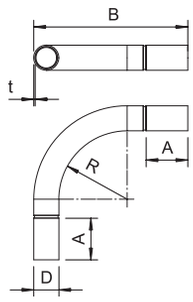
Stainless steel pipe bends

VA 2B
E30 E90

Stainless steel pipe bend, V4A

Type	Dim. A mm	Dim. B mm	Dim. D mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SB16W A4	54	104	18.2	50	1	5	7.200	**2046760**
SB20W A4	66	156	22.2	90	1	10	13.300	**2046761**
SB25W A4	81.5	194	27.2	112.5	1	10	20.400	**2046762**
SB32W A4	104	250	34.7	146	1.25	10	42.000	**2046763**
SB40W A4	129	294	42.7	165	1.25	5	61.200	**2046764**
SB50W A4	158	408	52.7	250	1.25	5	79.500	**2046765**
SB63W A4	198	448	65.7	250	1.25	3	144.600	**2046766**

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



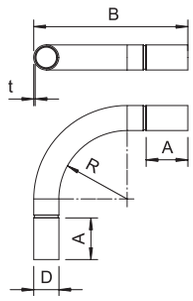
Aluminium pipe bends

Alu

Aluminium pipe bend, without thread

Type	Dim. A mm	Dim. B mm	Dim. D mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SB16W ALU	78	151	16	64	1.2	15	2.350	**2046012**
SB20W ALU	80	171	20	80	1.2	25	5.500	**2046013**
SB25W ALU	93	209	25	102.5	1.3	25	9.000	**2046014**
SB32W ALU	105	253	32	131	1.3	20	14.100	**2046015**
SB40W ALU	115	302	40	165	1.4	15	22.400	**2046016**
SB50W ALU	128	360	50	205	1.4	5	35.400	**2046017**
SB63W ALU	135	425	63	256.5	1.7	3	59.500	**2046018**

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



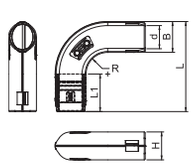
Quick Pipe bends

PP
IP 44 M

90° Quick pipe bend

Type	Size	Colour	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
3000 BMS M16 LGR	M16	Light grey	21.4	69	10	0.592	**2154052**
3000 BMS M20 LGR	M20	Light grey	26.3	83.2	5	1.103	**2154054**
3000 BMS M25 LGR	M25	Light grey	31.2	91	5	1.514	**2154056**
3000 BMS M32 LGR	M32	Light grey	38.8	103	5	2.035	**2154058**
3000 BMS M16 RW	M16	Pure white	21.4	69	10	0.592	**2154062**
3000 BMS M20 RW	M20	Pure white	26.3	83.2	5	1.103	**2154064**
3000 BMS M25 RW	M25	Pure white	31.2	91	5	1.514	**2154066**
3000 BMS M32 RW	M32	Pure white	38.8	103	5	2.035	**2154068**

Fitting for plastic electrical installation pipes to create 90° bends. Suitable for Quick pipe pipes or corrugated pipes. Toolless closing and opening. Can be used in a temperature range of –25 to +60 °C.



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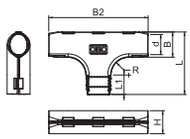
Always indicate the item number when ordering.

Quick Pipe T pieces

Quick pipe T piece



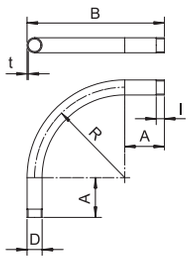
Type	Size	Colour	Dim. L mm	Dim. B mm	Dim. B2 mm	Pack Piece	Weight kg/100 pc.	Item no.
3000 TMS M16 LGR	M16	Light grey	58	21	94	10	0.798	**2153839**
3000 TMS M20 LGR	M20	Light grey	69	26	110	5	1.401	**2153841**
3000 TMS M25 LGR	M25	Light grey	77	31	123	5	1.977	**2153843**
3000 TMS M32 LGR	M32	Light grey	87	39	135	5	2.511	**2153845**
3000 TMS M16 RW	M16	Pure white	58	21	94	10	0.798	**2153951**
3000 TMS M20 RW	M20	Pure white	69	26	110	5	1.401	**2153953**
3000 TMS M25 RW	M25	Pure white	77	31	123	5	1.978	**2153955**
3000 TMS M32 RW	M32	Pure white	87	39	135	5	2.511	**2153957**

Fitting for plastic electrical installation pipes to create T branches. Suitable for Quick pipe pipes or corrugated pipes. Toolless closing and opening. Can be used in a temperature range of –25 to +60 °C.

Steel pipe bends, electrogalvanised

Electrogalvanised steel bend, with thread

St G
M E30 E90



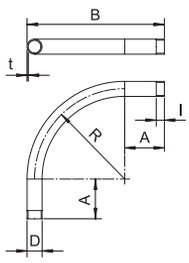
Type	Thread	Dim. A mm	Dim. B mm	Dim. D mm	Dim. l mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBNM16 G	M16x1,5	45	103	16	13	50	1.4	15	10.400	**2046778**
SBNM20 G	M20x1,5	55	155	20	13	90	1.6	25	21.000	**2046779**
SBNM25 G	M25x1,5	68	190	25	18	110	1.6	25	33.000	**2046780**
SBNM32 G	M32x1,5	88	254	32	18	150	1.6	20	56.600	**2046781**
SBNM40 G	M40x1,5	89	279	40	20.5	170	1.6	15	77.600	**2046782**
SBNM50 G	M50x1,5	133	358	50	25	200	1.6	5	125.800	**2046783**
SBNM63 G	M63x1,5	165	446	63	25	250	1.8	3	227.000	**2046784**

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

Steel pipe bends, powder-coated

Black powder-coated steel bend, with thread

St
M E30 E90



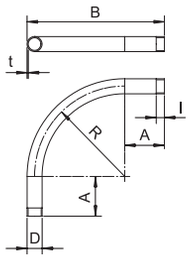
Type	Thread	Dim. A mm	Dim. B mm	Dim. D mm	Dim. l mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBNM16 SW	M16x1,5	45	103	16	13	50	1.4	15	10.400	**2046793**
SBNM20 SW	M20x1,5	55	155	20	13	90	1.6	25	21.000	**2046794**
SBNM25 SW	M25x1,5	68	190	25	18	110	1.6	25	33.000	**2046795**
SBNM32 SW	M32x1,5	88	254	32	18	150	1.6	20	56.600	**2046796**
SBNM40 SW	M40x1,5	89	279	40	20.5	170	1.6	15	77.600	**2046797**
SBNM50 SW	M50x1,5	133	358	50	25	200	1.6	5	125.800	**2046798**
SBNM63 SW	M63x1,5	165	446	63	25	250	1.8	3	227.000	**2046799**

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

Steel pipe bends, hot-dip galvanised

Hot-dip galvanised steel bend, with thread

St FT
M E30 E90



Type	Thread	Dim. A mm	Dim. B mm	Dim. D mm	Dim. l mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBNM16 FT	M16x1,5	45	103	16	13	50	1.4	15	10.400	**2046786**
SBNM20 FT	M20x1,5	55	155	20	13	90	1.6	25	21.000	**2046787**
SBNM25 FT	M25x1,5	68	190	25	18	110	1.6	25	33.000	**2046788**
SBNM32 FT	M32x1,5	88	254	32	18	150	1.6	20	56.600	**2046789**
SBNM40 FT	M40x1,5	89	279	40	20.5	170	1.6	15	77.600	**2046790**
SBNM50 FT	M50x1,5	133	358	50	25	200	1.6	5	125.800	**2046791**
SBNM63 FT	M63x1,5	165	446	63	25	250	1.8	3	227.000	**2046792**

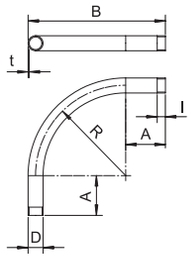
90° bend for electrical installation pipes according to EN 61386-1 with threaded ends to DIN EN 60423. With burr-free inner wall.
One connection sleeve is already screwed onto each pipe bend.

Alu

M

Aluminium pipe bend, with thread

Type	Thread	Dim. A mm	Dim. B mm	Dim. D mm	Dim. l mm	Dim. R mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SBM16W ALU	M16x1,5	78	150	16	15	64	1.6	15	3.300	**2046042**
SBM20W ALU	M20x1,5	80	170	20	15	80	1.9	25	7.300	**2046043**
SBM25W ALU	M25x1,5	93	208	25	20	102.5	1.9	25	11.500	**2046044**
SBM32W ALU	M32x1,5	105	252	32	20	131	1.9	20	20.000	**2046045**
SBM40W ALU	M40x1,5	115	300	40	20	165	1.9	15	27.300	**2046046**
SBM50W ALU	M50x1,5	128	358	50	25	205	2.1	5	49.500	**2046047**
SBM63W ALU	M63x1,5	135	423	63	25	256.5	2.1	3	78.400	**2046048**



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

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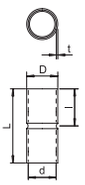
Always indicate the item number when ordering.

Connector, steel pipe, electrogalvanised

Armoured steel pipe connection sleeve without thread, electrogalvanised

St G E30 E90

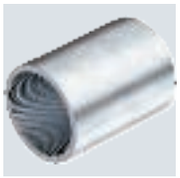


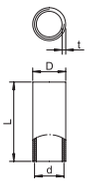
Type	Dim. D mm	Dim. d mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SV16W G	18.6	16.6	50	25	1	25	2.100	**2046854**
SV20W G	23.1	20.7	60	30	1.2	50	2.800	**2046855**
SV25W G	28.1	25.7	60	30	1.2	50	4.800	**2046856**
SV32W G	35.2	32.8	70	35	1.2	50	7.200	**2046857**
SV40W G	43.8	43.8	80	40	1.5	25	13.200	**2046858**
SV50W G	54	51	100	50	1.5	10	20.000	**2046859**
SV63W G	67	64	100	50	1.5	5	28.000	**2046860**

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

Electrogalvanised steel sleeve, with thread

St G M E30 E90





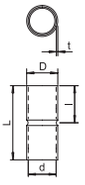
Type	Thread	Dim. D mm	Dim. d mm	Dim. L mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SVM16W G	M16x1,5	18.5	16	26	2	25	2.110	**2046875**
SVM20W G	M20x1,5	22.5	20	30	2	50	3.000	**2046876**
SVM25W G	M25x1,5	27.5	25	40	2	50	5.030	**2046877**
SVM32W G	M32x1,5	35.5	32	40	2.5	50	8.800	**2046878**
SVM40W G	M40x1,5	43.5	40	45	2.5	25	11.370	**2046879**
SVM50W G	M50x1,5	53.5	50	54	2.5	10	16.970	**2046880**
SVM63W G	M63x1,5	68	63	60	3.2	5	30.670	**2046881**

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

Connector, steel pipe, powder-coated

Armoured steel pipe connection sleeve without thread, black

St E30 E90

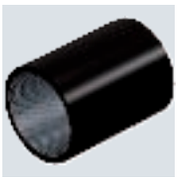


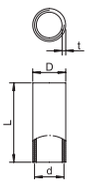
Type	Dim. D mm	Dim. d mm	Dim. L mm	Dim. l mm	Dim. t mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SV16W SW	18.6	16.6	50	25	1	Jet black	25	2.400	**2046582**
SV20W SW	23.1	20.7	60	30	1.2	Jet black	50	3.200	**2046583**
SV25W SW	28.1	25.7	60	30	1.2	Jet black	50	5.500	**2046584**
SV32W SW	35.2	32.8	70	35	1.2	Jet black	50	7.900	**2046585**
SV40W SW	43.8	40.8	80	40	1.5	Jet black	25	13.200	**2046586**
SV50W SW	54	51	100	50	1.5	Jet black	10	20.000	**2046587**
SV63W SW	67	64	100	50	1.5	Jet black	5	28.000	**2046588**

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

Black powder-coated steel sleeve, with thread

St M E30 E90





Type	Thread	Dim. D mm	Dim. d mm	Dim. L mm	Dim. t mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SVM16W SW	M16x1,5	18.5	16	26	2	Jet black	25	2.100	**2046522**
SVM20W SW	M20x1,5	22.5	20	30	2	Jet black	50	3.400	**2046523**
SVM25W SW	M25x1,5	27.5	25	40	2	Jet black	50	5.000	**2046524**
SVM32W SW	M32x1,5	35.5	32	40	2.5	Jet black	50	8.800	**2046525**
SVM40W SW	M40x1,5	43.5	40	45	2.5	Jet black	25	11.400	**2046526**
SVM50W SW	M50x1,5	53.5	50	54	2.5	Jet black	10	17.000	**2046527**
SVM63W SW	M63x1,5	68	63	60	3.2	Jet black	5	30.700	**2046528**

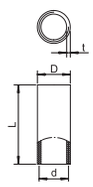
Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

Connector, steel pipe, hot-dip galvanised

St
M E30 E90

Zinc-nickel coated steel sleeve, with thread

Type	Thread	Dim. D mm	Dim. d mm	Dim. L mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SVM16W DN	M16x1,5	18.5	16	26	2	25	2.100	**2046553**
SVM20W DN	M20x1,5	22.5	20	30	2	50	3.000	**2046554**
SVM25W DN	M25x1,5	27.5	25	40	2	50	3.986	**2046556**
SVM32W DN	M32x1,5	35.5	32	40	2.5	50	8.800	**2046557**
SVM40W DN	M40x1,5	43.5	40	45	2.5	25	11.400	**2046558**
SVM50W DN	M50x1,5	53.5	50	54	2.5	10	17.000	**2046559**
SVM63W DN	M63x1,5	68	63	60	3.2	5	30.700	**2046560**

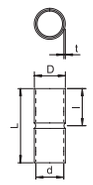


Accessory part: coupling with thread according to EN 60423 to connect electrical installation pipes and 90° bends.

St FT
E30 E90

Hot-dip galvanised steel sleeve, without thread

Type	Dim. D mm	Dim. d mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SV16W FT	18.6	16.6	50	25	1	25	2.200	**2046620**
SV20W FT	23.1	20.7	60	30	1.2	50	3.200	**2046621**
SV25W FT	28.1	25.7	60	30	1.2	50	5.100	**2046622**
SV32W FT	35.2	32.8	70	35	1.2	50	7.500	**2046623**
SV40W FT	43.8	40.8	80	40	1.5	25	14.400	**2046624**
SV50W FT	54	51	100	50	1.5	10	22.000	**2046625**
SV63W FT	67	63	100	50	1.5	5	22.000	**2046626**



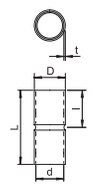
Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.

Connector, stainless steel pipe

VA 2B
E30 E90

Stainless steel sleeve V4A

Type	Dim. D mm	Dim. d mm	Dim. L mm	Dim. l mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SV16W A4	18.2	16.2	50	25	1	10	2.100	**2046770**
SV20W A4	22.2	20.2	60	30	1	15	3.200	**2046771**
SV25W A4	27.2	25.2	60	30	1	15	3.900	**2046772**
SV32W A4	34.7	32.2	70	35	1.25	15	7.300	**2046773**
SV40W A4	42.7	40.2	80	40	1.25	10	10.300	**2046774**
SV50W A4	52.8	50.2	100	50	1.3	5	16.700	**2046775**
SV63W A4	65.8	63.2	100	50	1.3	3	20.900	**2046776**



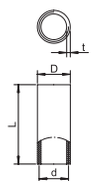
Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.

Connector, aluminium pipe

Alu
M

Aluminium sleeve, with thread

Type	Thread	Dim. D mm	Dim. d mm	Dim. L mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
SVM16W ALU	M16x1,5	18.5	16	35	2.25	50	1.080	**2046052**
SVM20W ALU	M20x1,5	22.5	20	35	2.25	50	1.100	**2046053**
SVM25W ALU	M25x1,5	28	25	45	2.5	50	2.430	**2046054**
SVM32W ALU	M32x1,5	35	32	45	2.5	50	3.100	**2046055**
SVM40W ALU	M40x1,5	43.5	40	45	2.75	20	4.270	**2046056**
SVM50W ALU	M50x1,5	53.5	50	55	2.75	20	6.510	**2046057**
SVM63W ALU	M63x1,5	66.5	63	55	2.8	20	8.320	**2046058**



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

Always indicate the item number when ordering.

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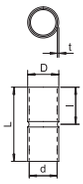
Connector, aluminium pipe

Aluminium sleeve, without thread

Alu



Type	Dim. D mm	Dim. d mm	Dim. L mm	Dim. l mm	Dim. t mm	Dimension M	Pack Piece	Weight kg/100 pc.	Item no.
SV16W ALU	18.6	16.2	40	20	1.2	16	50	0.700	**2046022**
SV20W ALU	22.6	20.2	50	25	1.2	20	50	1.300	**2046023**
SV25W ALU	27.6	25.2	60	30	1.2	25	50	1.900	**2046024**
SV32W ALU	34.6	32.2	70	35	1.2	32	50	2.400	**2046025**
SV40W ALU	43	40.2	70	35	1.4	40	20	4.000	**2046026**
SV50W ALU	53	50.2	90	45	1.4	50	20	6.100	**2046027**
SV63W ALU	66.2	63.2	110	55	1.5	63	20	9.000	**2046028**

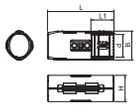
Accessory part: plug-in sleeve for the connections between electrical installation pipes. With burr-free inner wall.

Quick pipe connecting

Quick pipe connection sleeve

PP

IP 44 M



Type	Size	Colour	Dim. L mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
3000 MMS M16 LGR	M16	Light grey	52	21	10	0.299	**2154081**
3000 MMS M20 LGR	M20	Light grey	65	26	10	0.581	**2154083**
3000 MMS M25 LGR	M25	Light grey	72	31	10	0.823	**2154085**
3000 MMS M32 LGR	M32	Light grey	80	39	10	1.095	**2154087**
3000 MMS M16 RW	M16	Pure white	52	21	10	0.299	**2154091**
3000 MMS M20 RW	M20	Pure white	65	26	10	0.581	**2154093**
3000 MMS M25 RW	M25	Pure white	72	31	10	0.823	**2154095**
3000 MMS M32 RW	M32	Pure white	80	39	10	1.095	**2154097**

Connection sleeve for plastic electrical installation pipes to create straight connections. Suitable for Quick pipe pipes or corrugated pipes. Toolless closing and opening. Can be used in a temperature range of –25 to +60 °C.

One pipe end cap for all applications.

For conduits - metric and PG size

For initial installation in accordance with applicable standards, for a quick repair or retrofitting

Retrofitting via the snap-lock

The 129 TB separable pipe end sleeve from OBO simplifies work

Small cause – big expense: The remounting of missing or defective pipe end caps on electrical installation pipes has always been an unpopular and costly task. Now, the separable pipe end cap means that this is no longer the case. Open, plug it on, push it together – and you're done! Without any need to dismantle the installation. Of course, the pipe end cap makes your work easier even during initial installations.

PE

M

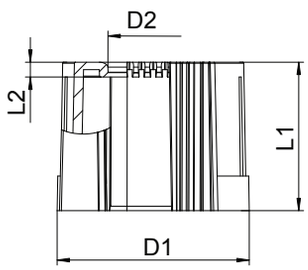
Pipe end cap, splittable, metric, light grey

Type	Size	Dim. D1 mm	Dim. D2 mm	Dim. L1 mm	Dim. L2 mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
129 TB M16	M16	20	10	30	3	Light grey	50	0.400	**2047812**
129 TB M20	M20	24	13.4	30	3	Light grey	50	0.440	**2047831**
129 TB M25	M25	30	18.4	30	3	Light grey	50	0.500	**2047839**
129 TB M32	M32	36	25.4	30	3	Light grey	50	0.656	**2047855**
129 TB M40	M40	44	33.4	30	3	Light grey	30	0.790	**2047863**
129 TB M50	M50	53	43	30	3	Light grey	30	0.935	**2047890**
129 TB M63	M63	67	56	30	3	Light grey	20	1.140	**2047898**

Separable pipe end cap to slot onto metric electrical installation pipes.
The separable pipe end cap can be used for repairs on existing installations according to regulations. It is not necessary to disconnect the cables, allowing quick mounting.

Type	Dim. D1 mm	Dim. D2 mm	Dim. L1 mm	Dim. L2 mm
129 TB M16	20	10	30	3
129 TB M20	24	13.4	30	3
129 TB M25	30	18.4	30	3
129 TB M32	36	25.4	30	3
129 TB M40	44	33.4	30	3
129 TB M50	53	43	30	3
129 TB M63	67	56	30	3

Dimensions



PE

M

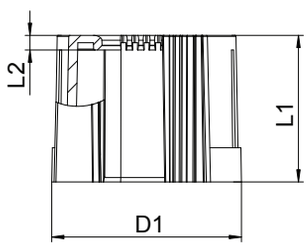
Pipe end cap, splittable, metric, black

Type	Size	Dim. D1 mm	Dim. D2 mm	Dim. L1 mm	Dim. L2 mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
129 TB M16 SW	M16	20	10	30	3	Black	50	0.400	**2047936**
129 TB M20 SW	M20	24	13.4	30	3	Black	50	0.440	**2047944**
129 TB M25 SW	M25	Black					50	0.500	**2047952**
129 TB M32 SW	M32	36	25.4	30	3	Black	50	0.656	**2047971**
129 TB M40 SW	M40	44	33.4	30	3	Black	30	0.790	**2047979**
129 TB M50 SW	M50	53	43	30	3	Black	30	0.935	**2047987**
129 TB M63 SW	M63	67	56	30	3	Black	20	1.140	**2047995**

Separable pipe end cap to slot onto metric electrical installation pipes.
The separable pipe end cap can be used for repairs on existing installations according to regulations. It is not necessary to disconnect the cables, allowing quick mounting.

Type	Dim. D1 mm	Dim. D2 mm	Dim. L1 mm	Dim. L2 mm
129 TB M16 SW	20	10	30	3
129 TB M20 SW	24	13.4	30	3
129 TB M25 SW	30	18.4	30	3
129 TB M32 SW	36	25.4	30	3
129 TB M40 SW	44	33.4	30	3
129 TB M50 SW	53	43	30	3
129 TB M63 SW	67	56	30	3

Dimensions



Always indicate the item number when ordering.

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Pipe system accessories

Quick pipe shears

IP 44 M

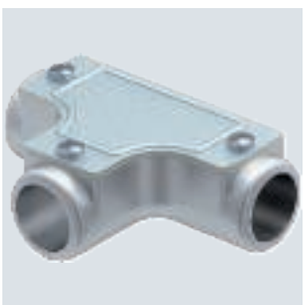
Type	Cutting area mm		Pack Piece	Weight kg/100 pc.	Item no.
SQ 1632	16-32		1	40.000	**2153572**

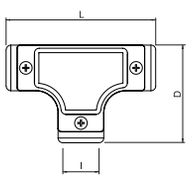
Shears for burr-free cutting of Quick Wire electrical installation pipe Ø 16–32 mm.

Control pieces

Control T piece without thread

AIG
IP 54

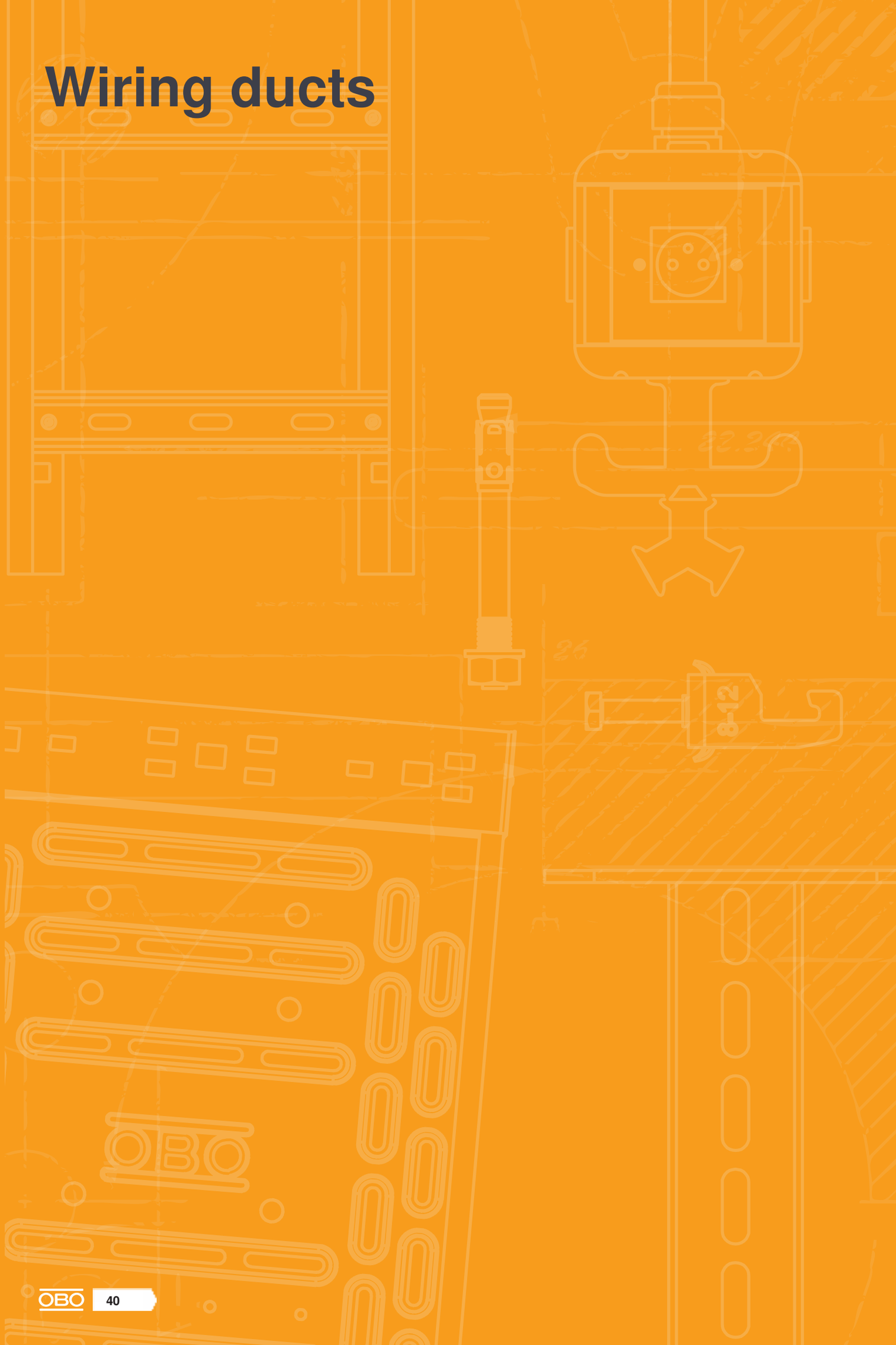




Type	Size	Dim. D mm	Dim. L mm	Dim. l mm	Pack Piece	Weight kg/100 pc.	Item no.
SKT16W ALU	16	47.5	72	16	5	6.900	**2047588**
SKT20W ALU	20	65	102	20	5	12.900	**2047589**
SKT25W ALU	25	75	115	25	5	21.500	**2047590**
SKT32W ALU	32	96	156	32	4	45.300	**2047591**
SKT40W ALU	40	96	156	40	4	32.800	**2047592**
SKT50W ALU	50	124.5	194	50	2	53.100	**2047593**

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

Wiring ducts



Wiring ducts

LK4 wiring ducts 42

LKV wiring ducts 54

Wiring trunking HF METRA 66

Accessories, wiring ducts 74

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Precise measurements, tested quality

Wiring ducts by OBO Bettermann

HALOGEN FREE

OBO wiring ducts stand out through a wide range of benefits:

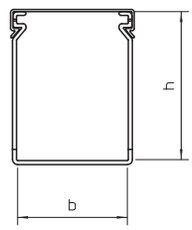
- Stable duct with high-quality thicknesses
- Exact predetermined breaking points in the strut and base area
- Soft, burr-free slot, rounded tabs
- Cut edges rounded and deburred in the closing area
- Secure positioning of the covers through optimum closing contours
- Wire retaining nose allows wiring without wire retaining clamp

PVC

Wiring trunking, type LK4 15015

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 15015	Stone grey	2000	15x15	2	12.000	**6178001**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

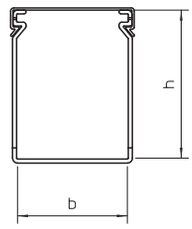


PVC

Wiring trunking, type LK4 30015

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 30015	Stone grey	2000	15x30	2	18.000	**6178003**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

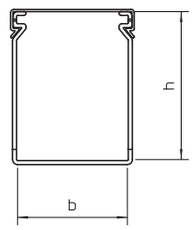


PVC

Wiring trunking, type LK4 30025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 30025	Stone grey	2000	25x30	2	28.000	**6178005**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

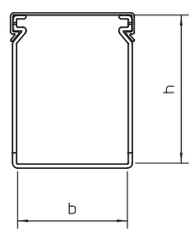


PVC

Wiring trunking, type LK4 40025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 40025	Stone grey	2000	25x40	2	36.500	**6178010**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



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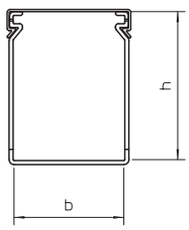
Always indicate the item number when ordering.

LK4 wiring trunking

Wiring trunking, type LK4 40040

PVC

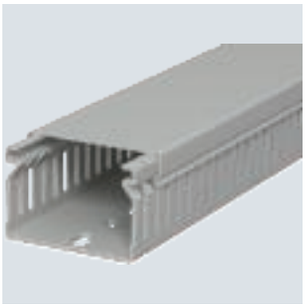


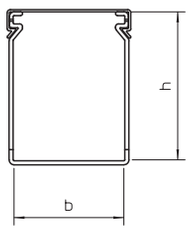
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 40040	Stone grey	2000	40x40	2	44.000	**6178012**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40060

PVC



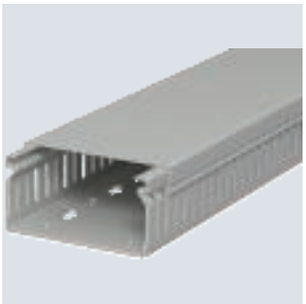


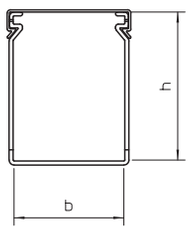
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 40060	Stone grey	2000	60x40	2	57.000	**6178014**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40080

PVC



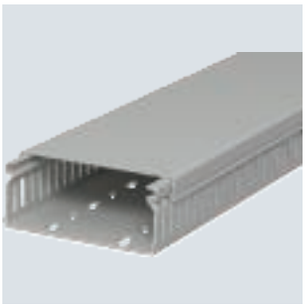


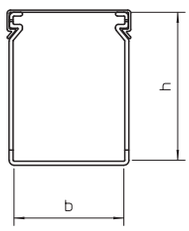
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 40080	Stone grey	2000	80x40	2	71.000	**6178016**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 40100

PVC





Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 40100	Stone grey	2000	100x40	2	85.500	**6178018**

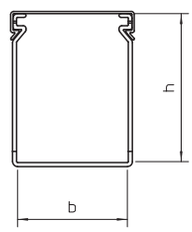
Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

PVC

Wiring trunking, type LK4 60015

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60015	Stone grey	2000	15x60	2	32.500	**6178026**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

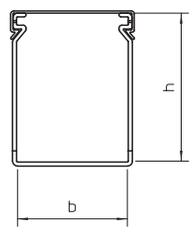


PVC

Wiring trunking, type LK4 60025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60025	Stone grey	2000	25x60	2	46.000	**6178028**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

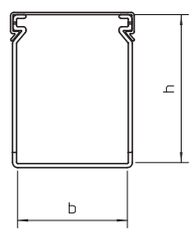


PVC

Wiring trunking, type LK4 60040

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60040	Stone grey	2000	40x60	2	53.500	**6178031**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

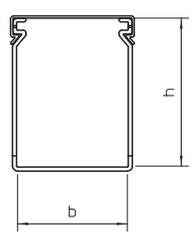


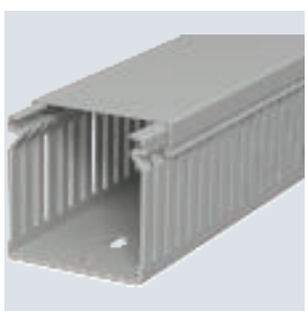
PVC

Wiring trunking, type LK4 60060

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60060	Stone grey	2000	60x60	2	64.500	**6178033**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.





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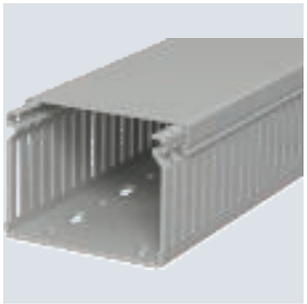
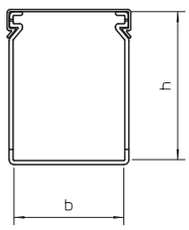
Always indicate the item number when ordering.

Wiring trunking, type LK4 60080

PVC



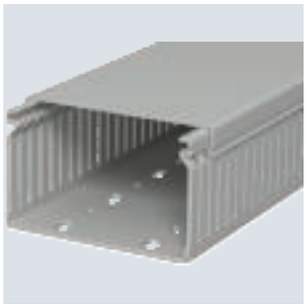


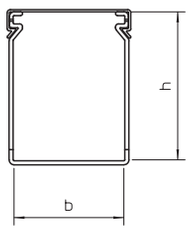
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60080	Stone grey	2000	80x60	2	82.500	**6178035**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 60100

PVC



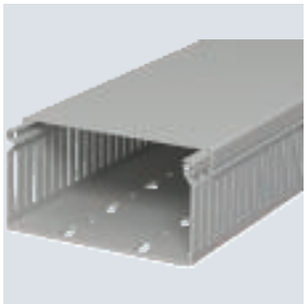


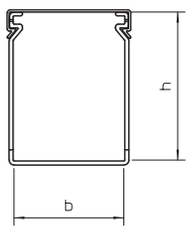
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60100	Stone grey	2000	100x60	2	100.000	**6178037**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 60120

PVC



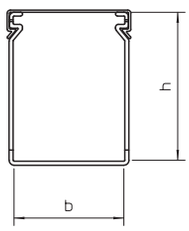


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 60120	Stone grey	2000	120x60	2	117.000	**6178039**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 80025

PVC



Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80025	Stone grey	2000	25x80	2	61.000	**6178050**

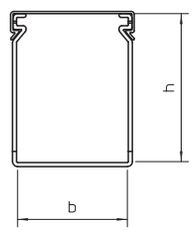
Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

PVC

Wiring trunking, type LK4 80025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80025	Stone grey	2000	25x80	32	61.000	**6178940**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

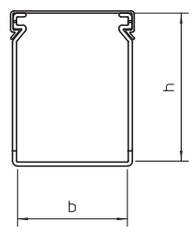


PVC

Wiring trunking, type LK4 80040

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80040	Stone grey	2000	40x80	2	64.500	**6178052**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

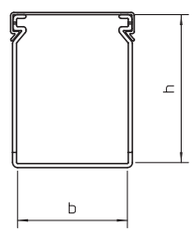


PVC

Wiring trunking, type LK4 80060

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80060	Stone grey	2000	60x80	2	76.000	**6178054**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

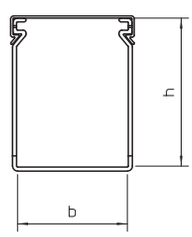


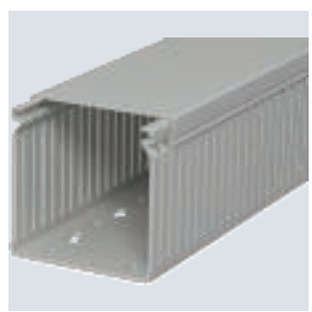
PVC

Wiring trunking, type LK4 80080

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80080	Stone grey	2000	80x80	2	95.500	**6178056**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.





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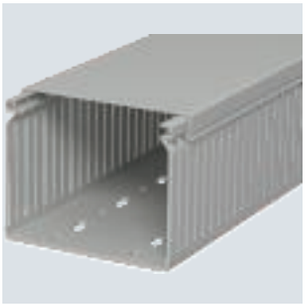
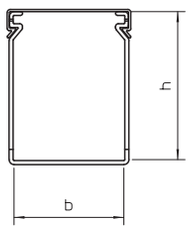
Always indicate the item number when ordering.

LK4 wiring trunking

Wiring trunking, type LK4 80100

PVC



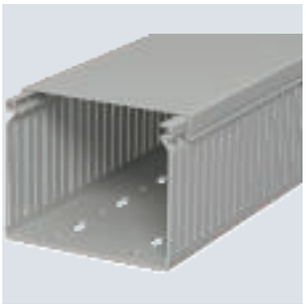


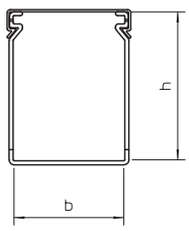
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80100	Stone grey	2000	100x80	2	111.500	**6178059**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 80100

PVC



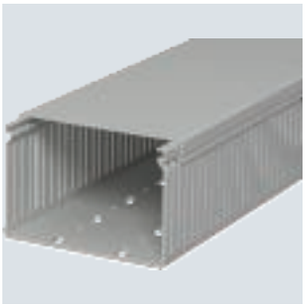


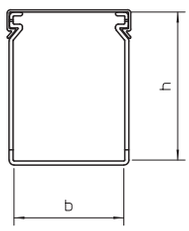
Type	Colour	Length mm	Dimension W x H mm	Pack Piece	Weight kg/100 pc.	Item no.
LK4 80100	Stone grey	2400	100x80	96	267.600	**6179024**

Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4 80120

PVC





Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 80120	Stone grey	2000	120x80	2	128.500	**6178061**

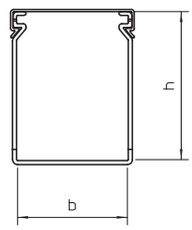
Wiring trunking including cover and base perforation. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

PVC

Wiring duct, type LK4/N 60015

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60015	Stone grey	2000	15x60	2	41.000	**6178201**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out.

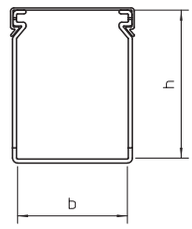


PVC

Wiring trunking, type LK4/N 60025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60025	Stone grey	2000	25x60	2	48.500	**6178203**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

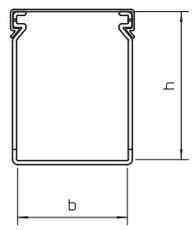


PVC

Wiring trunking, type LK4/N 60040

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60040	Stone grey	2000	40x60	2	56.000	**6178205**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

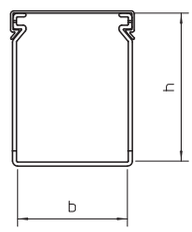


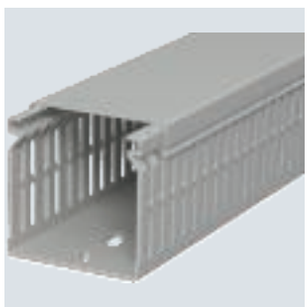
PVC

Wiring trunking, type LK4/N 60060

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60060	Stone grey	2000	60x60	2	68.000	**6178207**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.





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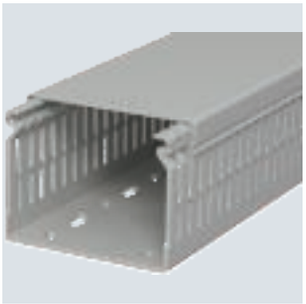
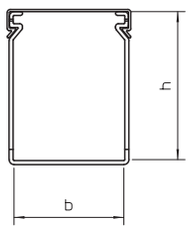
Always indicate the item number when ordering.

LK4/N wiring trunking

Wiring trunking, type LK4/N 60080

PVC



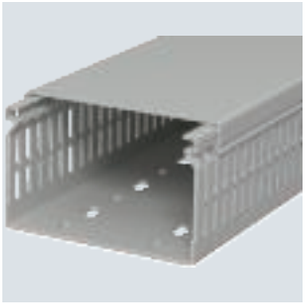


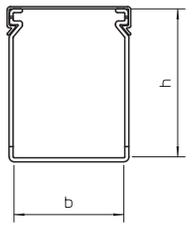
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60080	Stone grey	2000	80x60	2	87.000	**6178209**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4/N 60100

PVC



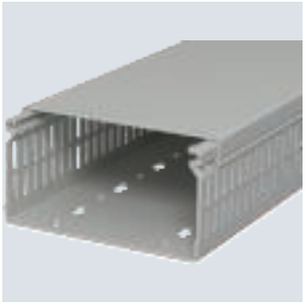


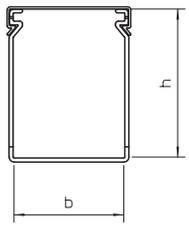
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60100	Stone grey	2000	100x60	16	105.500	**6178211**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4/N 60120

PVC



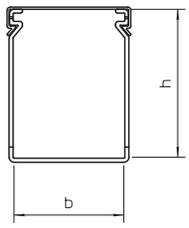


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 60120	Stone grey	2000	120x60	8	120.500	**6178213**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Wiring trunking, type LK4/N 80025

PVC



Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80025	Stone grey	2000	25x80	2	65.000	**6178225**

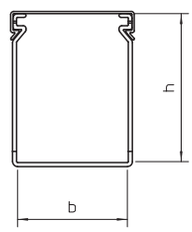
Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

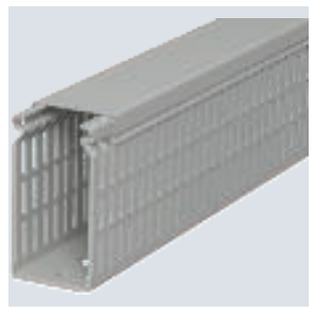
PVC

Wiring trunking, type LK4/N 80040

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80040	Stone grey	2000	40x80	2	73.500	**6178227**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



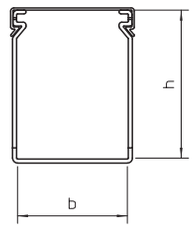


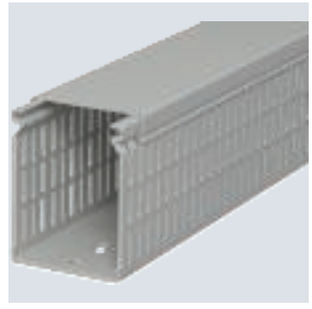
PVC

Wiring duct, type LK4/N 80060

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80060	Stone grey	2000	60x80	2	82.000	**6178229**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



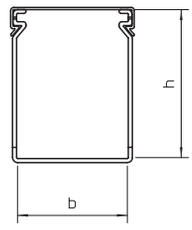


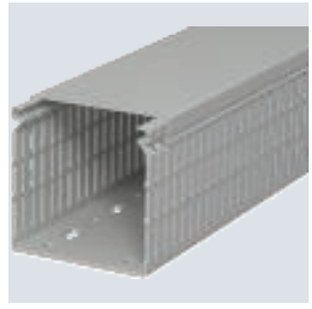
PVC

Wiring trunking, type LK4/N 80080

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80080	Stone grey	2000	80x80	2	101.000	**6178231**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.



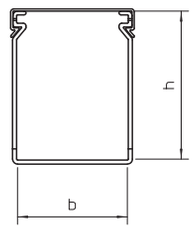


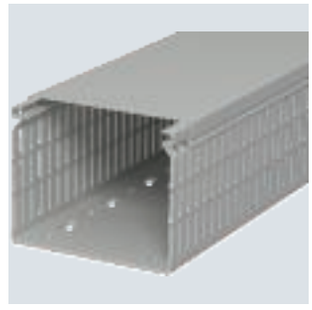
PVC

Wiring trunking, type LK4/N 80100

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80100	Stone grey	2000	100x80	2	116.500	**6178233**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.





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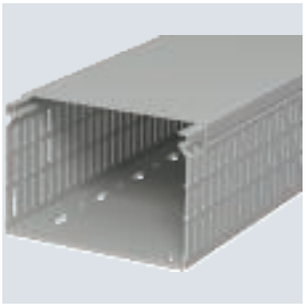
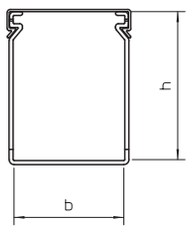
Always indicate the item number when ordering.

Wiring trunking, type LK4/N 80120

PVC





Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LK4 N 80120	Stone grey	2000	120x80	2	133.500	**6178236**

Wiring trunking including cover and base perforation, tapering in the side slots stops the cables from falling out. The nominal dimension of the system size corresponds to the internal dimension of the trunking. Special lengths on request.

Precise measurements, tested quality

Wiring ducts by OBO Bettermann

HALOGEN FREE

OBO wiring ducts stand out through a wide range of benefits:

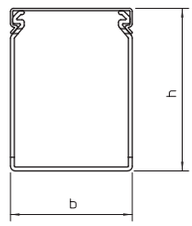
- Stable duct with high-quality thicknesses
- Exact predetermined breaking points in the strut and base area
- Soft, burr-free slot, rounded tabs
- Cut edges rounded and deburred in the closing area
- Secure positioning of the covers through optimum closing contours
- Wire retaining nose allows wiring without wire retaining clamp

PVC

Wiring trunking, type LKV 25025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 25025	Stone grey	2000	25x25	32	24.000	**6178302**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

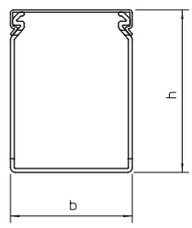


PVC

Wiring trunking, type LKV 37025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 37025	Stone grey	2000	25x37,5	32	31.500	**6178305**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

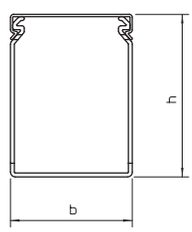


PVC

Wiring trunking, type LKV 37037

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 37037	Stone grey	2000	37,5 x 37,5	60	40.500	**6178307**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

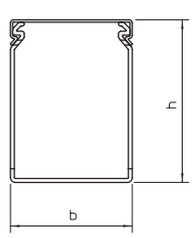


PVC

Wiring trunking, type LKV 50025

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 50025	Stone grey	2000	25x50	60	35.500	**6178310**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.



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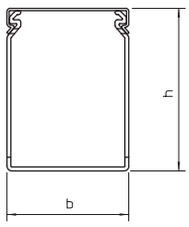
Always indicate the item number when ordering.

Wiring trunking, type LKV 50037

PVC

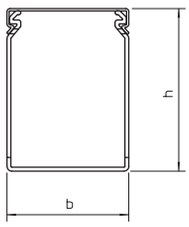


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 50037	Stone grey	2000	37,5 x 50	48	44.500	**6178312**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 50050

PVC

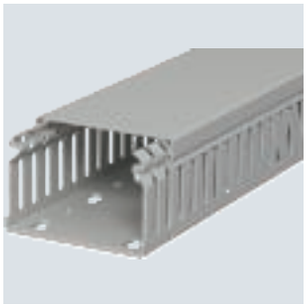


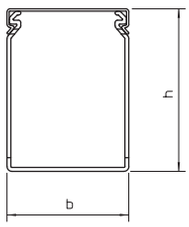
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 50050	Stone grey	2000	50x50	36	50.000	**6178314**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 50075

PVC



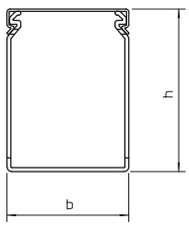


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 50075	Stone grey	2000	75x50	24	66.000	**6178316**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 75025

PVC



Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75025	Stone grey	2000	25x75	40	48.500	**6178320**

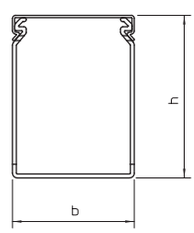
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

PVC

Wiring trunking, type LKV 75037

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75037	Stone grey	2000	37,5 x 75	32	58.500	**6178322**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

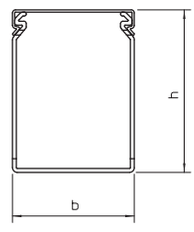


PVC

Wiring trunking, type LKV 75050

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75050	Stone grey	2000	50x75	24	67.500	**6178324**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

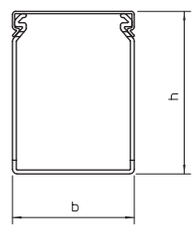


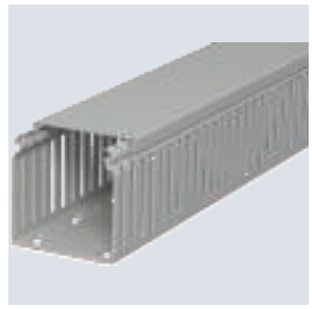
PVC

Wiring trunking, type LKV 75075

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75075	Stone grey	2000	75x75	16	80.000	**6178326**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.



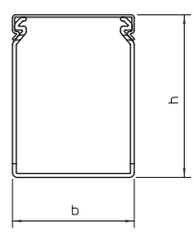


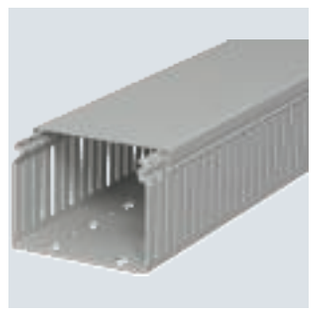
PVC

Wiring trunking, type LKV 75100

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75100	Stone grey	2000	100x75	16	105.500	**6178328**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.





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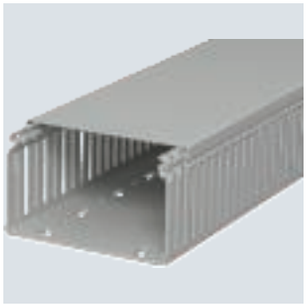
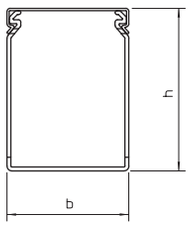
Always indicate the item number when ordering.

LKV DIN wiring trunking

Wiring trunking, type LKV 75125

PVC



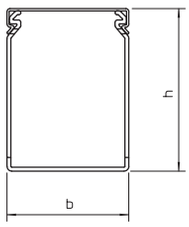


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 75125	Stone grey	2000	125 x 75	8	128.500	**6178330**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 10037

PVC

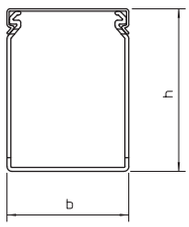


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 10037	Stone grey	2000	37,5x100	32	67.000	**6178334**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 10050

PVC

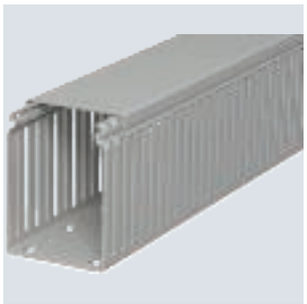


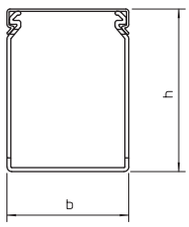
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 10050	Stone grey	2000	50x100	24	77.000	**6178336**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

Wiring trunking, type LKV 10075

PVC





Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV 10075	Stone grey	2000	75x100	16	96.000	**6178338**

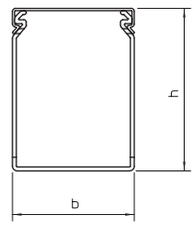
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.

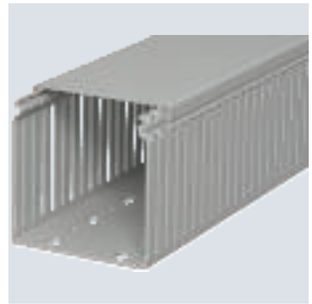
PVC

Wiring trunking, type LKV 100100

Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKV 100100	Stone grey	2000	100x100		8	116.500	**6178341**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation. Special lengths on request.





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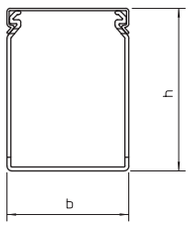
Always indicate the item number when ordering.

Wiring trunking, type LKV N 75025

PVC

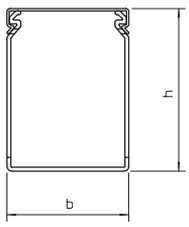


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75025	Stone grey	2000	25x75	40	49.500	**6178420**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

Wiring trunking, type LKV N 75037

PVC

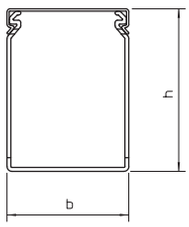


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75037	Stone grey	2000	37,5x75	32	60.500	**6178422**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

Wiring trunking, type LKV N 75050

PVC

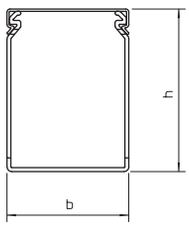


Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75050	Stone grey	2000	50x75	24	72.500	**6178424**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

Wiring trunking, type LKV N 75075

PVC



Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75075	Stone grey	2000	75x75	16	84.500	**6178426**

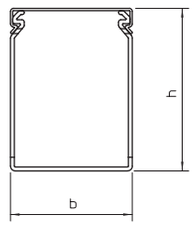
Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

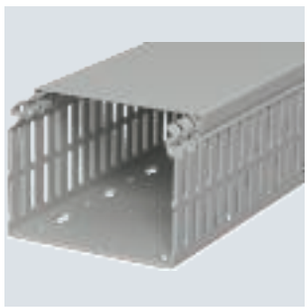
PVC

Wiring trunking, type LKV N 75100

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75100	Stone grey	2000	100x75	16	112.000	**6178428**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.



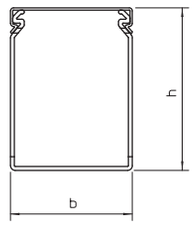


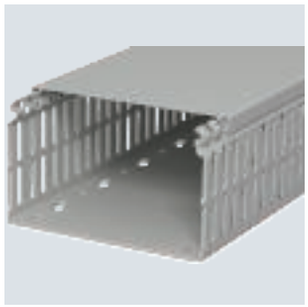
PVC

Wiring trunking, type LKV N 75125

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 75125	Stone grey	2000	125x75	8	138.500	**6178430**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.



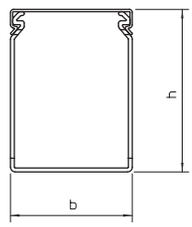


PVC

Wiring trunking, type LKV N 10037

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 10037	Stone grey	2000	37,5x100	32	73.000	**6178435**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

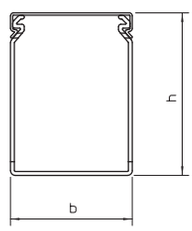


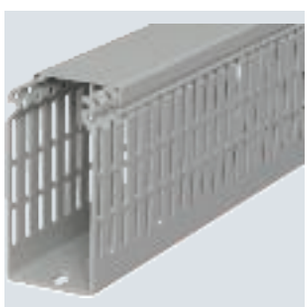
PVC

Wiring trunking, type LKV N 10050

Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 10050	Stone grey	2000	50x100	24	83.000	**6178437**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.





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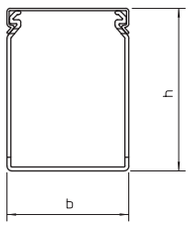
Always indicate the item number when ordering.

LKV/N DIN wiring trunking

Wiring trunking, type LKV N 10075

PVC

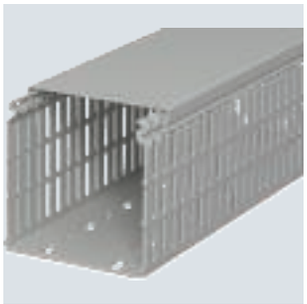


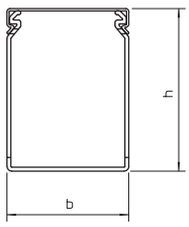
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 10075	Stone grey	2000	75x100	16	102.000	**6178439**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

Wiring trunking, type LKV N 100100

PVC





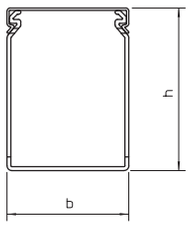
Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKV N 100100	Stone grey	2000	100x100	8	122.500	**6178441**

Wiring trunking to DIN EN 50085-2-3 including cover and base perforation, tapering in the side slots stops the cables from falling out.

LKVH DIN wiring trunking, halogen-free

Wiring trunking, type LKV H 50037

PC / ABS



Type	Colour	Length mm	Dimension W x H mm	Pack m	Weight kg/100 m	Item no.
LKVH 50037	Light grey	2000	37,5x50	48	32.000	**6178582**

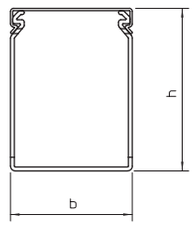
Halogen-free wiring duct including cover and base perforation to DIN EN 50085-2-3.

PC / ABS

Wiring trunking, type LKV H 50050

Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH 50050	Light grey	2000	50x50		36	37.000	**6178585**

Halogen-free wiring duct including cover and base perforation to DIN EN 50085-2-3.

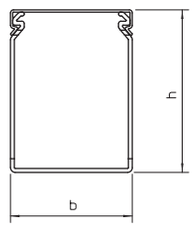


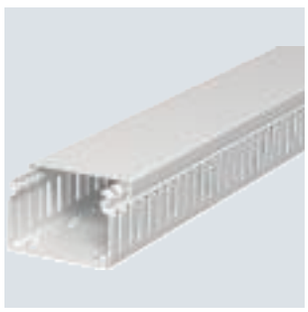
PC / ABS

Wiring trunking, type LKV H 50075

Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH 50075	Light grey	2000	75x50		24	52.000	**6178588**

Halogen-free wiring duct including cover and base perforation to DIN EN 50085-2-3.



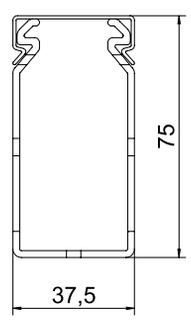


PC / ABS

Wiring trunking, type LKV H 75037

Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH N 75037	Light grey	2000	37,5 x 75		32	44.000	**6178552**

Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.

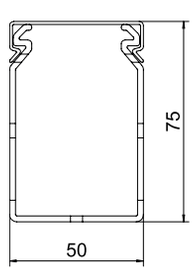


PC / ABS

Wiring trunking, type LKV H 75050

Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH N 75050	Light grey	2000	50x75		24	51.000	**6178556**

Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.



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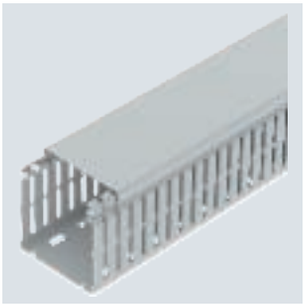
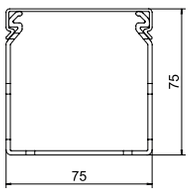
Always indicate the item number when ordering.

LKVH DIN wiring trunking, halogen-free

Wiring trunking, type LKV H 75075

PC / ABS



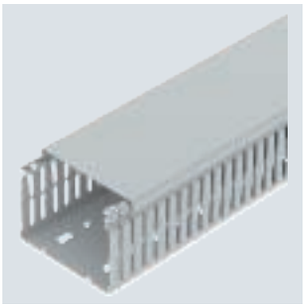


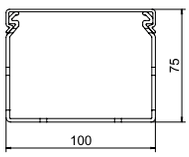
Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH N 75075	Light grey	2000	75x75		16	64.000	**6178559**

Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.

Wiring trunking, type LKV H 75100

PC / ABS



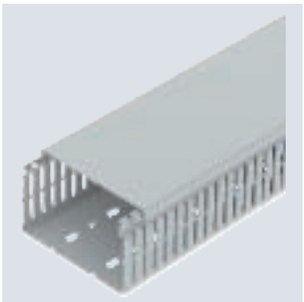


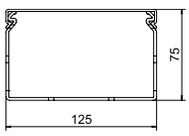
Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH N 75100	Light grey	2000	100x75		16	84.000	**6178563**

Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.

Wiring trunking, type LKV H 75125

PC / ABS





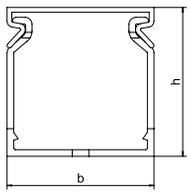
Type	Colour	Length mm	Dimension W x H mm		Pack m	Weight kg/100 m	Item no.
LKVH N 75125	Light grey	2000	125x75		8	98.500	**6178566**

Halogen-free wiring trunking including cover and base perforation to DIN EN 50085-2-3.

Wiring trunking HF-METRA, trunking height 30

Wiring trunking, type LK4H 30030

PC / ABS



Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H 30030	Light grey	2000	30	30		2	18.000	**6132540**

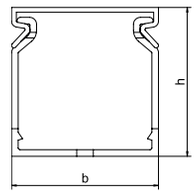
Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

PC / ABS

Wiring trunking, type LK4H 40025

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H 40025	Light grey	2000	25	40		2	21.000	**6132544**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

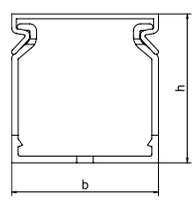


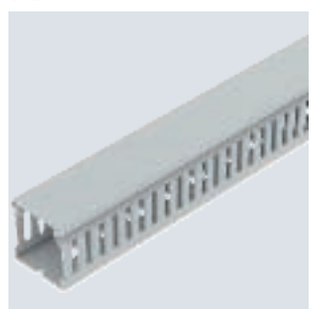
PC / ABS

Wiring trunking, type LK4H 40040

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H 40040	Light grey	2000	40	40		2	50.000	**6132546**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.



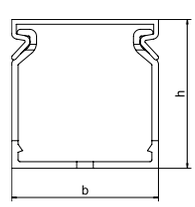


PC / ABS

Wiring trunking, type LK4H 40060

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H 40060	Light grey	2000	60	40		2	35.000	**6132548**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.



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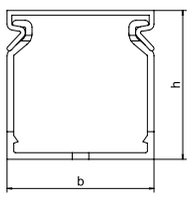
Always indicate the item number when ordering.

Wiring trunking HF-METRA, trunking height 60

Wiring trunking, type LK4H N 60025

PC / ABS

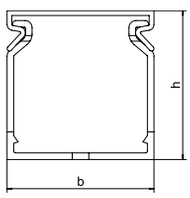


Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 60025	Light grey	2000	25	60		2	26.000	**6132550**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

Wiring trunking, type LK4H N 60040

PC / ABS

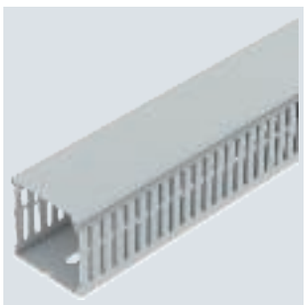


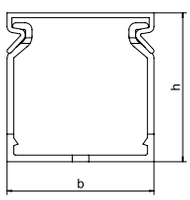
Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 60040	Light grey	2000	40	60		2	35.000	**6132552**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

Wiring trunking, type LK4H N 60060

PC / ABS



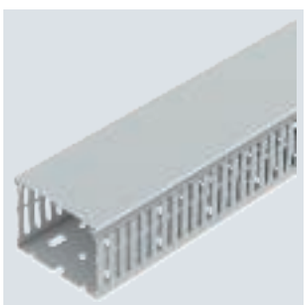


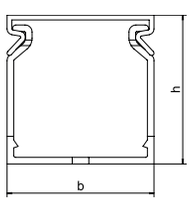
Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 60060	Light grey	2000	60	60		2	42.000	**6132554**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

Wiring trunking, type LK4H N 60080

PC / ABS





Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 60080	Light grey	2000	80	60		2	52.000	**6132556**

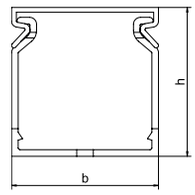
Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

PC / ABS

Wiring trunking, type LK4H N 80025

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 80025	Light grey	2000	25	80		2	35.000	**6132560**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

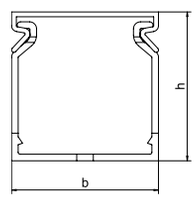


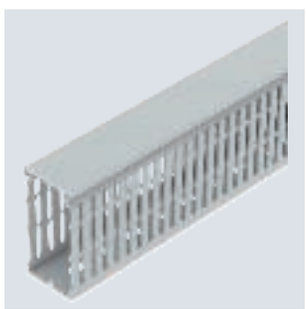
PC / ABS

Wiring trunking, type LK4H N 80040

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 80040	Light grey	2000	40	80		2	43.000	**6132562**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.



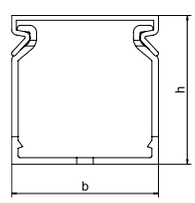


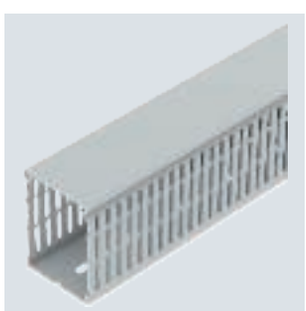
PC / ABS

Wiring trunking, type LK4H N 80060

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 80060	Light grey	2000	60	80		2	54.000	**6132564**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.



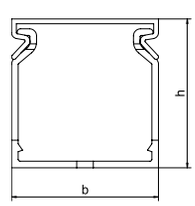


PC / ABS

Wiring trunking, type LK4H N 80080

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 80080	Light grey	2000	80	80		2	62.000	**6132566**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.



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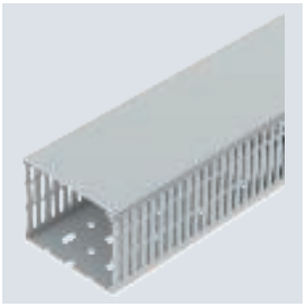
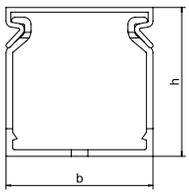
Always indicate the item number when ordering.

Wiring trunking HF-METRA, trunking height 80

Wiring trunking, type LK4H N 80100

PC / ABS





Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 80100	Light grey	2000	100	80		2	67.000	**6132568**

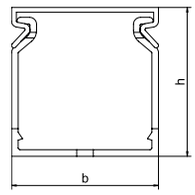
Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

PC / ABS

Wiring trunking, type LK4H N 10040

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 10040	Light grey	2000	40	100		2	90.000	**6132570**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

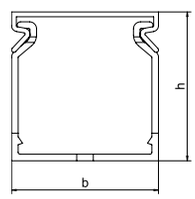


PC / ABS

Wiring trunking, type LK4H N 10060

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 10060	Light grey	2000	60	100		2	66.000	**6132572**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

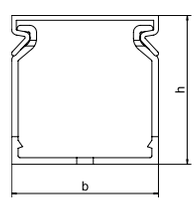


PC / ABS

Wiring trunking, type LK4H N 10080

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 10080	Light grey	2000	80	100		2	90.000	**6132574**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.

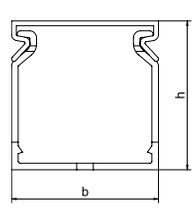


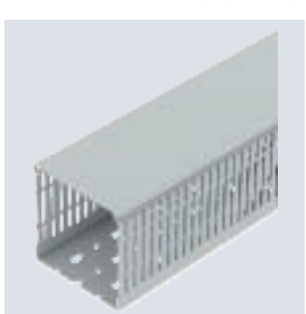
PC / ABS

Wiring trunking, type LK4H N 100100

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H N 100100	Light grey	2000	100	100		2	90.000	**6132576**

Halogen-free wiring trunking for horizontal and vertical routing in the switchgear cabinet.





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Always indicate the item number when ordering.

Trunking retaining clip VDK HF KHUni

PP

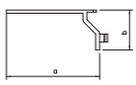
Type	Colour	Length mm	Width mm	Height mm		Pack Piece	Weight kg/100 pc.	Item no.
VDK HF KHKUni	Stone grey	76	20	22		50	1.000	**6132593**

Cover for HF halogen-free wiring duct.

Wire retainers

Wire retainer for type LK4 and LK4/N

PS

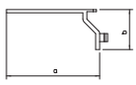


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LK4 H	Stone grey	56	25	100	0.348	**6178092**

Wire retainer for wiring duct, type LK4 and LK4/N. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

Wire retainer for type LKV and LKV N

PS

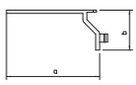


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKV H	Stone grey	56	25	100	0.343	**6178349**

Wire retainer for wiring duct, type LKV and LKV/N. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various trunking widths to 38, 28 and 23 mm.

Wire retainer for type LKV/H

PS



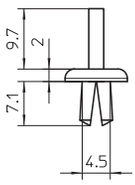
Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKV H H	Light grey	56	25	100	0.349	**6178650**

Wire retainer for halogen-free wiring duct, type LKV/H. The wire retainer prevents already inserted cables from falling out. These predetermined breaking points allow the length to be reduced for various duct widths to 38, 28 and 23 mm.

Spreading rivets

Spreading rivet, KSN 1

PP

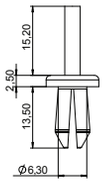


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
KSN1	Light grey	100	0.026	**6178520**

The KNW1 riveting tool should be used for rapid mounting and for the optimum function.

Body-bound rivet, KSN 22

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
KSN22	Light grey	100	0.070	**6178525**

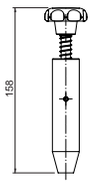
The KNW2 riveting tool should be used for rapid mounting and for the optimum function. Dimension of the drill hole: 6.5 mm.

POM

Plastic rivet tool KNW1

Type	Colour	Dimension	Pack Piece	Weight kg/100 pc.	Item no.
KNW1	Black	Ø 4,5mm	1	9.300	6178527

Riveting tool for installing body-bound rivets 4.5 mm.

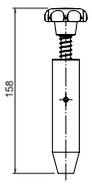


POM

Plastic rivet tool KNW2

Type	Colour	Dimension	Pack Piece	Weight kg/100 pc.	Item no.
KNW2	Black	Ø 6mm	1	9.400	6178529

Riveting tool for mounting spreading rivets 6 mm.



St

Release pliers

Type	Pack Piece	Weight kg/100 pc.	Item no.
AKZ2	1	45.000	6178533

To notch the bars down to the duct base.

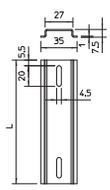
St FS

35

Hat profile rail 35 x 7.5 mm

Type	Version	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
2069 T100 GTP	For T100 lengthwise + T160 crosswise	118	10	4.140	1115382
2069 T160 GTP	For T160 lengthwise + T250, T350 crosswise	157	10	5.520	1115384
2069 T250 GTP	For T 250 lengthwise	206	10	7.107	1115386
2069 T350 GTP	For T 350 lengthwise	245	10	8.450	1115388
2069 T60 GTP	For T60 lengthwise + T100 crosswise	89	10	3.070	1115380

Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).



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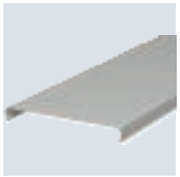
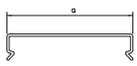
Always indicate the item number when ordering.

Covers

Cover LK4 D 120

PVC



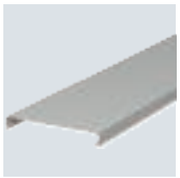


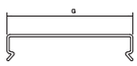
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 120	Stone grey	127.8	2000	2	45.500	**6178492**

Trunking cover for replacement requirements.

Cover LK4 D 100

PVC



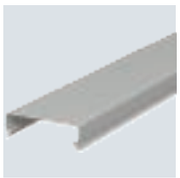


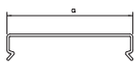
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 100	Stone grey	107.4	2000	2	35.500	**6178490**

Trunking cover for replacement requirements.

Cover LK4 D 80

PVC



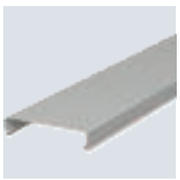


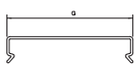
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 80	Stone grey	87	2000	2	27.000	**6178488**

Trunking cover for replacement requirements.

Cover LK4 D 60

PVC



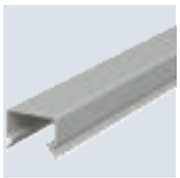


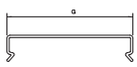
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 60	Stone grey	66.4	2000	2	18.000	**6178486**

Trunking cover for replacement requirements.

Cover LK4 D 15

PVC





Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 15	Stone grey	20	2000	2	8.500	**6178480**

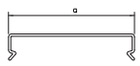
Trunking cover for replacement requirements.

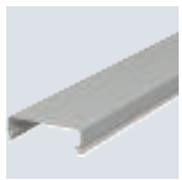
PVC

Cover LK4 D 40

Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 40	Stone grey	46.2	2000	2	13.500	**6178484**

Trunking cover for replacement requirements.



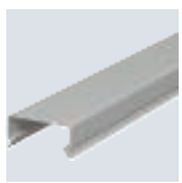


PVC

Cover LK4 D 25

Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LK4 D 25	Stone grey	31	2000	2	10.000	**6178482**

Trunking cover for replacement requirements.

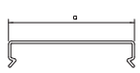


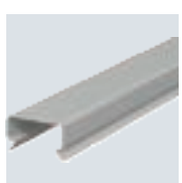
PVC

Cover LKV D 25

Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 25	Stone grey	25	2000	36	9.500	**6178504**

Trunking cover for replacement requirements.



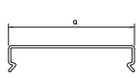


PVC

Cover LKV D 37

Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 37	Stone grey	37.5	2000	24	15.000	**6178506**

Trunking cover for replacement requirements.

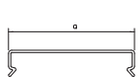


PVC

Cover LKV D 50

Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 50	Stone grey	50	2000	24	17.500	**6178508**

Trunking cover for replacement requirements.



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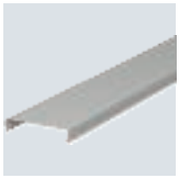
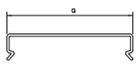
Always indicate the item number when ordering.

Covers

Cover LKV D 75

PVC



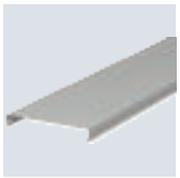


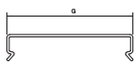
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 75	Stone grey	75	2000	12	23.000	**6178510**

Trunking cover for replacement requirements.

Cover LKV D 100

PVC



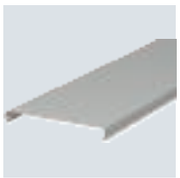


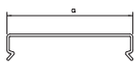
Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 100	Stone grey	100	2000	12	34.500	**6178512**

Trunking cover for replacement requirements.

Cover LKV D 125

PVC



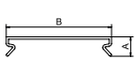


Type	Colour	Dim. mm	Length mm	Pack m	Weight kg/100 m	Item no.
LKV D 125	Stone grey	125	2000	16	47.000	**6178514**

Trunking cover for replacement requirements.

Cover LK4H 25

PC / ABS



Type	Colour	Length mm	Width mm	Height mm	Pack m	Weight kg/100 m	Item no.
LK4H D 25	Light grey	2000	25	10	2	8.000	**6132580**

Cover for LK4H 25 wiring trunking.

Cover LK4H 60

PC / ABS

Type	Colour	Length mm	Width mm	Height mm	Pack m	Weight kg/100 m	Item no.
LK4H D 60	Light grey	2000	60	10	2	20.000	**6132582**

Cover for LK4H wiring trunking.

PC / ABS

Cover LK4H 80

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H D 80	Light grey	2000	80	10		2	26.000	**6132584**

Cover for LK4H 80 wiring trunking.

PC / ABS

Cover LK4H 100

Type	Colour	Length mm	Width mm	Height mm		Pack m	Weight kg/100 m	Item no.
LK4H D 100	Light grey	2000	100	10		2	30.000	**6132586**

Cover for LK4H 100 wiring trunking.

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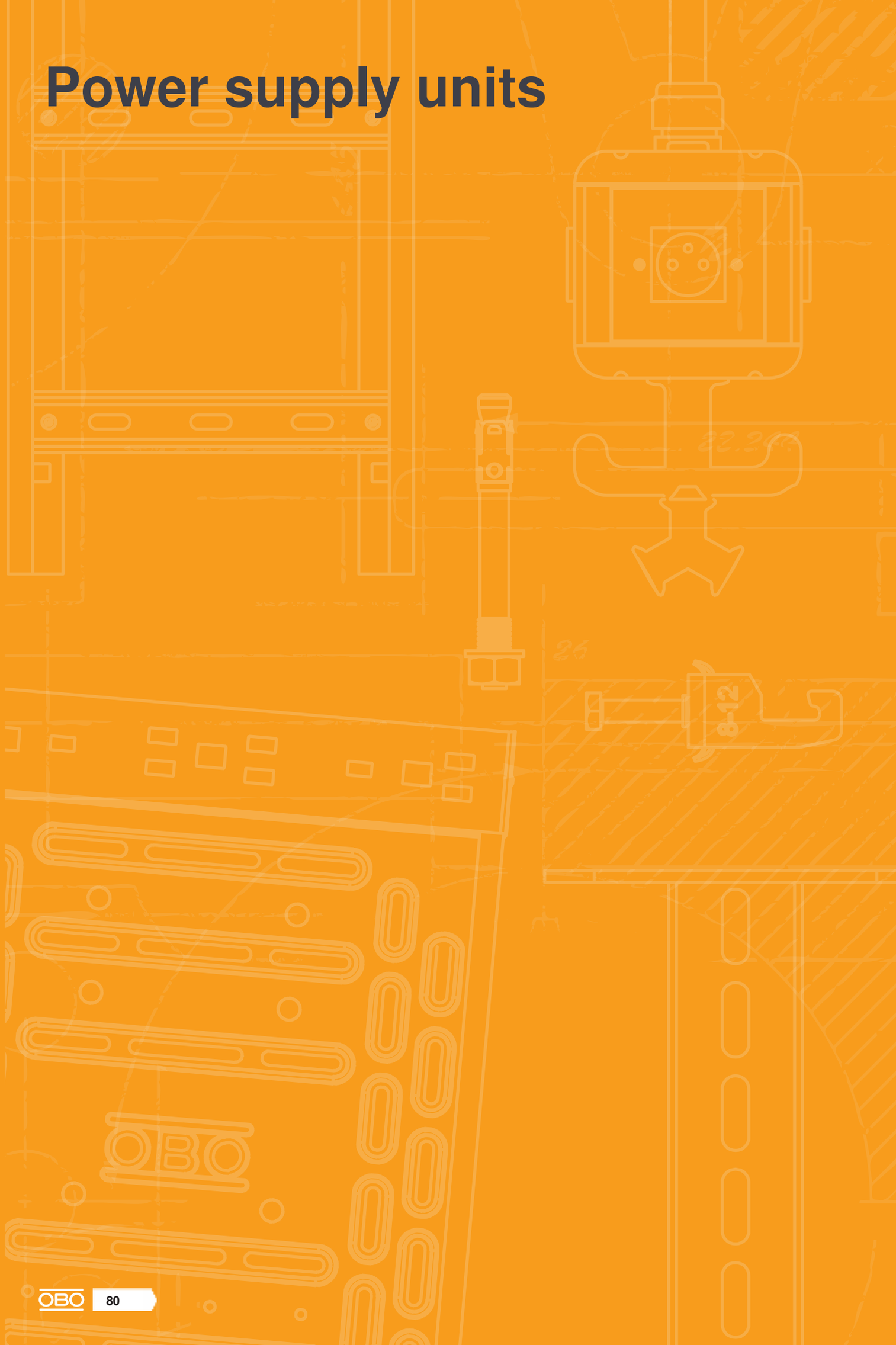
Always indicate the item number when ordering.

Power supply units



Power supply units

Power supply units 82

Mounting and suspension material 92

Accessories, power supply units 94

Motor connection columns 102

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Flexible equipment

Robust

Safe

Workshops and work areas

HoverCube by OBO

Suspended energy distributor for workplaces and machines in industry, the trades and in training areas. The HoverCubes can be placed freely in the room. They are supplied from the ceiling. Depending on the protection rating, they can be equipped flexibly from power, data and media technology through to work media such as compressed air.

Industrial and assembly workplaces

Seminar and classrooms

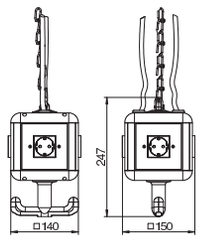
PA

HoverCube VH-4, 4x protective contact socket

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 4SD	Graphite black	1	95.000	6109802

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket
16 A/415 V, with partition for circuit separation.



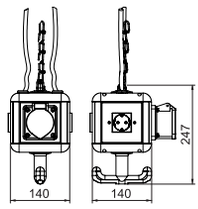
PA

HoverCube VH-4, 3x protective contact socket, 1x CEE 16 A

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 3SD1C16	Graphite black	1	115.700	6109804

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket
16 A/415 V, with partition for circuit separation.



Always indicate the item number when ordering.

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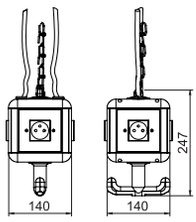
HoverCube VH-4, 4x earthing pin socket

PA



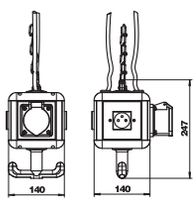
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 4SF	Graphite black	1	95.000	6109806

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket
16 A/415 V, with partition for circuit separation.

HoverCube VH-4, 3x earthing pin socket, 1x CEE 16 A

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 3SF1C16	Graphite black	1	115.700	6109808

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket
16 A/415 V, with partition for circuit separation.

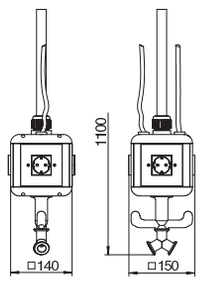
PA

HoverCube VH-4, 4x protective contact socket, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 4SD	Graphite black	1	428.600	6109812

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket
16 A/415 V, with partition for circuit separation.



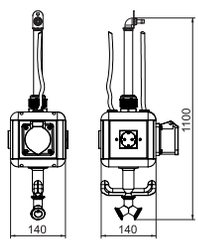
PA

HoverCube VH-4, 3x protective contact socket, 1x CEE 16 A, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 3SD1C16	Graphite black	1	380.000	6109814

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 3x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket
16 A/415 V, with partition for circuit separation.



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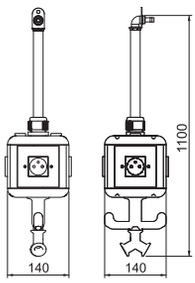
Always indicate the item number when ordering.

HoverCube VH-4, 4x earthing pin socket, with compressed air connection

PA



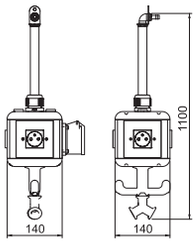
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 4SF	Graphite black	1	428.600	6109816

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 4x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2x 3-pin terminals, 1x CEE socket
16 A/415 V, with partition for circuit separation.

HoverCube VH-4, 3x earthing pin socket, 1x CEE 16 A, with compressed air connection

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L 3SF1C16	Graphite black	1	440.000	6109818

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

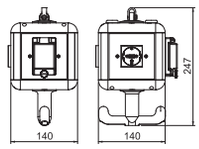
Equipped as follows: 3x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, 1x CEE socket
16 A/415 V, with partition for circuit separation.

PA

HoverCube VH-4, with FI/LS

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 2SD FILS	Graphite black	1	98.000	6109780
VH-4 2SF FILS	Graphite black	1	97.900	6109782

In the case of an overcurrent/error current (16 A/30 mA), the VH-4 HoverCube with decentral protection triggers the FI/LS directly. Switching back on can take place directly on the power supply unit. Equipped as follows: 2x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1x 3-pin terminal, with partition for circuit separation and an FI/LS switch. One unequipped side with a free panel for individual, construction-side equipment (e.g. blanking plate, cover plate for devices/Modul 45 devices).

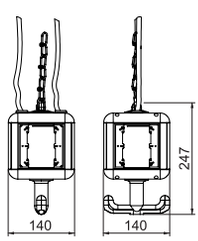


PA

HoverCube VH-4, empty housing

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 LG	Graphite black	1	62.000	6109800

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.



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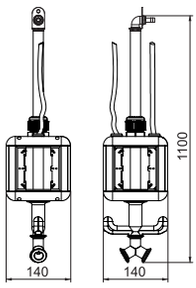
Always indicate the item number when ordering.

HoverCube VH-4, empty housing, with compressed air connection

PA

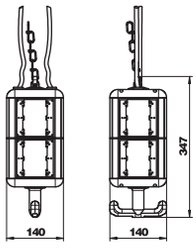


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4L LG	Graphite black	1	343.800	6109810

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.

HoverCube VH-8, empty housing

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 LG	Graphite black	1	88.200	6109821

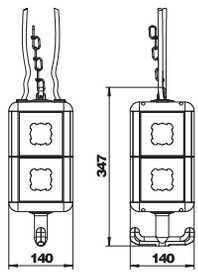
Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. Without cover plates.

PA

HoverCube VH-8, empty housing, with cover plates

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 LG8P2	Graphite black	1	123.400	6109820

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. With eight cover plates for accessories with concealed support ring or support bracket.

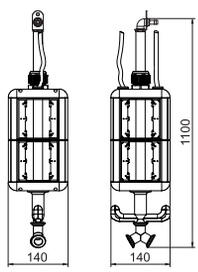


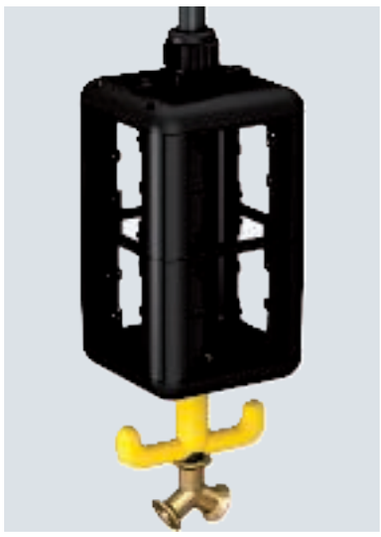
PA

HoverCube VH-8, empty housing, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8L LG	Graphite black	1	300.000	6109825

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates.





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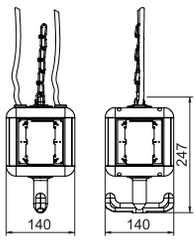
Always indicate the item number when ordering.

VH - Empty housing and installation accessories IP20, pure white

HoverCube VH-4, empty housing

PA



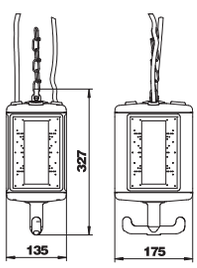
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 LG RW	Pure white	1	72.000	**6109801**

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.

VHF - Empty housing and installation accessories IP44

HoverCube VHF-8, empty housing

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-8 LG	Graphite black	1	105.000	**6109822**

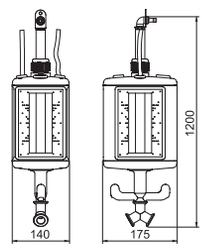
Empty housing with suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP44.

PA

HoverCube VHF-8, empty housing, with compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-8L LG	Graphite black	1	400.000	6109827

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP44.



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Always indicate the item number when ordering.

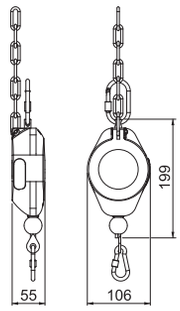
Modul 45® and standard – suspended power supply units VH / VHF

Suspended energy distributor for workplaces and machines in industry, the trades and in training areas. The HoverCubes can be placed freely in the room. They are supplied from the ceiling. Depending on the protection rating, they can be equipped flexibly from power, data and media technology through to work media such as compressed air.

Positioner for VH power supply units

Type	Designation	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-POS	Up to 6 kg load capacity	Orange	1	80.000	**6109887**

Positioner for variable height adjustment of a VH power supply unit, support load between 0.5 and 6.0 kg, maximum cable draw-out 1.5 m.



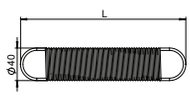
VA 2B

VH/VHF tension spring

Type		Pack Piece	Weight kg/100 pc.	Item no.
VH-F100VA		1	31.350	**6109829**

Tension spring for VH/VHF power supply units, with German eyelet.

Fmax.= 100 N
L0 = 200 mm
Ln = 500 mm (for Fmax.)
Material: VA ø 3.0 mm



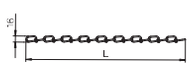
St

Knotted chain

Type	Designation		Pack m	Weight kg/100 m	Item no.
VH-K800	Sold by the metre		1	20.000	**6109870**

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.
Max. tensile force: 800 N.

Note: Specify the required chain length during ordering.



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Always indicate the item number when ordering.

Modul 45® and standard – suspended power supply units VH / VHF

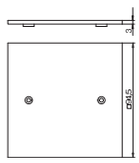
Suspended energy distributor for workplaces and machines in industry, the trades and in training areas. The HoverCubes can be placed freely in the room. They are supplied from the ceiling. Depending on the protection rating, they can be equipped flexibly from power, data and media technology through to work media such as compressed air.

PA

VH cover plate as blanking cover

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P1	Rape yellow	1	2.930	6109842

Cover plate as blanking cover.

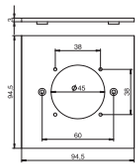


PA

VH cover plate, for 1x extension socket, type ASD

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P7	Rape yellow	1	1.890	6109839

Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.



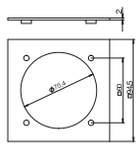
PA

Cover plate VH, for CEE connection unit

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P3	Rape yellow	1	1.830	6109838

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Information on equipment:
Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

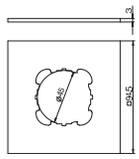


PA

Cover plate VH, for EK and EKR devices

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P2	Rape yellow	1	2.300	6109834

Cover plate with opening Ø 45 mm for the installation of a device with concealed support ring or support clamp.

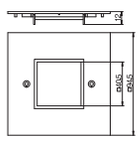


PA

VH cover plate, for Modul 45 devices, single

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P4	Rape yellow	1	2.030	6109840

Cover plate to install a single Modul 45 socket.



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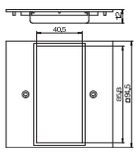
Always indicate the item number when ordering.

Cover plates

VH cover plate, for Modul 45 devices, double

PA



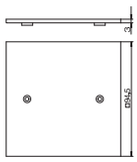
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P5	Rape yellow	1	1.749	**6109836**

Cover plate to install a double Modul 45 socket.

Cover plates

VH cover plate as blanking cover

PA

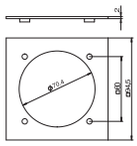


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P1 RW	Pure white	1	3.000	**6109843**

Cover plate as blanking cover.

Cover plate VH, for CEE connection unit

PA



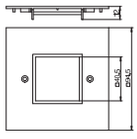
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P3 RW	Pure white	1	1.830	**6109837**

Cover plate with a Ø 70 mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Information on equipment:
Max. 2 CEE sockets 16/32 A in a power supply unit VH-4
Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

VH cover plate, for Modul 45 devices, single

PA

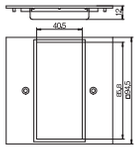


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P4 RW	Pure white	1	2.009	**6109841**

Cover plate to install a single Modul 45 socket.

VH cover plate, for Modul 45 devices, double

PA



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-P5 RW	Pure white	1	1.728	**6109835**

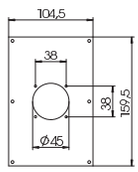
Cover plate to install a double Modul 45 socket.

PVC

VHF cover plate, with fastening system

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P7	Rape yellow	1	6.600	**6109878**

Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.

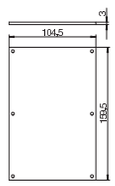


PVC

Cover plate VHF as blanking cover

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P1	Rape yellow	1	7.000	**6109868**

Cover plate as blanking cover.

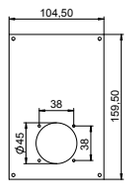


PVC

VHF cover plate, for 1x surface-mounted socket, type ASD

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P12	Rape yellow	1	7.400	**6109856**

Cover plate with a Ø 45 mm opening for the installation of an extension socket (type ASD-...) with 38 mm fastening track, including 4 screws for fastening the device.

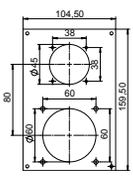


PVC

Cover plate VHF, for 1x surface-mounted socket, type ASD and 1x CEE connection unit

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P13	Rape yellow	1	7.400	**6109858**

Cover plate with a Ø 45 mm opening for the installation of one extension socket (type ASD-...) with 38 mm fastening track and a Ø 60 mm opening for the installation of one CEE socket 16/32 A with 60 mm fastening track, including 8 screws for fastening the device.

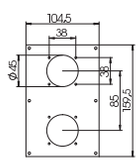


PVC

VHF cover plate, for 2x surface-mounted socket, type ASD

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P8	Rape yellow	1	5.900	**6109879**

Cover plate with two Ø 45 mm openings for the installation of two extension sockets (type ASD-...) with 38 mm fastening track, including 8 screws for fastening the device.



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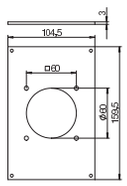
Always indicate the item number when ordering.

Cover plates

Cover plate VHF, for CEE connection unit

PVC

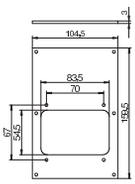


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P3	Rape yellow	1	7.000	**6109865**

Cover plate with a Ø 70 mm opening for the installation of 1x CEE socket 16/32 A with 60 mm fastening track, including 4 screws for fastening the device.

Cover plate VHF for protective equipment installation

PVC



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-P6	Rape yellow	1	4.700	**6109867**

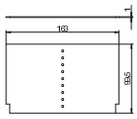
Cover plate with cut out for the installation of a cover above protection unit (type VHF-AE4TE). Maximum equipment corresponds to four units.

Cover plate for the VHF power supply units for the installation of a cover above protection unit (type VHF-AE4TE). Maximum equipment corresponds to four units.

Partitions

Partition VH-4

PVC

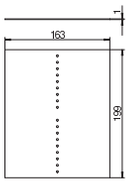


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-4 TW	Graphite black	1	2.350	**6109832**

Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-4.

Partition VH-8

PVC



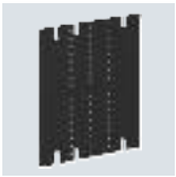
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH-8 TW	Graphite black	1	4.890	**6109862**

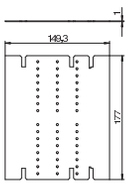
Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-8.

Partitions

Partition VHF, with compressed air connection

PVC





Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-TW L	Graphite black	1	3.900	**6109861**

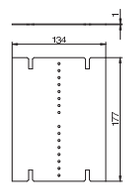
Additional partition wall for reciprocal insulation of three different power circuits and types.

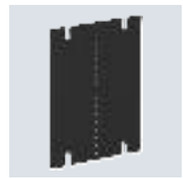
PVC

Partition VHF, without compressed air connection

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VHF-TW	Graphite black	1	3.520	6109860

Additional partition wall for reciprocal insulation of three different power circuits and types.





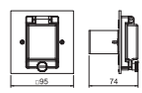
PA

Mounting set VH4

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VH MS FILS	Yellow	1	10.500	6109788
VH MS FILS RW	Pure white	1	10.500	6109789

Mounting kit for the installation of series-mounted devices up to 2 part units, e.g. of an FI/LS switch in the freely terminable HoverCube VH4/VH8.

Mounting of the FI/LS switch is possible at a later time, irrespective of the system.

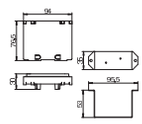


VHF protective unit construction, cover and support clamp

Type	Pack Piece	Weight kg/100 pc.	Item no.
VHF-AE4TE	1	12.800	6109850

Cover and support clamp for the installation of protective equipment such as miniature circuit breakers or FI protection switches to max. four units.

Note: Use only in conjunction with the supports VHF-T1 or VHF-T2.

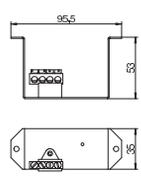


St

VHF protective unit construction, support with PE terminal strip

Type	Pack Piece	Weight kg/100 pc.	Item no.
VHF-T1	1	6.730	6109852

Support with PE terminal strip for installation of FI protection switches, consisting of:
- Base element with hat rail 35 mm and PE terminal strip 4 x 10 mm²
- Fastening material



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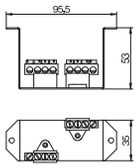
Always indicate the item number when ordering.

Support with terminal strip

VHF protective unit construction, support with N + PE terminal strip

St

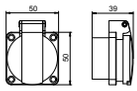


Type	Pack Piece	Weight kg/100 pc.	Item no.
VHF-T2	1	8.380	**6109854**

Support with N and PE terminal strip for installation of miniature circuit-breakers, consisting of:
- Base element with hat rail 35 mm, N terminal strip 4 x 10 mm² and PE terminal strip 4 x 10 mm²
- Fastening material

Extension sockets with hinged cover

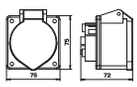
Surface-mounted socket 0° with hinged cover, protective contact, single



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ASD-D0 SW	Black	1	4.804	**6109873**

Protective contact extension socket 0° with hinged cover, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1. Protection rating: IP44.

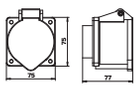
CEE connection unit, 16 A



Type	Pack Piece	Weight kg/100 pc.	Item no.
CEE-16A	1	19.100	**6109874**

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h.

CEE connection unit, 32 A



Type	Pack Piece	Weight kg/100 pc.	Item no.
CEE-32A	1	20.400	**6109876**

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.

Motor connection column

Electrical drives, such as motors, etc., are connected using the motor connection column. Thus the motor connection column, together with the modular system and individually combinable range of accessories, is the universal solution to any task.

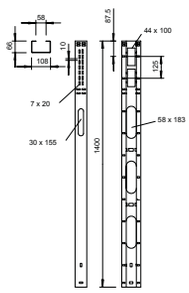
Vertical motor connection column with special perforation for starting-up and supplying electrical machines and drives.

St FT

Motor connection column

Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
MAS 140 10 FT	1400	1	505.000	**6356311**

Vertical motor connection column to supply electrical devices.

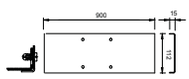


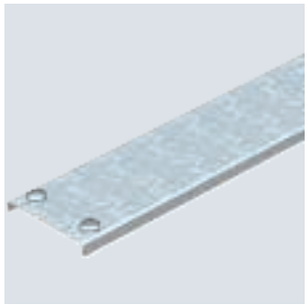
St FT

Cover for motor connection column

Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
MASD 90 FT	900	1	160.000	**6356915**

Cover with turn buckle for motor connection column.



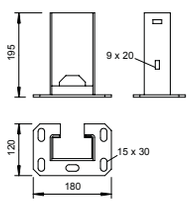


St FT

Column foot

Type	Pack Piece	Weight kg/100 pc.	Item no.
SF 140 11 FT	1	200.000	**6356397**

Column foot for fastening of the motor connection column.

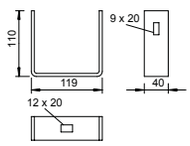


St FT

Mounting bracket

Type	Pack Piece	Weight kg/100 pc.	Item no.
BF 140 10 FT	10	50.000	**6356362**

Mounting bracket for side fastening of motor connection columns to bases or on the wall.



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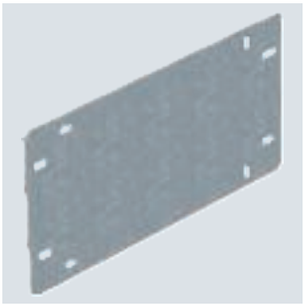
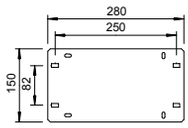
Always indicate the item number when ordering.

Device plate GP 15

St FT



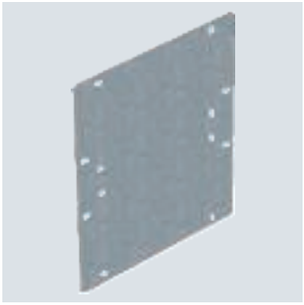


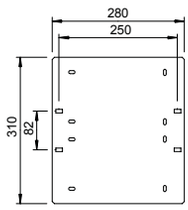
Type	Pack Piece	Weight kg/100 pc.	Item no.
GP 15 28 FT	1	101.000	6357008

Mounting plate for fastening to motor connection column, type MAS 140/10.

Device plate GP 31

St FT

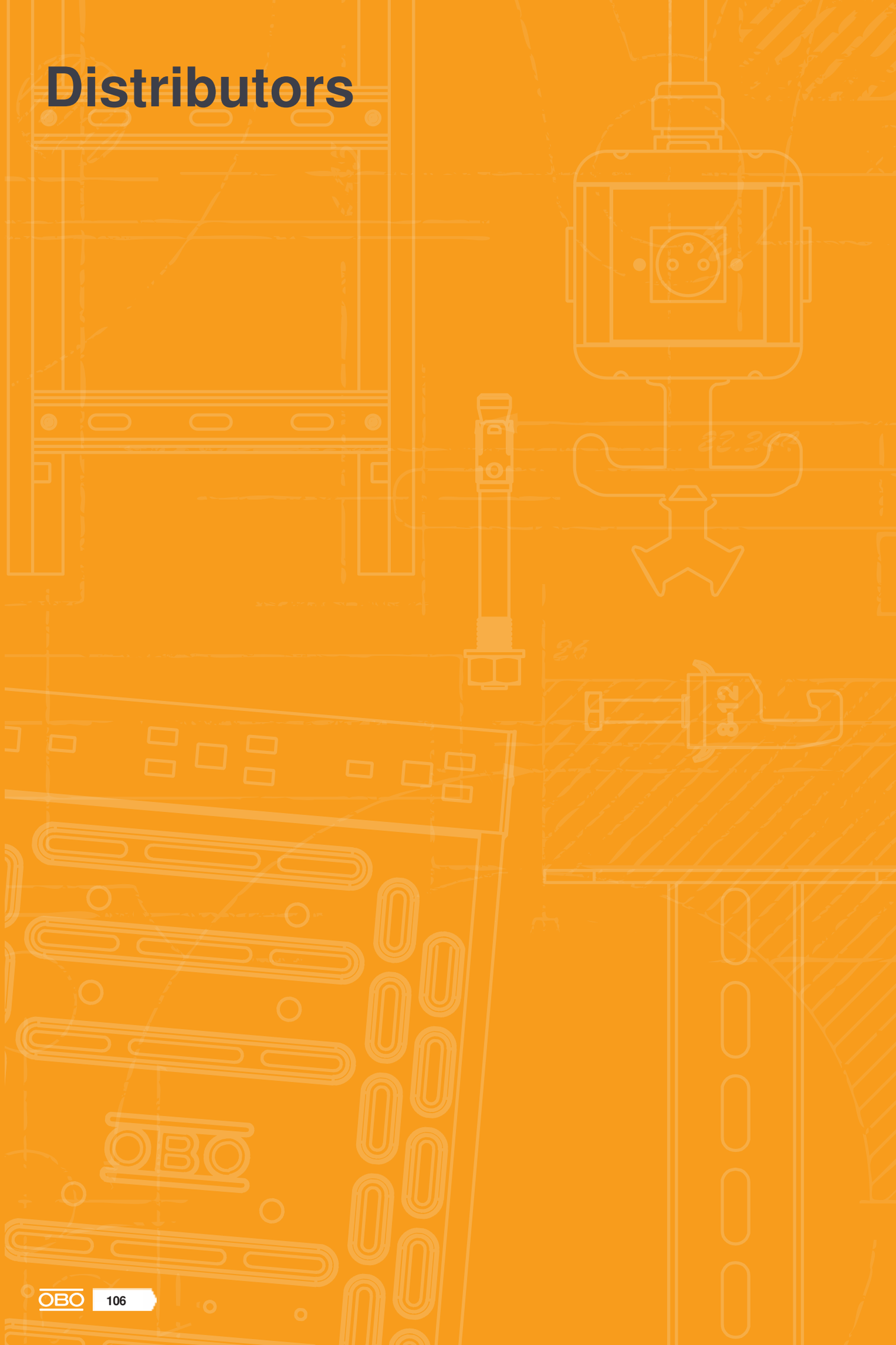




Type	Pack Piece	Weight kg/100 pc.	Item no.
GP 31 28 FT	1	210.000	6357016

Mounting plate for fastening to motor connection column, type MAS 140/10.

Distributors



Distributors

Small distributors 108

Accessories, small distributors 114

Hat profile and support rails 116

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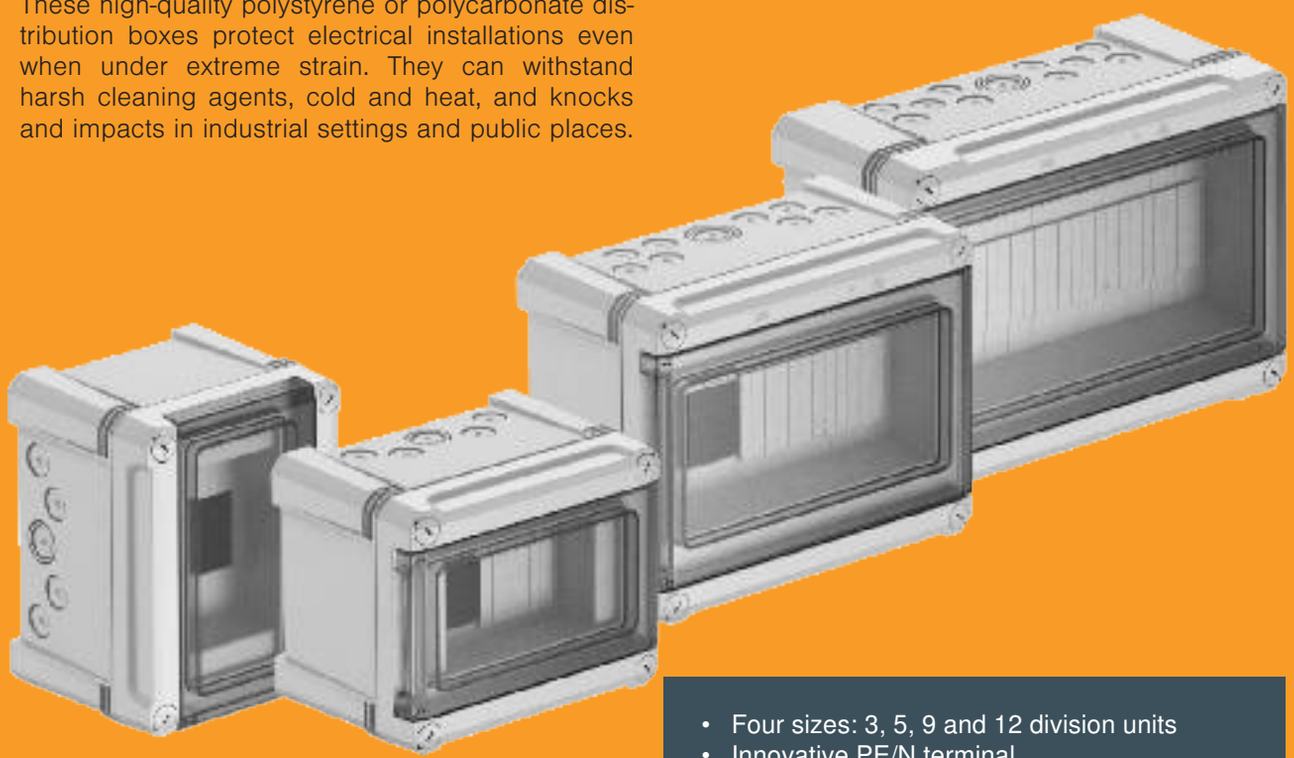
SDB distribution box series

These high-quality polystyrene or polycarbonate distribution boxes protect electrical installations even when under extreme strain. They can withstand harsh cleaning agents, cold and heat, and knocks and impacts in industrial settings and public places.



- Four sizes: 3, 5, 9 and 12 division units
- Innovative PE/N terminal
- Flexible fastening
- Adhesive labelling sheets

IP 66

IK 07

PC

IP 66 | IK 07 | M20 | M25 | M | 400 V | UV RESISTANT | 850° | Fluor Chlor free | HALOGEN FREE | D E

Distribution box, 3 division units, with screwless terminal

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 03 PC	Connector	Light grey	150x190x125	1	75.540	**2008840**

Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and exterior mounting
VDE-tested to DIN EN 61439
Accessories:
· Terminal strip set consisting of: One PE/N terminal (1x25 mm² and 1x16 mm² screw terminal points, 2x4 mm² and 12x2.5 mm² screwless terminals), mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling
·Two elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· Two stainless steel external fastenings
· Cover strip for closing off unused separation units

PC

IP 66 | IK 07 | M20 | M25 | M | 400 V | UV RESISTANT | 850° | Fluor Chlor free | HALOGEN FREE | D E

Distribution box, 5 division units, with screwless terminal

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 05 PC	Connector	Light grey	190x150x125	1	76.040	**2008844**

Surface-mounteddistribution box, with protective insulation for max. 5 division units. There are 5 break-out openings (4x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and exterior mounting
VDE-tested to DIN EN 61439
Accessories:
· Terminal strip set consisting of: One PE/N terminal (1x25 mm² and 1x16 mm² screw terminal points, 2x4 mm² and 12x2.5 mm² screwless terminals), mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling
· Four elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· Two stainless steel external fastenings
· Cover strip for closing off unused separation units

PC

IP 66 | IK 07 | M20 | M25 | M32 | M | 400 V | UV RESISTANT | 850° | Fluor Chlor free | HALOGEN FREE | D E

Distribution box, 9 division units, with screwless terminal

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 09 PC	Connector	Light grey	240x191x125	1	103.840	**2008848**

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and exterior mounting
VDE-tested to DIN EN 61439
Accessories:
· Terminal strip set consisting of: One PE/N terminal (1x25 mm² and 1x16 mm² screw terminal points, 2x4 mm² and 12x2.5 mm² screwless terminals), mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling
· Six elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· One elastic cable entry Ø32 mm for cable diameter 0–28 mm
· Two stainless steel external fastenings
· Cover strip for closing off unused separation units

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Distribution box, 12 division units, with screwless terminal

PC

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 12 PC	Connector	Light grey	286x202x125	1	150.000	**2008852**

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and exterior mounting
VDE-tested to DIN EN 61439
Accessories:
· Terminal strip set consisting of: One PE/N terminal (1x25 mm² and 1x16 mm² screw terminal points, 2x4 mm² and 12x2.5 mm² screwless terminals), mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling
· Eight elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· One elastic cable entry Ø32 mm for cable diameter 0–28 mm
· Two stainless steel external fastenings
· Cover strip for closing off unused separation units

Distribution box, 3 division units, with screw terminal

PS

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 03 PS	Connector	Light grey	150x190x125	1	81.000	**2008800**

Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and protected exterior mounting
Accessories:
· Terminal strip set consisting of: One PE/N terminals with 4x 16 mm² screw terminal points, mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling and labelling of the connected consumers
· Two elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm

Distribution box, 5 division units, with screw terminal

PS

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 05 PS	Connector	Light grey	190x150x125	1	81.500	**2008804**

Surface-mounteddistribution box, with protective insulation for max. 5 division units. There are 5 break-out openings (4x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and protected exterior mounting
Accessories:
· Terminal strip set consisting of: One PE/N terminals with 4x 16 mm² screw terminal points, mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling and labelling of the connected consumers
· Four elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm

PS

IP 66 | IK 06 | M20 | M25 | M32 | M | 400 V | 650°

Distribution box, 9 division units, with screw terminal

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 09 PS	Connector	Light grey	240x191x125	1	110.000	**2008808**

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and protected exterior mounting
Accessories:
·Terminal strip set consisting of: Two PE/N terminals each with 4x 16 mm² screw terminal points, mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling and labelling of the connected consumers
· Six elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· One elastic cable entry Ø32 mm for cable diameter 0–28 mm

PS

IP 66 | IK 07 | M20 | M25 | M32 | M | 400 V | 650°

Distribution box, 12 division units, with screw terminal

Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 12 PS	Connector	Light grey	286x202x125	1	141.000	**2008812**

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

Suitable for interior and protected exterior mounting
Accessories:
·Terminal strip set consisting of: Three PE/N terminals each with 4x 16 mm² screw terminal points, mini hat profile rail, mounting instructions and fastening set
· Self-adhesive pictograms for installation labelling and labelling of the connected consumers
· Eight elastic cable entries Ø20 mm for cable diameters 0–17 mm
· One elastic cable entry Ø25 mm for cable diameter 0–22 mm
· One elastic cable entry Ø32 mm for cable diameter 0–28 mm

PS | PC

IP 66 | IK 07 | M20 | M25 | M | 400 V | UV RESISTANT | 850° | Flugsicherheit | VDE

Distribution box, 3 division units, empty

Type	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 03L PC	Light grey	150x190x125	1	78.000	**2008860**
SDB 03L PS	Light grey	150x190x125	1	69.000	**2008820**

Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PC small distributors are suitable for mounting for interior and exterior use.

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Always indicate the item number when ordering.

Distribution box, 5 division units, empty

PS PC IP 66 IK 06 M20 M25 M 400 V 650°

Type	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 05L PS	Light grey	190x150x125	1	69.500	**2008824**
SDB 05L PC	Light grey	190x150x125	1	78.500	**2008864**

Surface-mounteddistribution box, with protective insulation for max. 5 division units. There are 5 break-out openings (4x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS small distributors are suitable for mounting in interiors and in protected exteriors.

Distribution box, 9 division units, empty

PS PC IP 66 IK 06 M20 M25 M32 M 400 V 650°

Type	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 09L PS	Light grey	240x191x125	1	96.000	**2008828**
SDB 09L PC	Light grey	240x191x125	1	108.000	**2008868**

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS small distributors are suitable for mounting in interiors and in protected exteriors.

Distribution box, 12 division units, empty

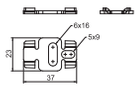
PS PC IP 66 IK 06 M20 M25 M32 M 400 V 650°

Type	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 12L PS	Light grey	286x202x125	1	120.000	**2008832**
SDB 12L PC	Light grey	286x202x125	1	134.000	**2008872**

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

The PS small distributors are suitable for mounting in interiors and in protected exteriors.

External fastening or connection



Type		Pack Piece	Weight kg/100 pc.	Item no.
AV-S		20	0.900	**2007990**

The convenient external fastening/connection means the cable boxes and distribution boxes of the S and SDB series can be fastened easily to a wall. Because they fasten outside the cable box, the possibility of voltage carry over is ruled out.
These metal connectors can also be used for lining up several boxes together.

Hat profile rails

The OBO hat profile/G support rails are machined according to DIN EN 60715. According to the standard IEC 60947-7-2, steel support rails are approved as a protective conductor busbar (PE function), however not as a PEN function!

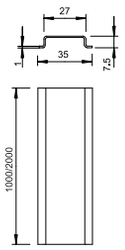
Perforated

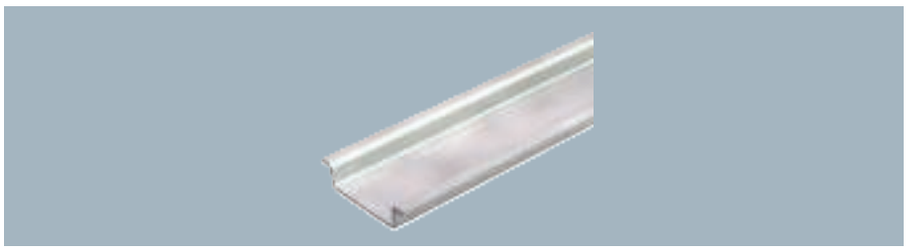
Unperforated

St BK

35

Hat profile rail, unperforated





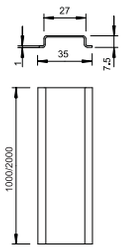
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).

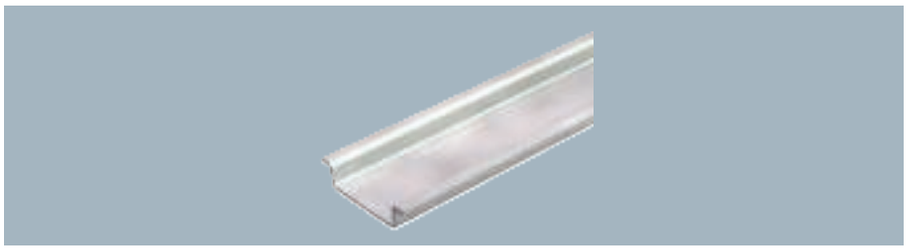
Type	Version	Material thickness mm	Length mm	Bundle m	Weight kg/100 m	Item no.
2069 2M BK	Unperforated	1	2000	50	36.040	**1115618**

St FS

35

Hat profile rail, unperforated





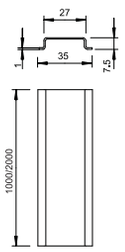
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).

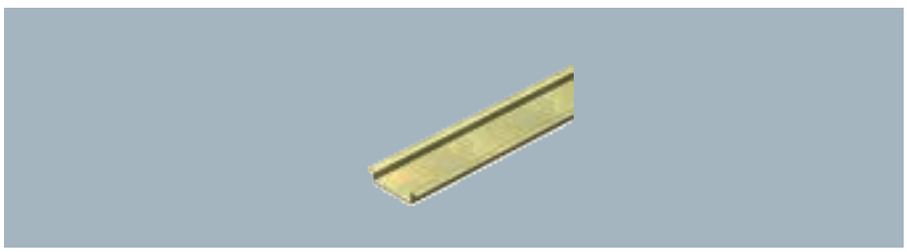
Type	Version	Material thickness mm	Length mm	Bundle m	Weight kg/100 m	Item no.
2069 1M FS	Unperforated	1	1000	25	36.020	**1115677**
2069 2M FS	Unperforated	1	2000	50	36.033	**1115626**

St GTP

35

Hat profile rail, unperforated





Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).

Type	Version	Material thickness mm	Length mm	Bundle m	Weight kg/100 m	Item no.
2069 1M GTP	Unperforated	1	1000	25	36.020	**1115685**
2069 2M GTP	Unperforated	1	2000	50	36.040	**1115650**

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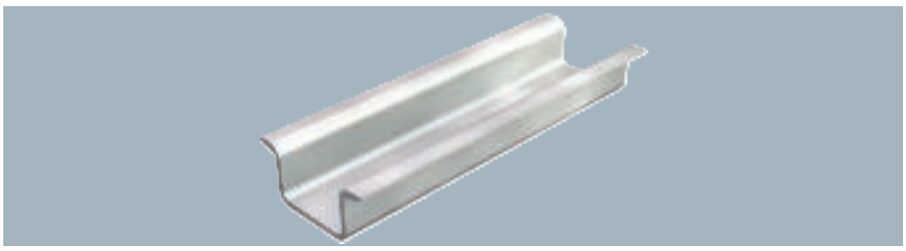
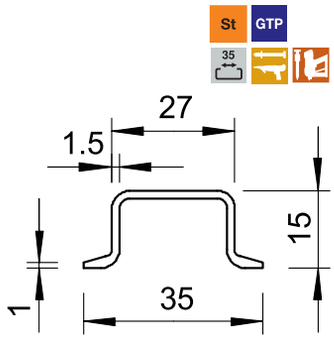
Always indicate the item number when ordering.

Hat profile rail, unperforated

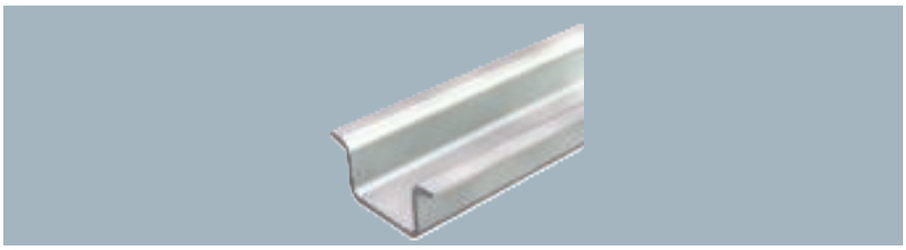


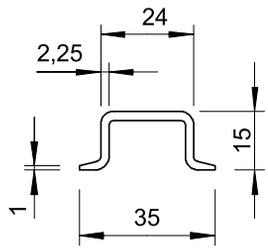


Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 15 1.5 GTP	Unperforated	1.5	2000	20		66.000	**1115421**

Hat profile rail 35 x 15 mm similar to DIN EN 60715 (formerly DIN EN 50022), but with material thickness 1.5 mm.

Hat profile rail, unperforated

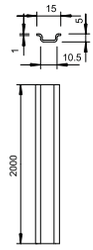




Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 15 2.2 GTP	Unperforated	2.25	2000	20		97.000	**1115553**

Hat profile rail 35 x 15 mm to DIN EN 60715 (formerly DIN EN 50022).

Hat profile rail unperforated



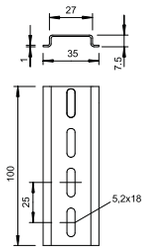
Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
46277 GTP	Unperforated	1	2000	50		12.400	**1115332**
46277 GTPL	Perforated	1	2000	50		12.400	**1115359**

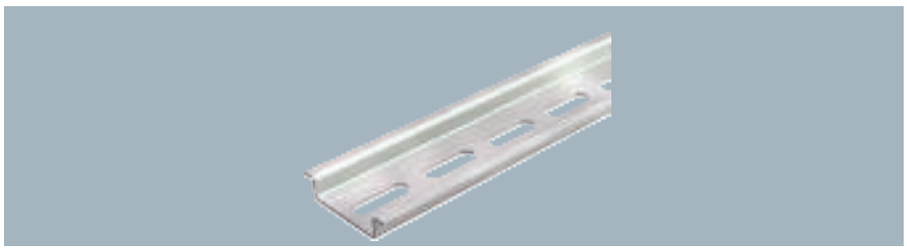
Hat profile rail 15 x 5 mm to DIN EN 60715 (formerly DIN EN 50045).

St GTP

35

Hat profile rail, perforated





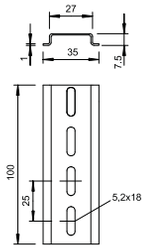
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).

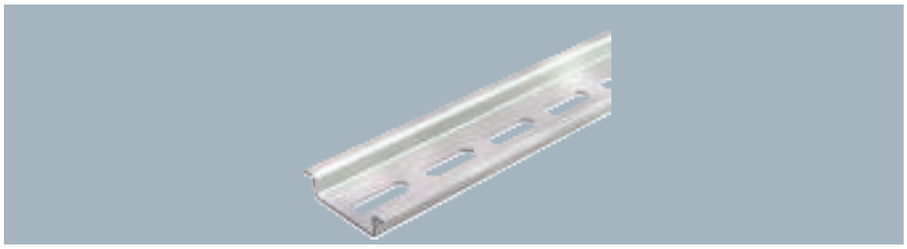
Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 2M GTPL	Perforated	1	2000	50		33.280	**1115669**

St FS

35

Hat profile rail, perforated





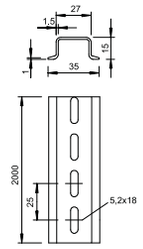
Hat profile rail 35 x 7.5 mm to DIN EN 60715 (formerly DIN EN 50022).

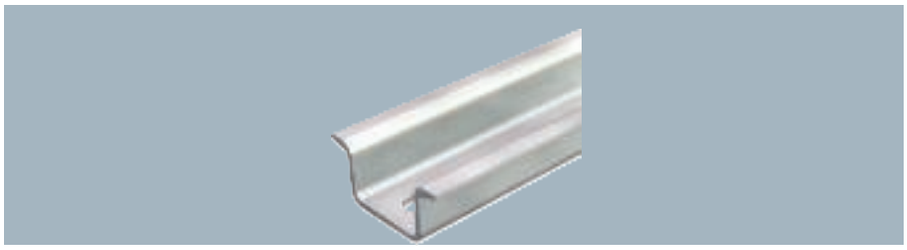
Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 L 2M FS	Perforated	1	2000	50		33.280	**1115804**

St FS GTP

35

Hat profile rail, perforated





Hat profile rail 35 x 15 mm similar to DIN EN 60715 (formerly DIN EN 50022), but with material thickness 1.5 mm.

Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 15 1.5 FS	Perforated	1.5	2000	20		66.000	**1115460**
2069 15 1.5 GTPL	Perforated	1.5	2000	20		66.000	**1115456**

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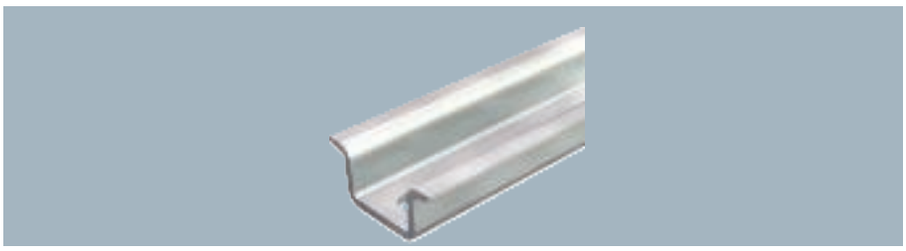
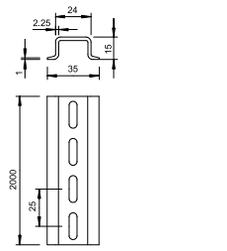
Always indicate the item number when ordering.

Hat profile rail, perforated

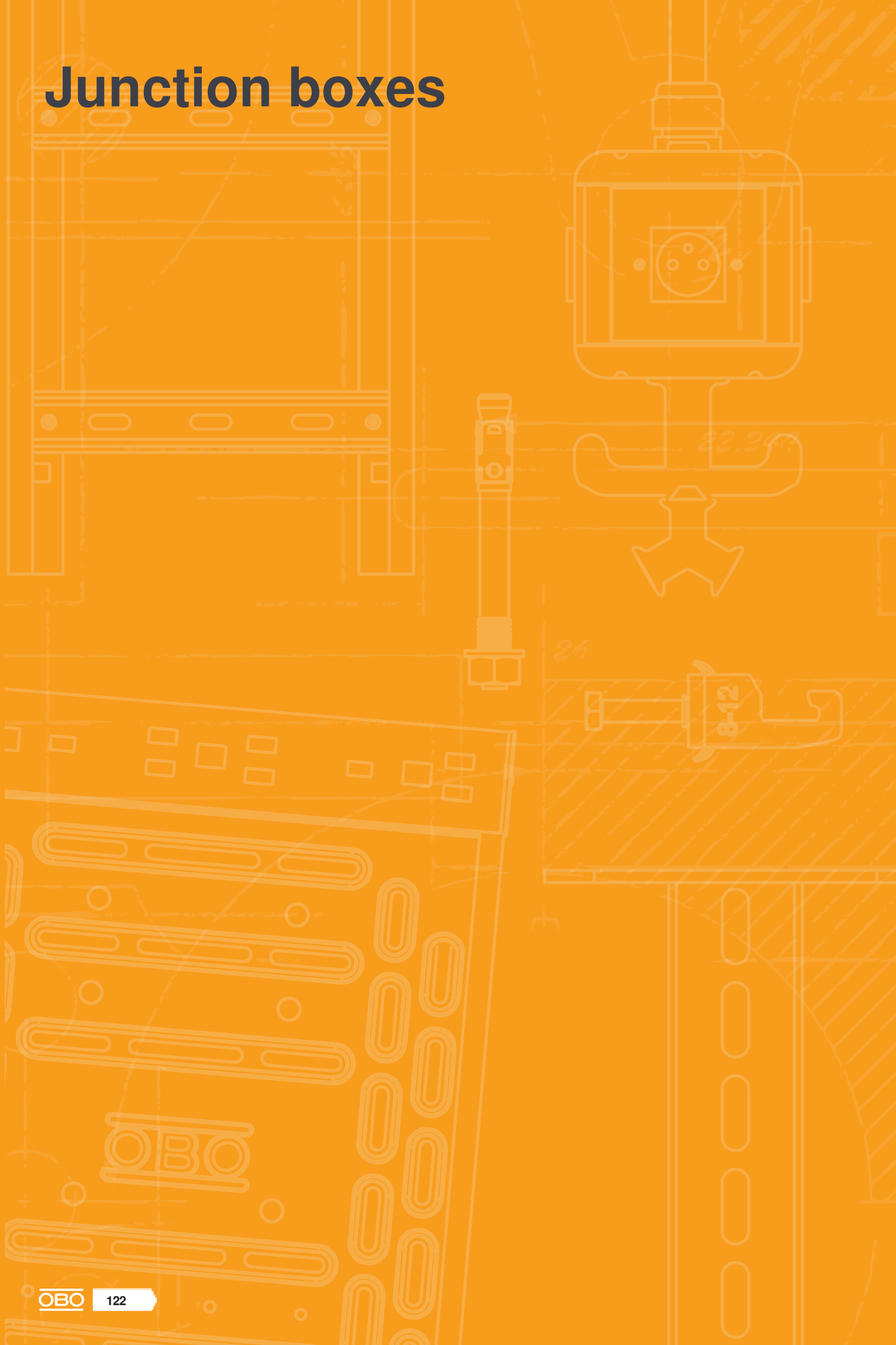




Type	Version	Material thickness mm	Length mm	Bundle m		Weight kg/100 m	Item no.
2069 15 2.2 GTPL	Perforated	2.25	2000	20		97.000	**1115596**

Hat profile rail 35 x 15 mm to DIN EN 60715 (formerly DIN EN 50022).

Junction boxes



Junction boxes

Junction boxes, A series 124

T series junction boxes 130

X series junction boxes 148

Junction boxes Firebox 156

Mx series junction boxes 164

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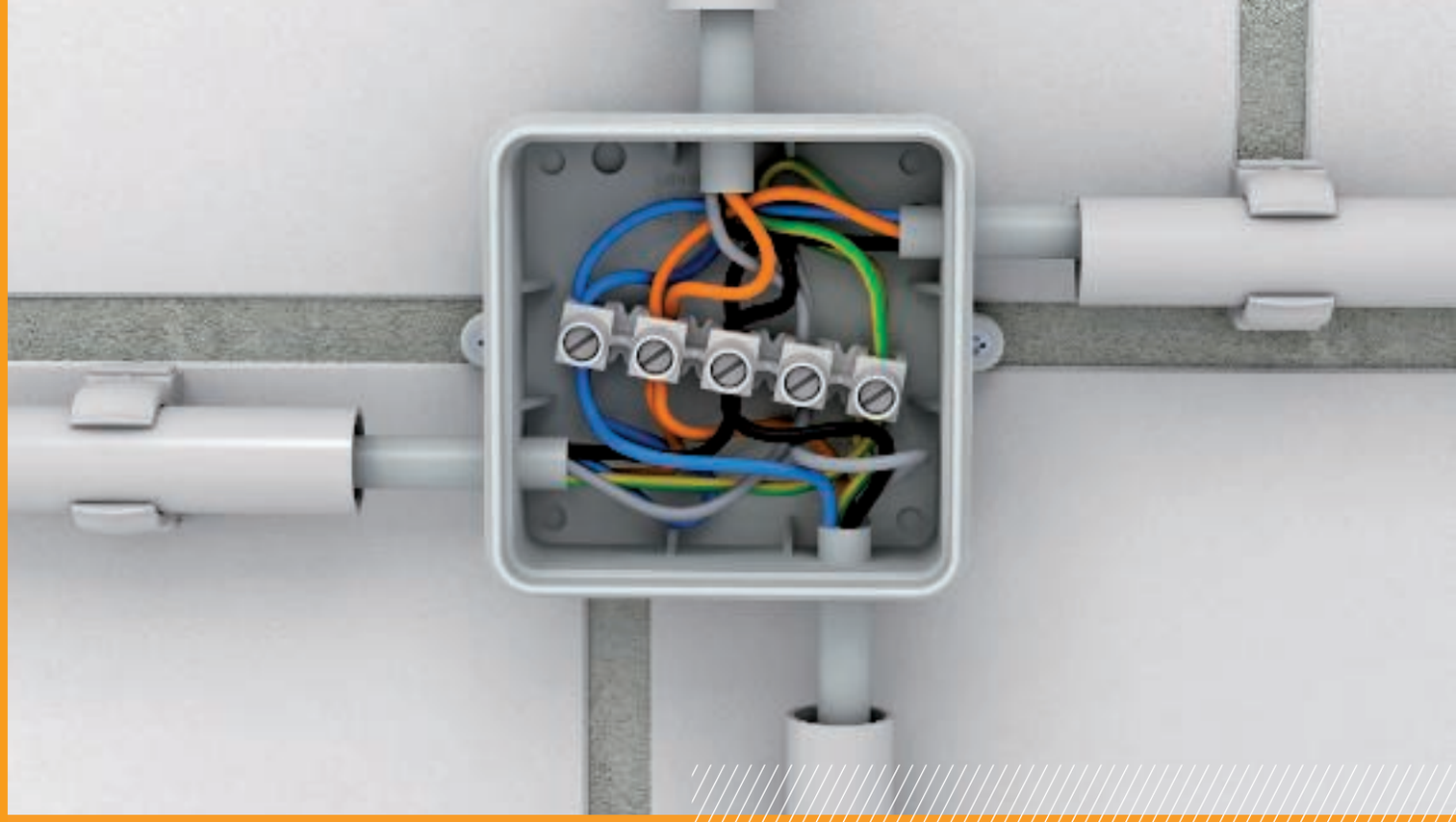


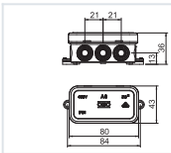
Junction boxes A series

Classic and still youthful: The well-known junction boxes of the A series have had a makeover. Halogen-free thermoplastic is just as much of a hallmark of the A series as a tight-fitting clamshell and pre-marked cable entries. A protection rating of IP55 and practical external fastenings round off the profile of the classic item.

- Halogen-free thermoplastic
- Sturdy external fastenings
- Quick mounting with snug-fitting clamshell
- Suitable for wet rooms, IP55

Pre-marked cable entry
The pre-marked cable entries can be opened with a knife or using the cut-out tool supplied.

Junction box A 6

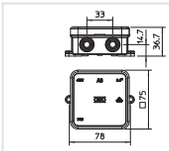


Type	A 6	A 6 HF RW
Colour	Light grey	Pure white
Dimension LxWxH mm	80x43x36	80x43x36
Clear internal dimensions mm	69x32x30	69x32x30
Pack Piece	10	10
Weight kg/100 pc.	2.560	2.560
Item no.	**2000001**	**2000005**

PE Polyethylene

Protection rating IP55, rated voltage 400 V, nominal cross-section 2.5 ÷ mm², 6 entries for cable diameter 5–14 mm
4 entries for cable diameter 5–9 mm.
Clamshell.
Dimensions: 80 x 43 x 36 mm
Clear internal dimensions: 69 x 32 x 30 mm
1 cut-out tool for every 10 boxes

Junction box A 8



Type	A 8	A 8 HF RW
Accessories	without terminal strip	without terminal strip
Colour	Light grey	Pure white
Dimension LxWxH mm	75x75x36,7	75x75x36,7
Clear internal dimensions mm	65x65x32	65x65x32
Pack Piece	10	10
Weight kg/100 pc.	3.649	5.140
Item no.	**2000016**	**2000075**

PE Polyethylene

Protection rating IP55, rated voltage 400 V, nominal cross-section 2.5 ÷ mm², 7 entries for cable diameters of 5–14 mm.
Clamshell.
Dimensions: 75 x 75 x 36.2 mm
Clear internal dimensions: 65 x 65 x 32 mm
1 cut-out tool for every 10 boxes

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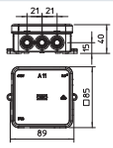
Junction box A 11

IP 55 | 2,5 mm² | 400 V | 12 | 650° | IK 07



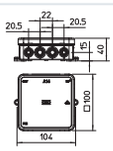
Type	A 11	A 11 HF RW
Accessories	without terminal strip	without terminal strip
Colour	Light grey	Pure white
Dimension LxWxH mm	85x85x40	85x85x40
Clear internal dimensions mm	75x75x35	75x75x35
Pack Piece	10	10
Weight kg/100 pc.	6.200	6.200
Item no.	**2000342**	**2000180**

PE Polyethylene

Protection rating IP55, rated voltage 400 V, nominal cross-section 2.5 ÷ mm², 12 entries for cable diameter 5–14 mm.
Clamshell.
Dimensions: 85 x 85 x 40 mm
Clear internal dimensions: 75 x 75 x 35 mm
1 cut-out tool for every 10 boxes

Junction box A 14

IP 55 | 2,5 mm² | 400 V | 16 | 650° | IK 07

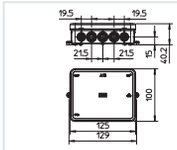


Type	A 14	A 14 HF RW
Accessories	without terminal strip	without terminal strip
Colour	Light grey	Pure white
Dimension LxWxH mm	100x100x40	100x100x40
Clear internal dimensions mm	90x90x35	90x90x35
Pack Piece	10	10
Weight kg/100 pc.	5.855	5.855
Item no.	**2000378**	**2000390**

PE Polyethylene

Protection rating IP55, rated voltage 400 V, nominal cross-section 2.5 ÷ mm², 8 entries for cable diameter 5–14 mm
8 entries for cable diameter 5–11 mm.
Clamshell.
Dimensions: 100 x 100 x 40 mm
Clear internal dimensions: 90 x 90 x 35 mm
1 cut-out tool for every 10 boxes

Junction box A 18



Type	A 18	A 18 HF RW
Accessories	without terminal strip	without terminal strip
Colour	Light grey	Pure white
Dimension LxWxH mm	125x100x40	125x100x40
Clear internal dimensions mm	115x90x35	115x90x35
Pack Piece	10	10
Weight kg/100 pc.	6.957	6.957
Item no.	**2000410**	**2000422**

PE Polyethylene

Protection rating IP55, rated voltage 400 V, nominal cross-section 2.5 ÷ mm², 10 entries for cable diameter 5–14 mm
8 entries for cable diameter 5–11 mm.
Clamshell.
Dimensions: 125 x 100 x 40 mm
Clear internal dimensions: 115 x 90 x 35 mm
1 cut-out tool for every 10 boxes

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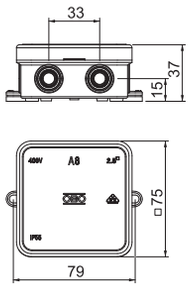
Junction box A 8 with terminal strip



Type	Accessories	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
A 8 5	1 terminal strip	Light grey	75x75x36,7	65x65x32	10	6.500	**2000024**

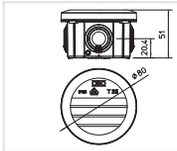
Protection rating IP55, nominal voltage 690 V, nominal cross-section 2,5 mm², 7 entries for cable diameter 5–14 mm.
Clamshell.
Dimensions: 75 x 75 x 36,2 mm
Clear internal dimensions: 65x65x32 mm
1 cut-out tool for every 10 boxes

Junction boxes T series

Intelligence is the natural characteristic of the T series: Our developers have used high-quality materials, sensible wall thicknesses and a stable construction to ensure that the T series can stand up to even the hardest conditions. All the boxes are made of halogen-free polypropylene and do not contain fluorine, chlorine or bromine.

- Wide range: Seven sizes, six variants
- High impermeability of IP 66
- High impact resistance of IK 08
- White variants with UV protection for outdoor use
- Flame-resistant: Standard up to 650 °C, special models up to 960 °C
- Halogen-free: Without chloride, fluoride or bromine

Junction box T 25, plug-in seal

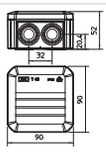


Type	**T 25**
Colour	Light grey
Entries	4 x M25
Dimension mm	Ø80x51
Clear internal dimensions mm	Ø63x45
Pack Piece	5
Weight kg/100 pc.	4.190
Item no.	**2007029**

PP Polypropylene

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Round design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside. With fixed clamping cover. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T 40, plug-in seal



Type	**T 40**
Colour	Light grey
Entries	7 x M25
Dimension LxWxH mm	90x90x52
Clear internal dimensions mm	77x77x46
Pack Piece	5
Weight kg/100 pc.	6.700
Item no.	**2007045**

PP Polypropylene

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside. With fixed clamping cover. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

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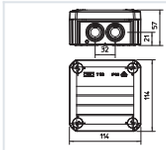
Junction box T 60, plug-in seal

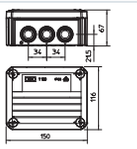


Type	T 60
Colour	Light grey
Entries	7 x M25
Dimension LxWxH mm	114x114x57
Clear internal dimensions mm	100x100x48
Pack Piece	5
Weight kg/100 pc.	12.300
Item no.	**2007061**

PP Polypropylene

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T 100, plug-in seal

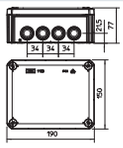


Type	T 100	T 100 M25-M32
Colour	Light grey	Light grey
Entries	10 x M25	8 x M25 2 x M32
Dimension LxWxH mm	150x116x67	150x116x67
Clear internal dimensions mm	136x102x57	136x102x57
Pack Piece	1	1
Weight kg/100 pc.	16.270	16.300
Item no.	**2007077**	**2007081**

PP Polypropylene

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T 160, plug-in seal

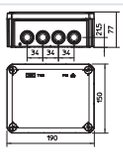


Type	**T 160**
Colour	Light grey
Entries	7 x M25 5 x M32
Dimension LxWxH mm	190x150x77
Clear internal dimensions mm	176x135x67
Pack Piece	1
Weight kg/100 pc.	30.000
Item no.	**2007093**

PP/GF Polypropylene, fibre-glass reinforced

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

Junction box T 160, with 10xM32 entries



Type	**T 160 M32**
Colour	Light grey
Entries	10 x M32
Dimension LxWxH mm	190x150x77
Clear internal dimensions mm	176x135x67
Pack Piece	1
Weight kg/100 pc.	30.000
Item no.	**2007097**

PP/GF Polypropylene, fibre-glass reinforced

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

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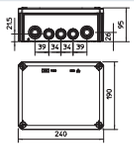
Junction box T 250, plug-in seal

IP 66 | M25 | M32 | 25 mm² | 16 | 500 V | IK 05 | Halogen-free | 650° | VDE | KEMA KEUR



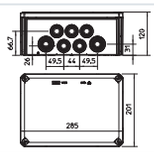
Type	**T 250**
Colour	Light grey
Entries	9 x M25 7 x M32
Dimension LxWxH mm	240x190x95
Clear internal dimensions mm	225x173x86
Pack Piece	1
Weight kg/100 pc.	50.000
Item no.	**2007109**

PP/GF Polypropylene, fibre-glass reinforced

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

Junction box T 350, plug-in seal

IP 66 | M32 | M40 | 35 mm² | 24 | 500 V | IK 05 | Halogen-free | 650° | VDE | KEMA KEUR



Type	**T 350**
Colour	Light grey
Entries	16 x M32 8 x M40
Dimension LxWxH mm	285x201x120
Clear internal dimensions mm	267x182x110
Pack Piece	1
Weight kg/100 pc.	63.000
Item no.	**2007125**

PP/GF Polypropylene, fibre-glass reinforced

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

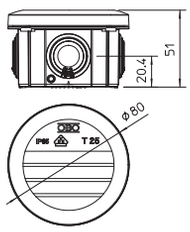
PP

CE IP 65 M25 2,5 mm² 4 500 V IK 07 Flame Stop 650° VDE KEMA KEUR

Junction box T 25, plug-in seal, terminal strip

Type	Colour	Entries	Dimension mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 25 KL	Light grey	4 x M25	Ø80x51	Ø63x45	5	6.400	2007430

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Round design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside. With fixed clamping cover. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.



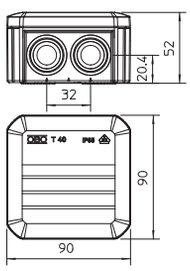
PP

CE IP 55 M25 4 mm² 7 500 V IK 07 Flame Stop 650° VDE KEMA KEUR

Junction box T 40, plug-in seal, terminal strip

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 40 KL	Light grey	7 x M25	90x90x52	77x77x46	5	8.900	2007432

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside. With fixed clamping cover. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.



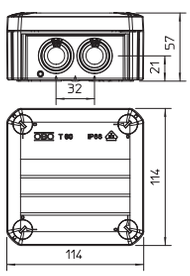
PP

CE IP 66 M25 6 mm² 7 500 V IK 07 Flame Stop 650° VDE KEMA KEUR

Junction box T 60, plug-in seal, terminal strip

Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 60 KL	7 x M25	Light grey	114x114x57	100x100x48	5	16.700	2007434

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.



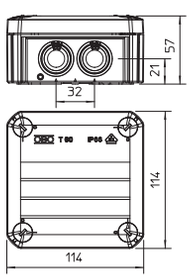
PP

CE M25 6 mm² 7 500 V IK 08 UV RESISTANT IP 68 Flame Stop 650° VDE KEMA KEUR

Junction box T 60, plug-in seal, terminal strip, cast resin

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 60 hars	Light grey	7 x M25	114x114x57	100x100x48	1	64.000	2010007

Set consisting of a T 60 junction box with terminal strip, casting resin and a pair of disposable gloves. 2-component casting resin in a mixing bag to protect the electrical installation against moisture, in accordance with the IP68 protection class, and mechanical loads.



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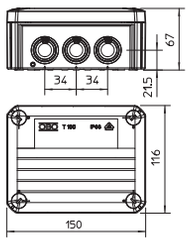
Junction box T 100, plug-in seal, terminal strip

PP · IP 66 · M25 · 10 mm² · 10 · 500 V · IK 07 · Flame retardant · halogen-free · 650° · VDE · KEMA KEUR

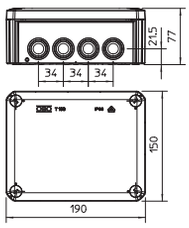


Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 100 KL	Light grey	10 x M25	150x116x67	136x102x57	1	40.000	**2007436**

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T 160, plug-in seal

PP/GF · IP 66 · M25 · M32 · 16 mm² · 12 · 500 V · IK 05 · Flame retardant · halogen-free · 650° · VDE · KEMA KEUR

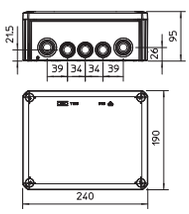


Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 160 KL	Light grey	7 x M25 5 x M32	190x150x77	176x135x67	1	64.200	**2007440**

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

Junction box T 250, plug-in seal, terminal strip

PP/GF · IP 66 · M25 · M32 · 25 mm² · 16 · 500 V · IK 05 · Flame retardant · halogen-free · 650° · VDE · KEMA KEUR



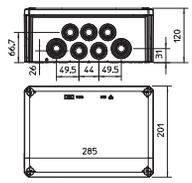
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 250 KL	Light grey	9 x M25 7 x M32	240x190x95	225x173x86	1	79.500	**2007444**

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

Junction box T 350, plug-in seal, terminal strip

Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 350 KL	Light grey	16 x M32 8 x M40	285x201x120	267x182x110		1	95.700	**2007448**

Junction box with terminal strip for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



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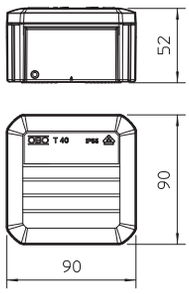
Junction box T 40, closed

PP

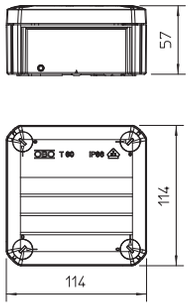


Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 40 OE	Light grey	90x90x52	77x77x46		5	6.300	**2007223**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. With fixed clamping cover. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T 60, closed

PP

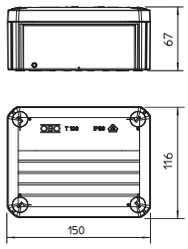


Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 60 OE	Light grey	114x114x57	100x100x46		5	12.000	**2007239**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK08 according to DIN EN 50102.

Junction box T 100, closed

PP



Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 100 OE	Light grey	150x116x67	136x102x57		1	16.200	**2007255**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

PP/GF

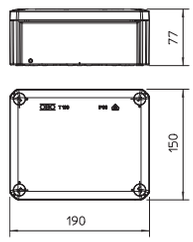
CE IP 66 | 16 mm² | 500 V | IK 05 | Flame retardant halogen-free | 650° | VDE

KEMA KEUR

Junction box T 160, closed

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 160 OE	Light grey	190x150x77	176x135x67		1	30.000	**2007271**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK04 according to DIN EN 50102.



PP/GF

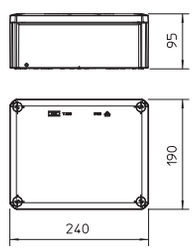
CE IP 66 | 25 mm² | 500 V | IK 05 | Flame retardant halogen-free | 650° | VDE

KEMA KEUR

Junction box T 250, closed

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 250 OE	Light grey	240x190x95	225x173x86		1	48.300	**2007287**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



PP/GF

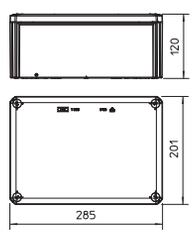
CE IP 66 | 35 mm² | 500 V | IK 05 | Flame retardant halogen-free | 650° | VDE

KEMA KEUR

Junction box T 350, closed

Type	Colour	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 350 OE	Light grey	285x201x120	267x182x110		1	58.800	**2007303**

Closed junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. Cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



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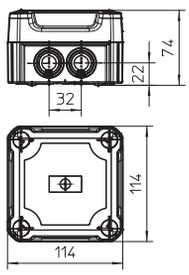
Junction box T60, plug-in seal, elevated cover

PP/PC · IP 66 · M25 · 7 · 500 V · 6 mm² · IK 07 · 650°

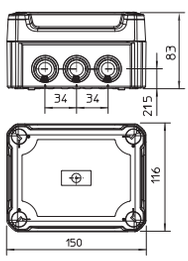


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 60 HD LGR	7xM25	114x114x74	100x100x65		1	17.180	**2007710**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T100, plug-in seal, elevated cover

PP/PC · IP 66 · M25 · 10 · 500 V · 10 mm² · IK 07 · 650°

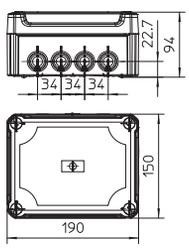


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 100 HD LGR	10xM25	150x116x83	136x102x74		1	22.550	**2007712**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T160, plug-in seal, elevated cover

PP/PC · IP 66 · M25 · M32 · 16 mm² · 12 · 500 V · IK 05 · 650°



Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 160 HD LGR	7xM25 5xM32	190x150x94	176x135x84		1	34.180	**2007714**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

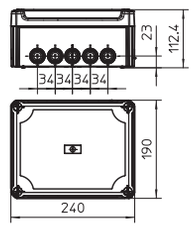
PP/PC

IP 66 | M25 | M32 | 16 | 500 V | 25 mm² | IK 05 | 650°

Junction box T250, plug-in seal, elevated cover

Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 250 HD LGR	9xM25 7xM32	240x190x112	225x173x103		1	52.010	**2007716**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



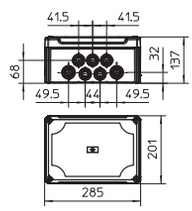
PP/PC

IP 66 | M32 | M40 | 24 | 500 V | 35 mm² | IK 05 | 650°

Junction box T350, plug-in seal, elevated cover

Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 350 HD LGR	16xM32 8xM40	285x201x137	267x182x127		1	72.760	**2007718**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



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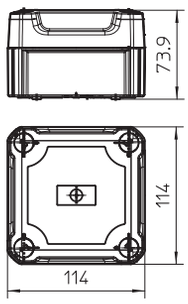
Junction box T60, closed, elevated cover

PP/PC

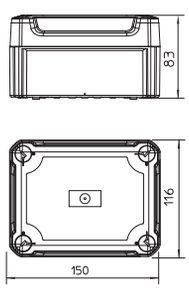


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 60 OE HD LGR	None	114x114x74	100x100x63	1	16.600	**2007730**

Closed junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T100, closed, elevated cover

PP/PC

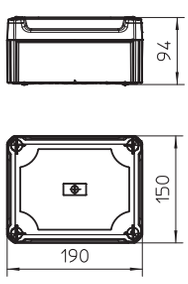


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 100 OE HD LGR	None	150x116x83	136x102x74	1	23.650	**2007732**

Closed junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T160, closed, elevated cover

PP/PC

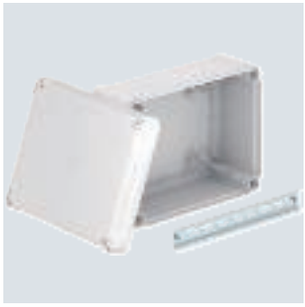


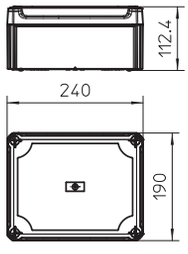
Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 160 OE HD LGR	None	190x150x94	176x135x84	1	33.920	**2007734**

Closed junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK04 according to DIN EN 50102.

Junction box T250, closed, elevated cover

PP/PC





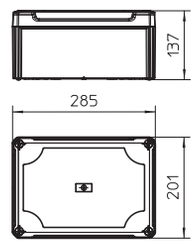
Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 250 OE HD LGR	None	240x190x112	225x173x102	1	50.570	**2007736**

Closed junction box for the connection of cables in indoor and protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option of fastening inside and to mount via the corner domes. High cover with quick lock, sealable. Made from halogen-free, UV-stabilised materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650°C. Impact resistance IK05 according to DIN EN 50102.

PP/PC

Junction box T350, closed, elevated cover

Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack Piece	Weight kg/100 pc.	Item no.
T 350 OE HD LGR	None	285x201x137	267x182x127	1	68.660	**2007738**



Closed junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design without entries. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

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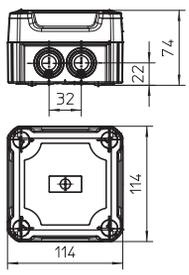
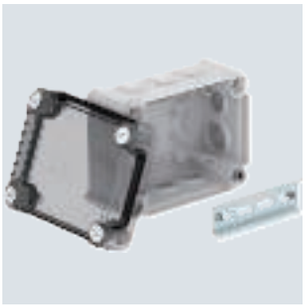
Junction box T60, with plug-in seal, transparent elevated cover

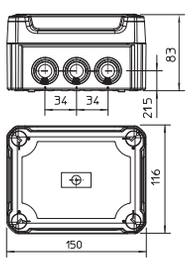


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 60 HD TR	7xM25	114x114x74	100x100x65		1	17.180	**2007750**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Square design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T100, with plug-in seal, transparent elevated cover

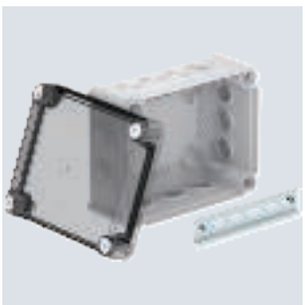


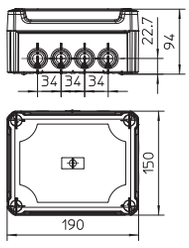


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 100 HD TR	10xM25	150x116x83	136x102x74		1	22.550	**2007752**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK07 according to DIN EN 50102.

Junction box T160, with plug-in seal, transparent elevated cover





Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 160 HD TR	7xM25 5xM32	190x150x94	176x135x84		1	34.180	**2007754**

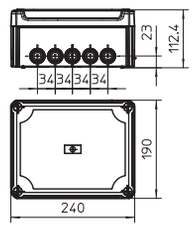
Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting and on mounting panels. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

PP/PC

Junction box T250, with plug-in seal, transparent elevated cover

Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 250 HD TR	9xM25 7xM32	240x190x112	225x173x103		1	52.010	**2007756**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals to the sides and knock-out entries in the bottom. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.

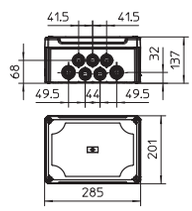


PP/PC

Junction box T350, with plug-in seal, transparent elevated cover

Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm		Pack Piece	Weight kg/100 pc.	Item no.
T 350 HD TR	16xM32 8xM40	285x201x137	267x182x127		1	72.760	**2007758**

Junction box for the connection of cables and lines indoors and in protected outdoor areas. Rectangular design with plug-in seals. Suitable for wall and ceiling mounting, on mounting panels and threads in the floor. With the option to fasten inside and to mount via the corner domes. High, transparent cover with quick lock, sealable. Made from halogen-free and UV-stabilized materials.
With hat profile rail.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK05 according to DIN EN 50102.



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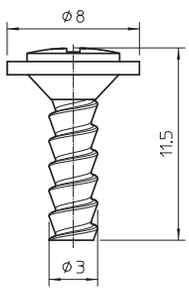
Fastening pin for mounting plates

St G



Type		Pack Piece	Weight kg/100 pc.	Item no.
T-S MST		100	0.090	**2007831**

Metal fastening pin for fastening the T series onto mounting plates or other thin-walled supporting structures. Mounted by simply pressing the bolt into the fastening holes in the T series. Easy removal with a screw thread.

X-TREME

The X series of the junction boxes

Robust and impact-resistant

For outdoor applications and the toughest conditions

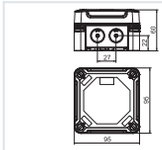
Simple and flexible installation

Tested according to DIN EN 60670 Part 1 and 22

With the new X series, OBO Bettermann can offer a range of junction boxes and empty housings that can withstand even the toughest impacts. The use of special plastics based on high-quality polycarbonate allows the X series to meet the requirements for the highest level of impact resistance, achieving the protection rating of IK09.

IK 09 T

Junction box X 01



Type	X01 LGR	X01 LGR-TR	X01 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	7 x Ø20	7 x Ø20	7 x Ø20
Dimension LxWxH mm	95x95x60	95x95x60	95x95x60
Clear internal dimensions mm	85x85x45	85x85x45	85x85x45
Pack Piece	1	1	1
Weight kg/100 pc.	16.000	16.000	16.000
Item no.	**2005000**	**2005050**	**2005110**

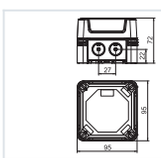
PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Junction box X 02



Type	X02 LGR	X02 LGR-TR	X02 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	7 x Ø20	7 x Ø20	7 x Ø20
Dimension LxWxH mm	95x95x72	95x95x72	95x95x72
Clear internal dimensions mm	85x85x57	85x85x57	85x85x57
Pack Piece	1	1	1
Weight kg/100 pc.	17.800	17.800	17.800
Item no.	**2005004**	**2005054**	**2005114**

PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

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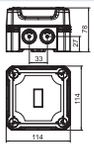
Junction box X 04



Type	X04 LGR	X04 LGR-TR	X04 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	7 x Ø20/25	7 x Ø20/25	7 x Ø20/25
Dimension LxWxH mm	114x114x78	114x114x78	114x114x78
Clear internal dimensions mm	102x102x60	102x102x60	102x102x60
Pack Piece	1	1	1
Weight kg/100 pc.	26.600	26.600	26.600
Item no.	**2005008**	**2005058**	**2005118**

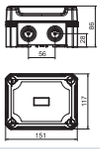
PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Junction box X 06



Type	X06 LGR	X06 LGR-TR	X06 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	4 x Ø20/25, 4 x Ø20/25/32	4 x Ø20/25, 4 x Ø20/25/32	4 x Ø20/25, 4 x Ø20/25/32
Dimension LxWxH mm	151x117x87	151x117x87	151x117x87
Clear internal dimensions mm	137x105x68	137x105x68	137x105x68
Pack Piece	1	1	1
Weight kg/100 pc.	33.500	33.500	33.500
Item no.	**2005012**	**2005062**	**2005122**

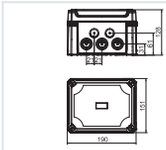
PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Rectangular design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Junction box X 10



Type	X10 LGR	X10 LGR-TR	X10 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	10 x Ø20/25/32	10 x Ø20/25/32	10 x Ø20/25/32
Dimension LxWxH mm	191x151x126	191x151x126	191x151x126
Clear internal dimensions mm	177x137x110	177x137x110	177x137x110
Pack Piece	1	1	1
Weight kg/100 pc.	59.200	59.200	59.200
Item no.	**2005016**	**2005066**	**2005126**

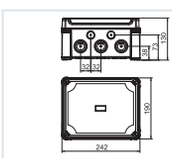
PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Rectangular design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Junction box X 16



Type	X16 LGR	X16 LGR-TR	X16 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	10 x Ø25/32/40	10 x Ø25/32/40	10 x Ø25/32/40
Dimension LxWxH mm	241x191x126	241x191x126	241x191x126
Clear internal dimensions mm	227x177x110	227x177x110	227x177x110
Pack Piece	1	1	1
Weight kg/100 pc.	79.300	79.300	79.300
Item no.	**2005020**	**2005070**	**2005130**

PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Rectangular design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials. Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

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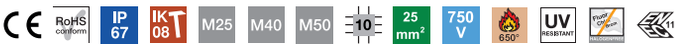
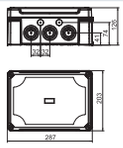
Junction box X 25





Type	X25 LGR	X25 LGR-TR	X25 SW
Colour	Light grey	Grey/transparent	Graphite black
Entries	10 x Ø25/40/50	10 x Ø25/40/50	10 x Ø25/40/50
Dimension LxWxH mm	286x202x126	286x202x126	286x202x126
Clear internal dimensions mm	271x187x110	271x187x110	271x187x110
Pack Piece	1	1	1
Weight kg/100 pc.	96.500	96.500	96.500
Item no.	**2005024**	**2005074**	**2005134**

PC Polycarbonate

Junction box for the connection of cables and lines indoors and in outdoor areas. Rectangular design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK08. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK08 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

PC

Junction box X 01 with cable gland

Type	Colour	Entries	Pack Piece	Weight kg/100 pc.	Item no.
X01 G M20 LGR	Light grey	7 x Ø20	1	19.000	**2005030**

Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials. Including 3 cable glands V-TEC M20 and 3 locknuts.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

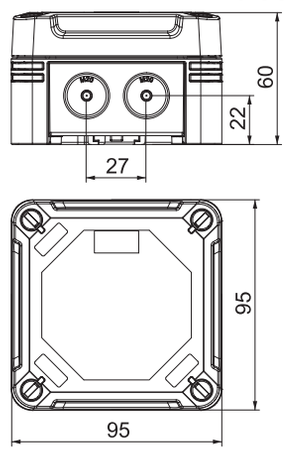
The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

In addition, the type X01 G M20 LGR also includes three V-TEC cable glands and three locknuts.

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Type	Dimension LxWxH mm	Clear internal dimensions mm
X01 G M20 LGR	95x95x60	85x85x45

Dimensions



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Junction box X 02 with cable gland

Type	Colour	Entries		Pack Piece	Weight kg/100 pc.	Item no.
X02 G M20 LGR	Light grey	7 x Ø20		1	21.500	**2005032**

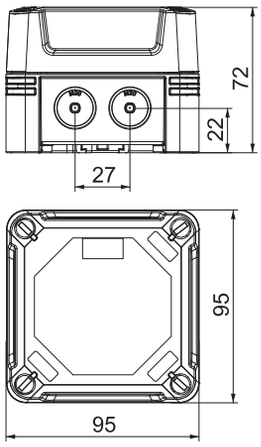
Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials. Including 3 cable glands V-TEC M20 and 3 locknuts.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

In addition, the type X02 G M20 LGR also includes three V-TEC cable glands and three locknuts.

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Dimensions



Type	Dimension LxWxH mm	Clear internal dimensions mm
X02 G M20 LGR	95x95x72	85x85x57

PC

Junction box X 04 with cable gland

Type	Colour	Entries	Pack Piece	Weight kg/100 pc.	Item no.
X04 G M20 LGR	Light grey	7 x Ø20/25	1	31.400	**2005034**

Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogen-free and UV-resistant materials. Including 3 cable glands V-TEC M20 and 3 locknuts.
Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.

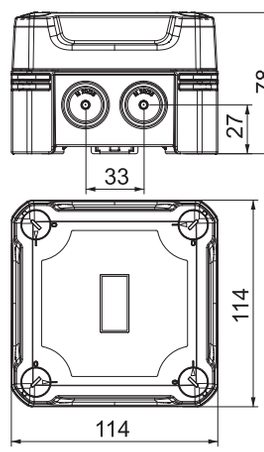
The junction box fulfils the protection type test requirements to IP 67 according to DIN EN 60529, VDE0470-1:2014 (EN 60529/AC:2016).

In addition, the type X04 G M20 LGR also includes three V-TEC cable glands and three locknuts.

The junction box is tested according to DIN EN 60670-1, VDE 0606-1:2014 (EN 60670-1:2005 + Cor.:2007 + Cor.:2010 + A1:2013) and DIN EN 60670-22, VDE 0606-22:2007 (EN 60670-22:2006).

Type	Dimension LxWxH mm	Clear internal dimensions mm
X04 G M20 LGR	114x114x78	102x102x60

Dimensions



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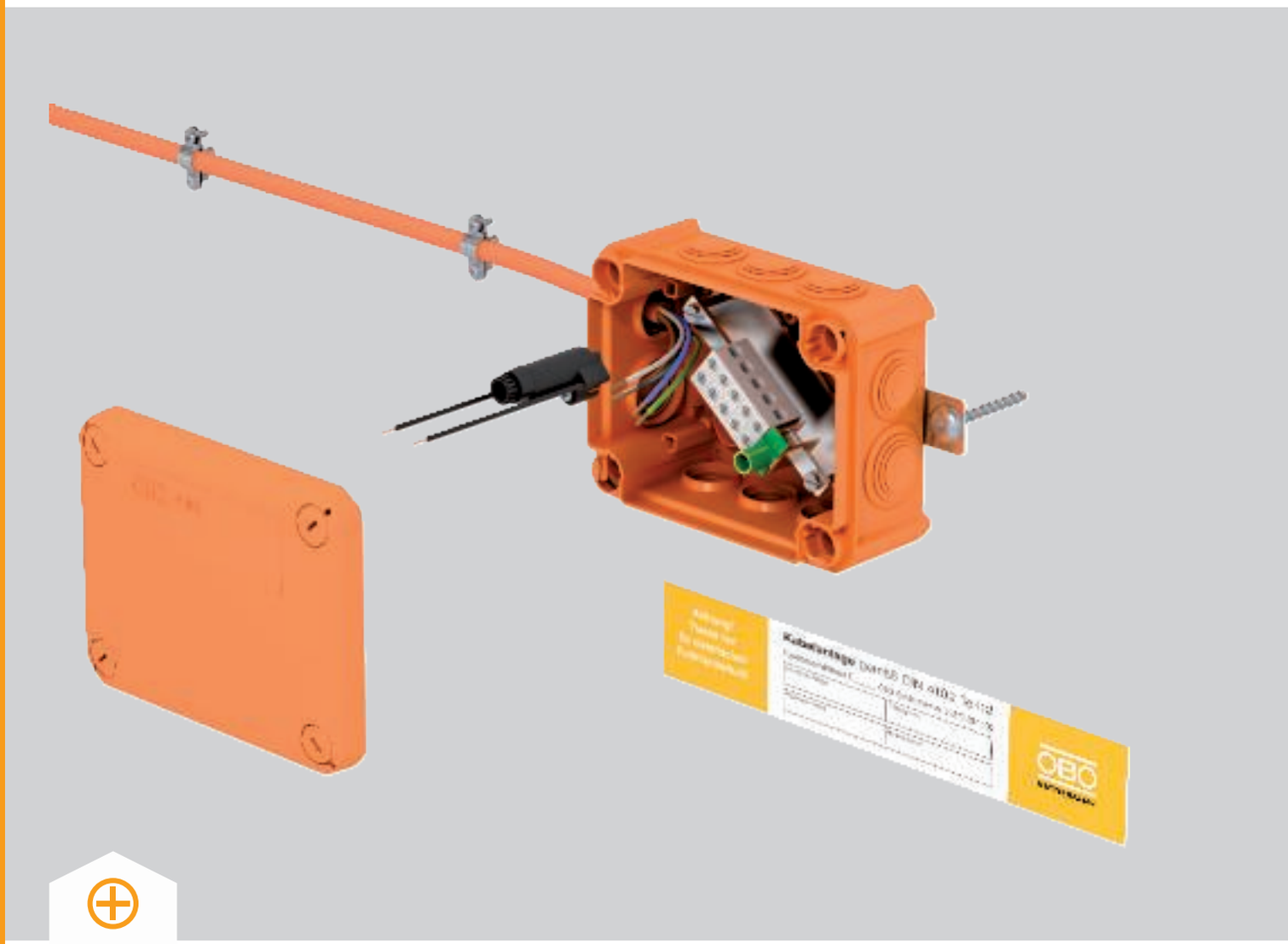
Junction box, FireBox
System description



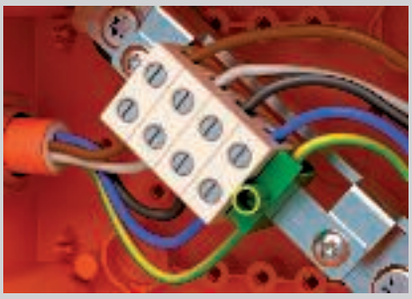
Junction boxes of the FireBox series are available for connecting and branching safety cables. These are equipped with a high-temperature-resistant connection unit with ceramic terminals and offer terminal areas of 0.5 mm² to 16 mm² of copper cross-section. The T series FireBoxes possess all the benefits of thermoplastic cable junction boxes. These include the high IP protection rating of up to IP66 and the maximum impact resistance of up to IK10 and a high resistance to breakage. Boxes with soft plug-in seals or closed variants are available. Here, the cable glands can be located freely.

Fastening either takes place on the outer straps or through the box base with fire protection bolt ties. The high-temperature-resistant terminals are premounted on the connection unit. The protective conductor terminal is connected to the support clamp, meaning that covers of the metal parts are not required. The FireBox is tested and approved as a connection socket for maintenance of electrical functionality to DIN 4102 Part 12 with the classes E30, E60 and E90. A separate fuse holder allows protection of a branch.

Installation principle

Fully installed FireBox with identification plate.

FireBox mounting with mounting plate on cable tray.



Version with 4 terminals and protective conductor terminal for power cables.

Cable entry with plug-in seals.

Mounting with fire protection bolt tie through the clamp and base of the FireBox.

Quick lid mounting through 90° rotation of the corner screws.

Classification according to DIN 4102 Part 12

E30 **E60** **E90**

System description

Routing type	Thermoplastic junction box with high-temperature-resistant connection unit
Test certificate no.	P-MPA-E-08-016 in conjunction with the surveyor's report 210005956-6 and GS 3-2/13-370-1
Maintenance of electrical function classes	E30 to E90
Testing standard	DIN 4102 Part 12

Approved data

Clamping capacity of the ceramic terminals

	0.5 mm²	**1.5 mm²**	**2.5 mm²**	**4 mm²**	**6 mm²**	**10 mm²**	**16 mm²**
4 mm²	6	4	2	2	-	-	-
6 mm²	8	6	2	2	2	-	-
10 mm²	-	8	6	4	2	2	-
16 mm²	-	10	8	4	4	2	2

The data in the general construction test certificates of the materials testing office of North Rhine-Westphalia, Erwitte, applies.

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FireBox with plug-in seals, single terminals

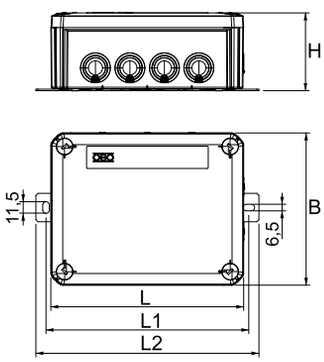
PP

Type	Nominal cross-section mm²	Single terminals	Protective terminal	Entries	Pack Piece	Weight kg/100 pc.	Item no.
T100ED 06A	6	4	1	8x M25 2x M32	1	42.730	**7205740**
T160ED 10A	10	4	1	7x M25 5x M32	1	62.918	**7205742**
T250ED 16A	16	4	1	9x M25 7x M32	1	92.919	**7205744**

Connection box with soft plug-in seals. Sufficiently large wiring compartment through diagonally arranged connection unit with completely pre-mounted, high-temperature-resistant ceramic terminals. Green-yellow labelled protective conductor terminal. Fastening on easily accessible external flaps. Approved for cable systems that maintain the electrical function according to DIN 4102 Part 12 with the classes E30, E60 and E90. Ceramic clamps have been tested according to DIN EN 60998-2-1:2004.

Including 2 x MMSplus P 6x35 screw ties.

Dimensions



Type	Dim. L mm	Dim. B mm	Dim. H mm	Dim. L1 mm	Dim. L2 mm
T100ED 06A	150	116	67	162	182
T160ED 10A	190	150	77	200	220
T250ED 16A	240	190	95	250	270

FireBox with plug-in seals, 1 fuse holder

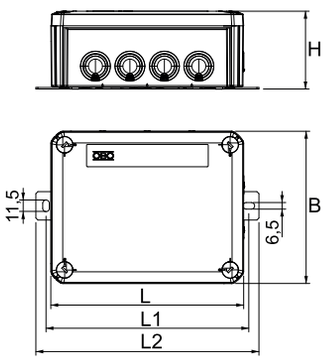
PP

Type	Nominal cross-section mm²	Single terminals	Double terminals	Protective terminal	Entries	Pack Piece	Weight kg/100 pc.	Item no.
T100ED 06AF	6	3	2	1	8x M25 2x M32	1	48.650	**7205752**
T160ED 10AF	10	3	2	1	7x M25 5x M32	1	70.513	**7205754**
T250ED 16AF	16	3	2	1	9x M25 7x M32	1	104.854	**7205756**

Junction box with one fuse holder and soft plug-in seals. Sufficiently large wiring compartment through diagonally arranged connection unit with completely pre-mounted, high-temperature-resistant ceramic terminals. Green-yellow labelled protective conductor terminal. Fastening on easily accessible external flaps. Approved for cable systems that maintain the electrical function according to DIN 4102 Part 12 with the classes E30, E60 and E90. Ceramic clamps have been tested according to DIN EN 60998-2-1:2004.

Including 2 x MMSplus P 6x35 screw ties.

Dimensions



Type	Dim. L mm	Dim. B mm	Dim. H mm	Dim. L1 mm	Dim. L2 mm
T100ED 06AF	150	116	67	162	182
T160ED 10AF	190	150	77	200	220
T250ED 16AF	240	190	95	250	270

PP

FireBox with plug-in seals, 2 fuse holders

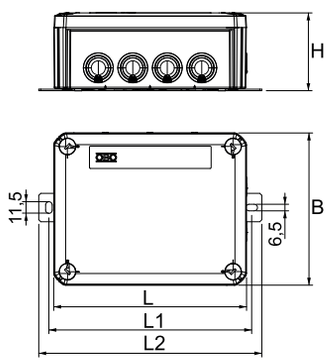
Type	Nominal cross-section mm²	Single terminals	Double terminals	Protective terminal	Entries	Pack Piece	Weight kg/100 pc.	Item no.
T100ED 06A2F	6	3	3	1	8x M25 2x M32	1	52.950	**7205758**
T160ED 10A2F	10	3	3	1	7x M25 5x M32	1	77.188	**7205760**
T250ED 16A2F	16	3	3	1	9x M25 7x M32	1	113.054	**7205762**

Junction box with two fuse holders and soft plug-in seals. Sufficiently large wiring compartment through diagonally arranged connection unit with completely pre-mounted, high-temperature-resistant ceramic terminals. Green-yellow labelled protective conductor terminal. Fastening on easily accessible external flaps. Approved for cable systems that maintain the electrical function according to DIN 4102 Part 12 with the classes E30, E60 and E90. Ceramic clamps have been tested according to DIN EN 60998-2-1:2004.

Including 2x MMSplus P 6x35 screw ties.

Type	Dim. L mm	Dim. B mm	Dim. H mm	Dim. L1 mm	Dim. L2 mm
T100ED 06A2F	150	116	67	162	182
T160ED 10A2F	190	150	77	200	220
T250ED 16A2F	240	190	95	250	270

Dimensions



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Always indicate the item number when ordering.

FireBox, with plug-in seals, for data technology

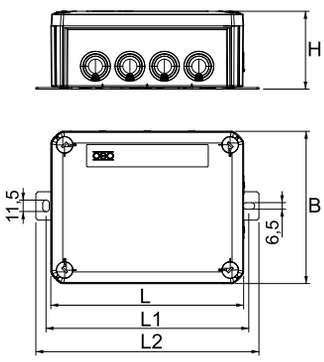
PP

Type	Nominal cross-section mm²	Single terminals	Protective terminal	Entries		Pack Piece	Weight kg/100 pc.	Item no.
T100ED 4x4AD	0.5 - 4	4	1	8 x M25 2 x M32		1	41.690	**7205764**
T100ED 4x8AD	0.5 - 4	8	1	8 x M25 2 x M32		1	45.210	**7205766**
T250ED 4x16AD	0.5 - 4	16	4	9 x M25 7 x M32		1	91.441	**7205768**
T250ED 4x24AD	0.5 - 4	24	4	9 x M25 7 x M32		1	101.643	**7205770**
T350ED 4x32AD	0.5 - 4	32	4	16 x M32 8 x M40		1	158.251	**7205772**

Connection box for data technology with soft plug-in seals. Pairs of high-temperature-resistant ceramic terminals, suitable for data cables. Green-yellow labelled protective conductor/shield terminal. Fastening on easily accessible external flaps. Approved for cable systems that maintain the electrical function according to DIN 4102 Part 12 with the classes E30, E60 and E90. Ceramic clamps have been tested according to DIN EN 60998-2-1:2004.

Including 2x MMSplus P 6x35 screw ties.

Dimensions



Type	Dim. L mm	Dim. B mm	Dim. H mm	Dim. L1 mm	Dim. L2 mm
T100ED 4x4AD	150	116	68	162	182
T100ED 4x8AD	150	116	68	162	182
T250ED 4x16AD	240	190	95	250	270
T250ED 4x24AD	240	190	95	250	270
T350ED 4x32AD	285	201	120	205	230

PP

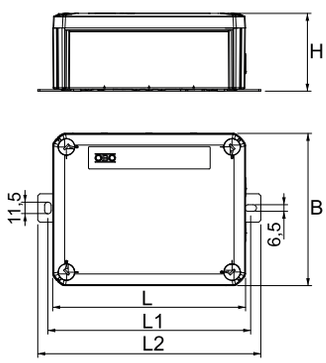
Closed FireBox, empty

Type	Nominal cross-section mm²	Equipment	Dim. A mm	Pack Piece	Weight kg/100 pc.	Item no.
T100E 0VA	0.5 - 6	Support rail	101	1	33.890	**7205780**
T160E 0VA	0.5 - 10	Support rail	130	1	49.203	**7205782**
T250E 0VA	0.5 - 16	Support rail	286	1	74.084	**7205784**
T350E 0VA	0.5 - 16	Support rail	386	1	121.611	**7205786**

Unequipped, closed connection or junction box for free termination with ceramic terminals and cable glands Dimension A states the available support rail length for the wiring terminals. Sufficiently large wiring compartment through diagonally arranged support rail. Fastening on easily accessible external flaps made of stainless steel. Approved for cable systems that maintain the electrical function according to DIN 4102 Part 12 with the classes E30, E60 and E90.

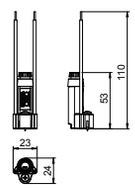
Type	Dim. L mm	Dim. B mm	Dim. H mm	Dim. L1 mm	Dim. L2 mm
T100E 0VA	150	116	67	162	182
T160E 0VA	190	150	77	200	220
T250E 0VA	240	190	95	250	270
T350E 0VA	285	201	120	205	230

Dimensions



Fuse holder for FireBox T series

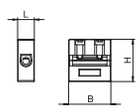
Type	Pack Piece	Weight kg/100 pc.	Item no.
TE-FH 520	1	1.800	**7205570**



Fuse holder with bayonet lock for fine-wire fuse for dimensions Ø 5 x 20 mm. Connection wires that maintain electrical functionality with nominal cross-section 2.5 mm², ready-stripped. For mounting on one of the exposed domes in the junction box of the FireBox T series using the supplied screw.

Ceramic terminal

Type	Nominal cross-section mm²	Dim. L mm	Dim. B mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
TK 04	0.5 - 4	8.5	21.5	21.5	5	0.880	**7205700**
TK 06	6	8.5	21.5	21.5	5	0.880	**7205702**
TK 10	10	12.5	24	24	5	1.840	**7205704**
TK 16	16	15	28	28	5	3.160	**7205706**



High-temperature-resistant ceramic terminal for refitting of the FireBox T series. Tested according to DIN EN 60998-2-1:2004.

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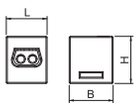
Always indicate the item number when ordering.

Ceramic terminal, double



Type	Nominal cross-section mm²	Dim. L mm	Dim. B mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
TK 06-2	6	19.5	21	22.5	5	2.500	**7205703**
TK 10-2	10	24.5	26.5	26	5	4.200	**7205705**
TK 16-2	16	27	29.5	30.5	5	6.400	**7205707**

High-temperature-resistant ceramic terminal with four connection options for refitting of the FireBox T series. Tested according to DIN EN 60998-2-1:2004.

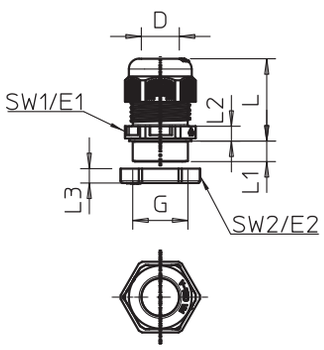
Cable gland with locknut as a set

PA

Type	Thread	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM16+ OR	M16 x 1,5	10	0.771	**7205657**
V-TEC VM20+ OR	M20 x 1,5	10	1.106	**7205660**
V-TEC VM25+ OR	M25 x 1,5	10	1.710	**7205663**
V-TEC VM32+ OR	M32 x 1,5	10	2.840	**7205666**
V-TEC VM40+ OR	M40 x 1,5	10	5.150	**7205669**

Robust cap nut cable gland with metric connecting thread to IEC 423, including pre-mounted locknut.
For high tightness requirements. Strain relief, torsion protection and tightness over the whole clamping area. Sealing ring made of polychloroprene/acrylonitrile butadiene rubber. Moulded shaped sealing lip on intermediate support, no connection thread sealing ring required.
VDE-tested according to DIN EN 50262, protection rating IP68 at 5 bar for 1 hr.
For maintenance of electrical function according to DIN 4102 Part 12 in connection with the closed junction boxes of the FireBox T series.
Colour: Pastel orange.

Dimensions



Type	Dim. G mm	Sealing range D mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm	SW 1 mm	Dim. E1 mm	SW 2 mm	Dim. E2 mm
V-TEC VM16+ OR	M16 x 1,5	4.5 - 10	21.5	23.5	8	5	5	20	22	22	25
V-TEC VM20+ OR	M20 x 1,5	6 - 13	23.5	30.5	9	5	6	24	27	24	27
V-TEC VM25+ OR	M25 x 1,5	9 - 17	26	35	10	6	6.5	29	32	32	36
V-TEC VM32+ OR	M32 x 1,5	15 - 21	29	40	11	6	7	36	41	41	46
V-TEC VM40+ OR	M40 x 1,5	16 - 28	36	46	11	7	7.5	44	50	50	56

TPE

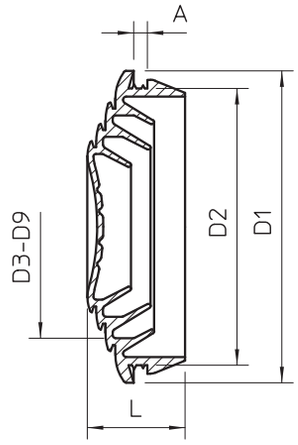
Plug-in seal for FireBox T series

Type	Size	For Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
EDK 25 OR	M25	0-22	Pastel orange	10	0.214	**7205675**
EDK 32 OR	M32	0-27	Pastel orange	10	0.328	**7205677**
EDK 40 OR	M40	0-34	Pastel orange	10	0.534	**7205679**

The soft plug-in seal can be cut back step by step to suit the relevant cable diameter.
Colour: Pastel orange.

Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Sealing range D mm
EDK 25 OR	10.1	2.2	29.5	25.4	0-22
EDK 32 OR	11.4	2.2	36.4	32.3	0-27
EDK 40 OR	13.4	2.2	44.1	40.2	0-34

Dimensions



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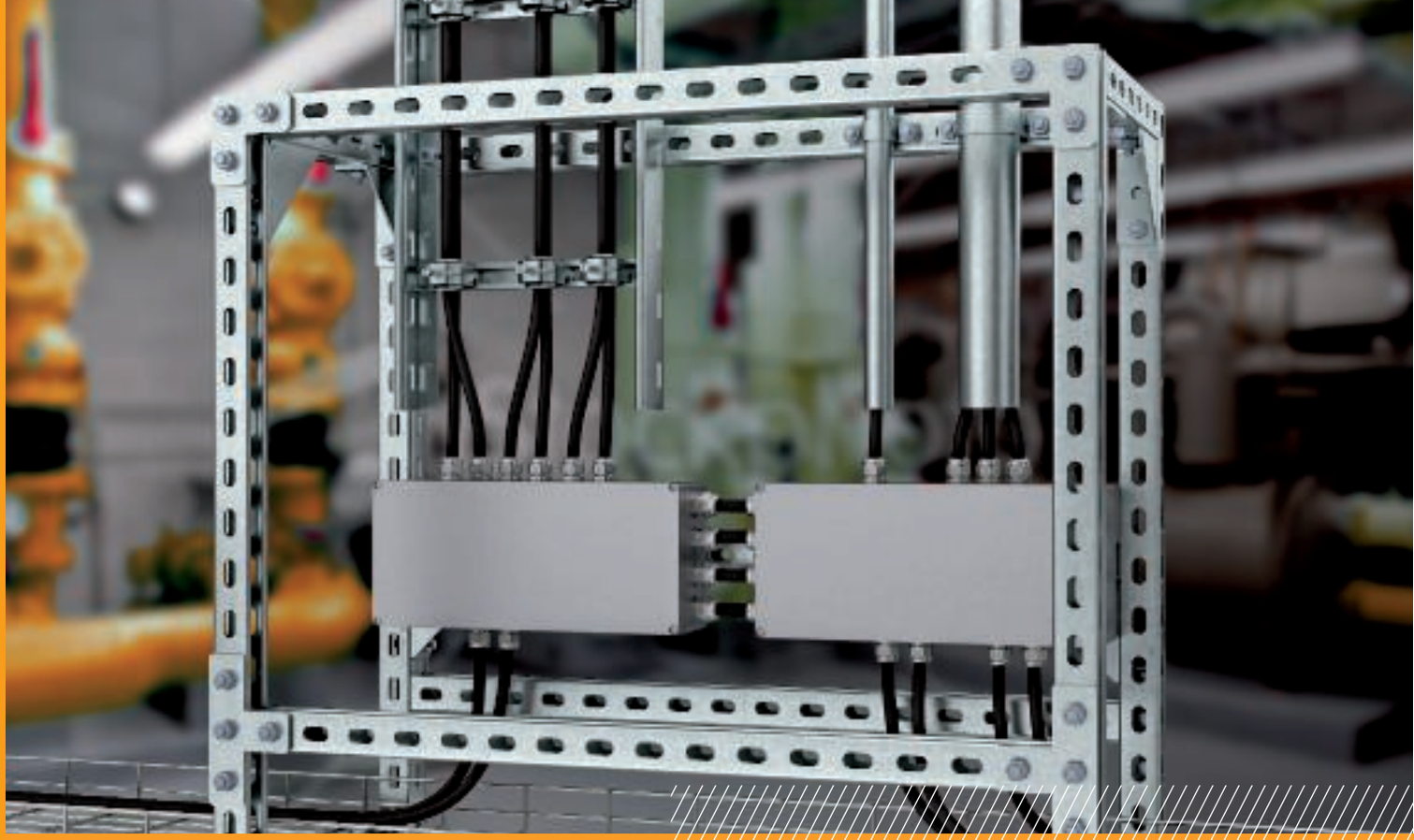
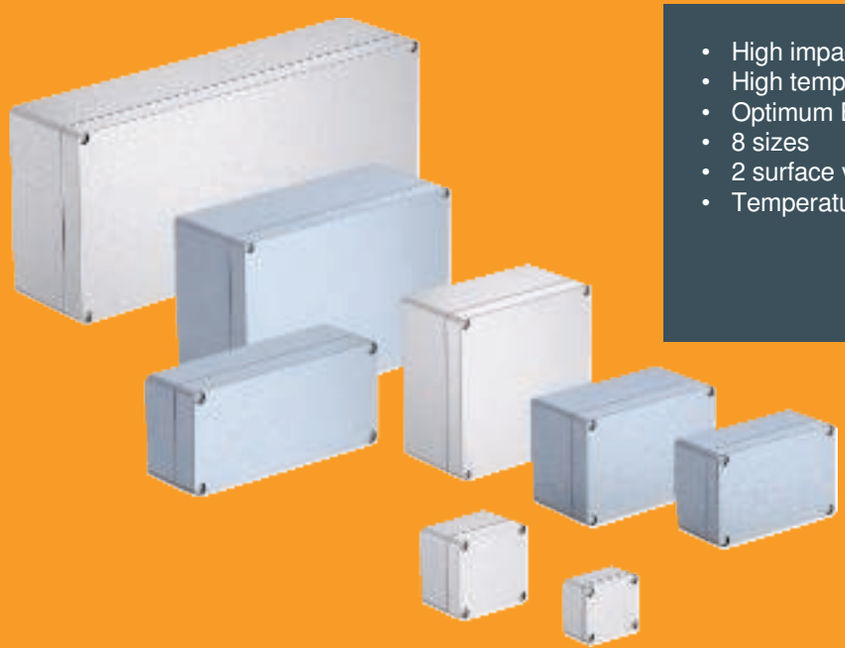


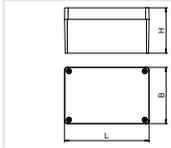
Junction boxes Mx series

Our aluminium empty housings were designed for use under the toughest conditions and provide optimum protection of the installation. The metal housing of the Mx series withstands extremely high and low temperatures, as well as large temperature differences. High impact loads in an industrial surrounding, vandalism or rock falls are not able to harm the housing. Furthermore, the Mx series offers perfect EMC protection and is ideally secured against the entry of dust and water in line with protection rating IP66.



- High impact resistance
- High temperature resistance
- Optimum EMC protection
- 8 sizes
- 2 surface variants
- Temperature range: –40 to 125 °C

Aluminium empty housing Mx06, powder coated



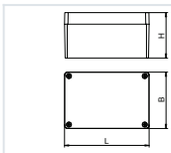
Type	Mx 060503 SGR	Mx 080705 SGR	Mx 120805 SGR
Version	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws
Colour	Silver grey	Silver grey	Silver grey
Dimension LxWxH mm	64x58x34	80x75x57	125x80x57
Clear internal dimensions mm	56.5x50.5x31.5	71x65.6x52.5	115.5x70.5x51
Pack Piece	1	1	1
Weight kg/100 pc.	19.200	36.400	50.000
Item no.	**2011304**	**2011308**	**2011312**

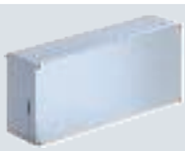
AIG Die-cast aluminium
P Powder-coated

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 powder-coated (RAL 7001) 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	Mx 161609 SGR	Mx 170805 SGR	Mx 261609 SGR	Mx 361609 SGR
Version	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws
Colour	Silver grey	Silver grey	Silver grey	Silver grey
Dimension LxWxH mm	160x160x90	175x80x57	260x160x90	360x160x91
Clear internal dimensions mm	149x149x84.5	165x70x51	229.5x149x94.5	317.5x149x92
Pack Piece	1	1	1	1
Weight kg/100 pc.	170.000	66.000	230.000	320.000
Item no.	**2011320**	**2011324**	**2011328**	**2011332**

AIG Die-cast aluminium
P Powder-coated

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 powder-coated (RAL 7001) 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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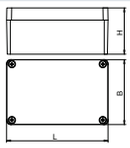
Aluminium empty housing Mx06, paintable



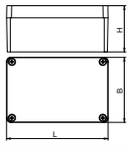
Type	Mx 060503 CR3	Mx 080705 CR3	Mx 090603 CR3	Mx 120805 CR3
Version	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws
Dimension LxWxH mm	64x58x34	80x75x57	98x64x34	125x80x57
Clear internal dimensions mm	56,5x50,5x31,5	71x65,5x52,5	91x54x29	115,5x70,5x51
Pack Piece	1	1	1	1
Weight kg/100 pc.	19.200	36.400	25.000	50.000
Item no.	**2011378**	**2011381**	**2011384**	**2011386**

AIG Die-cast aluminium
Cr3 Chrome III coating

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, ports 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 a protection class of up to IP66, 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 are chrome 3-coated and are delivered with a cover including stainless steel screws, a seal and 2 or 4 earthing screws.
The chrome 3 surface provides a good contact when using metal fittings and can easily be painted or powder-coated.

Temperature: -40°C to +125°C

Aluminium empty housing Mx16, paintable



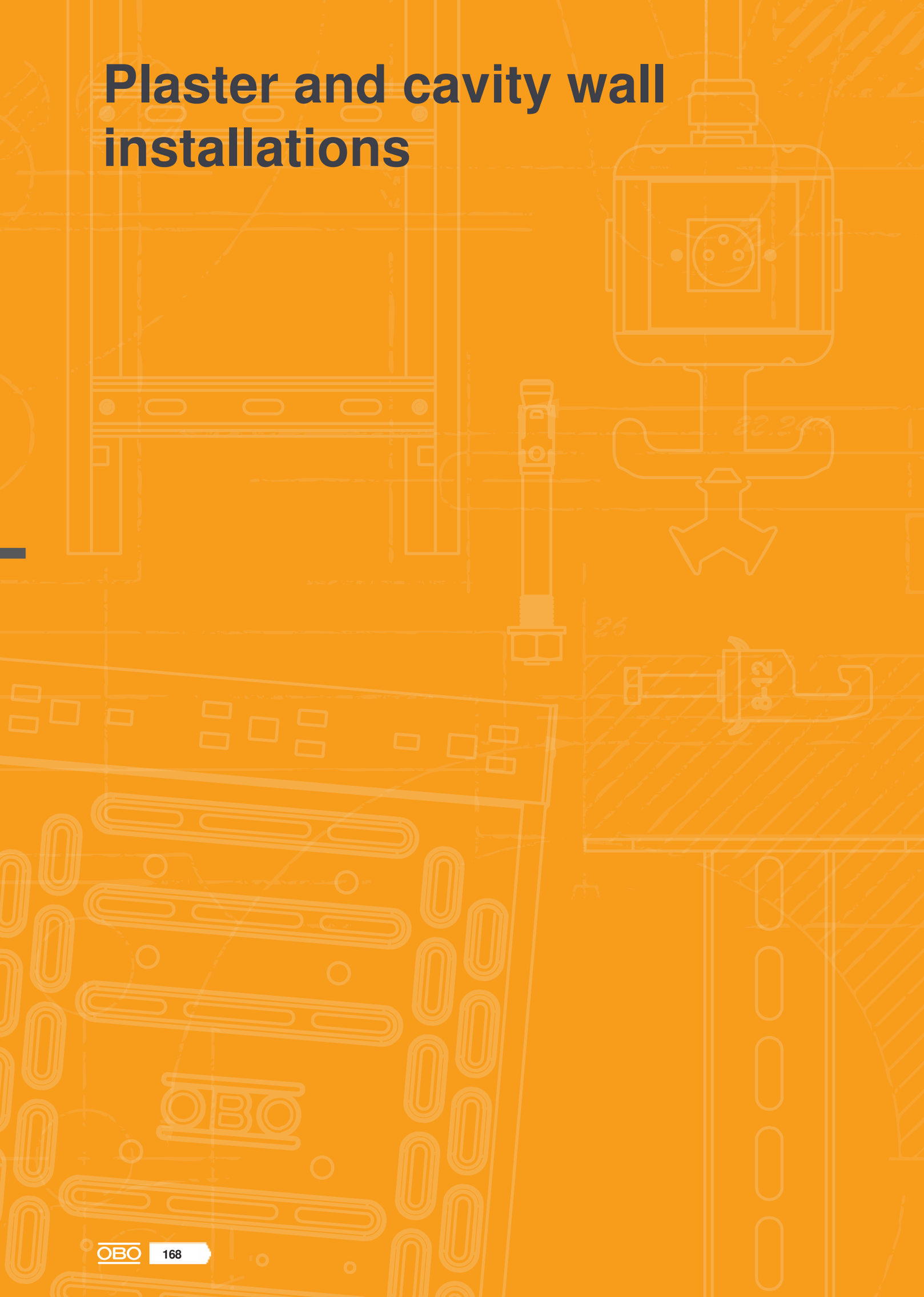
Type	Mx 161008 CR3	Mx 161609 CR3	Mx 221209 CR3	Mx 261609 CR3	Mx 361609 CR3
Version	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws	Closed with 4 stainless steel lid screws
Dimension LxWxH mm	160x100x81	150x100x91	220x120x90	260x160x90	360x160x91
Clear internal dimensions mm	140,5x90x74,5	140,5x90x74,5	210x109x81	249x149x82	317,5x149x82
Pack Piece	1	1	1	1	1
Weight kg/100 pc.	90.000	170.000	168.000	230.000	320.000
Item no.	**2011389**	**2011392**	**2011394**	**2011396**	**2011398**

AIG Die-cast aluminium
Cr3 Chrome III coating

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, ports 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 a protection class of up to IP66, 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 are chrome 3-coated and are delivered with a cover including stainless steel screws, a seal and 2 or 4 earthing screws.
The chrome 3 surface provides a good contact when using metal fittings and can easily be painted or powder-coated.

Temperature: -40°C to +125°C

Plaster and cavity wall installations



Plaster and cavity wall installations

Concealed systems 168

Cavity wall systems 176

System accessories 180

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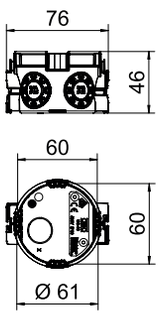
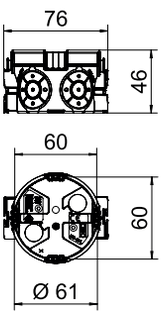
UP Flush-mounted device box 46



Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46	46	7	20/25 mm	Jet black	25	1.930	**2003700**

Flush-mounted device box, for use in masonry with an installation depth of at least 46 mm.
- 4 x 3 screw domes
- Connector with bayonet lock, couplable on both sides
- 6 combination pipe insertions of Ø 20 and 25 mm
- 1 entry up to Ø 20 mm in the base

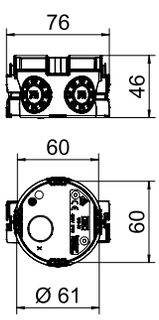
UP Flush-mounted device box 46, airtight



Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46-L	46	8	20/25 mm	Jet black / blue-grey	25	2.040	**2003706**

Flush-mounted device box, with airtight membrane entries, for use in masonry with an installation depth of at least 46 mm.
- 4 x 3 screw domes
- Connector with bayonet lock, couplable on both sides
- 4 combination pipe entries of Ø 20 and 25 mm
- 2 entries up to Ø 20 mm in the connector
- 2 entries up to Ø 12 mm in the base

UP Flush-mounted device box 46, with device screws



Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46-GS	46	7	20/25 mm	Jet black	25	2.050	**2003701**

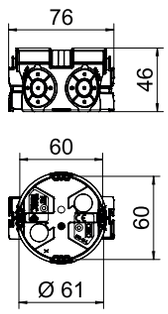
Flush-mounted device box, for use in masonry with an installation depth of at least 46 mm.
- 4 x 3 screw domes
- 2 pre-mounted device screws
- Connector with bayonet lock, couplable on both sides
- 6 combination pipe insertions of Ø 20 and 25 mm
- 1 entry up to Ø 20 mm in the base

PP/TPE

UP Flush-mounted device box 46, with device screws, airtight

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46-GS-L	46	8	20/25 mm	Jet black / blue-grey	25	2.120	**2003707**

Flush-mounted device box, with airtight membrane entries, for use in masonry with an installation depth of at least 46 mm.
- 4 x 3 screw domes
- 2 pre-mounted device screws
- Connector with bayonet lock, couplable on both sides
- 4 combination pipe entries of Ø 20 and 25 mm
- 2 entries up to Ø 20 mm in the connector
- 2 entries up to Ø 20 mm in the base

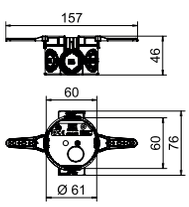


PP

UP Flush-mounted device box 46, with nail straps

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46-NL	46	7	20/25 mm	Jet black	25	2.200	**2003714**

Flush-mounted device box with nail straps, for use in masonry with an installation depth of at least 46 mm.
- 4 x 3 screw domes
- Connector with bayonet lock, couplable on both sides
- 6 combination pipe insertions of Ø 20 and 25 mm
- 1 entry up to Ø 20 mm in the base

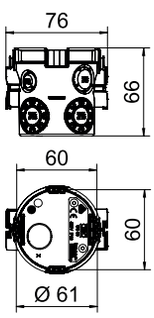


PP

UP Flush-mounted device connection box 66

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66	66	13	20/25 mm	Jet black	25	2.390	**2003702**

Flush-mounted device box, for use in masonry with an installation depth of at least 66 mm.
- 4 x 3 screw domes
- Connection nozzle with bayonet lock, couplable on both sides
- 6 combination pipe entries up to Ø 20 and 25 mm
- 4 entries up to Ø 20 mm
- 2 entries up to Ø 14 mm
- 1 entry up to Ø 20 mm in the base

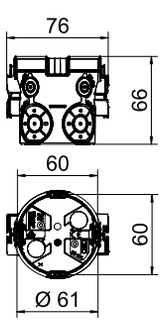


PP/TPE

UP Flush-mounted device connection box 66, airtight

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-L	66	14	20/25 mm	Jet black / blue-grey	25	2.510	**2003708**

Flush-mounted device box, with airtight membrane entries, for use in masonry with an installation depth of at least 66 mm.
- 4 x 3 screw domes
- Connector with bayonet lock, couplable on both sides
- 4 combination pipe entries of Ø 20 and 25 mm
- 2 entries up to Ø 20 mm
- 6 entries up to Ø 12 mm
- 2 entries up to Ø 12 mm in the base



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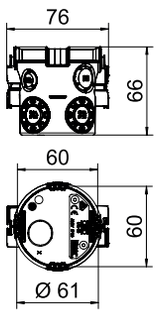
Always indicate the item number when ordering.

UP Flush-mounted device connection box, with device screws

PP

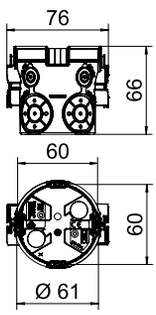


Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-GS	66	13	20/25 mm	Jet black	25	2.510	**2003703**

Flush-mounted device box, for use in masonry with an installation depth of at least 66 mm.
- 4 x 3 screw domes
- 2 pre-mounted device screws
- Connector with bayonet lock, couplable on both sides
- 6 combination pipe entries of Ø 20 and 25 mm
- 4 entries up to Ø 20 mm
- 2 entries up to Ø 14 mm
- 1 entry up to Ø 20 mm in the base

UP Flush-mounted device connection box 66, with device screws, airtight

PP/TPE

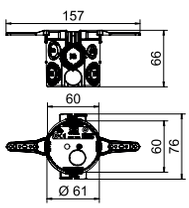


Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-GS-L	66	14	20/25 mm	Jet black / blue-grey	25	2.630	**2003709**

Flush-mounted device box, with airtight membrane entries, for use in masonry with an installation depth of at least 66 mm.
- 4 x 3 screw domes
- 2 pre-mounted device screws
- Connector with bayonet lock, couplable on both sides
- 4 combination pipe entries of Ø 20 and 25 mm
- 2 entries up to Ø 20 mm
- 6 entries up to Ø 12 mm
- 2 entries up to Ø 12 mm in the base

UP Flush-mounted device connection box 66, with nail straps

PP



Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-NL	66	13	20/25 mm	Jet black	25	2.650	**2003716**

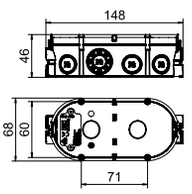
Flush-mounted device box with nail straps, for use in masonry with an installation depth of at least 66 mm.
- 4 x 3 screw domes
- Connector with bayonet lock, couplable on both sides
- 6 combination pipe entries of Ø 20 and 25 mm
- 4 entries up to Ø 20 mm
- 2 entries up to Ø 14 mm
- 1 entry up to Ø 20 mm in the base

PP

Flush-mounted device box 46, double version

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 46-DV	46	12	20/25 mm	Jet black / blue-grey	10	3.720	**2003722**

Double flush-mounted device box, for use in masonry with an installation depth of at least 46 mm.
- Connector with bayonet lock, couplable on both sides
- 4 combination pipe entries of Ø 20 and 25 mm
- 6 entries up to Ø 20 mm
- 2 entries up to Ø 20 mm in the base

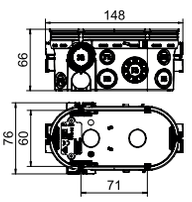


PP

Flush-mounted device connection socket 66, double version

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-DV	66	22	20/25 mm	Jet black	10	5.610	**2003720**

Double flush-mounted device box, for use in masonry with an installation depth of at least 66 mm.
- With 4 connectors with bayonet lock, couplable on both sides
- 6 combination pipe entries of Ø 20 and 25 mm
- 8 entries up to Ø 20 mm
- 6 entries up to Ø 14 mm
- 2 entries up to Ø 20 mm in the base

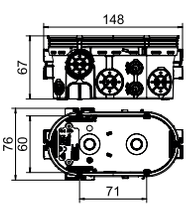


PP/TPE

Flush-mounted device connection socket 66, double version, airtight

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 66-DV-L	66	24	20/25 mm	Jet black / blue-grey	10	6.060	**2003723**

Double flush-mounted device box, with airtight membrane entries, for use in masonry with an installation depth of at least 67 mm.
- With 4 couplable connectors with bayonet lock
- 4 combination pipe entries of Ø 20 and 25 mm
- 4 entries up to Ø 20 mm
- 14 entries up to Ø 11 mm
- 2 entries up to Ø 20 mm in the base

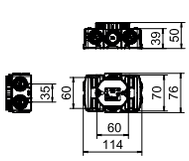


PP

Flush-mounted electronics box 46, rectangular, with clamping area to the side

Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UE 46	46	16	20/25 mm	Jet black	10	4.300	**2003725**

Flush-mounted electronic box, with side clamping space, rectangular shape, for use in masonry with an installation depth of at least 50 mm.
- Connector with bayonet lock, couplable on both sides
- 10 combination pipe entries of Ø 20 and 25 mm
- 2 entries up to Ø 20 mm in the base
- 4 entries for flat cables/ribbon cables
- 4 x 3 screw domes



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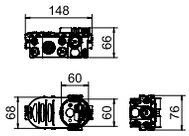
Always indicate the item number when ordering.

UP Flush-mounted electronic box 66, additional clamping space

PP

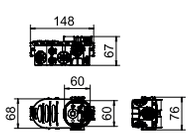


Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UE 66	66	22	20/25 mm	Jet black	10	6.150	**2003726**

Flush-mounted electronic box, with additional terminal area, for use in masonry with an installation depth of at least 66 mm.
- With 4 couplable connectors with bayonet lock
- 6 combination pipe entries of Ø 20 and 25 mm
- 8 entries up to Ø 20 mm
- 6 entries up to Ø 14 mm
- 2 entries up to Ø 20 mm in the base
- Partition for different voltages, with break-out openings
- 4 x 3 screw domes

UP Flush-mounted electronic box 66, airtight

PP/TPE



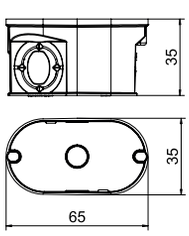
Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UE 66-L	67	24	20/25 mm	Jet black / blue-grey	10	6.600	**2003727**

Flush-mounted electronic box, with additional clamping space and airtight membrane entries, for use in masonry with an installation depth of at least 67 mm.
- With 4 couplable connectors with bayonet lock
- 4 combination pipe entries of Ø 20 and 25 mm
- 4 entries up to Ø 20 mm
- 14 entries up to Ø 11 mm
- 2 entries up to Ø 20 mm in the base
- Partition for different voltages, with break-out openings
- 4 x 3 screw domes

Wall luminaire connection sockets

UP Flush-mounted outlet box

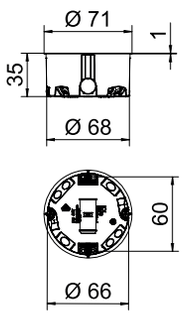
PP



Type	Height mm	Number of entries	Pipe Ø	Colour	Pack Piece	Weight kg/100 pc.	Item no.
UG 30-WA-D	35	4	20 mm	Jet black	25	1.150	**2003732**

Flush-mounted outlet box for single cable routing. Oval shape, for use in masonry with an installation depth of at least 35 mm.
- 2 entries up to Ø 20 mm
- 1 combination entry of Ø 10 and 20 mm
- 1 entry up to Ø 20 mm in the base

Cavity wall device box 35

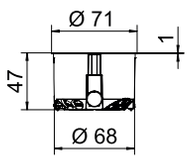


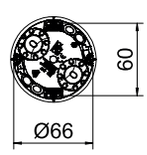
Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 35	68	5-28	35	6	Orange	25	1.840	**2003800**

Cavity wall device box for use in cavity walls with an installation depth of at least 35 mm and a plate thickness of 5–28 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 4 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- Connection with other device boxes of type HG 35 via connector, type ZH 11-V

Delivery accessories: 10 x connectors, type ZH 11-V

Cavity wall device box 47



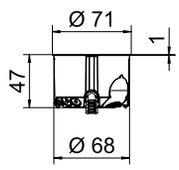


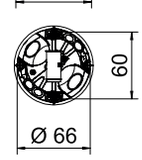
Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 47	68	5-40	47	6	Orange	25	2.250	**2003802**

Cavity wall device box for use in cavity walls with an installation depth of at least 47 mm and a plate thickness of 5–40 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 2 combination pipe entries of Ø 20 and 25 mm
- 2 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- Connection with other device boxes via connector, type ZH 11-V

Delivery accessories: 10 x connectors, type ZH 11-V

Cavity wall device box 47, airtight





Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 47-L	68	5-40	47	6	Orange / grey	25	2.410	**2003806**

Cavity wall device box with airtight membrane entries for use in cavity walls with an installation depth of at least 47 mm and a plate thickness of 5–40 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 2 combination pipe entries of Ø 20 and 25 mm
- 2 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- Airtight connection with other device boxes via connector, type ZH 11-V

Delivery accessories: 10 x connectors, type ZH 11-V

PP

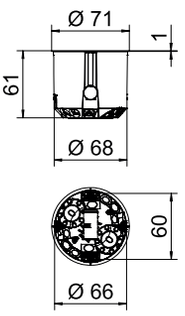
IP 30 | Ø 68 | 1,5-2,5 mm² | 400 V | 850°

Cavity wall device connection box 61

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 61	68	5-40	61	10	Orange	25	2.500	**2003804**

Cavity wall device box for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5-40 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 2 combination pipe entries of Ø 20 and 25 mm
- 4 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- Connection with other device boxes via connector, type ZH 11-V

Delivery accessories: 10 x connectors, type ZH 11-V



PP/TPE

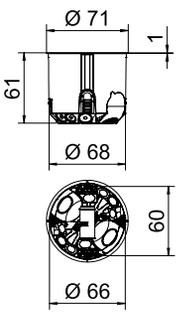
IP 30 | Ø 68 | 1,5-2,5 mm² | 400 V | 850°

HW Cavity wall device connection box 61, air-tight

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 61-L	68	5-40	61	10	Orange / grey	25	2.750	**2003808**

Cavity wall device box with airtight membrane entries for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5–40 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 2 combination pipe entries of Ø 20 and 25 mm
- 4 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- Airtight connection with other accessory sockets via connector, type ZH 11-V

Delivery accessories: 10 x connectors, type ZH 11-V



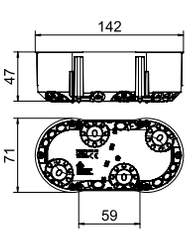
PP

IP 30 | Ø 68 | 1,5-2,5 mm² | 400 V | 850°

HW Cavity wall device box 47, double

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 47-DV	68	5-40	47	12	Orange	10	4.230	**2003822**

Double cavity wall device box for use in cavity walls with an installation depth of at least 47 mm and a plate thickness of 5 - 40 mm.
- 6 screw domes
- Device screws, clamping straps
- 4 combination pipe entries of Ø 20 and 25 mm
- 4 entries for NYM cables 3 x 1.5 mm
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- Connection with other device boxes via connector, type ZH 11-V



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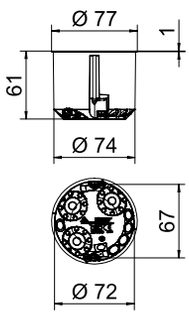
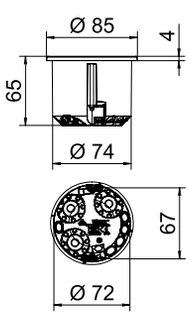
HW Cavity wall device box 61, CEE/PERILEX



Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 61-AD	74	5-40	61	9	Orange	10	2.130	**2003818**

CEE/PERILEX cavity wall device box for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5–40 mm.
- 2 screw domes
- Device screws, clamping straps
- 3 combination pipe entries of Ø 20 and 25 mm
- 3 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- 1 entry for NYM cables 3 x 1.5 mm²

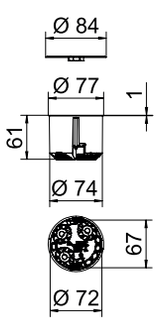
HW Cavity wall device box 61, CEE/PERILEX, with sealing ring



Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 61-AD-IP	74	5-40	61	9	Orange	10	3.290	**2003819**

CEE/PERILEX cavity wall device box with sealing ring, for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5–40 mm.
- 2 screw domes
- Device screws, clamping straps
- 3 combination pipe entries of Ø 20 and 25 mm
- 3 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- 1 entry for NYM cables 3 x 1.5 mm²

HW Cavity wall device box 61, CEE/PERILEX, with cover



Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 61-AD-D	74	5-40	61	9	Orange	10	2.980	**2003820**

CEE/PERILEX cavity wall device box with cover, for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5–40 mm.
- 2 screw domes
- Device screws, clamping straps
- 3 combination pipe entries of Ø 20 and 25 mm
- 3 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- 1 entry for NYM cables 3 x 1.5 mm²

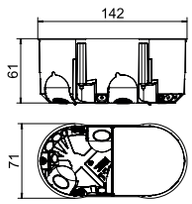
PP/TPE

IP 30 | 1,5-2,5 mm² | 400 V | Ø 68 | 850°

HW Cavity wall electronic box 61, airtight

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HE 61-DV-L	68	5-40	61	14	Orange / grey	10	6.190	**2003826**

Cavity wall electronic box with membrane entries, cover and partition, for use in cavity walls with an installation depth of at least 61 mm and a plate thickness of 5–40 mm.
- 6 screw domes
- Device screws, clamping straps
- 4 combination pipe entries of Ø 20 and 25 mm
- 4 entries for NYM cables 3 x 1.5 mm²
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- Airtight connection with other device boxes via connector, type ZH 11-V



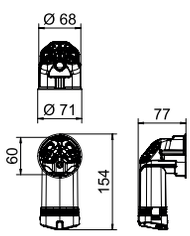
PP/TPE

IP 30 | 1,5-2,5 mm² | 400 V | Ø 68 | 850°

HW Cavity wall electronic box 74, airtight, with elastomer sack

Type	Milling hole Ø mm	Suitable for plate thickness mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HE 74-L	68	5-35	8	Orange / grey	10	4.446	**2003828**

Cavity wall electronic box with membrane entries for additional wiring space, for use in cavity walls with an installation depth of at least 75 mm and a plate thickness of 5 - 35 mm.
- 2 x 3 screw domes
- Device screws, clamping straps
- 2 entries for NYM cables 3 x 1.5 mm²
- 2 entries for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 5 x 2.5 mm² or 7 x 1.5 mm²
- 2 combination pipe entries Ø 20 and 25 mm in the bottom area of the wiring space



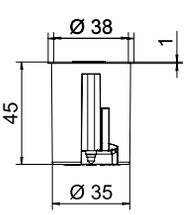
PP/TPE

IP 30 | 1,5 mm² | 400 V | 850°

HW Cavity wall outlet box, airtight

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 45-WA-LD	35	5-40	45	2	Orange / grey	25	0.990	**2003832**

Airtight cavity wall outlet box for cavity walls, for the mounting of wall luminaires or loud-speakers With cover.
- 1 entry for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 1 entry for NYM cables 3 x 1.5 mm²



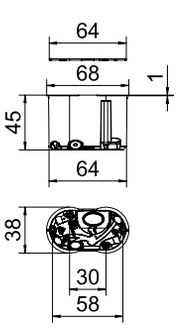
PP/TPE

IP 30 | 1,5 mm² | 400 V | 850°

HW Cavity wall outlet box, double, airtight

Type	Milling hole Ø mm	Suitable for plate thickness mm	Height mm	Number of entries	Colour	Pack Piece	Weight kg/100 pc.	Item no.
HG 45-WAD-LD	35	5-40	45	4	Orange / grey	25	1.930	**2003834**

Airtight, double wall outlet box for cavity walls, for the mounting of wall luminaires or loud-speakers With cover.
- 1 entry for NYM cables 3 x 2.5 mm² or 5 x 1.5 mm²
- 2 entries for NYM cables 3 x 1.5 mm²
- 1 combination pipe entry for Ø 20 and 25 mm



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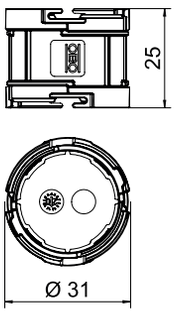
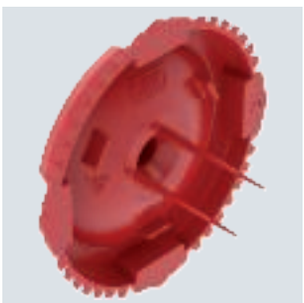
UP Distance connector

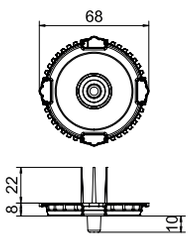


Type	Length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 20-AS	25	Signal red	25	0.350	**2003746**

Distance connector with bayonet lock for the stable combination of multiple flush-mounted device boxes. To expand the standard centre spacing of 71 mm by 20 mm.

UP Signal cover flush-mounted boxes, single

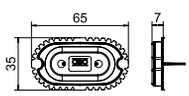




Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 60-SD	Signal red	50	0.380	**2003760**

Cover as protection of flush-mounted boxes during plastering. Red, with signal bristles for determining position, centring for drill bit, straps for pulling off.

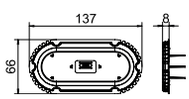
UP Signal cover, flush-mounted outlet box



Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 30-SDW	65x35mm	Signal red	25	0.220	**2003768**

Cover for flush-mounted outlet box as protection during plastering. Red, with signal bristles for determining position.

UP Signal cover for flush-mounted box, double



Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 60-SSD	2 x Ø60mm	Signal red	25	1.070	**2003762**

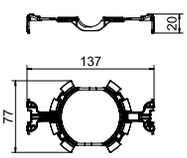
Cover as protection of double flush-mounted box during plastering. Red, with signal bristles for determining position.

PP

UP Quick-Fix

Type	Dia-meter mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 60-QF	60	Signal red	25	0.570	2003740

Quick fixing through clamping of flush-mounted device boxes Ø 60 mm, instead of plastering or sticking.
For openings with a diameter of 80 mm. Not suitable for the use with thin plaster.

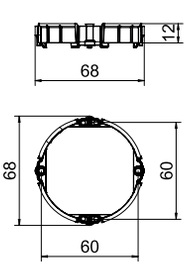


PS

UP Plaster compensation ring 12 mm, flush-mounted device box

Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 12-PR	Ø60mm, H12mm	Signal red	25	0.650	2003742

Plaster compensation ring for Ø 60 mm flush-mounted box, to screw on.

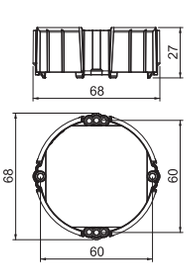


PS

UP Plaster compensation ring 24 mm, flush-mounted device box

Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZU 24-PR	Ø60mm, H24mm	Signal red	25	1.020	2003744

Plaster compensation ring for Ø 60 mm flush-mounted box, to screw on.

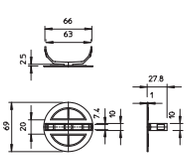


PS

Sprung cover, 60 mm

Type	Ø Max.	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA 60-FD	72	White	25	0.560	2003749

Sprung lid with centrally moulded, elastic spreading spring, for sockets with Ø 60 mm, lid edge is flush, surface is roughened.



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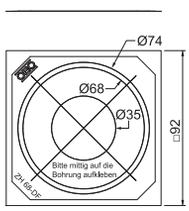
Sealing foil, cavity wall device box

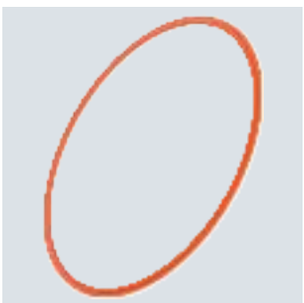


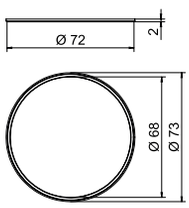
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 68-DF	Transparent	10	0.500	**2003850**

Foil for sealing of installation openings that are cut too large or broken out.

HW Compensation ring

PP
Ø 68



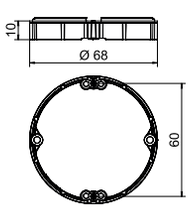


Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 68-AR	Ø68mm	Orange	10	0.050	**2003840**

Compensation ring for cavity wall box Ø 68 mm, to compensate for large or unround drill holes.

HW Compensation ring 10

PP
Ø 68

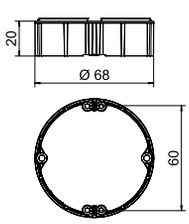


Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 10-AR	Ø68mm, H10mm	Orange	25	0.360	**2003842**

Compensation ring for cavity wall device box Ø 68 mm, to screw on.

HW Compensation ring 20

PP
Ø 68



Type	Dimension	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 20-AR	Ø68mm, H20mm	Orange	25	0.580	**2003844**

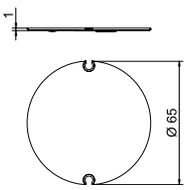
Compensation ring for cavity wall device box Ø 68 mm, to screw on.

PC / ABS

Inner fitting, cover cavity wall device box

Type	Ø Max.	Height mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 60-ID	65	1	White	25	1.130	**2003848**

Inner fitting cover for cavity wall device box, to screw on.

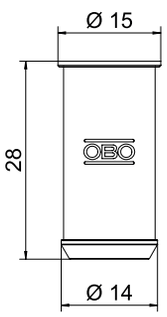


PP

HW Connector for cavity wall boxes

Type	Dia-meter mm	Length mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 11V	14.5	28	Orange	10	0.098	**2003846**

Connector to connect cavity wall boxes and pass cable wires through. Airtight in conjunction with airtight cavity wall boxes.

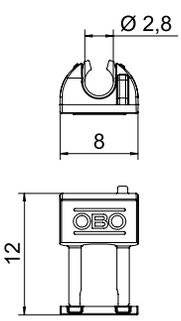


PP

HW Fastening element, thin panelling

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZH 12-DB	Orange	50	0.012	**2003854**

Fastening element to extend the tensioning area for thin panelling, suitable for panelling thicknesses of up to 0.2 mm.

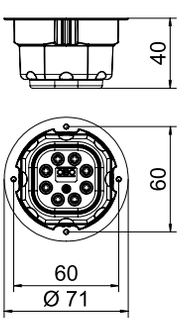


TPE

Sealing insert for device box

Type	Number of entries	Type of entry	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA 60-DE	8	8 x Ø1 mm to 4 mm	Grey	10	1.200	**2003719**

Sealing insert for flush-mounted and cavity wall boxes, to seal against ingress of air.



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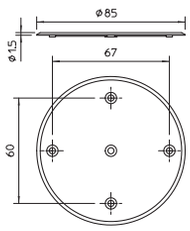
Universal cover

PC / ABS

Ø 80

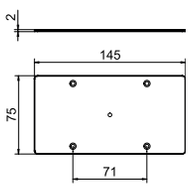


Type	Ø Max.	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA 60-D	84	White	25	0.850	**2003748**

Universal cover for flush-mounted and cavity wall box. With drill holes, hole spacing 60 mm for all device boxes, retractable screws. Roughened surface.

Cover, double, rectangular

PC / ABS

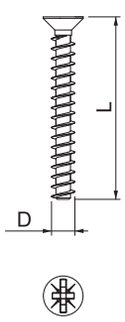


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA 60-DV	White	5	1.780	**2003823**

Rectangular cover for double flush-mounted and cavity wall box. With drill holes, retractable screws.

Device screw for flush-mounted/cavity wall boxes

St G



Type	Dimension	Pack Piece	Weight kg/100 pc.	Item no.
ZA 15-GS-S	Ø3,2mm,15mm	50	0.055	**2003268**
ZA 25-GS-S	Ø3,2mm,25mm	50	0.087	**2003271**
ZA 40-GS-S	Ø3,2mm,40mm	50	0.135	**2003279**

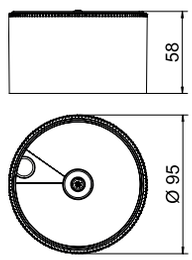
Device screw for mounting devices in flush-mounted or cavity wall device boxes.

St G

Device screws, economy pack for flush-mounted/ cavity wall boxes

Type	Pack Piece	Weight kg/100 pc.	Item no.
ZA 100-GS-VB	1	37.100	2003280

Economy box with device screws Ø 3.2 mm in 15, 25 and 40 mm lengths, for mounting devices in flush-mounted or cavity wall device boxes.

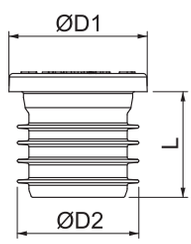


TPE

Sealing plug

Type	Dim. D1 mm	Dim. D2 mm	Dim. L mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA 20-VS	19	15	17	Grey	25	0.170	2003737
ZA 25-VS	24	19	18	Grey	25	0.250	2003738

Sealing plug to close empty pipes.

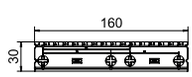


PP

Drilling template for flush-mounted and cavity wall boxes

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
ZA BS	Orange	10	0.900	2003890

Drilling template for flush-mounted and cavity wall boxes. To draw on the fastening spacings of 71 or 91 mm. With marking aids for centre-punching and notching for alignment, e.g. to chalk line markings.



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Terminals

Terminals

Screwless terminals 188

Screw terminals 192

Phase terminals 196

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Screwless universal terminal

This is the easiest way to connect or disconnect rigid cables and strands: OBO's new screwless connection terminals for flexible and rigid cables.

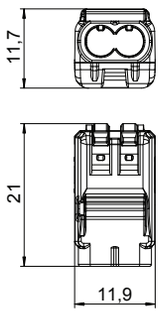
- Simple connection and disconnection
- Test opening
- Simple checking of the stripping length
- For flexible and rigid conductors
- Rigid conductors can be inserted without even handling the release lever
- Connection cross-sections of 0.2 to 2.5 mm²
- Tested to EN 60998

PC

Universal plug-in terminal, 2-pole

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 225 FL	Transparent	100	0.200	**2054450**

Tested according to EN 60998.
Screwless terminal to connect electrical conductors. The type of conductor can either be flexible, multi-wire or rigid.
If rigid conductors are used, an opening of the release lever is not necessary. The conductor can be plugged into the terminal directly.
To extract the conductors, simply open the release lever. The strand can then be easily pulled-out.
Nominal cross-section:
2 x 0.2 - 2.5 mm² multi-wire cables / single-wire conductors
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 9 mm (+1 mm).
Inspection opening: Phase tester and testing pin (max. Ø 2 mm), very easily accessible on the top side of the terminal
Max. approved ambient temperature according to EN 60998: 85 °C.

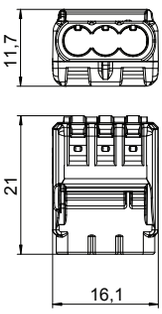


PC

Universal plug-in terminal, 3-pole

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 325 FL	Transparent	75	0.270	**2054454**

Tested according to EN 60998.
Screwless terminal to connect electrical conductors. The type of conductor can either be flexible, multi-wire or rigid.
If rigid conductors are used, an opening of the release lever is not necessary. The conductor can be plugged into the terminal directly.
To extract the conductors, simply open the release lever. The strand can then be easily pulled-out.
Nominal cross-section:
3 x 0.2 - 2.5 mm² multi-wire cables / single-wire conductors
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 9 mm (+1 mm).
Inspection opening: Phase tester and testing pin (max. Ø 2 mm), very easily accessible on the top side of the terminal
Max. approved ambient temperature according to EN 60998: 85 °C.

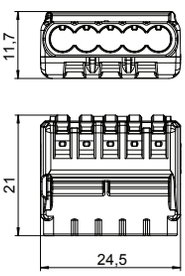


PC

Universal plug-in terminal, 5-pole

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 525 FL	Transparent	50	0.410	**2054458**

Tested according to EN 60998.
Screwless terminal to connect electrical conductors. The type of conductor can either be flexible, multi-wire or rigid.
If rigid conductors are used, an opening of the release lever is not necessary. The conductor can be plugged into the terminal directly.
To extract the conductors, simply open the release lever. The strand can then be easily pulled-out.
Nominal cross-section:
5 x 0.2 - 2.5 mm² multi-wire cables / single-wire conductors
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 9 mm (+1 mm).
Inspection opening: Phase tester and testing pin (max. Ø 2 mm), very easily accessible on the top side of the terminal
Max. approved ambient temperature according to EN 60998: 85 °C.



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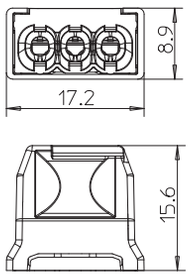
Always indicate the item number when ordering.

Screwless terminal, 3-pin

PA

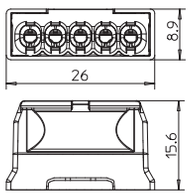


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 325 LGR	Light grey	100	0.135	**2054485**

Screwless terminal to connect single-strand cables.
Nominal cross-section:
3 x 0.5 mm² to 2.5 mm² single-wire conductors
3 x 1.5 mm² to 2.5 mm² rigid, multi-wire conductors
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 8–9 mm.
Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Screwless terminal, 5-pin

PA

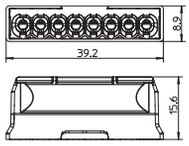


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 525 LGR	Light grey	100	0.300	**2054507**

Screwless terminal to connect single-strand cables.
Nominal cross-section:
5 x 0.5 mm² to 2.5 mm² single-wire cable
5 x 1.5 mm² to 2.5 mm² rigid, multi-wire cable
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 8–9 mm.
Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Screwless terminal, 8-pin

PA

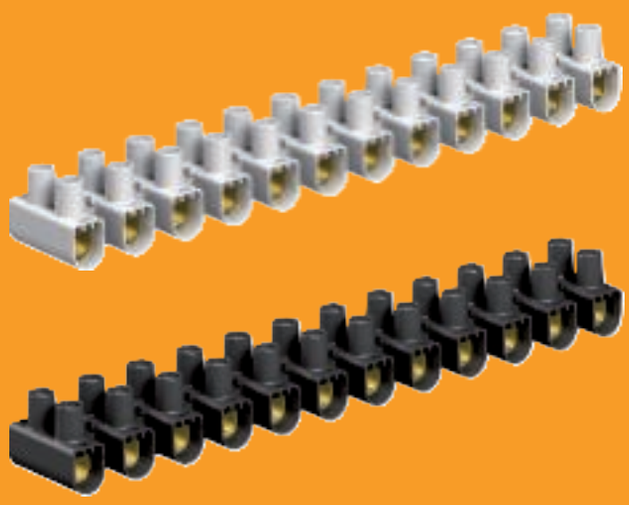


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
61 825 LGR	Light grey	50	0.490	**2054523**

Screwless terminal to connect single-strand cables.
Nominal cross-section:
8 x 0.5 mm² to 2.5 mm² single-wire cables
8 x 1.5 mm² to 2.5 mm² rigid, multi-wire cables
Rated voltage 450 V.
Rated current 24 A.
Stripping length: 8–9 mm.
Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Terminal strips

The branch terminal/terminal strip consists of an insulating plastic housing that serves as electric shock protection for the steel/brass terminal insert. Thus no voltage-carrying parts can be touched if the component is used correctly. The ends of wire strands must be inserted with wire end sleeves to ensure no mechanical damage can occur and rule out the risk of damage to individual strands from the clamping screw as it turns.



- Tested to EN 60998
- Brass terminals, bolts made of electrogalvanised steel
- 12-pin strips, separable into individual terminals through "twist'n'pull"
- Captive upwards screw
- Max. approved ambient temperature to EN 60998: –5 to +80 °C
- Nominal cross-section 4–35 mm²

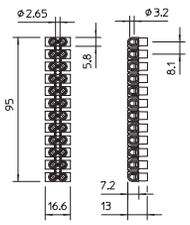
PP

4 mm²

4 mm² series connectors, polypropylene

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
72 CE WS/EKL 0 S	White	500	10	1.800	2056070

Tested according to EN 60998.
Steel terminals, steel screws, electrogalvanised, 12-pin, individual terminals detachable from strips using "twist'n'pull".
Captive upwards screw.
Max. approved ambient temperature to EN 60998: —5 to +80 °C.
Nominal cross-section 4 mm².
Nominal voltage 450 V.
Nominal current 32 A.
Max. attachment each side: 4 mm² single-wire or 2.5 mm² multi-wire/flexible.



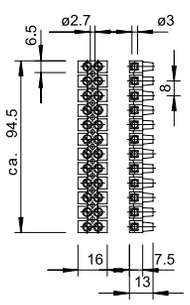
PA

4 mm²

4 mm² series connector, polyamide

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
72 VDE/EKL 0E PA	Transparent	500	10	2.000	2055929

Brass terminals, steel screws, galvanised and blue passivated, 12-pin, individual terminals detachable.
Captive upwards screw.
Nominal cross-section 4 mm².
Rated voltage 450 V.
Nominal current 32 A.
Max. attachment each side: 4 mm² single-wire or 2.5 mm² multi-wire.
Maximum approved ambient temperature to EN 60998: –5 to +85 °C.



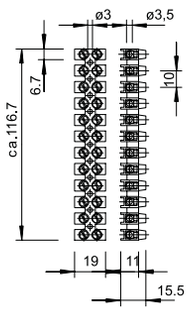
PA

4 mm²

Terminal strips, 4 mm², wire protection clamp, polyamide

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
74 D/EKL 1BEF2 D	Transparent	200	10	3.680	2056178

With wire protection clamp.
Tested according to EN 60998.
Brass terminals, steel screws, galvanised and blue passivated, 12-pin, individual terminals detachable.
Captive upwards screw.
Nominal cross-section 4 mm².
Nominal voltage 450 V.
Nominal current 32 A.
Max. attachment each side: 4 mm² single-wire or 4 mm² fine-wire.
Maximum approved ambient temperature to EN 60998: -5 to +85 °C.



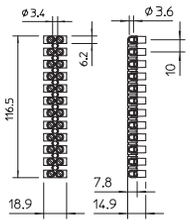
PP

6 mm²

6 mm² series connectors, polypropylene

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
74 CE WS/EKL 1 S	White	200	10	2.600	2056224

Tested according to EN 60998.
Steel terminals, steel screws, electrogalvanised, 12-pin, individual terminals detachable from strips using "twist'n'pull".
Captive upwards screw.
Max. approved ambient temperature to EN 60998: —5 to +80 °C.
Nominal cross-section 6 mm².
Nominal voltage 450 V.
Nominal current 41 A.
Max. connections on each side: 6 mm² single-wire or 4 mm² fine-wire.



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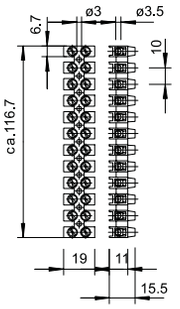
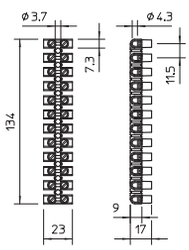
6 mm² series connectors, polyamide



Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
74 VDE/EKL 1BEF2	Transparent	200	10	3.580	**2056143**

Tested according to EN 60998.
Brass terminals, steel screws, galvanised and blue passivated, 12-pin, individual terminals detachable.
Captive upwards screw.
Nominal cross-section 6 mm².
Nominal voltage 450 V.
Nominal current 41 A.
Max. attachment each side: 6 mm² single-wire or 4 mm² fine-wire.
Maximum approved ambient temperature to EN 60998: –5 to +85 °C.

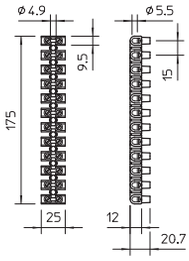
10 mm² series connectors, polypropylene



Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
76 CE WS/EKL 2 S	White	100	10	4.300	**2056372**

Tested to EN 60998.
Steel terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips using "twist'n'pull".
Captive upwards screw.
Max. approved ambient temperature to EN 60998: –5 to +80 °C.
Nominal cross-section 10 mm².
Nominal voltage 450 V.
Nominal current 57 A.
Max. attachment each side: 10 mm² single-wire or 6 mm² multi-wire/flexible.

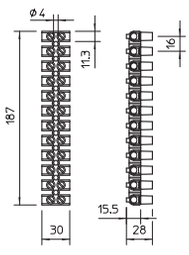
16 mm² series connectors, polypropylene



Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
78 CE WS/EKL 3 S	White	100	10	7.500	**2056550**

Tested to EN 60998.
Steel terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips using "twist'n'pull".
Captive upwards screw.
Max. approved ambient temperature to EN 60998: –5 to +80 °C.
Nominal cross-section 16 mm².
Nominal voltage 450 V.
Nominal current 76 A.
Max. attachment each side: 16 mm² single-wire or 10 mm² multi-wire or 6 mm² flexible.

25 mm² series connectors, polypropylene



Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
79 CE WS/EKL 4BE	White	50	10	11.200	**2056577**

Tested to EN 60998.
Brass terminals, steel screws, electrogalvanised and transparently passivated, 12-pole, individual terminals detachable from strips.
Captive upwards screw.
Max. approved ambient temperature to EN 60998: –5 to +80 °C.
Nominal cross-section 25 mm².
Nominal voltage 750 V.
Nominal current 101 A.
Max. attachment each side: 25 mm² multi-wire or 16 mm² fine-wire.

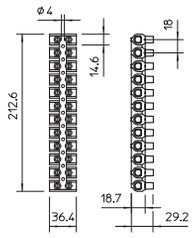
PP

35 mm²

35 mm² series connectors, polypropylene

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
80 CE WS/EKL 5E	White	50		10	17.400	**2056590**

Tested to EN 60998.
Brass terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips.
Captive upwards screw.
Max. approved ambient temperature to EN 60998: –5 to +80 °C.
Nominal cross-section 35 mm².
Nominal voltage 750 V.
Nominal current 125 A.
Max. attachment each side: 35 mm² multi-wire or 25 mm² fine-wire.



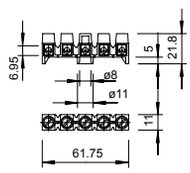
PA

960°

Terminal strip 2.5 mm²

Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. V		Pack Piece	Weight kg/100 pc.	Item no.
689	Natural	5	0.8 - 2.5	660		50	1.502	**2017342**

Brass terminal block, nickel plated, steel screws, electrogalvanised and transparently passivated, nominal cross section 0.8 ÷ 2.5 mm², nominal voltage 660 V, 5-pin, with socket terminals, max. connectable cross sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm², unused pins can be disconnected and used as individual terminals.



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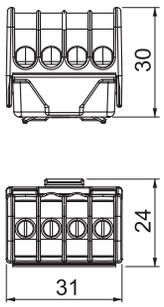
Always indicate the item number when ordering.

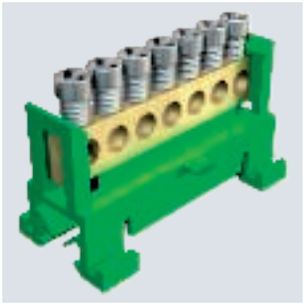
Protective conductor terminal, with screw contacts, 4 terminals

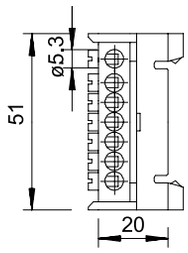


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
KL-DBS4x16GN	Green	10	1.980	2016250

Protective conductor connection terminal strip, brass, steel screws, electrogalvanised and transparently passivated, nominal cross-section 6 ÷ 16 mm², nominal voltage 400 V, 1-pole, with terminal sockets, max. connectable conductors per terminal 4 x 16 mm², 4 x 10 mm², 8 x 6 mm² or 12 x 4 mm².

Protection conductor terminals, with screw contacts, 7 terminals

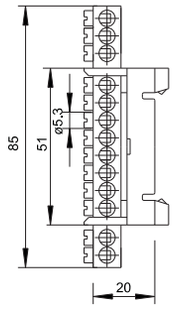




Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
60 S 7x16 GN	Green	10	2.900	2054019

Protective conductor connection terminal with 7 terminals up to 16 mm².
Clamping rail, brass, steel screws, electrogalvanised and transparently passivated, for snapping onto 35 x 7.5 mm hat profile rails to DIN EN 60715 (previously DIN EN 50022) (transverse) or flat rails 10 x 2–2.5 mm (lengthwise).

Protection conductor terminals, with screw contacts, 12 terminals



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
60 S 12x16 GN	Green	10	4.200	2054094

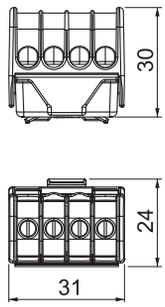
Protective conductor connection terminal with 7 terminals up to 16 mm².
Clamping rail, brass, steel screws, electrogalvanised and transparently passivated, for snapping onto 35 x 7.5 mm hat profile rails to DIN EN 60715 (previously DIN EN 50022) (transverse) or flat rails 10 x 2–2.5 mm (lengthwise).

PA

Neutral conductor terminal, with screw contacts, 4 terminals

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
KL-DBN4x16BL	Blue	10	1.980	2016255

Neutral conductor connection terminal, brass, steel screws, electrogalvanised and transparently passivated, nominal cross-section 6 ÷ 16 mm², nominal voltage 400 V, 1-pole, with terminal sockets, max. connectable conductors per terminal 4 x 16 mm², 4 x 10 mm², 8 x 6 mm² or 12 x 4 mm².

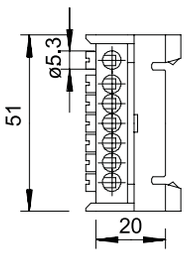


PA

Neutral conductor terminals, with screw contacts, 7 terminals

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
60 N 7x16 BL	Blue	10	2.900	2054000

Neutral conductor connection terminal with 7 terminals up to 16 mm².
Clamping rail, brass, steel screws, electrogalvanised and transparently passivated, for snapping onto 35 mm hat rails to DIN EN 60715 - previously DIN EN 50022 - (transverse) or flat rails 10 x 2-2.5 mm (lengthwise).

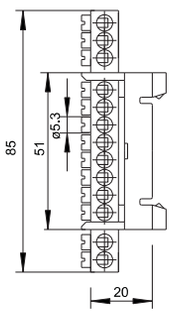


PA

Neutral conductor terminals, with screw contacts, 12 terminals

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
60 N 12x16 BL	Blue	10	4.200	2054086

Neutral conductor connection terminal with 12 terminals up to 16 mm².
Clamping rail, brass, steel screws, electrogalvanised and transparently passivated, for snapping onto 35 mm hat rails to DIN EN 60715 - previously DIN EN 50022 - (transverse) or flat rails 10 x 2-2.5 mm (lengthwise).



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Always indicate the item number when ordering.

Cable glands

Cable glands

Cap nut cable glands 200

Cone cable glands 226

Cable glands 230

Individual parts 232

Penetrations 242

Accessories, cable glands 246

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Cable glands V-TEC VM and V-TEC VM L

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO.

- Fast and convenient means of cable entry for junction boxes and housings
- With the integrated sealing lip and the special OBO lamella technology, protection class IP68 is achieved
- Strain relief and tightness have been tested to DIN EN 62444
- The connecting threads are metric and are therefore suitable for universal use
- Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet
- Temperature range: –20 °C to +65 °C

PA

IP 68 M

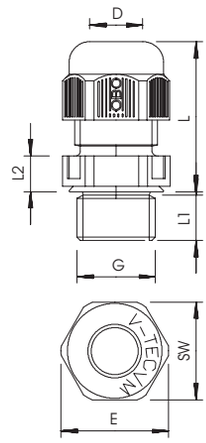
Cap nut cable gland, metric thread, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12 LGR	Light grey	500	50	0.318	**2022862**
V-TEC VM16 LGR	Light grey	500	50	0.638	**2022864**
V-TEC VM20 LGR	Light grey	600	50	0.856	**2022866**
V-TEC VM25 LGR	Light grey	300	25	1.360	**2022868**
V-TEC VM32 LGR	Light grey	240	20	2.235	**2022870**
V-TEC VM40 LGR	Light grey	120	10	3.467	**2022872**
V-TEC VM50 LGR	Light grey	60	5	5.466	**2022874**
V-TEC VM63 LGR	Light grey	60	5	8.306	**2022876**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: from private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC VM12 LGR	M12 x 1,5	3.5-7	15	16.5	18.5	23.5	8	5	2
V-TEC VM16 LGR	M16 x 1,5	4.5-10	20	22	21.5	23.5	8	5	2
V-TEC VM20 LGR	M20 x 1,5	6-13	24	27	23.5	30.5	9	5	3.8
V-TEC VM25 LGR	M25 x 1,5	9-17	29	32	26	35	10	6	5
V-TEC VM32 LGR	M32 x 1,5	15-21	36	41	29	40	11	6	7.5
V-TEC VM40 LGR	M40 x 1,5	16-28	44	50	36	46	11	7	10
V-TEC VM50 LGR	M50 x 1,5	23-35	54	60	43	52	12	8	12
V-TEC VM63 LGR	M63 x 1,5	36-48	67	75	48	60	12	9	15

Dimensions



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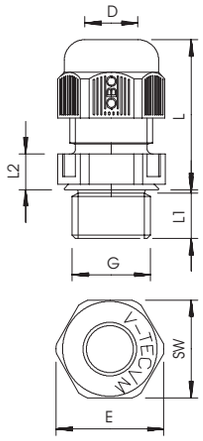
Cap nut cable gland, metric thread, black

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12 SW	Black	500	50	0.318	**2022883**
V-TEC VM16 SW	Black	500	50	0.638	**2022885**
V-TEC VM20 SW	Black	600	50	0.856	**2022887**
V-TEC VM25 SW	Black	300	25	1.360	**2022889**
V-TEC VM32 SW	Black	240	20	2.230	**2022891**
V-TEC VM40 SW	Black	120	10	3.467	**2022893**
V-TEC VM50 SW	Black	60	5	5.466	**2022895**
V-TEC VM63 SW	Black	60	5	8.306	**2022897**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: from private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC VM12 SW	M12 x 1,5	3.5 - 7	15	16.5	18.5	23.5	8	5	2
V-TEC VM16 SW	M16 x 1,5	4.5 - 10	20	22	21.5	29	8	5	2
V-TEC VM20 SW	M20 x 1,5	6 - 13	24	27	23.5	30.5	9	5	3.8
V-TEC VM25 SW	M25 x 1,5	9 - 17	29	32	26	35	10	6	5
V-TEC VM32 SW	M32 x 1,5	15 - 21	36	41	29	40	11	6	7.5
V-TEC VM40 SW	M40 x 1,5	16 - 28	44	50	36	46	11	7	10
V-TEC VM50 SW	M50 x 1,5	23 - 35	54	60	43	52	12	8	12
V-TEC VM63 SW	M63 x 1,5	36 - 48	67	75	48	60	12	9	15

PA

IP 68 M

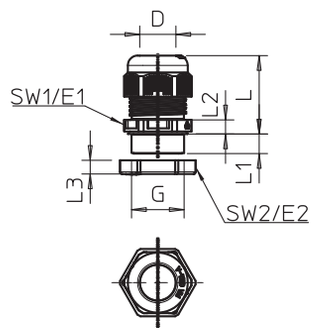
Cap nut cable gland, metric thread, set with lock nut, light grey

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12+ LGR	Light grey	600		50	0.337	**2022762**
V-TEC VM16+ LGR	Light grey	500		50	0.795	**2022764**
V-TEC VM20+ LGR	Light grey	600		50	1.106	**2022766**
V-TEC VM25+ LGR	Light grey	300		25	1.710	**2022768**
V-TEC VM32+ LGR	Light grey	240		20	2.840	**2022770**
V-TEC VM40+ LGR	Light grey	120		10	5.150	**2022772**
V-TEC VM50+ LGR	Light grey	60		5	6.356	**2022774**
V-TEC VM63+ LGR	Light grey	60		5	10.136	**2022776**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Type	Thread	Sealing range D mm	SW 1 mm	SW 2 mm	Dim. E1 mm	Dim. E2 mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm	Installation torque Nm
V-TEC VM12+ LGR	M12 x 1,5	3.5-7	15	17	16.5	19	18.5	23.5	8	5	5	2
V-TEC VM16+ LGR	M16 x 1,5	4.5-10	20	22	22	25	21.5	23.5	8	5	5	2
V-TEC VM20+ LGR	M20 x 1,5	6-13	24	24	27	27	23.5	30.5	9	5	6	3.8
V-TEC VM25+ LGR	M25 x 1,5	9-17	29	32	32	36	26	35	10	6	6.5	5
V-TEC VM32+ LGR	M32 x 1,5	15-21	36	41	41	46	29	40	11	6	7	7.5
V-TEC VM40+ LGR	M40 x 1,5	16-28	44	50	50	56	36	46	11	7	7.5	10
V-TEC VM50+ LGR	M50 x 1,5	23-35	54	60	60	68	43	52	12	8	8	12
V-TEC VM63+ LGR	M63 x 1,5	36-48	68	75	75	83	48	60	12	9	8.5	15

Dimensions



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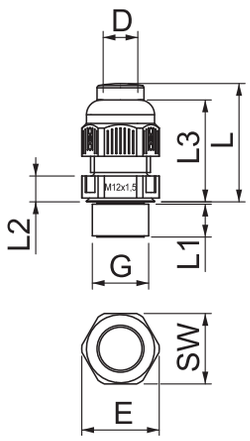
Cap nut cable gland, metric thread with screw plug, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12VS LGR	Light grey	500	50	0.360	**2023040**
V-TEC VM16VS LGR	Light grey	500	50	0.730	**2023042**
V-TEC VM20VS LGR	Light grey	600	50	0.990	**2023044**
V-TEC VM25VS LGR	Light grey	300	25	1.550	**2023046**
V-TEC VM32VS LGR	Light grey	240	20	2.480	**2023048**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm
V-TEC VM12VS LGR	M12 x 1,5	3.5 - 7	15	16.5	21.5	23.5	8	5
V-TEC VM16VS LGR	M16 x 1,5	4.5 - 10	20	22	25.5	23.5	8	5
V-TEC VM20VS LGR	M20 x 1,5	6 - 13	24	27	28	30.5	9	5
V-TEC VM25VS LGR	M25 x 1,5	9 - 17	29	32	30.5	35	10	6
V-TEC VM32VS LGR	M32 x 1,5	15 - 21	36	41	29	40	11	6

PA

IP 68 M UV RESISTANT

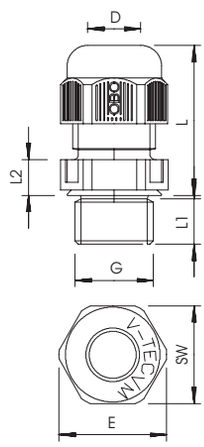
Cap nut cable gland, metric thread, UV-resistant, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12UV LGR	Light grey	500	50	0.319	**2022900**
V-TEC VM16UV LGR	Light grey	500	50	0.590	**2022901**
V-TEC VM20UV LGR	Light grey	600	50	0.590	**2022902**
V-TEC VM25UV LGR	Light grey	300	25	1.360	**2022903**
V-TEC VM32UV LGR	Light grey	240	20	2.235	**2022904**
V-TEC VM40UV LGR	Light grey	120	10	3.496	**2022905**
V-TEC VM50UV LGR	Light grey	60	5	5.480	**2022906**
V-TEC VM63UV LGR	Light grey	60	5	8.328	**2022907**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Type	Thread	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm
V-TEC VM12UV LGR	M12 x 1,5	15	16.5	18.5	23.5	8	5
V-TEC VM16UV LGR	M16 x 1,5	20	22	21.5	23.5	8	5
V-TEC VM20UV LGR	M20 x 1,5	24	27	23.5	30.5	9	5
V-TEC VM25UV LGR	M25 x 1,5	29	32	26	35	10	6
V-TEC VM32UV LGR	M32 x 1,5	36	41	29	40	11	6
V-TEC VM40UV LGR	M40 x 1,5	44	50	36	46	11	7
V-TEC VM50UV LGR	M50 x 1,5	54	54	43	52	12	8
V-TEC VM63UV LGR	M63 x 1,5	67	75	48	60	12	9

Dimensions



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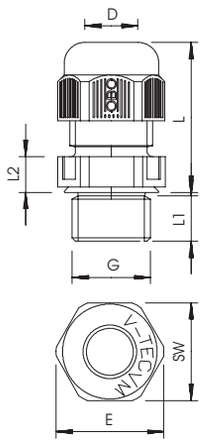
Cap nut cable gland, metric thread, long, light grey

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM L12 LGR	Light grey	500		50	0.392	**2022943**
V-TEC VM L16 LGR	Light grey	500		50	0.727	**2022945**
V-TEC VM L20 LGR	Light grey	600		50	0.883	**2022947**
V-TEC VM L25 LGR	Light grey	300		25	1.597	**2022949**
V-TEC VM L32 LGR	Light grey	240		20	2.047	**2022951**
V-TEC VM L40 LGR	Light grey	120		10	3.168	**2022953**
V-TEC VM L50 LGR	Light grey	60		5	5.010	**2022955**
V-TEC VM L63 LGR	Light grey	60		5	7.390	**2022957**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC VM L12 LGR	M12x1,5	3.5-7	15	16.5	17.5	24	15	5	2
V-TEC VM L16 LGR	M16x1,5	4.5-10	20	22	20.5	29.5	15	5	2.5
V-TEC VM L20 LGR	M20x1,5	6-13	24	27	22.5	32.5	15	5	3.75
V-TEC VM L25 LGR	M25x1,5	9-17	29	32	25.5	36	15	6	5
V-TEC VM L32 LGR	M32x1,5	15-21	36	41	28	40	15	6	7.5
V-TEC VM L40 LGR	M40x1,5	16-28	44	50	32	46	18	7	10
V-TEC VM L50 LGR	M50x1,5	23-35	54	60	37.5	54.3	18	8	12
V-TEC VM L63 LGR	M63x1,5	36-48	68	75	41.5	60.3	18	9	12

PA

IP 68 | M

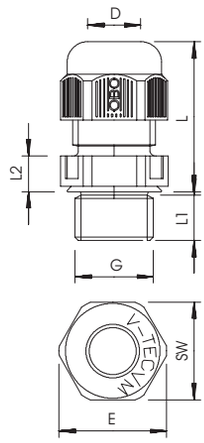
Cap nut cable gland, metric thread, long, black

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM L12 SW	Black	500	50	0.392	**2022964**
V-TEC VM L16 SW	Black	500	50	0.727	**2022966**
V-TEC VM L20 SW	Black	600	50	0.883	**2022968**
V-TEC VM L25 SW	Black	300	25	1.597	**2022970**
V-TEC VM L32 SW	Black	240	20	2.047	**2022972**
V-TEC VM L40 SW	Black	120	10	3.168	**2022974**
V-TEC VM L50 SW	Black	60	5	5.010	**2022976**
V-TEC VM L63 SW	Black	60	5	7.390	**2022978**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC VM L12 SW	M12x1,5	3.5-7	15	16.5	17.5	24	15	5	2
V-TEC VM L16 SW	M16x1,5	4.5-10	20	22	20.5	29.5	15	5	2.5
V-TEC VM L20 SW	M20x1,5	6-13	24	27	22.5	32.5	15	5	3.75
V-TEC VM L25 SW	M25x1,5	9-17	29	32	25.5	36	15	6	5
V-TEC VM L32 SW	M32x1,5	15-21	36	41	28	40	15	6	7.5
V-TEC VM L40 SW	M40x1,5	16-28	44	50	32	46	18	7	10
V-TEC VM L50 SW	M50x1,5	23-35	54	60	37.5	54.3	18	8	12
V-TEC VM L63 SW	M63x1,5	36-48	68	75	41.5	60.3	18	9	12

Dimensions



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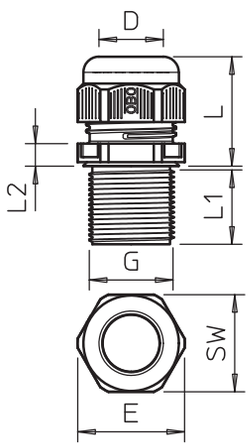
Cap nut cable gland, metric thread, extra long, black

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM LL16 SW	Black	500		50	0.800	**2022985**
V-TEC VM LL20 SW	Black	600		50	1.000	**2022987**
V-TEC VM LL25 SW	Black	300		25	1.700	**2022989**
V-TEC VM LL32 SW	Black	240		20	2.200	**2022991**
V-TEC VM LL40 SW	Black	120		10	2.200	**2022993**
V-TEC VM LL50 SW	Black	60		5	5.500	**2022995**
V-TEC VM LL63 SW	Black	60		5	7.500	**2022997**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection threads are metric. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC VM LL16 SW	M16x1,5	4.5-10	20	22	20.5	29.5	24	5	2.5
V-TEC VM LL20 SW	M20x1,5	6-13	24	27	22.5	32.5	24	5	3.75
V-TEC VM LL25 SW	M25x1,5	9-17	29	32	25.5	36	24	6	5
V-TEC VM LL32 SW	M32x1,5	15-21	36	41	28	40	24	6	7.5
V-TEC VM LL40 SW	M40x1,5	16-28	44	50	36	46	24	7	10
V-TEC VM LL50 SW	M50x1,5	23-35	54	60	37.5	54.3	24	8	12
V-TEC VM LL63 SW	M63x1,5	36-48	68	75	41.5	60.3	24	9	12

Separable cable glands

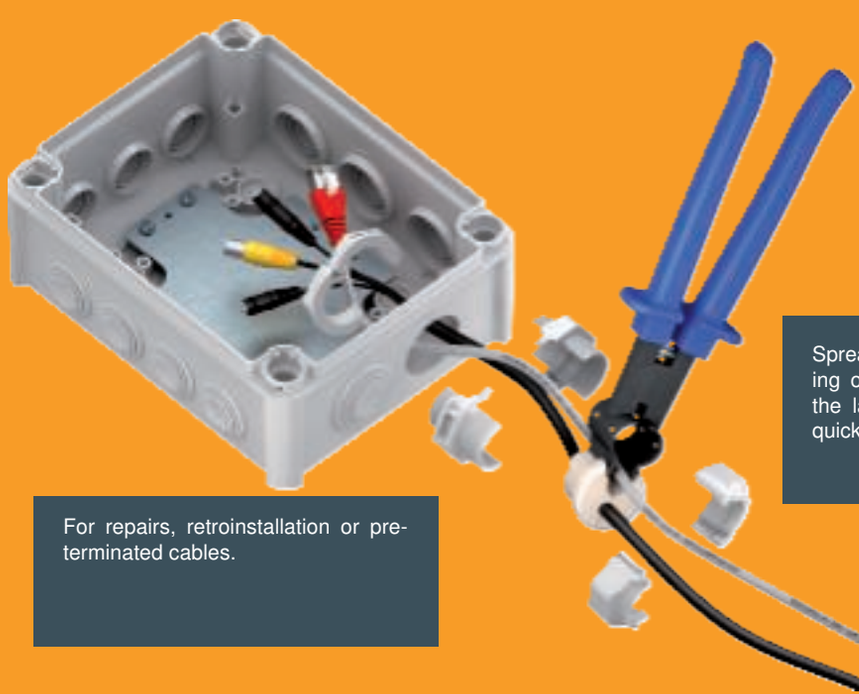
The separable cable gland allows easy and quick installation, for example, of pre-terminated cables with connectors. In an existing installation, a missing or defective cable gland can be replaced or supplemented without dismantling and interruption.

M20

M25

M30

IP 67



For repairs, retroinstallation or pre-terminated cables.

Spreading pliers for the best opening of the sealing inserts – making the laying of each cable easy and quick.

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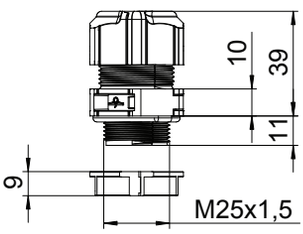
Divisible cable gland, seal insert enclosed, light grey

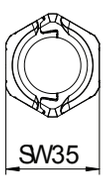
PC
IP 67 M M25 650° UV RESISTANT

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB25	Light grey	50	5	3.440	**2024910**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Dimensions





Type	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm
V-TEC TB25	35	39	31.5	40	11	10

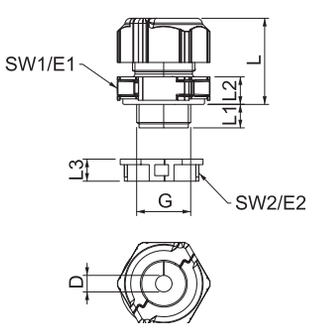
Divisible cable gland, seal insert, 1 cable, light grey

PC
IP 67 M M20 650° UV RESISTANT

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB20 06-08	Light grey	50	5	2.133	**2024942**
V-TEC TB20 08-10	Light grey	50	5	2.063	**2024944**
V-TEC TB20 09-13	Light grey	50	5	1.973	**2024946**
V-TEC TB20 11-14	Light grey	50	5	1.853	**2024948**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Dimensions



Type	Sealing range D mm	SW 1 mm	SW 2 mm	Dim. L1 mm	Dim. L2 mm	Dim. L mm
V-TEC TB20 06-08	6 - 8	30	27	10	8.5	30
V-TEC TB20 08-10	8 - 10.5	30	27	10	8.5	30
V-TEC TB20 09-13	9 - 13	30	27	10	8.5	30
V-TEC TB20 11-14	11.5 - 14.5	30	27	10	8.5	30

PC

IP 67 | M | M25 | Halogen-free | 650° | UV resistant

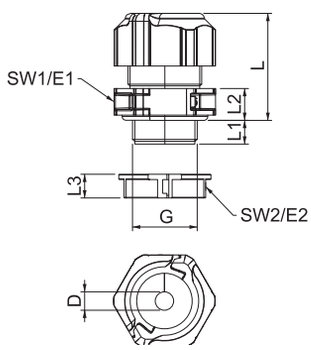
Divisible cable gland, seal insert, 1 cable, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB25 06-09	Light grey	50	5	2.900	**2024912**
V-TEC TB25 09-11	Light grey	50	5	2.900	**2024913**
V-TEC TB25 11-13	Light grey	50	5	3.110	**2024916**
V-TEC TB25 12-15	Light grey	50	5	2.980	**2024919**
V-TEC TB25 14-18	Light grey	50	5	2.510	**2024922**
V-TEC TB25 18-20	Light grey	50	5	2.290	**2024925**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Type	Sealing range D mm	SW 1 mm	SW 2 mm	Dim. L1 mm	Dim. L2 mm	Dim. L mm
V-TEC TB25 06-09	6-7.5	35	31	11	10	41
V-TEC TB25 09-11	9-11	35	31	11	10	41
V-TEC TB25 11-13	11-13	35	31	11	10	41
V-TEC TB25 12-15	12-15	35	31	11	10	41
V-TEC TB25 14-18	14-18	35	31	11	10	41
V-TEC TB25 18-20	18-20	35	31	11	10	41

Dimensions



PC

IP 67 | M | M32 | Halogen-free | 650° | UV resistant

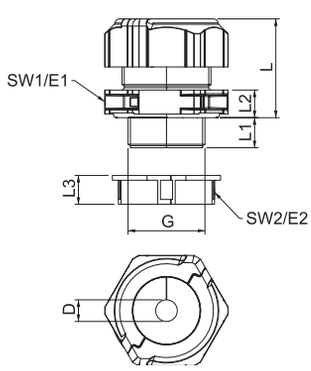
Divisible cable gland, seal insert, 1 cable, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB32 09-13	Light grey	60	5	7.416	**2024972**
V-TEC TB32 11-15	Light grey	60	5	7.246	**2024974**
V-TEC TB32 14-18	Light grey	60	5	7.069	**2024976**
V-TEC TB32 17-20	Light grey	60	5	7.156	**2024978**
V-TEC TB32 20-25	Light grey	60	5	6.396	**2024980**
V-TEC TB32 24-26	Light grey	60	5	6.026	**2024982**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Type	Sealing range D mm	SW 1 mm	SW 2 mm	Dim. L1 mm	Dim. L2 mm	Dim. L mm
V-TEC TB32 09-13	9-13	46	40	14	10	41
V-TEC TB32 11-15	11.5-15.5	46	40	14	10	41
V-TEC TB32 14-18	14-18	46	40	14	10	41
V-TEC TB32 17-20	17-20.5	46	40	14	10	41
V-TEC TB32 20-25	20-25	46	40	14	10	41
V-TEC TB32 24-26	24-26.5	46	40	14	10	41

Dimensions



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Always indicate the item number when ordering.

Separable cable gland, sealing insert, multiple, light grey

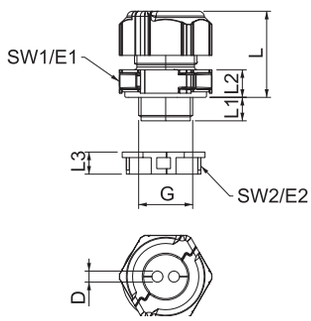
PC

IP 67 | M | M20 | halogen-free | 650° | UV resistant

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB20 2x4	Light grey	50	5	2.187	**2024950**
V-TEC TB20 2x5	Light grey	50	5	2.153	**2024952**
V-TEC TB20 2x6	Light grey	50	5	2.113	**2024954**
V-TEC TB20 4x4	Light grey	50	5	2.123	**2024956**
V-TEC TB20 6x4	Light grey	50	5	2.083	**2024958**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Dimensions



Type	Number of drill holes	Dim. D mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. E1 mm	SW 1 mm
V-TEC TB20 2x4	2	4	24.5	30.5	10	8.5	33.5	30
V-TEC TB20 2x5	2	5	24.5	30.5	10	8.5	33.5	30
V-TEC TB20 2x6	2	6	24.5	30.5	10	8.5	33.5	30
V-TEC TB20 4x4	4	4	24.5	30.5	10	8.5	33.5	30
V-TEC TB20 6x4	6	4	24.5	30.5	10	8.5	33.5	30

Separable cable gland, sealing insert, multiple, light grey

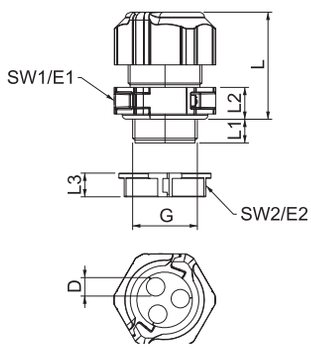
PC

IP 67 | M | M25 | halogen-free | 650° | UV resistant

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB25 3x7	Light grey	50	5	2.449	**2024927**
V-TEC TB25 3x9	Light grey	50	5	2.640	**2024928**
V-TEC TB25 4x5	Light grey	50	5	2.539	**2024929**
V-TEC TB25 4x6	Light grey	50	5	2.439	**2024930**
V-TEC TB25 4x8	Light grey	50	5	2.950	**2024931**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Dimensions



Type	Number of drill holes	Dim. D mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. E1 mm	SW 1 mm
V-TEC TB25 3x7	3	7	31.5	40	11	10	39	35
V-TEC TB25 3x9	3	9	31.5	40	11	10	39	35
V-TEC TB25 4x5	4	5	31.5	40	11	10	39	35
V-TEC TB25 4x6	4	6	31.5	40	11	10	39	35
V-TEC TB25 4x8	4	8	31.5	40	11	10	39	35

PC

IP 67 | M | M32 | Fluid resistant | 650° | UV resistant

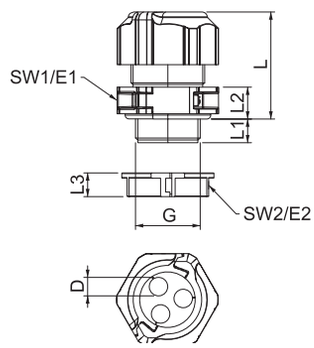
Separable cable gland, sealing insert, multiple, light grey

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TB32 2x11	Light grey	60		5	7.196	**2024984**
V-TEC TB32 3x9	Light grey	60		5	7.196	**2024986**
V-TEC TB32 3x11	Light grey	60		5	7.196	**2024988**
V-TEC TB32 4x8	Light grey	60		5	7.211	**2024990**
V-TEC TB32 6x6	Light grey	60		5	7.284	**2024992**

The splittable cable gland V-TEC TB.. ensures - like all V-TEC glands - a secure sealing of the cable. The installation of pre-terminated cables or function cables, for example, is easy and quick, thanks to the splitting of the cable gland.
The V-TEC TB is also unbeatable when refitting an existing installation and as a "repair gland". There is no need to disassemble pre-mounted cables, it can be installed without interrupting the production process.

Type	Number of drill holes	Dim. D mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	SW 1 mm	Dim. E1 mm
V-TEC TB32 2x11	2	11	32	41	14	10	46	51.5
V-TEC TB32 3x9	3	9	32	41	14	10	46	51.5
V-TEC TB32 3x11	3	11	32	41	14	10	46	51.5
V-TEC TB32 4x8	4	8	32	41	14	10	46	51.5
V-TEC TB32 6x6	6	6	32	41	14	10	46	51.5

Dimensions



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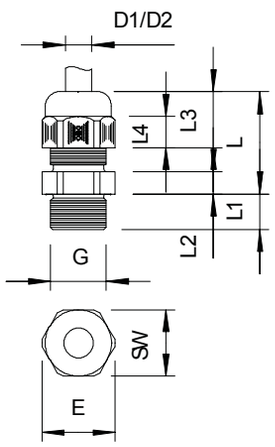
Always indicate the item number when ordering.

Cap nut cable gland, PG thread, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC PG7 LGR	Light grey	500	50	0.410	**2024705**
V-TEC PG9 LGR	Light grey	500	50	0.630	**2024713**
V-TEC PG11 LGR	Light grey	500	50	0.890	**2024721**
V-TEC PG13 LGR	Light grey	400	50	1.020	**2024748**
V-TEC PG16 LGR	Light grey	250	25	1.380	**2024756**
V-TEC PG21 LGR	Light grey	300	25	2.290	**2024764**
V-TEC PG29 LGR	Light grey	240	20	4.020	**2024772**
V-TEC PG36 LGR	Light grey	120	10	6.030	**2024780**
V-TEC PG42 LGR	Light grey	60	5	7.650	**2024799**
V-TEC PG48 LGR	Light grey	60	5	9.460	**2024802**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection thread is a PG thread. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Installation torque Nm
V-TEC PG7 LGR	Pg 7	2.5-6.5	15	16.5	18	23	8	5	1.67
V-TEC PG9 LGR	Pg 9	2.5-8	19	21	21	27	8	5	2.5
V-TEC PG11 LGR	Pg 11	3.5-10	22	25	22	29	8	5	2.5
V-TEC PG13 LGR	Pg 13,5	5-12	24	27	23	30	9	5	2.5
V-TEC PG16 LGR	Pg 16	7-14	27	30	25	33	10	6	3.67
V-TEC PG21 LGR	Pg 21	9-18	33	37.5	28	38	11	6	5
V-TEC PG29 LGR	Pg 29	14-25	42	47.5	32	43	11	7	5
V-TEC PG36 LGR	Pg 36	18-32	53	60	39	54	13	8	5
V-TEC PG42 LGR	Pg 42	24-38	60	68	42	57	13	9	5
V-TEC PG48 LGR	Pg 48	30-44	65	74	42	58	14	9	5

PA

IP 68 Pg

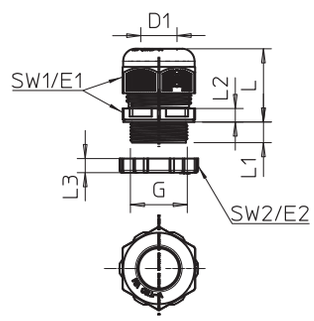
Cap nut cable gland, PG thread, set with lock nut, light grey

Type	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC PG7+ LGR	Light grey	600		50	0.503	**2024655**
V-TEC PG9+ LGR	Light grey	500		50	0.799	**2024657**
V-TEC PG11+ LGR	Light grey	500		50	1.074	**2024659**
V-TEC PG13,5+LGR	Light grey	400		50	1.276	**2024661**
V-TEC PG16+ LGR	Light grey	250		25	1.705	**2024663**
V-TEC PG21+ LGR	Light grey	300		25	2.756	**2024665**
V-TEC PG29+ LGR	Light grey	240		20	5.120	**2024667**
V-TEC PG36+ LGR	Light grey	120		10	7.713	**2024669**
V-TEC PG42+ LGR	Light grey	60		5	9.406	**2024671**
V-TEC PG48+ LGR	Light grey	60		5	11.290	**2024673**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection thread is a PG thread. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Type	Thread	Sealing range D mm	SW 1 mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L3 mm	Dim. L2 mm
V-TEC PG7+ LGR	Pg 7	2.5-6.5	15	18	23	8	5	5
V-TEC PG9+ LGR	Pg 9	2.5-8	19	21	27	8	5	5
V-TEC PG11+ LGR	Pg 11	3.5-10	22	22	29	8	5	5
V-TEC PG13,5+LGR	Pg 13,5	5-12	24	23	30	9	6	5
V-TEC PG16+ LGR	Pg 16	7-14	27	25	33	10	6	6
V-TEC PG21+ LGR	Pg 21	9-18	33	28	38	11	7	6
V-TEC PG29+ LGR	Pg 29	14-25	42	32	43	11	7	7
V-TEC PG36+ LGR	Pg 36	18-32	53	39	54	13	8	8
V-TEC PG42+ LGR	Pg 42	24-38	60	42	57	13	6	9
V-TEC PG48+ LGR	Pg 48	30-44	65	42	58	14	8	9

Dimensions



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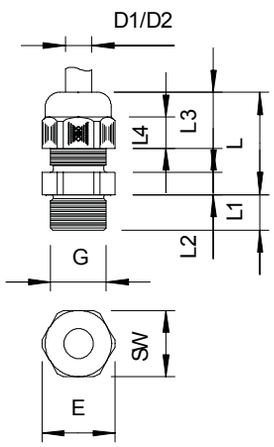
Always indicate the item number when ordering.

Cap nut cable gland, PG thread, long, light grey

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
V-TEC L PG7 LGR	Light grey	500	50	0.410	**2024284**
V-TEC L PG9 LGR	Light grey	500	50	0.670	**2024292**
V-TEC L PG11 LGR	Light grey	500	50	0.930	**2024306**
V-TEC L PG13 LGR	Light grey	600	50	1.090	**2024314**
V-TEC L PG16 LGR	Light grey	250	25	1.490	**2024322**
V-TEC L PG21 LGR	Light grey	300	25	2.330	**2024330**
V-TEC L PG29 LGR	Light grey	240	20	3.860	**2024349**
V-TEC L PG36 LGR	Light grey	120	10	7.750	**2024357**
V-TEC L PG42 LGR	Light grey	60	5	10.070	**2024365**

The quickest and most convenient way of providing strain relief and tightness with cable glands on junction boxes and housings is with the tried-and-trusted V-TEC VM cable glands from OBO. A protection rating of IP68 is achieved through the integrated sealing lip and the special OBO slat technology. Strain relief and tightness have been tested to DIN EN 62444. The connection thread is a PG thread. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.
Temperature range: –20 °C to +65 °C.

Dimensions



Type	Thread	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm
V-TEC L PG7 LGR	Pg 7	2.5-6.5	15	16.5	18	23	15	5
V-TEC L PG9 LGR	Pg 9	2.5-8	19	21	21	27	15	5
V-TEC L PG11 LGR	Pg 11	3.5-10	22	25	22	29	15	5
V-TEC L PG13 LGR	Pg 13,5	5-12	24	27	23	30	15	5
V-TEC L PG16 LGR	Pg 16	7-14	27	30	25	33	15	6
V-TEC L PG21 LGR	Pg 21	9-18	33	37.5	28	38	15	6
V-TEC L PG29 LGR	Pg 29	14-25	42	47.5	32	43	15	7
V-TEC L PG36 LGR	Pg 36	18-32	53	60	39	54	18	8
V-TEC L PG42 LGR	Pg 42	24-38	60	68	42	57	18	9

PA

IP 68 M

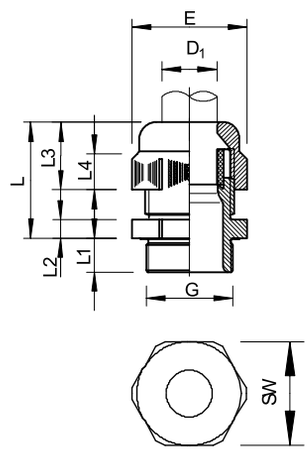
Cap nut cable gland, EX area, metric thread, black

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VTEC EX M12 SW	Black	50	0.360	**2050307**
VTEC EX M16 SW	Black	50	0.630	**2050315**
VTEC EX M20 SW	Black	50	0.891	**2050323**
VTEC EX M25 SW	Black	25	2.350	**2050331**
VTEC EX M32 SW	Black	20	3.900	**2050358**
VTEC EX M40 SW	Black	10	7.500	**2050366**
VTEC EX M50 SW	Black	5	9.200	**2050374**
VTEC EX M63 SW	Black	5	9.460	**2050382**

Cable gland with EG design type approval certificate for products and protection systems for use in accordance with the regulations in explosion-hazard area. Directive 94/9/EC.
EC design type approval certificate number: PTB 99 ATEX 3112X and ... 3113X.
With metric connecting thread to IEC 423.
Robust cap-nut cable gland with large sealing area, strain relief and torsion protection for high sealing requirements.
Sealing ring of chloroprene/nitrile rubber, moulded sealing, so no connection thread sealing ring needed. Tested to VDE standards.
Protection IP 68 at 5 bar.

Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
VTEC EX M12 SW	3.5-6.5	15	16.5	18	23	8	5	12.6
VTEC EX M16 SW	5-8	19	21	21	27	8	5	15.5
VTEC EX M20 SW	7-12	24	27	23	30	9	5	18
VTEC EX M25 SW	12-18	33	37.5	28	38	11	6	22
VTEC EX M32 SW	17-25	42	47.5	32	43	11	7	24.5
VTEC EX M40 SW	21-32	53	60	39	54	13	8	31
VTEC EX M50 SW	24-37	60	68.5	42	57	13	9	32.5
VTEC EX M63 SW	30-44	65	74	42	58	14	9	33

Dimensions



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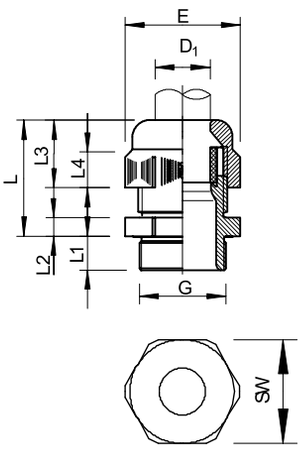
Cap nut cable gland, EX area, PG thread, black

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VTEC EX PG7 SW	Black	50	0.410	**2050005**
VTEC EX PG9 SW	Black	50	0.630	**2050013**
VTEC EX PG11 SW	Black	50	0.890	**2050021**
VTEC EX PG13.5SW	Black	50	1.020	**2050048**
VTEC EX PG16 SW	Black	25	1.380	**2050056**
VTEC EX PG21 SW	Black	25	2.290	**2050064**
VTEC EX PG29 SW	Black	20	4.020	**2050072**
VTEC EX PG36 SW	Black	10	6.030	**2050080**
VTEC EX PG42 SW	Black	5	7.650	**2050099**
VTEC EX PG48 SW	Black	5	9.460	**2050102**

Cable gland with EG design type approval certificate for products and protection systems for use in accordance with the regulations in explosion-hazard area. Directive 94/9/EC.
EC design type approval certificate number: PTB 99 ATEX 3112X and ... 3113X.
With PG connection thread according to IEC 423.
Robust cap-nut cable gland with large sealing area, as well as strain relief and torsion protection for high sealing demands.
Sealing ring of chloroprene/nitrile rubber, moulded sealing, so no connection thread sealing ring needed, VDE-tested.
Protection rating IP 68 at 5 bar.

Dimensions



Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
VTEC EX PG7 SW	3.5-6.5	15	16.5	18	23	8	5	12.6
VTEC EX PG9 SW	5-8	19	21	21	27	8	5	17
VTEC EX PG11 SW	4.5-10	22	25	22	29	8	5	17
VTEC EX PG13.5SW	6.5-12	24	27	23	30	9	5	18
VTEC EX PG16 SW	7-14	27	30	25	33	10	6	19
VTEC EX PG21 SW	12-18	33	37.5	28	38	11	6	22
VTEC EX PG29 SW	17-25	42	47.5	32	43	11	7	24.5
VTEC EX PG36 SW	21-32	53	60	39	54	13	8	31
VTEC EX PG42 SW	24-38	60	68.5	42	57	13	9	32.5
VTEC EX PG48 SW	30-44	65	74	42	58	14	9	33

PA

IP 68 Pg 750° Ex

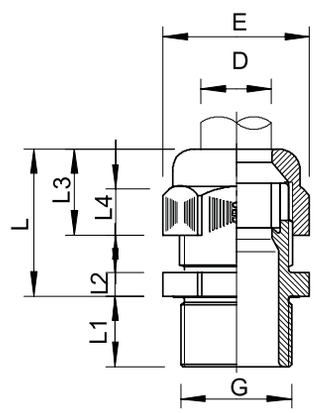
Cap nut cable gland, EX area, PG thread, long, black

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
VTEC EXL PG9 SW	Black	50	0.670	**2050145**
VTEC EXL PG11 SW	Black	50	0.930	**2050153**
VTEC EXL PG13 SW	Black	50	1.090	**2050161**
VTEC EXL PG16 SW	Black	25	1.490	**2050188**
VTEC EXL PG21 SW	Black	25	2.330	**2050196**

Cable gland with EG design type approval certificate for products and protection systems for use in accordance with the regulations in potentially explosive areas.
Directive 94/9/EC EC design type approval certificate number: PTB 99 ATEX 3112X and... 3113X.
Robust cap-nut cable gland with large sealing area, as well as strain relief and torsion protection for high sealing demands.
Sealing ring of chloroprene/nitrile rubber, tapered sealing lips, so no connection thread sealing ring is needed. Tested to VDE standards
Protection IP 68 at 5 bar.

Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
VTEC EXL PG9 SW	5-8	19	21	21	27	15	5	15.5
VTEC EXL PG11 SW	4.5-10	22	25	22	29	15	5	17
VTEC EXL PG13 SW	6.5-12	24	27	23	30	15	5	18
VTEC EXL PG16 SW	7-14	27	30	25	33	15	6	19
VTEC EXL PG21 SW	12-18	33	37.5	28	38	15	6	22

Dimensions



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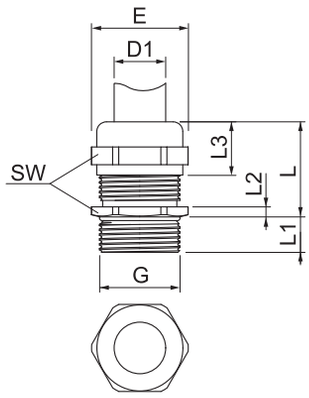
Cap nut cable gland, metric thread, silver grey, long, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM LM12 MS	Brass		50	1.300	**2086111**
V-TEC VM LM16 MS	Brass		50	2.059	**2086117**
V-TEC VM LM20 MS	Brass		25	3.360	**2086123**
V-TEC VM LM25 MS	Brass		25	4.800	**2086129**
V-TEC VM LM32 MS	Brass		10	9.150	**2086135**
V-TEC VM LM40 MS	Brass		5	13.400	**2086141**
V-TEC VM LM50 MS	Brass		5	24.000	**2086147**
V-TEC VM LM63 MS	Brass		5	32.100	**2086153**
V-TEC VM LM75MS1	Brass		3	112.300	**2086156**
V-TEC VM LM75MS2	Brass		3	98.200	**2086159**

With metric connecting thread to IEC 423, robust cap-nut cable gland with large sealing area. Strain relief, wringing protection and tightness over the whole clamping area. For thicker housing wall thicknesses in conjunction with locknuts. Neoprene sealing ring. Polyamide terminal insert. With pre-mounted sealing ring on connection thread, VDE-tested to DIN EN 50262, protection rating IP 68 at 5 bar for 1 hr.
With long connection thread.
* Prices according to DEL notation.

Dimensions



Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
V-TEC VM LM12 MS	3-6	14	15.5	20	10	3	11.5
V-TEC VM LM16 MS	5-9	17	19	24	10	3	15
V-TEC VM LM20 MS	9-13	22	24	27	10	3.5	16.5
V-TEC VM LM25 MS	11-16	27	30	29.5	11	4	17
V-TEC VM LM32 MS	14-21	34	36	30	13	4.5	18.5
V-TEC VM LM40 MS	19-27	43	46	33	13	4.5	21
V-TEC VM LM50 MS	24-35	55	60	38.5	14	4.5	25
V-TEC VM LM63 MS	32-42	65	65	44.5	14	5	31
V-TEC VM LM75MS1	48-55	90	97	42	18	7	25
V-TEC VM LM75MS2	53-60	90	97	42	18	7	25

CuZn 37 N
IP 68 M

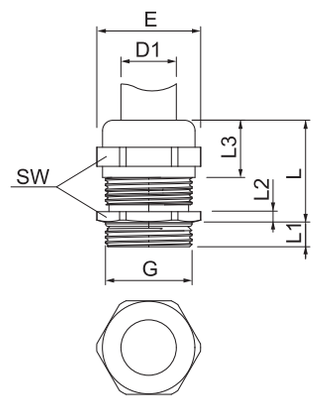
Cap nut cable gland, metric thread, silver grey, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12 MS	Brass		50	1.305	**2086018**
V-TEC VM16 MS	Brass		50	1.640	**2086024**
V-TEC VM20 MS	Brass		25	3.140	**2086030**
V-TEC VM25 MS	Brass		25	4.260	**2086036**
V-TEC VM32 MS	Brass		20	8.457	**2086042**
V-TEC VM40 MS	Brass		5	12.240	**2086048**
V-TEC VM50 MS	Brass		5	22.700	**2086054**
V-TEC VM63 MS	Brass		5	30.300	**2086060**

With metric connecting thread to IEC 423, robust cap-nut cable gland with large sealing area. Strain relief, wringing protection and tightness over the whole clamping area. Neoprene sealing ring. Polyamide terminal insert. With pre-mounted O sealing ring on connection thread, VDE-tested to DIN EN 50262, protection rating IP68 at 5 bar for 1 hr, max. permitted ambient temperature -20 - 100 °C.
* Prices according to DEL notation.

Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
V-TEC VM12 MS	3-6	14	15.5	20	5	3	11.5
V-TEC VM16 MS	5-9	17	19	24	5	3	15
V-TEC VM20 MS	9-13	22	24	27	6	3.5	16.5
V-TEC VM25 MS	11-16	27	30	29.5	7	4	17
V-TEC VM32 MS	14-21	34	36	30	8	4.5	18.5
V-TEC VM40 MS	19-27	43	46	33	8	4.5	21
V-TEC VM50 MS	24-35	55	60	38.5	9	4.5	25
V-TEC VM63 MS	32-42	65	70	44.5	10	5	31

Dimensions



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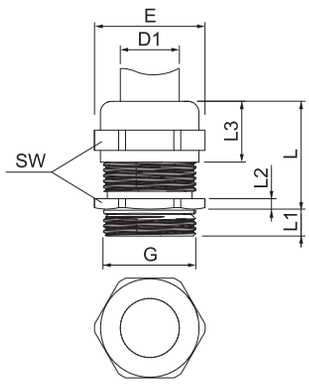
Cap nut cable gland, EMC, metric thread, nickel-plated

CuZn 37 N

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM12 EMV	Brass		50	1.362	**2086203**
V-TEC VM16 EMV	Brass		50	1.837	**2086207**
V-TEC VM20 EMV	Brass		25	3.473	**2086211**
V-TEC VM25 EMV	Brass		25	5.280	**2086215**
V-TEC VM32 EMV	Brass		20	7.662	**2086219**
V-TEC VM40 EMV	Brass		5	12.880	**2086223**
V-TEC VM50 EMV	Brass		5	26.165	**2086227**
V-TEC VM63 EMV	Brass		5	33.990	**2086231**

With metric connecting thread to IEC 423, robust EMV cap-nut cable gland with large sealing area. Strain relief, wringing protection and tightness over the whole clamping area. Neoprene sealing ring. Polyamide terminal insert. With pre-mounted O sealing ring on connection thread, VDE-tested to DIN EN 50262, protection rating IP 68 at 5 bar for 1 hr.
* Prices according to DEL notation.

Dimensions



Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
V-TEC VM12 EMV	3-6	14	15.5	25	5	3	11.5
V-TEC VM16 EMV	5-9	17	19	30	5	3	15
V-TEC VM20 EMV	9-13	22	24	33.5	6	3.5	16.5
V-TEC VM25 EMV	11-16	27	30	36.5	7	3.5	16.5
V-TEC VM32 EMV	14-21	34	36	38	8	4.5	18.5
V-TEC VM40 EMV	19-27	43	46	49.5	8	4.5	21
V-TEC VM50 EMV	24-35	55	60	49.5	9	4.5	25
V-TEC VM63 EMV	32-42	65	70	52.5	10	6.5	26

CuZn 37 N

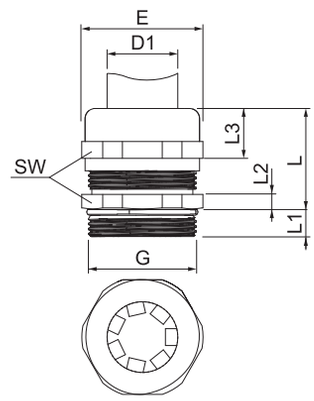
Cap nut cable gland, EMC spring contact, metric thread, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC VM16 EMV-K	Brass		50	2.010	**2086165**
V-TEC VM20 EMV-K	Brass		25	3.564	**2086169**
V-TEC VM25 EMV-K	Brass		25	5.693	**2086173**
V-TEC VM32 EMV-K	Brass		20	9.880	**2086177**
V-TEC VM40 EMV-K	Brass		5	17.200	**2086181**
V-TEC VM50 EMV-K	Brass		5	13.735	**2086185**
V-TEC VM63 EMV-K	Brass		5	16.780	**2086189**

With metric connecting thread to IEC 423, robust EMV cap-nut cable gland with large sealing area. The contact between the gland and braided shield is made using a contact spring. Strain relief, wringing protection and tightness over the whole clamping area. Neoprene sealing ring. Polyamide terminal insert. With pre-mounted O sealing ring on connection thread, VDE-tested to DIN EN 50262, protection rating IP 68 at 5 bar for 1 hr.
* Prices according to DEL notation.

Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm
V-TEC VM16 EMV-K	5-9	17	19	25	5
V-TEC VM20 EMV-K	9-13	22	24	27.5	6
V-TEC VM25 EMV-K	11-16	27	30	29	7
V-TEC VM32 EMV-K	14-21	34	36	30	8
V-TEC VM40 EMV-K	19-27	43	46	31	8
V-TEC VM50 EMV-K	24-35	55	60	40.5	9
V-TEC VM63 EMV-K	38-48	65	65	42.5	10

Dimensions



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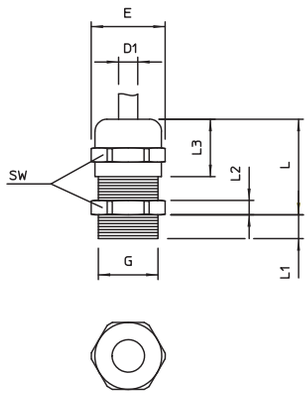
Cap nut cable gland, PG thread, nickel-plated

CuZn 37 | N | IP 68 | Pg

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC PG7 MS	Brass		50	1.044	**2085607**
V-TEC PG9 MS	Brass		50	1.600	**2085615**
V-TEC PG11 MS	Brass		50	2.300	**2085623**
V-TEC PG13 MS	Brass		50	2.800	**2085631**
V-TEC PG16 MS	Brass		25	3.400	**2085658**
V-TEC PG21 MS	Brass		25	6.000	**2085666**
V-TEC PG29 MS	Brass		20	13.000	**2085674**
V-TEC PG36 MS	Brass		10	21.195	**2085682**
V-TEC PG42 MS	Brass		5	23.500	**2085690**
V-TEC PG48 MS	Brass		5	31.500	**2085704**

Cable gland of cap-nut design with large sealing area, and strain relief and torsion protection for high sealing demands with Pg connection thread to DIN 40430, polyamide terminal insert, sealing ring of chloroprene/nitrile rubber, with pre-mounted O ring on the connection thread.
Protection rating IP 68 at 5 bar: 1 hr, tested to VDE 0619.
"Normal" connection thread length, according to DIN 46320.
* Prices according to DEL notation.

Dimensions



Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
V-TEC PG7 MS	2.5-6.5	14	15.5	20	5	3	12
V-TEC PG9 MS	2.5-8	17	18.9	22	6	3	14
V-TEC PG11 MS	3.5-10	20	22.2	24	6	3	15
V-TEC PG13 MS	5-12	22	24.4	25	6.5	3.5	15
V-TEC PG16 MS	7-14	24	26.7	27	6.5	4	17
V-TEC PG21 MS	9-18	30	33.5	33	7	4.5	20
V-TEC PG29 MS	14-25	40	43.5	39	8	5	23.5
V-TEC PG36 MS	18-32	50	54	49	9	5.5	29
V-TEC PG42 MS	24-38	57	61	52	10	6	31
V-TEC PG48 MS	30-44	64	69	52.5	10	6.5	31

CuZn 37 N
IP 68 Pg

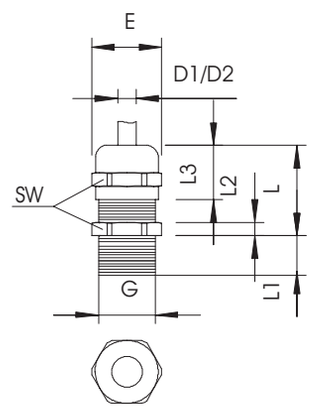
Cap nut cable gland, PG thread, long, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC L PG9 MS	Brass		50	1.795	**2085739**
V-TEC L PG11 MS	Brass		50	2.550	**2085747**
V-TEC L PG13 MS	Brass		50	3.030	**2085755**
V-TEC L PG16 MS	Brass		25	3.660	**2085763**
V-TEC L PG21 MS	Brass		25	6.580	**2085771**
V-TEC L PG29 MS	Brass		10	12.792	**2085798**
V-TEC L PG48 MS	Brass		5	37.900	**2085836**

Cable gland of cap-nut design with large sealing area, and strain relief and torsion protection for high sealing demands with long Pg connection thread to DIN 40430, for thicker housing wall thicknesses in connection with locknut.
Polyamide terminal insert.
Sealing ring of chloroprene/nitrile rubber.
O ring pre-mounted on connection thread.
Protection rating IP 68 at 5 bar: 1 hr.
Tested to VDE 0619.
With long connection thread.
* Prices according to DEL notation.

Type	Sealing range D mm	SW mm	Dim. E mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
V-TEC L PG9 MS	2.5-8	17	18.9	22	10	3	14
V-TEC L PG11 MS	3.5-10	20	22.2	24	10	3	15
V-TEC L PG13 MS	5-12	22	24.4	25	10	3.5	16
V-TEC L PG16 MS	7-14	24	26.7	27	10	4	17
V-TEC L PG21 MS	9-18	30	33.5	33	12	4.5	20
V-TEC L PG29 MS	14-25	40	43.5	39	12	5	23
V-TEC L PG48 MS	30-44	64	69	52.5	15	6.5	31

Dimensions



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Cone cable glands, brass

Cable gland with hexagonal intermediate connector, shape C4, to DIN 46320 with metric connection thread to DIN EN 60423 and ISO 68.

Robust EMC cap-nut cable gland

With metric connecting thread to IEC 423 for meeting high tightness requirements

CuZn 37 | N | IP 54 | IP 65 | M

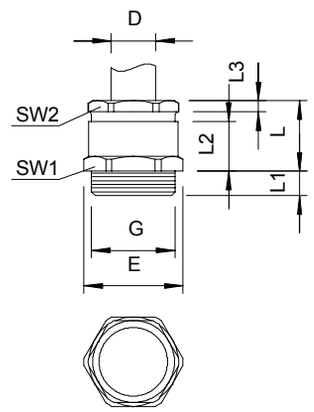
Cone cable gland, metric thread, cutting ring, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
162 MS M12	Brass		50	1.200	**2083706**
162 MS M16	Brass		50	1.814	**2083712**
162 MS M20	Brass		25	2.294	**2083716**
162 MS M25	Brass		25	3.388	**2083720**
162 MS M32	Brass		10	5.004	**2083724**
162 MS M40	Brass		10	14.881	**2083728**
162 MS M50	Brass		5	15.800	**2083732**
162 MS M63	Brass		5	21.600	**2083736**

Cable gland with hexagonal intermediate connector, shape C4, to DIN 46320 with metric connection thread to DIN EN 60423 and ISO 68. Pressure rings made of electrogalvanised and transparently passivated steel. NR/SBR sealing ring.
Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.
With cutting ring.
* Prices according to DEL notation.

Type	Sealing range D mm	SW 1 mm	SW 2 mm	Dim. E mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
162 MS M12	5-7	14	13	15.5	15	7	16	2.5
162 MS M16	5-8	18	15	20.2	16	7	16	3
162 MS M20	7.5-13.5	22	20	24.4	18	7	18	3
162 MS M25	10-20.5	32	28	35.5	22	8	22	2.5
162 MS M32	18-29	40	37	43.5	24	8.5	24	3.5
162 MS M40	24-31	50	47	54	29	8.5	29	3.5
162 MS M50	30-42	57	54	61	33	9.5	33	4
162 MS M63	36-47	65	60	69	35	10	10	4

Dimensions



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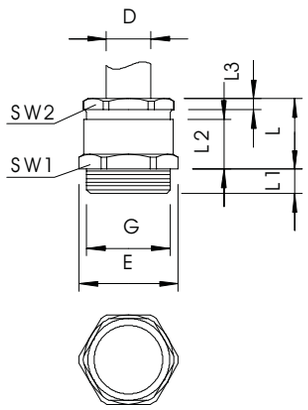
Cone cable gland, PG thread, cutting ring, nickel-plated

Type	Material		Pack Piece	Weight kg/100 pc.	Item no.
162 MS PG 9	Brass		50	1.232	**2082519**
162 MS PG11	Brass		50	1.960	**2082500**
162 MS PG13.5	Brass		50	2.630	**2082527**
162 MS PG16	Brass		25	3.190	**2082543**
162 MS PG21	Brass		25	5.240	**2082578**
162 MS PG29	Brass		10	9.260	**2082594**
162 MS PG36	Brass		10	13.156	**2082616**

Cable gland with hexagonal intermediate connector, shape C4, to DIN 46320 with Pg connection thread to DIN 40430.
Pressure rings made of electrogalvanised and transparently passivated steel.
NR/SBR sealing ring.
Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.
With cutting ring.
* Prices according to DEL notation.

Dimensions



Type	Sealing range D mm	Dim. E mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
162 MS PG 9	5-9.5	18.9	16	6	10.5	2.5
162 MS PG11	7.5-11.5	22.2	17	6	11	3
162 MS PG13.5	7.5-13.5	24.4	18	6.5	12.5	3
162 MS PG16	7.5-15.5	26.7	19	6.5	13.5	3
162 MS PG21	10-20.5	33.5	22	7	15	3.5
162 MS PG29	18-29	43.5	24	8	16.5	4
162 MS PG36	24-37	54	29	9	19.5	4.5

CuZn 37 | N | IP 54 | IP 65 | M

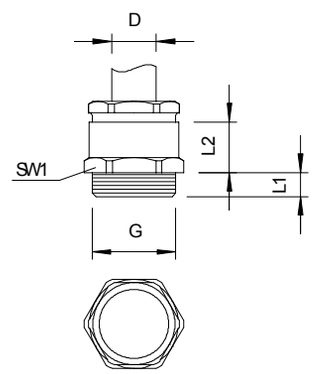
Cone cable gland, metric thread, small cutting ring, nickel-plated

Type	Material	Surface	Pack Piece	Weight kg/100 pc.	Item no.
163 MS M12	Brass	Nickel-plated	50	0.850	**2083612**
163 MS M16	Brass	Nickel-plated	50	1.160	**2083620**
163 MS M20	Brass	Nickel-plated	25	2.210	**2083639**
163 MS M25	Brass	Nickel-plated	25	4.550	**2083647**
163 MS M32	Brass	Nickel-plated	10	8.210	**2083655**
163 MS M40	Brass	Nickel-plated	10	14.230	**2083663**
163 MS M50	Brass	Nickel-plated	5	20.540	**2083671**
163 MS M63	Brass	Nickel-plated	5	30.000	**2083698**

Cable gland with hexagonal intermediate connector, shape C4, to DIN 46320 with metric connection thread to DIN EN 60423 and ISO 68. Pressure rings made of electrogalvanised and transparently passivated steel.
NR/SBR sealing ring.
Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.
With simple sealing ring, with small internal diameter.
* Prices according to DEL notation.

Type	Sealing range D mm	SW 1 mm	Dim. E mm	Dim. L1 mm	Dim. L2 mm
163 MS M12	5-7	14	15.5	7	10
163 MS M16	6-8	17	18.9	7	10.5
163 MS M20	8-10	22	24.4	7	12.5
163 MS M25	17-19	34	35.5	8	15
163 MS M32	24-26	42	43.5	8.5	16.5
163 MS M40	31-33	52	54	8.5	19.5
163 MS M50	37-39	57	62.1	10.5	23
163 MS M63	43-45	65	69	10.5	23

Dimensions



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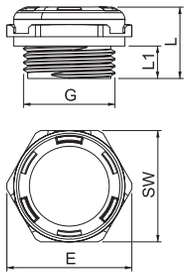
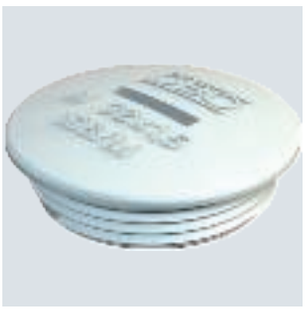
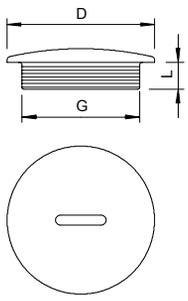
Pressure compensation element



Type		Item no.
109 M20 LGR		2034680

Screw plug, metric thread

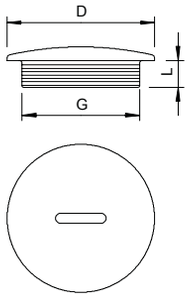




Type	Thread	Dim. D mm	Dim. L mm	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
108 M12 PS	M12 x 1,5	15	6	Light grey	3000	100	0.047	**2033003**
108 M16 PS	M16 x 1,5	20	6	Light grey	1800	100	0.085	**2033007**
108 M20 PS	M20 x 1,5	24	6	Light grey	1200	100	0.128	**2033011**
108 M25 PS	M25 x 1,5	30	8	Light grey	1000	100	0.210	**2033016**
108 M32 PS	M32 x 1,5	37	8	Light grey	500	50	0.339	**2033021**
108 M40 PS	M40 x 1,5	46	8	Light grey	300	25	0.564	**2033026**
108 M50 PS	M50 x 1,5	56	10	Light grey	300	25	0.939	**2033032**
108 M63 PS	M63 x 1,5	70	12	Light grey	300	25	1.492	**2033038**

Screw plug in accordance with DIN 46320, with metric thread to IEC 423.

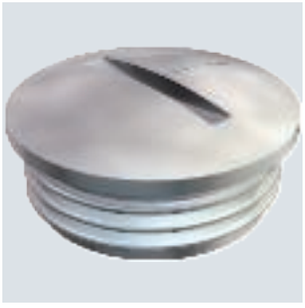
Screw plug, PG thread

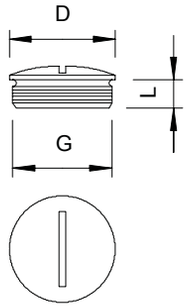


Type	Thread	Dim. D mm	Dim. L mm	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
108 PG 7	Pg 7	14	6	Light grey	2400	100	0.056	**2033070**
108 PG 9	Pg 9	19	6	Light grey	1800	100	0.096	**2033097**
108 PG11	Pg 11	22	6	Light grey	2000	100	0.128	**2033119**
108 PG13.5	Pg 13,5	25	6.5	Light grey	1200	100	0.164	**2033135**
108 PG16	Pg 16	27	6.5	Light grey	1000	100	0.184	**2033151**
108 PG21	Pg 21	34	8	Light grey	1200	100	0.345	**2033216**
108 PG29	Pg 29	44	8	Light grey	600	50	0.646	**2033291**
108 PG36	Pg 36	58	10	Light grey	200	25	1.057	**2033364**
108 PG42	Pg 42	67	10	Light grey	300	25	1.479	**2033429**
108 PG48	Pg 48	73	12	Light grey	300	25	1.832	**2033488**

Screw plug in accordance with DIN 46320, with PG thread to DIN 40430.

Screw plug, metric thread





Type	Thread	Dim. D mm	Dim. L mm	Material	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
168 MS M12	M12 x 1,5	16	5	Brass	3000	100	0.390	**2090511**
168 MS M16	M16 x 1,5	20	6	Brass	2000	100	0.640	**2090538**
168 MS M20	M20 x 1,5	22	6.5	Brass	1000	100	0.930	**2090546**
168 MS M25	M25 x 1,5	28	7	Brass	500	50	1.850	**2090554**
168 MS M32	M32 x 1,5	35	8	Brass	200	50	2.810	**2090562**
168 MS M40	M40 x 1,5	45	8	Brass	100	50	5.290	**2090570**
168 MS M50	M50 x 1,5	55	9	Brass	100	25	6.310	**2090589**
168 MS M63	M63 x 1,5	68	10	Brass	50	25	12.570	**2090597**

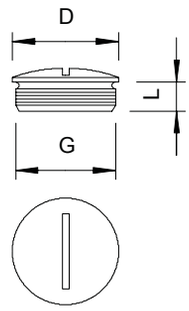
Screw plug N in accordance with DIN 46320,
with metric thread to DIN EN 60423 or ISO 68.
In conjunction with sealing ring, types 107, 170 or 171, protection rating IP68 (5 bar/1 hr).
Sealing ring not contained in the scope of delivery.
* Prices according to DEL notation.

CuZn 37 N

Pg

Screw plug, PG thread

Type	Thread	Dim. D mm	Dim. L mm	Material	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
168 MS PG 7	Pg 7	14	5	Brass	3000	100	0.410	**2090074**
168 MS PG 9	Pg 9	17	6	Brass	2000	100	0.530	**2090090**
168 MS PG11	Pg 11	20	6	Brass	1000	100	0.840	**2090112**
168 MS PG13	Pg 13,5	22	6.5	Brass	1000	100	0.930	**2090139**
168 MS PG16	Pg 16	24	6.5	Brass	1000	100	1.300	**2090163**
168 MS PG21	Pg 21	30	7	Brass	500	50	2.420	**2090201**
168 MS PG29	Pg 29	39	8	Brass	200	50	4.310	**2090295**
168 MS PG36	Pg 36	50	9	Brass	100	50	7.800	**2090368**
168 MS PG42	Pg 42	57	10	Brass	100	25	11.710	**2090422**
168 MS PG48	Pg 48	64	10	Brass	50	25	15.260	**2090481**



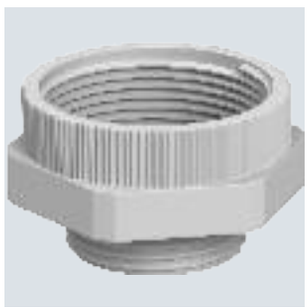
Screw plug N in accordance with DIN 46320, with PG thread to DIN 40430.
In conjunction with sealing ring, types 107, 170 or 171, protection rating IP68 (5 bar/1 hr).
Sealing ring not contained in the scope of delivery.
* Prices according to DEL notation.

PA

M

Intermediate expansion connector, metric thread

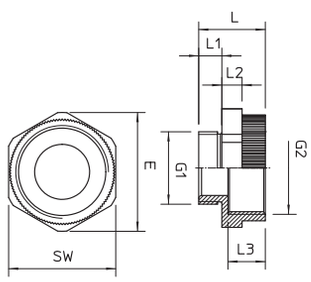
Type	External thread	Internal thread	Colour	Pack Piece	Weight kg/100 pc.	Item no.
107 E M 12-16 PA	M12	M16	Light grey	50	0.300	**2031450**
107 E M 16-20 PA	M16	M20	Light grey	50	0.380	**2031451**
107 E M 20-25 PA	M20	M25	Light grey	50	0.630	**2031452**
107 E M 25-32 PA	M25	M32	Light grey	50	0.970	**2031453**
107 E M 32-40 PA	M32	M40	Light grey	25	1.300	**2031454**



Intermediate expansion connector, metric internal and external thread.

Type	Dim. L mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm	SW mm	Dim. E mm
107 E M 12-16 PA	20.5	8	5	10.5	20	22
107 E M 16-20 PA	20.5	8	5	10.5	24	26.5
107 E M 20-25 PA	21	8	6	10.5	30	33
107 E M 25-32 PA	23	8	7	12.5	37	41
107 E M 32-40 PA	25	10	7	12.5	45	49.5

Dimensions



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Always indicate the item number when ordering.

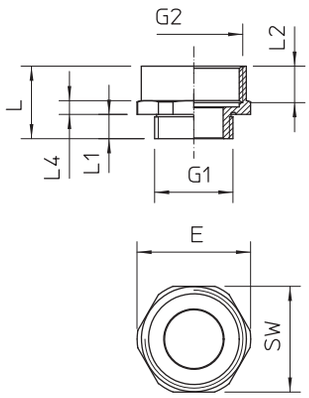
Expansion piece, metric thread

CuZn 37 N M

Type	External thread	Internal thread		Pack Piece	Weight kg/100 pc.	Item no.
165 ADA M12-16	M12	M16		50	1.030	**2088280**
165 ADA M16-20	M16	M20		50	1.430	**2088281**
165 ADA M20-25	M20	M25		50	2.090	**2088282**
165 ADA M25-32	M25	M32		50	2.710	**2088283**
165 ADA M32-40	M32	M40		25	5.180	**2088284**
165 ADA M40-50	M40	M50		10	10.150	**2088285**
165 ADA M 50-63	M50	M63		5	13.060	**2088286**

The areas of application for brass cable glands range from junction boxes as a distribution/-connection box up to large industrial applications for safe floor routing to switchgear cabinets with a control and distribution function. For high mechanical requirements, OBO can offer the entire family of extensions (Part K) to DIN 46320.
* Prices according to DEL notation.

Dimensions



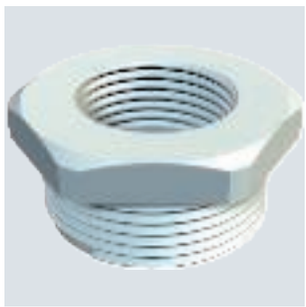
Type	SW mm	Dim. E mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm	Dim. D mm
165 ADA M12-16	18	20	16	5	7	8
165 ADA M16-20	22	24.5	16.7	5	8	12
165 ADA M20-25	27	29	18.5	6.4	9	15
165 ADA M25-32	34	35.8	20.7	7.4	8	20.8
165 ADA M32-40	42	45.5	23.8	8	10	26
165 ADA M40-50	52	58	30.5	8.2	12.5	33.8
165 ADA M 50-63	65	69.9	33	9.2	16	43.4

PA

M

Reduction, metric thread

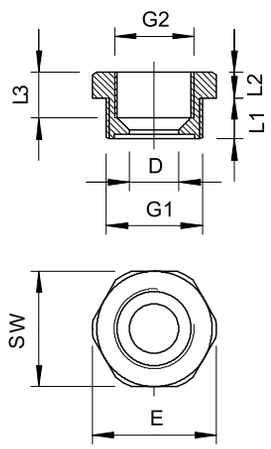
Type	External thread	Internal thread	Colour	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
107 R M20-12 PA	M20	M12	Light grey	24	100	0.500	**2030616**
107 R M20-16 PA	M20	M16	Light grey	24	100	0.700	**2030619**
107 R M25-12 PA	M25	M12	Light grey	29	100	0.850	**2030624**
107 R M25-16 PA	M25	M16	Light grey	29	100	0.850	**2030626**
107 R M25-20 PA	M25	M20	Light grey	29	100	0.650	**2030628**
107 R M32-12 PA	M32	M12	Light grey	36	50	1.200	**2030632**
107 R M32-16 PA	M32	M16	Light grey	36	50	1.100	**2030634**
107 R M32-20 PA	M32	M20	Light grey	36	50	1.050	**2030637**
107 R M32-25 PA	M32	M25	Light grey	36	50	0.783	**2030640**
107 R M40-16 PA	M40	M16	Light grey	46	50	2.000	**2030643**
107 R M40-20 PA	M40	M20	Light grey	46	50	1.850	**2030646**
107 R M40-25 PA	M40	M25	Light grey	46	50	1.950	**2030649**
107 R M40-32 PA	M40	M32	Light grey	46	50	1.400	**2030652**
107 R M50-20 PA	M50	M20	Light grey	55	25	2.300	**2030655**
107 R M50-25 PA	M50	M25	Light grey	55	25	2.250	**2030659**
107 R M50-32 PA	M50	M32	Light grey	55	25	2.200	**2030661**
107 R M50-40 PA	M50	M40	Light grey	55	25	2.050	**2030664**
107 R M63-25 PA	M63	M25	Light grey	68	25	3.050	**2030667**
107 R M63-32 PA	M63	M32	Light grey	68	25	3.070	**2030670**
107 R M63-40 PA	M63	M40	Light grey	68	25	3.100	**2030673**
107 R M63-50 PA	M63	M50	Light grey	68	25	3.000	**2030675**



Reduction, with metric internal and external thread.

Type	SW mm	Dim. E mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
107 R M20-12 PA	24	26.5	12	8	4	12
107 R M20-16 PA	24	26.5	12	8	4	12
107 R M25-12 PA	29	32	14	8	6	14
107 R M25-16 PA	29	32	14	8	6	14
107 R M25-20 PA	29	32	14	8	6	14
107 R M32-12 PA	36	40	16	10	6	16
107 R M32-16 PA	36	40	16	10	6	16
107 R M32-20 PA	36	40	16	10	6	16
107 R M32-25 PA	36	40	16	10	6	16
107 R M40-16 PA	46	50.5	16	10	6	16
107 R M40-20 PA	46	50.5	16	10	6	16
107 R M40-25 PA	46	50.5	16	10	6	16
107 R M40-32 PA	46	50.5	16	10	6	16
107 R M50-20 PA	55	60	18	12	6	18
107 R M50-25 PA	55	60	18	12	6	18
107 R M50-32 PA	55	60	18	12	6	18
107 R M50-40 PA	55	60	18	12	6	18
107 R M63-25 PA	68	75	18	12	6	18
107 R M63-32 PA	68	75	18	12	6	18
107 R M63-40 PA	68	75	18	12	6	18
107 R M63-50 PA	68	75	18	12	6	18

Dimensions



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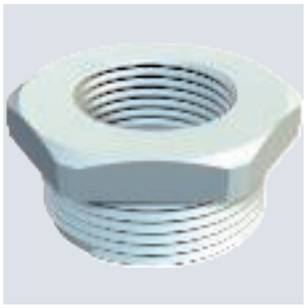
Always indicate the item number when ordering.

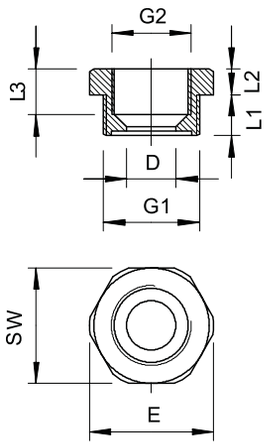
Reduction, PG thread



Type	External thread	Internal thread	Colour	Pack Piece	Weight kg/100 pc.	Item no.
107 R PG11- 7 PA	Pg 11	Pg 7	Light grey	50	0.400	**2030705**
107 R PG13- 9 PA	Pg 13,5	Pg 9	Light grey	50	0.450	**2030713**
107 R PG16- 9 PA	Pg 16	Pg 9	Light grey	50	0.600	**2030748**
107 R PG16-11 PA	Pg 16	Pg 11	Light grey	50	0.480	**2030756**
107 R PG21-11 PA	Pg 21	Pg 11	Light grey	50	0.910	**2030764**
107 R PG21-13 PA	Pg 21	Pg 13,5	Light grey	50	0.800	**2030772**
107 R PG21-16 PA	Pg 21	Pg 16	Light grey	50	0.650	**2030780**
107 R PG29-16 PA	Pg 29	Pg 16	Light grey	50	1.460	**2030799**
107 R PG29-21 PA	Pg 29	Pg 21	Light grey	25	1.500	**2030802**
107 R PG36-21 PA	Pg 36	Pg 21	Light grey	25	2.350	**2030829**
107 R PG36-29 PA	Pg 36	Pg 29	Light grey	25	2.200	**2030810**
107 R PG42-29 PA	Pg 42	Pg 29	Light grey	25	2.350	**2030837**

Reduction, Pg internal and external thread to DIN 40430.

Dimensions



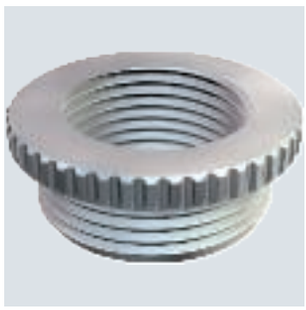
Type	SW mm	Dim. D mm	Dim. E mm	Dim. L1 mm	Dim. L2 mm	Dim. L3 mm
107 R PG11- 7 PA	22	7.5	24	8	6	9.5
107 R PG13- 9 PA	24	9.5	26	8.5	6	9.5
107 R PG16- 9 PA	27	9.5	29	9.5	6	11.5
107 R PG16-11 PA	27	11.5	29	9.5	6	11
107 R PG21-11 PA	32	11.5	35.5	10.5	5	11
107 R PG21-13 PA	32	13.5	35.5	10.5	5	11
107 R PG21-16 PA	32	16.5	35.5	10.5	5	11
107 R PG29-16 PA	40	16.5	40	12	6	12.5
107 R PG29-21 PA	39	21.5	40	12.5	6	13.5
107 R PG36-21 PA	50	21	54	13	6	13.5
107 R PG36-29 PA	50	28.5	54	18	6	18
107 R PG42-29 PA	55	27.5	59	16	6	17

CuZn 37 N

M

Reduction, metric thread

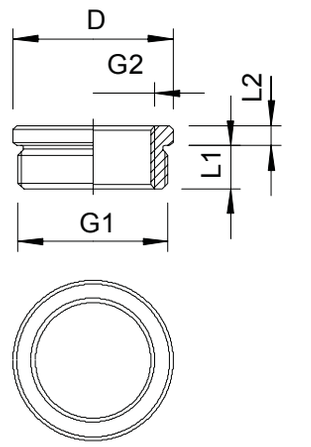
Type	External thread	Internal thread	Dim. D mm	Thread length mm	Dim. L2 mm	Pack Piece	Weight kg/100 pc.	Item no.
167 R MS M16-12	M16	M12	20	6	2.5	50	0.880	**2089505**
167 R MS M20-12	M20	M12	24	6.5	3.5	50	1.340	**2089513**
167 R MS M20-16	M20	M16	24	6.5	3.5	50	1.134	**2089521**
167 R MS M25-16	M25	M16	30	7	3	50	3.220	**2089548**
167 R MS M25-20	M25	M20	30	7	3	50	2.102	**2089556**
167 R MS M32-20	M32	M20	39	8	3.5	50	6.120	**2089564**
167 R MS M32-25	M32	M25	39	8	3.5	50	4.500	**2089572**
167 R MS M40-25	M40	M25	50	6	3.5	25	9.960	**2089580**
167 R MS M40-32	M40	M32	50	9	3.5	25	6.840	**2089599**
167 R MS M50-32	M50	M32	57	10	4	25	16.300	**2089602**
167 R MS M50-40	M50	M40	57	10	4	25	10.250	**2089610**
167 R MS M63-40	M63	M40	64	10	4	10	30.080	**2089629**
167 R MS M63-50	M63	M50	64	10	4	10	10.090	**2089637**



Reduction (Part H) in accordance with DIN 46320, with metric thread to DIN EN 60423 or ISO 68.
* Prices according to DEL notation.

Type	Dim. L1 mm	Dim. L2 mm	Dim. D mm
167 R MS M16-12	6	2.5	20
167 R MS M20-12	6.5	3.5	24
167 R MS M20-16	6.5	3.5	24
167 R MS M25-16	7	3	30
167 R MS M25-20	7	3	30
167 R MS M32-20	8	3.5	39
167 R MS M32-25	8	3.5	39
167 R MS M40-25	9	3.5	50
167 R MS M40-32	9	3.5	50
167 R MS M50-32	10	4	57
167 R MS M50-40	10	4	57
167 R MS M63-40	10	4	64
167 R MS M63-50	10	4	64

Dimensions



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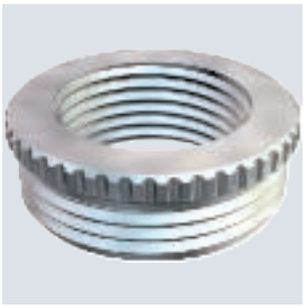
Always indicate the item number when ordering.

Reducers

Reduction, PG thread

CuZn 37 N

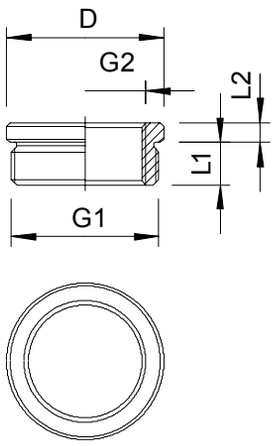
Pg



Type	Thread length mm	Pack Piece	Weight kg/100 pc.	Item no.
167 R MS PG9-7	6	50	0.430	**2089025**
167 R MS PG11-7	6	50	1.030	**2089041**
167 R MS PG11-9	6	50	0.650	**2089076**
167 R MS PG13-7	6.5	50	1.520	**2089092**
167 R MS PG13-9	6.5	50	1.120	**2089114**
167 R MS PG13-11	6.5	50	0.470	**2089130**
167 R MS PG16-9	6.5	50	1.730	**2089157**
167 R MS PG16-11	6.5	50	1.050	**2089173**
167 R MS PG16-13	6.5	50	0.656	**2089203**
167 R MS PG21-11	7	50	2.960	**2089238**
167 R MS PG21-13	7	50	2.520	**2089254**
167 R MS PG21-16	7	50	1.964	**2089270**
167 R MS PG29-16	8	50	6.560	**2089297**
167 R MS PG29-21	8	50	4.273	**2089319**
167 R MS PG36-21	9	25	11.660	**2089335**
167 R MS PG36-29	9	25	6.980	**2089351**
167 R MS PG42-36	10	25	6.750	**2089408**
167 R MS PG48-36	10	25	12.840	**2089424**
167 R MS PG48-42	10	25	6.230	**2089440**

Reduction (Part H) to DIN 46320, with Pg thread to DIN 40430, as a transition from a PG thread hole to a smaller cable gland.
* Prices according to DEL notation.

Dimensions



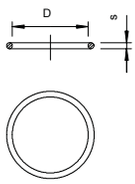
Type	External thread	Internal thread	Dim. L1 mm	Dim. L2 mm	Dim. D mm
167 R MS PG9-7	Pg 9	Pg 7	6	2.5	17
167 R MS PG11-7	Pg 11	Pg 7	6	2.5	20
167 R MS PG11-9	Pg 11	Pg 9	6	2.5	20
167 R MS PG13-7	Pg 13,5	Pg 7	6.5	2.5	22
167 R MS PG13-9	Pg 13,5	Pg 9	6.5	2.5	22
167 R MS PG13-11	Pg 13,5	Pg 11	6.5	2.5	22
167 R MS PG16-9	Pg 16	Pg 9	6.5	3	24
167 R MS PG16-11	Pg 16	Pg 11	6.5	3	24
167 R MS PG16-13	Pg 16	Pg 13,5	6.5	3	24
167 R MS PG21-11	Pg 21	Pg 11	7	3	30
167 R MS PG21-13	Pg 21	Pg 13,5	7	3	30
167 R MS PG21-16	Pg 21	Pg 16	7	3	30
167 R MS PG29-16	Pg 29	Pg 16	8	3.5	39
167 R MS PG29-21	Pg 29	Pg 21	8	3.5	39
167 R MS PG36-21	Pg 36	Pg 21	9	3.5	50
167 R MS PG36-29	Pg 36	Pg 29	9	3.5	50
167 R MS PG42-36	Pg 42	Pg 36	10	4	57
167 R MS PG48-36	Pg 48	Pg 36	10	4	64
167 R MS PG48-42	Pg 48	Pg 42	10	4	64

Sealing rings

O sealing ring for metric connection thread

NBR

M



Type	Size mm	Dim. D mm	Dim. S mm	Pack Piece	Weight kg/100 pc.	Item no.
171 M12	M12	10	1.5	100	0.007	**2088703**
171 M16	M16	13	1.5	100	0.008	**2088711**
171 M20	M20	18	1.5	100	0.011	**2088738**
171 M25	M25	22	1.5	100	0.012	**2088746**
171 M32	M32	29	2	100	0.035	**2088754**
171 M40	M40	36	2	50	0.045	**2088762**
171 M50	M50	46	2	50	0.052	**2088770**
171 M63	M63	59	2	25	0.056	**2088789**

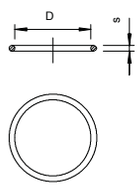
O sealing rings, suitable as connection thread sealing rings for all plastic and brass cable glands with metric connection thread to DIN EN 60423 or ISO 68. The rings can be captively pre-mounted.

NBR

Pg

O sealing ring for PG connection thread

Type	Size mm	Dim. D mm	Dim. S mm	Pack Piece	Weight kg/100 pc.	Item no.
171 PG 9	Pg 9	13	1.5	100	0.008	**2088819**
171 PG11	Pg 11	16	1.5	100	0.010	**2088827**
171 PG13.5	Pg 13,5	18	1.5	100	0.011	**2088835**
171 PG16	Pg 16	20	1.5	100	0.012	**2088843**
171 PG21	Pg 21	25	2	100	0.027	**2088851**
171 PG29	Pg 29	33	2	100	0.035	**2088878**
171 PG36	Pg 36	43	2	50	0.045	**2088886**
171 PG42	Pg 42	50	2	50	0.052	**2088894**



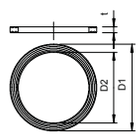
O sealing rings, suitable as connection thread sealing rings for all plastic and brass cable glands with Pg connection thread to DIN EN 60423 or ISO 68. The rings can be captively pre-mounted.

PE

M

Connection thread sealing ring, metric

Type	Size mm	Dim. D1 mm	Dim. D2 mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
107 F M12 PE	M12	16.3	12	1	100	0.017	**2030004**
107 F M16 PE	M16	20.9	16	1.1	100	0.015	**2030008**
107 F M20 PE	M20	25.1	20	1.1	100	0.030	**2030012**
107 F M25 PE	M25	31.3	25	1.4	100	0.038	**2030016**
107 F M32 PE	M32	37.6	32	1.7	100	0.105	**2030020**
107 F M40 PE	M40	49.1	40	1.7	100	0.200	**2030024**
107 F M50 PE	M50	60.1	50	2	100	0.250	**2030028**
107 F M63 PE	M63	73.8	63	2	100	0.290	**2030032**



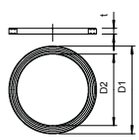
Connection thread sealing ring, suitable for all plastic cable glands with metric connection thread to DIN EN 60423 or ISO 68. The internal diameters of the sealing rings are designed in such a way that they can be pre-mounted in a captive manner.

PE

Pg

Connection thread sealing ring, PG

Type	Size mm	Dim. D1 mm	Dim. D2 mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
107 F PG7 PE	Pg 7	16.5	12.1	1.6	100	0.010	**2030071**
107 F PG9 PE	Pg 9	19	14.7	1.6	100	0.013	**2030098**
107 F PG11 PE	Pg 11	23	18	1.8	100	0.022	**2030101**
107 F PG13.5 PE	Pg 13,5	25	19.8	1.8	100	0.030	**2030136**
107 F PG16 PE	Pg 16	27	21.8	1.8	100	0.038	**2030160**
107 F PG21 PE	Pg 21	34	27.5	2.2	100	0.049	**2030217**
107 F PG29 PE	Pg 29	44	36.2	2.2	100	0.105	**2030292**
107 F PG36 PE	Pg 36	55.5	46.2	2.7	100	0.200	**2030365**
107 F PG48 PE	Pg 48	69.5	58.5	3.2	100	0.225	**2030489**



Connection thread sealing ring, in accordance with Part 9 to DIN 46320, however, dimensions may, according to material or function, deviate, suitable for all plastic cable glands with PG connection thread to DIN EN 40430, the internal diameter of the sealing rings are designed so that they can be captively pre-mounted.

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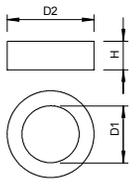
Always indicate the item number when ordering.

Sealing rings

Reducing sealing insert, metric

NBR SBR

M



Type	Size mm	Sealing range D mm	Dim. D1 mm	Dim. D2 mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
107CR VM 12	M12	2-5	5	8.9	7.2	50	0.050	**2029560**
107CR VM 16	M16	2.5-7	7	12.7	8.1	50	0.115	**2029563**
107CR VM 20	M20	4-9	9	16	9.3	50	0.205	**2029566**
107CR VM 25	M25	6-13	13	20.7	10.5	50	0.340	**2029569**
107CR VM 32	M32	11-16	16	25.7	12.3	25	0.625	**2029572**
107CR VM 40	M40	12-23	23	33.7	15	25	1.140	**2029575**
107CR VM 50	M50	18-29	29	41.7	18.5	25	2.080	**2029578**
107CR VM 63	M63	29-40	40	54.8	20.2	25	3.560	**2029581**

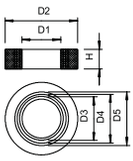
Reduces the sealing area D of the cable gland V-TEC VM and V-TEC VM L.

Cutting rings

Cutting ring

NBR SBR

Pg



Type	Size mm	Dim. D1 mm	Dim. D2 mm	Dim. D3 mm	Dim. D4 mm	Dim. D5 mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
107 B PG9	Pg 9	5	13.3	7.5	10	0	5.5	100	0.090	**2029103**
107 B PG11	Pg 11	7.5	16.5	10	12.5	0	6	100	0.132	**2029111**
107 B PG13.5	Pg 13,5	7.5	18.3	10	12.5	0	6	100	0.172	**2029138**
107 B PG16	Pg 16	7.5	20.4	10	12.5	15	7	100	0.265	**2029162**
107 B PG21	Pg 21	10	25.9	13	16	19	8	100	0.490	**2029219**
107 B PG29	Pg 29	18	34.7	21	24	27	9.5	100	0.803	**2029294**
107 B PG36	Pg 36	24	44.7	27	30	33	12	50	1.733	**2029367**
107 B PG42	Pg 42	30	51.7	33	36	39	14	50	2.345	**2029421**
107 B PG48	Pg 48	36	56.9	39	42	45	14	50	2.615	**2029480**

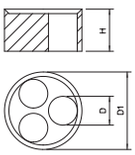
Rubber cutting ring (cuttable sealing ring) to DIN 46320 for cone cable gland.

Multiple sealing inserts

Multi-way seal insert, metric

NBR SBR

M

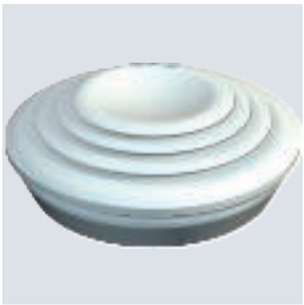


Type	Size mm	Dim. D mm	Dim. H mm	Dim. D1 mm	Number of drill holes	Pack Piece	Weight kg/100 pc.	Item no.
107 C VM 20 2x4	M20	4	8.1	15.1	2	50	0.130	**2029672**
107 C VM 20 4x5	M20	5	8.1	15.1	4	50	0.080	**2029675**
107 C VM 20 2x6	M20	6	8.1	15.1	2	50	0.100	**2029677**
107 C VM 25 5x4	M25	4	10	19.8	5	50	0.180	**2029679**
107 C VM 25 3x6	M25	6	10	19.8	3	50	0.210	**2029682**
107 C VM 25 2x6	M25	6	10	19.8	2	50	0.260	**2029685**
107 C VM 25 3x7	M25	7	10	19.8	3	50	0.180	**2029688**
107 C VM 25 2x8	M25	8	10	19.8	2	50	0.200	**2029690**
107 C VM 32 2x8	M32	8	13.4	25.1	2	25	0.530	**2029693**
107 C VM 32 4x8	M32	8	13.4	25.1	4	25	0.400	**2029696**

Use to insert multiple thin cables in the V-TEC VM cable glands, is replaced with the simple sealing ring of the cable gland.

EDK plug-in seal

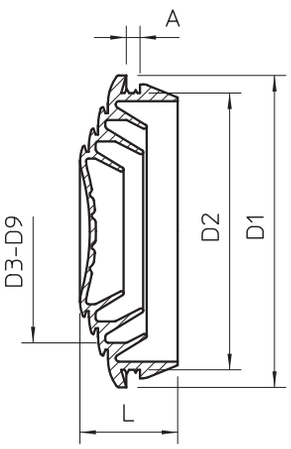
TPE
M25 M32 M40 IP 66



Type	Size	For Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
EDK 25 LGR	M25	0-22	Light grey	100	0.214	**2011638**
EDK 32 LGR	M32	0-27	Light grey	50	0.328	**2011646**
EDK 40 LGR	M40	0-34	Light grey	25	0.534	**2011654**
EDK 25 RW	M25	0-22	Pure white	100	0.214	**2011689**
EDK 32 RW	M32	0-27	Pure white	50	0.328	**2011697**
EDK 40 RW	M40	0-34	Pure white	25	0.534	**2011700**

The plug-in seal can be cut back to suit the relevant cable diameter.

Dimensions



Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Dim. D3 mm	Dim. D4 mm	Dim. D5 mm	Dimension D6 mm	Dimension D7 mm	Dimension D8 mm	Dimension D9 mm
EDK 25 LGR	10.1	2.2	29.5	25.4	5	10	15	18	22	–	–
EDK 32 LGR	11.4	2.2	36.4	32.3	5	10	15	18	22	27	–
EDK 40 LGR	13.4	2.2	44.1	40.2	5	10	15	18	22	27	34
EDK 25 RW	10.1	2.2	29.5	25.4	5	10	15	18	22	–	–
EDK 32 RW	11.4	2.2	36.4	32.3	5	10	15	18	22	27	–
EDK 40 RW	13.4	2.2	44.1	40.2	5	10	15	18	22	27	34

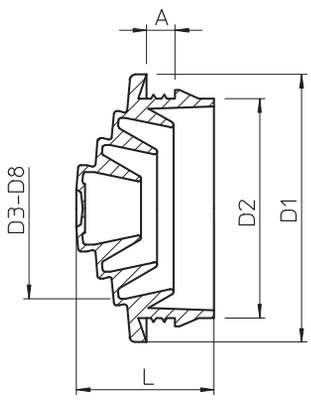
EDS plug-in seal

TPE
IP 54 M

Type	Size	For Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
EDS M20 LGR	M20	0-17	Light grey	100	0.125	**2012350**
EDS M25 LGR	M25	0-22	Light grey	100	0.185	**2012354**
EDS M32 LGR	M32	0-28	Light grey	50	0.295	**2012358**

The push-in nipple can be cut back to suit the relevant cable diameter.

Dimensions



Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Dim. D3 mm	Dim. D4 mm	Dim. D5 mm	Dimension D6 mm	Dimension D7 mm	Dimension D8 mm
EDS M20 LGR	12.8	3.1	24.8	20.3	6	10	15	17	–	–
EDS M25 LGR	14.5	3.1	29.5	25.3	6	10	15	20	22	–
EDS M32 LGR	17.8	3.1	36.3	32.3	6	10	15	20	25	28

PE

IP 54 M

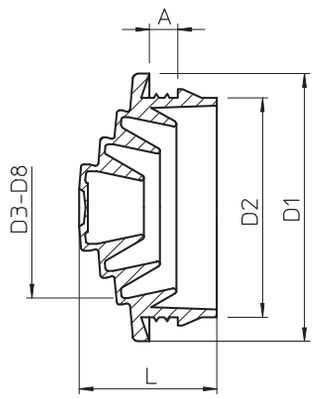
Plug-in seal EDVS

Type	Size	For Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
EDVS M20 LGR	M20	0-17	Light grey	100	0.117	**2012375**
EDVS M25 LGR	M25	0-22	Light grey	100	0.179	**2012383**
EDVS M32 LGR	M32	0-28	Light grey	50	0.295	**2012391**

The push-in nipple can be cut back to suit the relevant cable diameter.

Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Dim. D3 mm	Dim. D4 mm	Dim. D5 mm	Dimension D6 mm	Dimension D7 mm	Dimension D8 mm
EDVS M20 LGR	12.8	3.4	24.8	20.3	6	10	15	17	–	–
EDVS M25 LGR	14.5	4.3	29.5	25.3	6	10	15	20	22	–
EDVS M32 LGR	17.8	4.4	36.3	32.3	6	10	15	20	25	28

Dimensions



TPE

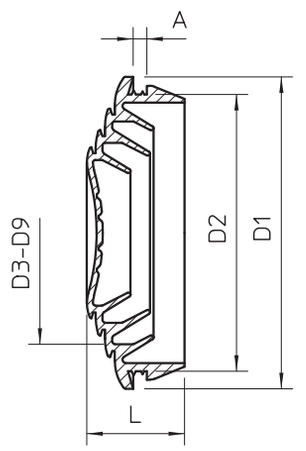
Plug-in seal for FireBox T series

Type	Size	For Ø mm		Pack Piece	Weight kg/100 pc.	Item no.
EDK 25 OR	M25	0-22		10	0.214	**7205675**
EDK 32 OR	M32	0-27		10	0.328	**7205677**
EDK 40 OR	M40	0-34		10	0.534	**7205679**

The soft plug-in seal can be cut back step by step to suit the relevant cable diameter.
Colour: Pastel orange.

Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Sealing range D mm
EDK 25 OR	10.1	2.2	29.5	25.4	0-22
EDK 32 OR	11.4	2.2	36.4	32.3	0-27
EDK 40 OR	13.4	2.2	44.1	40.2	0-34

Dimensions



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Always indicate the item number when ordering.

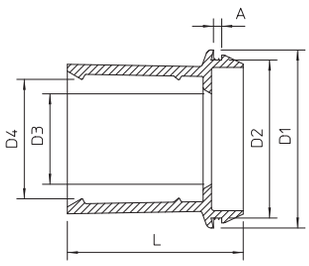
Plug-in seal for pipes, T-series junction box, light grey

TPE
IP 55 | M25 | M32 | M40

Type	Size	Colour	Pack Piece	Weight kg/100 pc.	Item no.
EDR 25 16-20 LGR	M25	Light grey	50	0.520	**2011506**
EDR 25 20-25 LGR	M25	Light grey	50	0.680	**2011514**
EDR 32 25-32 LGR	M32	Light grey	50	1.170	**2011530**
EDR 40 32-40 LGR	M40	Light grey	25	2.200	**2011546**

Plug-in seal for junction boxes for direct insertion of metric pipes

Dimensions

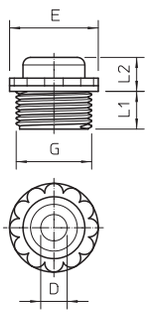


Type	Dim. L mm	Dim. A mm	Dim. D1 mm	Dim. D2 mm	Dim. D3 mm	Dim. D4 mm
EDR 25 16-20 LGR	30	2.2	29.5	25.3	15	18.4
EDR 25 20-25 LGR	30	2.2	29.5	25.3	18.5	24.2
EDR 32 25-32 LGR	36	2.2	37	32.3	24	31.2
EDR 40 32-40 LGR	49	2.2	46	42.3	31	39.2

Nipple

Screw-in nipple, metric thread, with perforation membrane

PE
IP 54 | M

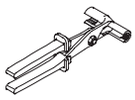


Type	Thread	Colour	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
90 M12 GE	M12 x 1,5	Light grey	13	100	0.170	**2032378**
90 M16 GE	M16 x 1,5	Light grey	16	100	0.192	**2032380**
90 M20 GE	M20 x 1,5	Light grey	21	100	0.268	**2032382**
90 M25 GE	M25 x 1,5	Light grey	30	50	0.513	**2032384**
90 M32 GE	M32 x 1,5	Light grey	34	25	0.694	**2032386**
90 M40 GE	M40 x 1,5	Light grey	44	10	0.875	**2032388**

With perforation membranes, the opening D is pre-marked, but closed.
Grip seal to screw into metric thread to IEC 423.
With self-sealing cone at the end of the thread, therefore no connection thread sealing ring required.
Protection rating achievable with careful mounting: IP54.

Tool

Special tongs for cable glands

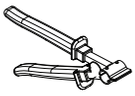


Type		Pack Piece	Weight kg/100 pc.	Item no.
186		1	47.000	**3010104**

Universal tool for easy tightening of all glands up to size PG 21 or M25 x 1.5, also usable with glands very close to one another.
Small opening PG 7–PG 11.
Large opening PG 13.5–PG 21.

Spreading pliers for sealing insert, splittable cable gland

M25



Type		Pack Piece	Weight kg/100 pc.	Item no.
V-TEC TBZ		1	26.000	**2024900**

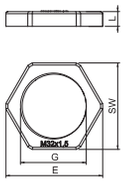
The ideal aiding tool is the pair of spreading pliers which can be used to open the sealing insert. With this tool, inserting the individual cables is quick and easy.
Place the cable in the spreading pliers, insert the spreading pliers into the sealing separation and then open them. Now the cable can easily be placed into the seal.

Locknuts

Locknut, metric thread

PA

M



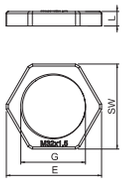
Type	Thread	Colour	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
116 M12 LGR PA	M12x1,5	Light grey	17	19	5	100	0.100	**2048906**
116 M16 LGR PA	M16x1,5	Light grey	22	25	5	100	0.160	**2048914**
116 M20 LGR PA	M20x1,5	Light grey	26	29	6	100	0.173	**2048922**
116 M25 LGR PA	M25x1,5	Light grey	32	36	6.5	100	0.297	**2048930**
116 M32 LGR PA	M32x1,5	Light grey	41	46	7	50	0.610	**2048949**
116 M40 LGR PA	M40x1,5	Light grey	50	56	7	25	1.683	**2048957**
116 M50 LGR PA	M50x1,5	Light grey	60	68	8	25	0.890	**2048965**
116 M63 LGR PA	M63x1,5	Light grey	75	83	8	25	1.467	**2048973**

Locknut DIN 46319, with metric thread IEC 423.

Locknut, metric thread

PA

M



Type	Thread	Colour	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
116 M12 SW PA	M12x1,5	Black	17	19	5	100	0.079	**2049066**
116 M16 SW PA	M16x1,5	Black	22	25	5	100	0.118	**2049074**
116 M20 SW PA	M20x1,5	Black	26	29	6	100	0.170	**2049082**
116 M25 SW PA	M25x1,5	Black	32	36	6.5	100	0.266	**2049090**
116 M32 SW PA	M32x1,5	Black	41	46	7	50	0.610	**2049104**
116 M40 SW PA	M40x1,5	Black	50	56	7	25	0.602	**2049112**
116 M50 SW PA	M50x1,5	Black	60	68	8	25	0.896	**2049120**
116 M63 SW PA	M63x1,5	Black	75	83	8	25	1.259	**2049139**

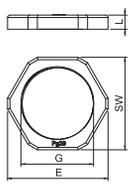
Locknut DIN 46319, with metric thread IEC 423.

PA

Pg

Locknut, PG thread

Type	Thread	Colour	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
116 VDE PG7 PA	Pg 7	Light grey	19	21	5	100	0.093	**2048078**
116 VDE PG 9 PA	Pg 9	Light grey	22	24	5	100	0.169	**2048094**
116 VDE PG11 PA	Pg 11	Light grey	24	26	5	100	0.184	**2048116**
116 VDE PG13.5PA	Pg 13,5	Light grey	27	29	6	100	0.256	**2048132**
116 VDE PG16 PA	Pg 16	Light grey	30	33	6	100	0.325	**2048167**
116 VDE PG21 PA	Pg 21	Light grey	36	39	7	100	0.466	**2048221**
116 VDE PG29 PA	Pg 29	Light grey	46	50	7	50	1.100	**2048299**
116 VDE PG36 PA	Pg 36	Light grey	60	66	8	25	1.683	**2048361**
116 VDE PG42 PA	Pg 42	Light grey	65	73	8	25	1.756	**2048426**
116 VDE PG48 PA	Pg 48	Light grey	70	78	8	25	1.830	**2048485**



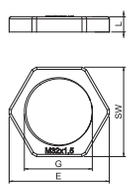
Locknut DIN 46320, with PG thread DIN 40430.

PS

M

Locknut, metric thread

Type	Thread	Colour	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
116 M12 LGR PS	M12 x 1,5	Light grey	17	19	5	100	0.075	**2049503**
116 M16 LGR PS	M16 x 1,5	Light grey	22	25	5	100	0.120	**2049511**
116 M20 LGR PS	M20 x 1,5	Light grey	26	29	6	100	0.167	**2049538**
116 M25 LGR PS	M25 x 1,5	Light grey	32	36	6.5	100	0.260	**2049546**
116 M32 LGR PS	M32 x 1,5	Light grey	41	46	7	50	0.484	**2049554**
116 M40 LGR PS	M40 x 1,5	Light grey	50	56	7	25	0.491	**2049562**
116 M50 LGR PS	M50 x 1,5	Light grey	60	68	8	25	0.732	**2049570**
116 M63 LGR PS	M63 x 1,5	Light grey	75	83	8	25	1.029	**2049589**



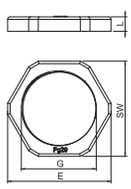
Locknut to DIN 46319, with metric thread IEC 423.
Note: Only tighten polystyrene cable glands lightly due to the risk of stress crack formation.

PS

Pg

Locknut, PG thread

Type	Thread	Colour	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
116 PG 7	Pg 7	Light grey	19	21	5	100	0.099	**2043076**
116 PG 9	Pg 9	Light grey	22	24	5	100	0.118	**2043092**
116 PG11	Pg 11	Light grey	24	26	5	100	0.113	**2043114**
116 PG13.5	Pg 13,5	Light grey	27	29	6	100	0.178	**2043130**
116 PG16	Pg 16	Light grey	30	33	6	100	0.226	**2043165**
116 PG21	Pg 21	Light grey	36	39	7	100	0.346	**2043211**
116 PG29	Pg 29	Light grey	46	50	7	50	0.573	**2043297**
116 PG36	Pg 36	Light grey	60	66	8	25	1.184	**2043351**
116 PG42	Pg 42	Light grey	65	73	8	25	1.089	**2043424**
116 PG48	Pg 48	Light grey	70	78	8	25	1.175	**2043483**



Locknut DIN 46320, with PG thread DIN 40430.
Note: Only tighten polystyrene cable glands lightly due to the risk of stress crack formation.

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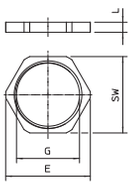
Always indicate the item number when ordering.

Locknut, metric thread

CuZn 37 N M

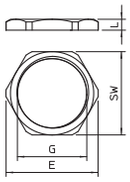


Type	Thread	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
169 MS M12	M12 x 1,5	15	16.6	3	100	0.220	**2091607**
169 MS M16	M16 x 1,5	20	22.1	2.8	100	0.310	**2091615**
169 MS M20	M20 x 1,5	24	25.6	3	100	0.580	**2091623**
169 MS M25	M25 x 1,5	30	33.2	3.5	100	0.880	**2091631**
169 MS M32	M32 x 1,5	35	38.7	4	100	1.016	**2091658**
169 MS M40	M40 x 1,5	45	49.8	4.5	50	1.920	**2091666**
169 MS M50	M50 x 1,5	55	60.4	5.5	50	3.070	**2091674**
169 MS M63	M63 x 1,5	70	77.6	6	25	5.628	**2091682**
169 MS M75	M75 x 1,5	90	100	8	3	16.800	**2091685**

Locknuts DIN 46319 with metric thread IEC 423.
* Prices according to DEL notation.

Locknut, PG thread

CuZn 37 N Pg



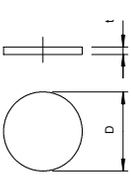
Type	Thread	SW mm	Dim. E mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
169 MS PG 7	Pg 7	15	16.6	2.8	100	0.180	**2091070**
169 MS PG 9	Pg 9	18	20	2.8	100	0.260	**2091097**
169 MS PG11	Pg 11	21	23.5	3	100	0.290	**2091119**
169 MS PG13.5	Pg 13,5	23	25.5	3	100	0.364	**2091135**
169 MS PG16	Pg 16	26	29	3	100	0.460	**2091151**
169 MS PG21	Pg 21	32	35.5	3.5	100	0.720	**2091216**
169 MS PG29	Pg 29	41	45	4	100	1.320	**2091291**
169 MS PG36	Pg 36	51	56	5	50	2.100	**2091364**
169 MS PG42	Pg 42	60	65	5	50	3.266	**2091429**
169 MS PG48	Pg 48	64	69	5.5	25	3.270	**2091488**

Locknuts, part M to DIN 46320 with Pg thread to DIN 40430. * Price according to DEL notation.

Dust protection plate

Dust protection plate, metric

ZELL PE M



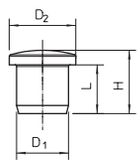
Type	Size mm	Dim. D mm	Dim. t mm	Pack Piece	Weight kg/100 pc.	Item no.
107 S VTEC M12	M12	12	1.5	100	0.001	**2028870**
107 S VTEC M16	M16	16	1.5	100	0.002	**2028873**
107 S VTEC M20	M20	20	1.5	100	0.010	**2028875**
107 S VTEC M25	M25	25	1.5	100	0.008	**2028877**
107 S VTEC M32	M32	32	1.5	100	0.012	**2028880**
107 S VTEC M40	M40	40	1.5	100	0.022	**2028883**
107 S VTEC M50	M50	50	1.5	100	0.040	**2028885**

Cellular polyethylene.
Small protective disc to protect the V-TEC VM and V-TEC VM MS cable glands against dust before the cable is installed.
Application: the discs are pre-mounted between the cap nut and the seal. They do not need to be removed when the cable is installed, but are simply passed through to the interior with the cable.
Note: the discs do not provide any mechanical protection.

PA

Screw plug, metric and PG

Type	Size	Dim. D1 mm	Dim. L mm	Dim. D2 mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
107VS VM 5 PA	M12 / Pg9	5.5	9	10	12.5	50	0.047	**2029511**
107VS VM 9 PA	M16 / Pg13,5	9.5	12	13.5	16	50	0.090	**2029514**
107VS VM 12 PA	M20 / Pg16	12	12	16.5	16.5	50	0.130	**2029517**
107VS VM 16 PA	M25 / Pg21	16	15	20.5	19.5	50	0.190	**2029520**
107VS VM 20 PA	M32 / Pg29	20	17	24.5	21.5	25	0.250	**2029523**
107VS VM 27 PA	M40 / Pg36	27	20	32	24	10	0.353	**2029529**
107VS VM 35 PA	M50 / Pg42	35	25	39	29	5	0.500	**2029533**



Screw plug in for dust-proof and waterproof closure of installed but (as yet) unfilled V-TEC... cable glands.

Electrical insulating and sealing compound

Type	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
115 GR-GN	Natural	90	10	11.020	**2340038**

In rods.
Permanently elastic, fibre-free sealing kit on a polymer and a mineral basis to fill cavities in installations, e.g. cable glands or similar components, to prevent the entry of dirt and water.
Colour: Natural
Characteristics of the sealing kit:
- Halogen-, acid- and silicone-free
- Can also be processed at low temperatures
- Permanent heat resistance to +80 °C
- Corrosion-resistant
- Low water consumption
- Good insulation properties
- Puncture strength 16 kV/mm to VDE 0291 Part 2
- Can be stored almost indefinitely

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Installation and fastening clips

Installation and fastening clips

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Quick clip

The high-speed clip

- Extreme loading capacity
- Maximum stability
- Extremely easy mounting
- Insertion slopes
- Slot fastening
- Suitable for lining up
- Latch-in hole/middle stopper

PP

M

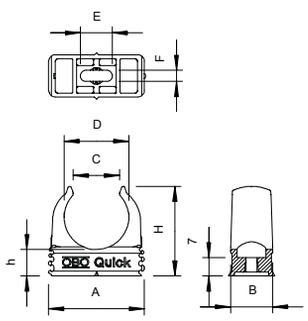
Quick clip

Type	Nominal size	Colour	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
2955 M16	M16	Light grey	1200		100	0.252	**2149004**
2955 M20	M20	Light grey	1200		100	0.325	**2149010**
2955 M25	M25	Light grey	1200		100	0.430	**2149016**
2955 M32	M32	Light grey	600		50	0.630	**2149022**
2955 M40	M40	Light grey	600		50	0.835	**2149028**
2955 M50	M50	Light grey	300		25	1.454	**2149034**
2955 M63	M63	Light grey	240		20	2.203	**2149040**

Flush-mounted clip to accept metric steel armoured pipes and heavy-duty insulating pipes, as well as Quick Pipe electrical installation pipes. Universal fastening options on walls and ceilings, both in indoor and protected outdoor areas. With slot for side alignment during mounting with wood screw or knock-in anchor. Toolless pipe mounting. Can also be arranged with OBO Multi-Quick or starQuick clip. M16 - M32 size can be screwed onto M6 thread. Recommended fastening spacing 50–60 cm, for max. extraction values F at a room temperature of 20 °C, see the table.

Type	Nominal size	Dim. A mm	Dim. B mm	Dim. C mm	Dim. D mm	Dim. E mm	Dim. F mm	Dim. H mm	Dim. mm	Pull-out value N
2955 M16	M16	25.3	16	11,5	15.5	7	4.2	25	10	75
2955 M20	M20	30.3	16	14	19.4	9	4.2	29.5	10	90
2955 M25	M25	36.3	16	17,5	24.3	12	4.2	34	10	100
2955 M32	M32	46.3	16	22,4	31.4	12	4.2	42	11	120
2955 M40	M40	57.3	16	26	39.2	11	4.6	51	12	140
2955 M50	M50	70.3	18	32	49	12	6	63	14	165
2955 M63	M63	87.3	20	43	61.5	12	6	74.5	15	230

Dimensions



PP

M

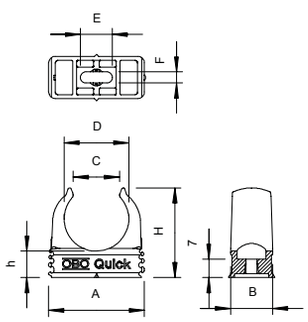
Quick clip, black

Type	Nominal size	Colour		Pack Piece	Weight kg/100 pc.	Item no.
2955 M16 SW	M16	Jet black		100	0.252	**2149559**
2955 M20 SW	M20	Jet black		100	0.325	**2149563**
2955 M25 SW	M25	Jet black		100	0.430	**2149567**
2955 M32 SW	M32	Jet black		50	0.630	**2149571**
2955 M40 SW	M40	Jet black		50	0.835	**2149575**
2955 M50 SW	M50	Jet black		25	1.454	**2149579**
2955 M63 SW	M63	Jet black		20	2.203	**2149583**

Flush-mounted clip to accept metric steel armoured pipes and heavy-duty insulating pipes, as well as Quick Pipe electrical installation pipes. Universal fastening options on walls and ceilings, both in indoor and protected outdoor areas. With slot for side alignment during mounting with wood screw or knock-in anchor. Toolless pipe mounting. Can also be arranged with OBO Multi-Quick or starQuick clip. M16 - M32 size can be screwed onto M6 thread. Recommended fastening spacing 50–60 cm, for max. extraction values F at a room temperature of 20 °C, see the table.

Type	Nominal size	Dim. A mm	Dim. B mm	Dim. C mm	Dim. D mm	Dim. E mm	Dim. F mm	Dim. H mm	Dim. mm	Pull-out value N
2955 M16 SW	M16	15	21.5	11,2	15.7	7	4.2	17.6	10	75
2955 M20 SW	M20	30.3	16	14	19.4	9	4.2	29.5	10	90
2955 M25 SW	M25	36.3	16	17,5	24.3	12	4.2	34	10	100
2955 M32 SW	M32	46.3	16	22,4	31.4	12	4.2	42	11	120
2955 M40 SW	M40	57.3	16	26	39.2	11	4.6	51	12	140
2955 M50 SW	M50	70.3	18	32	49	12	6	63	14	165
2955 M63 SW	M63	87.3	20	43	61.5	12	6	74.5	15	230

Dimensions



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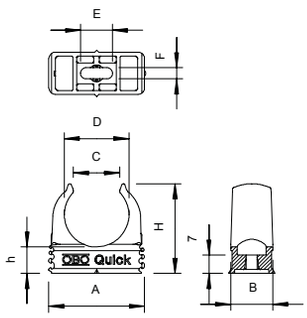
Always indicate the item number when ordering.

Quick clip, flame-resistant, pure white

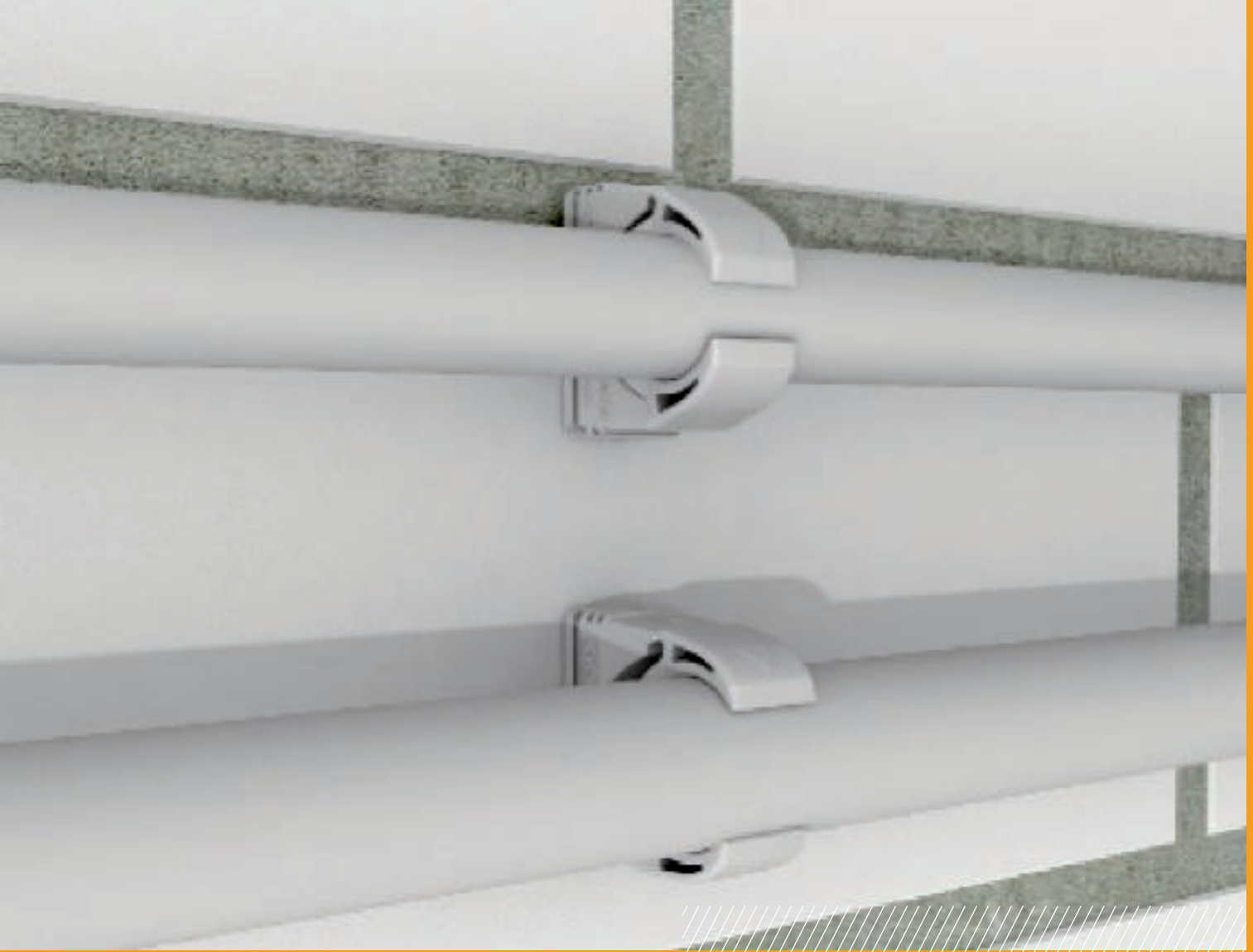
Type	Nominal size	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2955 F M16 RW	M16	Pure white	100	0.252	**2149351**
2955 F M20 RW	M20	Pure white	100	0.325	**2149357**
2955 F M25 RW	M25	Pure white	100	0.430	**2149363**
2955 F M32 RW	M32	Pure white	50	0.630	**2149369**
2955 F M40 RW	M40	Pure white	50	0.835	**2149375**

Flame-resistant, flush-mounted clip to accept metric steel armoured pipes and heavy-duty insulating pipes, as well as Quick Pipe electrical installation pipes. Universal fastening options on walls and ceilings, both in indoor and protected outdoor areas. With slot for side alignment during mounting with wood screw or knock-in anchor. Toolless pipe mounting. Can also be arranged with OBO Multi-Quick or starQuick clip. M16 - M32 size can be screwed onto M6 thread. Recommended fastening spacing 50–60 cm, for max. extraction values F at a room temperature of 20 °C, see the table.

Dimensions



Type	Nominal size	Dim. A mm	Dim. B mm	Dim. C mm	Dim. D mm	Dim. E mm	Dim. F mm	Dim. H mm	Dim. mm	Pull-out value N
2955 F M16 RW	M16	25.3	16	11,5	15.5	7	4.2	25	10	75
2955 F M20 RW	M20	30.3	16	14	19.4	9	4.2	29.5	10	90
2955 F M25 RW	M25	36.3	16	17,5	24.3	12	4.2	34	10	100
2955 F M32 RW	M32	46.3	16	22,4	31.4	12	4.2	42	11	120
2955 F M40 RW	M40	57.3	16	26,0	39.2	11	4.6	51	12	140



Multi-Quick clip

The universal clamp

- PG and metric
- Easy fastening
- Secure locking
- Radial arrangement
- Simplified storage
- Clamping ranges from 15–37 mm
- Universal application

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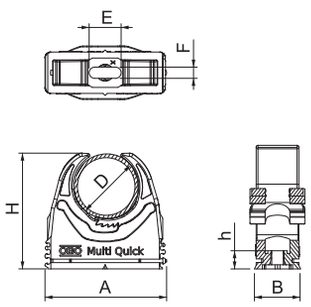
Multi-Quick clip, metric

PA

Type	Clamping range D mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
M-Quick M20 LGR	16-20	Light grey	100	0.600	**2153718**
M-Quick M25 LGR	20-25	Light grey	50	0.930	**2153726**
M-Quick M32 LGR	25-32	Light grey	50	1.390	**2153734**

Flush-mounted clip to accept metric pipes and Quick Pipe electrical installation pipes. Flexible clamping range of several millimetres. Universal fastening options on walls and ceilings, both indoors and outdoors. Toolless pipe mounting. Can also be arranged with OBO Quick or starQuick clip.

Dimensions



Type	Dim. A mm	Dim. B mm	Dim. E mm	Dim. F mm	Dim. H mm	Dim. mm
M-Quick M20 LGR	27.5	15.5	8	4.1	32	7
M-Quick M25 LGR	33	15.5	8	4.1	37	7
M-Quick M32 LGR	43	15.5	8	4.1	46	7

starQuick clip

The safety clamp

- Snap lock with patented safety system
- All sizes clip together, up to size SQ28
- UV- and weatherproof polyamide
- Wall and ceiling mounting

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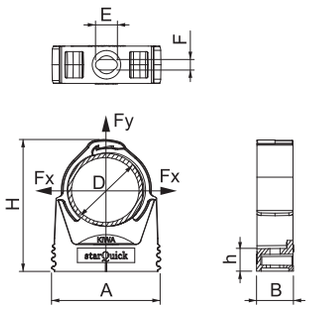
starQuick clip

PA

Type	Clamping range D mm	Colour	Dim. E mm	Dim. F mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SQ-10 LGR	9.5-12	Light grey	10	4.5	10.5	100	0.568	**2146053**
SQ-12 LGR	11.5-15	Light grey	10	4.5	10.5	100	0.540	**2146061**
SQ-15 LGR	14-16.5	Light grey	10	4.5	10.5	100	0.584	**2146096**
SQ-17 LGR	16-20	Light grey	10	4.5	10.5	100	0.640	**2146118**
SQ-20 LGR	19.5-23.5	Light grey	10	4.5	10.5	50	0.670	**2146134**
SQ-25 LGR	24-28	Light grey	10	4.5	10.5	50	0.970	**2146207**
SQ-28 LGR	27.5-32	Light grey	10	4.5	10.5	50	1.070	**2146215**
SQ-32 LGR	31.2-35.8	Light grey	10	4.5	10.5	50	1.230	**2146258**
SQ-36 LGR	35-40.1	Light grey	10	4.5	10.5	25	1.510	**2146290**
SQ-40 LGR	39.3-44.5	Light grey	10	4.5	10.5	25	1.710	**2146320**
SQ-47 LGR	44-50	Light grey	10	4.5	10.5	25	1.980	**2146363**
SQ-51 LGR	48-55	Light grey	10	4.5	10.5	15	2.250	**2146444**
SQ-59 LGR	58.5-65	Light grey	10	4.5	10.5	15	3.300	**2146487**

Highly stable clip to accept plastic and metal electrical and sanitary pipes, as well as the Quick Pipe electrical installation pipe. Universal fastening options on walls, ceilings and steel structures, both indoors and outdoors. Flexible clamping range of several millimetres. Tool-less pipe mounting. Can be arranged to up to Ø 28 mm, also with OBO Quick starQuick clip. For high load values, can be combined with double bracket. Can be mounted on profile rails for variable spacings and numbers of clips.

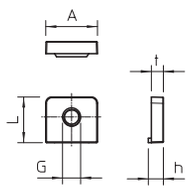
Dimensions



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. H mm	Break load kN
SQ-10 LGR	9.5-12	29	17	31.6	0.5
SQ-12 LGR	11.5-15	29	17	34.5	0.55
SQ-15 LGR	14-16.5	29	17	35.7	0.6
SQ-17 LGR	16-20	29	17	39.8	0.7
SQ-20 LGR	19.5-23.5	29	17	43.5	0.8
SQ-25 LGR	24-28	40	17	49.5	0.85
SQ-28 LGR	27.5-32	40	17	52.8	0.9
SQ-32 LGR	31.2-35.8	43	17	57.3	1
SQ-36 LGR	35-40.1	47	17	65.8	1.1
SQ-40 LGR	39.3-44.5	52	17	69.5	1.2
SQ-47 LGR	44-50	57	17	75.5	1.2
SQ-51 LGR	48-55	63	17	81	1.4
SQ-59 LGR	58.5-65	74	20	94.3	1.5

starQuick nut

PC

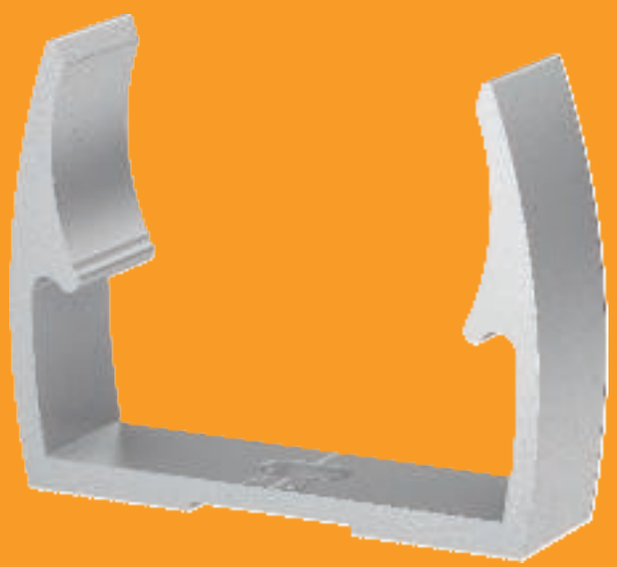


Type	Nominal size	Dim. A mm	Dim. L mm	Dim. mm	Dim. t mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SQ M6	M6	17	15	5	4	Light grey	100	0.070	**2146509**

Nut for insertion in starQuick clip, to mount the clip on an M6 thread.

Quick clip, aluminium

OBO's aluminium Quick clip offers installers a high-quality means of fastening electrical installation pipes. The ingenious design of this product allows fast, easy installation on walls and ceilings. The clip boasts impressively high holding forces.



- Strong clip holding forces thanks to optimised geometry
- Centre mark around slot for easy alignment
- Pipe centring aids for easy insertion of the pipe
- Modern, attractive design

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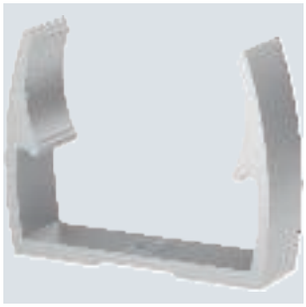
Quick clip, aluminium

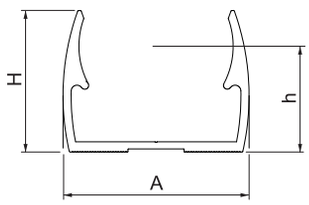
Alu

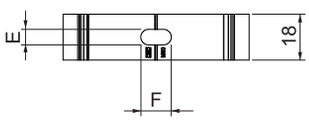


Type	Nominal size	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
ALQ M16	16	1200		100	0.780	**2149916**
ALQ M20	20	1200		100	0.900	**2149920**
ALQ M25	25	100		100	1.110	**2149925**
ALQ M32	32	600		50	1.600	**2149932**
ALQ M40	40	50		50	2.400	**2149940**
ALQ M50	50	300		25	2.730	**2149950**
ALQ M63	63	20		20	3.340	**2149963**

OBO Quick clip, type ALQ M, for all metric ALU pipe systems, as well as light-duty and heavy-duty 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.
Slot for side alignment during mounting with wood screw or knock-in anchor.
Recommended fastening spacing 50–60 cm.

Dimensions

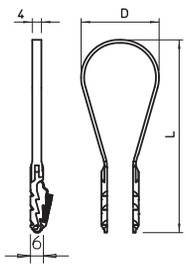




Type	Dim. A mm	Dim. B mm	Dim. E mm	Dim. F mm	Dim. H mm	Dim. mm
ALQ M16	22	18	5.1	9.5	25	18.5
ALQ M20	25	18	5.1	9.5	27.5	20
ALQ M25	31	18	5.1	9.5	30	22
ALQ M32	39	18	5.1	9.5	35	26
ALQ M40	50	18	6.1	12	42	30.5
ALQ M50	60	18	6.1	12	46.5	33.5
ALQ M63	73	18	6.1	12	55.5	41.5

BKS clamp clip

PA

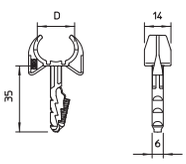


Type	Clamping range D mm	Dim. L mm	Dim. D mm	Pull-out value N	Colour	Pack Piece	Weight kg/100 pc.	Item no.
1973 3-13 LGR	3-13	52	13	500	Light grey	100	0.089	**2148803**
1973 8-28 LGR	8-28	70	27	500	Light grey	100	0.122	**2148846**
1973 20-40 LGR	20-40	89	36	500	Light grey	100	0.150	**2148862**

For cables, flexible pipes and all kinds of insulating and armoured steel pipes, suitable for concrete, calcareous limestone and full brick. Use in gas concrete masonry is possible, but reduced load capacities must be expected.

Snap clip

PA

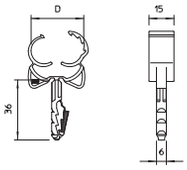


Type	Clamping range D mm	Drill hole depth mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
1975 12-15	12-15	40	Light grey	100	0.251	**2148021**
1975 16-19	16-19	40	Light grey	100	0.372	**2148048**
1975 19-22	19-22.5	40	Light grey	100	0.533	**2148056**

With moulded-on push-fit plug for rapid mounting in concrete walls and masonry.
Push plug into hole until the clip makes contact with the surface. When the pipe is pressed into the clip, the arms of the clip grip it.

Click-snap clip

PA

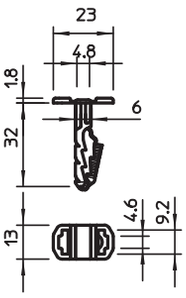


Type	Clamping range D mm	Breaking load for concrete B25 N	Colour	Pack Piece	Weight kg/100 pc.	Item no.
1976 12-15	12-15.5	190 N	Light grey	100	0.245	**2148501**
1976 16-21	16-21.5	500 N	Light grey	100	0.443	**2148528**
1976 22-28	22.5-28.5	500 N	Light grey	100	0.781	**2148536**

With moulded-on push-fit plug for rapid mounting in concrete walls and masonry.
Push plug into hole until the clip makes contact with the surface. When the pipe is pressed into the clip, the arms of the clip grip it.

Push-fit anchor for cable ties

PA



Type	Drill hole depth mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
910 STK 6x30	35	Light grey	100	0.108	**2351609**

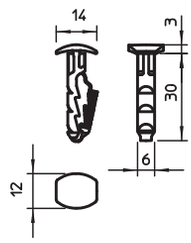
The push-fit anchor can accept a cable tie (type 550 or 555) up to 9 mm wide, which can be used to install several cables and pipes.
Suitable for concrete, lime sandstone and brickwork as solid brick. Use in gas concrete masonry is possible, but reduced load capacities must be expected.

PA

Push-fit anchor with mushroom head

Type	Dowel Ø mm	Length mm	Drill hole depth mm	Pack Piece	Weight kg/100 pc.	Item no.
910 STP 6x30	6	30	35	100	0.101	**2351412**

The push-fit anchor allows simple mounting, e.g. of labelling panels or small WDK ducts. Suitable for concrete, lime sandstone and brickwork as solid brick. Use in gas concrete masonry is possible, but reduced load capacities must be expected.



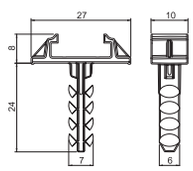
PA

Ø6

Push-fit anchor for Quick clip, type 2957

Type	Dowel Ø mm	Length mm	Drill hole depth mm	Pack Piece	Weight kg/100 pc.	Item no.
910 STQS 6x26	6	26	30	100	0.110	**2351650**

Push-fit anchor suitable for Quick clip, type 2957. The anchor is fixed to the Quick clip by a locking mechanism. Suitable for rapid mounting in concrete walls and masonry.
The anchor is pushed into the hole until the clip makes contact with the surface.



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Always indicate the item number when ordering.

Cable and pipe spacer clips

Safe fastening of cables and pipe systems on walls, on floors and on ceilings. The distance from the fastening substrate can be adjusted variably using the thread on the screw or a custom-length threaded rod. M6 bolt ties, angler anchors or Sprint screws (to be ordered separately) are required for fastening. Tested and approved in systems for maintaining electrical functionality of classes E30 to E90 according to DIN 4102 Part 12.

Cable and pipe spacer clip 732 with M6 threaded connection

E30 E90

Cable and pipe spacer clip 733

St G

E30 E60 E90

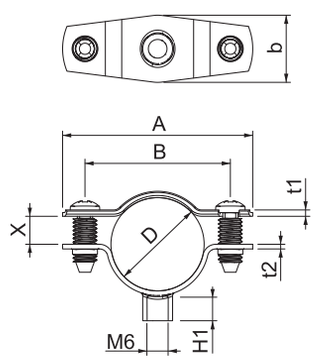
Spacer clip 732

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
ASG 732 6 G	5-6	25	1.136	**1362404**
ASG 732 7 G	6-7	25	1.341	**1362406**
ASG 732 8 G	7-8	25	1.349	**1362408**
ASG 732 10 G	8-10	25	1.504	**1362410**
ASG 732 12 G	10-12	25	1.567	**1362412**
ASG 732 14 G	12-14	25	1.638	**1362414**
ASG 732 17 G	14-17	25	1.793	**1362417**
ASG 732 20 G	17-20	25	1.895	**1362420**
ASG 732 25 G	20-25	25	2.145	**1362424**
ASG 732 30 G	25-30	20	3.157	**1362428**
ASG 732 36 G	30-36	20	3.664	**1362432**
ASG 732 44 G	36-44	20	4.002	**1362436**
ASG 732 53 G	44-53	20	4.713	**1362440**
ASG 732 63 G	53-63	20	5.231	**1362444**

Spacer clip for the installation of pipes and cables on walls, ceilings and floors. With self-locking cover. Fastening via attachment piece with internal thread.
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E 30 to E 90.

Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. x mm	Dim. b mm	Dimension t1 mm	Dimension t2 mm	Dim. H1 mm
ASG 732 6 G	5-6	35	23	1.5	18	1	1.25	6.5
ASG 732 7 G	6-7	35	23	1.5	18	1	1.25	6.5
ASG 732 8 G	7-8	35	23	1.5	18	1	1.25	6.5
ASG 732 10 G	8-10	37	25	3	18	1	1.25	6.5
ASG 732 12 G	10-12	39	27	3	18	1	1.25	6.5
ASG 732 14 G	12-14	41	29	3	18	1	1.25	6.5
ASG 732 17 G	14-17	44	32	4.5	18	1	1.25	6.5
ASG 732 20 G	17-20	47	35	4.5	18	1	1.25	6.5
ASG 732 25 G	20-25	51	39	7.5	18	1	1.25	6.5
ASG 732 30 G	25-30	59	45	7.5	18	1.5	1.5	6.5
ASG 732 36 G	30-36	65	51	9	18	1.5	1.5	6.5
ASG 732 44 G	36-44	73	59	12	18	1.5	1.5	6.5
ASG 732 53 G	44-53	84	70	13.5	18	1.5	1.5	6.5
ASG 732 63 G	53-63	94	80	15	18	1.5	1.5	6.5

Dimensions



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Always indicate the item number when ordering.

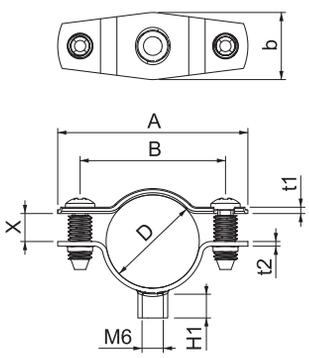
Spacer clip 732

St FT
E30 E60 E90

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
ASG 732 6 FT	5-6	25	1.398	**1362354**
ASG 732 7 FT	6-7	25	1.415	**1362356**
ASG 732 8 FT	7-8	25	1.424	**1362358**
ASG 732 10 FT	8-10	25	1.585	**1362360**
ASG 732 12 FT	10-12	25	1.653	**1362362**
ASG 732 14 FT	12-14	25	1.729	**1362364**
ASG 732 17 FT	14-17	25	1.892	**1362367**
ASG 732 20 FT	17-20	25	2.002	**1362369**
ASG 732 25 FT	20-25	25	2.261	**1362372**
ASG 732 30 FT	25-30	20	3.309	**1362374**
ASG 732 36 FT	30-36	20	3.840	**1362378**
ASG 732 44 FT	36-44	20	4.197	**1362382**
ASG 732 53 FT	44-53	20	4.942	**1362386**
ASG 732 63 FT	53-63	20	5.492	**1362389**

Spacer clip for the installation of pipes and cables on walls, ceiling and floors. With self-locking upper part. Surfaces G and FT from a clip size of 20 are suitable for the installation with a nail device or a bolt-firing tool.
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E30 to E90.

Dimensions



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. x mm	Dim. b mm	Dimension t1 mm	Dimension t2 mm	Dim. H1 mm
ASG 732 6 FT	5-6	35	23	1.5	18	1	1.25	6.5
ASG 732 7 FT	6-7	35	23	1.5	18	1	1.25	6.5
ASG 732 8 FT	7-8	35	23	1.5	18	1	1.25	6.5
ASG 732 10 FT	8-10	37	25	3	18	1	1.25	6.5
ASG 732 12 FT	10-12	39	27	3	18	1	1.25	6.5
ASG 732 14 FT	12-14	41	29	3	18	1	1.25	6.5
ASG 732 17 FT	14-17	44	32	4.5	18	1	1.25	6.5
ASG 732 20 FT	17-20	47	35	4.5	18	1	1.25	6.5
ASG 732 25 FT	20-25	51	39	7.5	18	1	1.25	6.5
ASG 732 30 FT	25-30	59	45	7.5	18	1.5	1.5	6.5
ASG 732 36 FT	30-36	65	51	9	18	1.5	1.5	6.5
ASG 732 44 FT	36-44	73	59	12	18	1.5	1.5	6.5
ASG 732 53 FT	44-53	84	70	13.5	18	1.5	1.5	6.5
ASG 732 63 FT	53-63	94	80	15	18	1.5	1.5	6.5

VA

E30 E60 E90

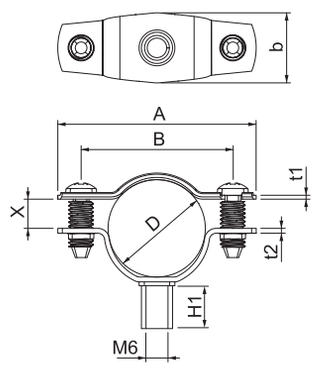
Spacer clip 732

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
ASG 732 6 A2	5-6	25	1.537	**1362622**
ASG 732 7 A2	6-7	25	1.553	**1362624**
ASG 732 8 A2	7-8	25	1.561	**1362626**
ASG 732 10 A2	8-10	25	1.749	**1362628**
ASG 732 12 A2	10-12	25	1.796	**1362630**
ASG 732 14 A2	12-14	25	1.859	**1362632**
ASG 732 17 A2	14-17	25	2.007	**1362634**
ASG 732 20 A2	17-20	25	2.110	**1362636**
ASG 732 25 A2	20-25	25	2.361	**1362638**
ASG 732 30 A2	25-30	20	3.321	**1362640**
ASG 732 36 A2	30-36	20	3.728	**1362642**
ASG 732 44 A2	36-44	20	4.099	**1362644**
ASG 732 53 A2	44-53	20	4.781	**1362646**
ASG 732 63 A2	53-63	20	5.301	**1362648**

Spacer clip for the installation of pipes and cables on walls, ceiling and floors. With self-locking upper part. Surfaces G and FT from a clip size of 20 are suitable for the installation with a nail device or a bolt-firing tool.
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E30 to E90.

Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. x mm	Dim. b mm	Dimension t1 mm	Dimension t2 mm	Dim. H1 mm
ASG 732 6 A2	5-6	35	23	1.5	18	1	1.25	12
ASG 732 7 A2	6-7	35	23	1.5	18	1	1.25	12
ASG 732 8 A2	7-8	35	23	1.5	18	1	1.25	12
ASG 732 10 A2	8-10	37	25	3	18	1	1.25	12
ASG 732 12 A2	10-12	39	27	3	18	1	1.25	12
ASG 732 14 A2	12-14	41	29	3	18	1	1.25	12
ASG 732 17 A2	14-17	44	32	4.5	18	1	1.25	12
ASG 732 20 A2	17-20	47	35	4.5	18	1	1.25	12
ASG 732 25 A2	20-25	51	39	7.5	18	1	1.25	12
ASG 732 30 A2	25-30	59	45	7.5	18	1.5	1.5	12
ASG 732 36 A2	30-36	65	51	9	18	1.5	1.5	12
ASG 732 44 A2	36-44	73	59	12	18	1.5	1.5	12
ASG 732 53 A2	44-53	84	70	13.5	18	1.5	1.5	12
ASG 732 63 A2	53-63	94	80	15	18	1.5	1.5	12

Dimensions



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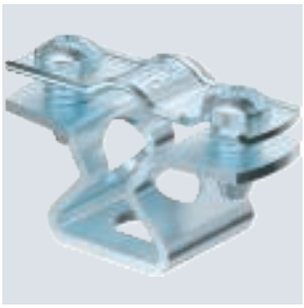
Always indicate the item number when ordering.

Spacer clip 733

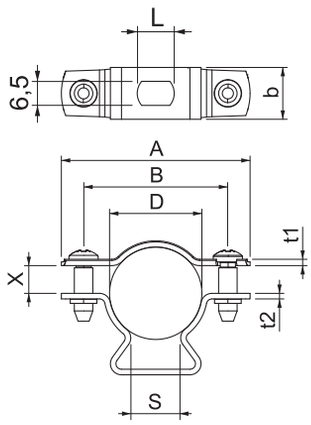
St G
E30 E60 E90



Type	Clamping range D mm		Pack Piece	Weight kg/100 pc.	Item no.
ASL 733 10 G	8-10		25	1.794	**1362754**
ASL 733 12 G	10-12		25	1.857	**1362756**
ASL 733 14 G	12-14		25	1.936	**1362758**
ASL 733 17 G	14-17		25	2.099	**1362762**
ASL 733 20 G	17-20		25	2.201	**1362764**
ASL 733 25 G	20-25		25	2.419	**1362768**
ASL 733 30 G	25-30		20	3.401	**1362772**
ASL 733 36 G	30-36		20	3.774	**1362776**
ASL 733 44 G	36-44		20	4.151	**1362780**
ASL 733 53 G	44-53		20	5.616	**1362784**
ASL 733 63 G	53-63		20	6.212	**1362788**

Spacer clip for the installation of pipes and cables on walls, ceilings and floors. With self-locking cover. Fastening via slot
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E 30 to E 90.

Dimensions



Type	Dim. A mm	Dim. B mm	Dim. x mm	Dimension t1 mm	Dimension t2 mm	Dim. L mm	Dim. b mm	Dimension s mm
ASL 733 10 G	37	25	3	1	1.5	10	16	5.5
ASL 733 12 G	39	27	3	1	1.5	10	14	6.9
ASL 733 14 G	41	29	3	1	1.5	10	14	8
ASL 733 17 G	44	32	4.5	1	1.5	10	14	9.5
ASL 733 20 G	47	35	4.5	1	1.5	10	14	12
ASL 733 25 G	51	39	7.5	1	1.5	10	14	13.5
ASL 733 30 G	59	45	7.5	1.5	1.5	10	16	16.5
ASL 733 36 G	65	51	9	1.5	1.5	10	16	20
ASL 733 44 G	73	59	12	1.5	1.5	10	16	24
ASL 733 53 G	84	70	13.5	1.5	2	10	16	29.5
ASL 733 63 G	94	80	15	1.5	2	10	16	35.3

St FT

E30 E60 E90

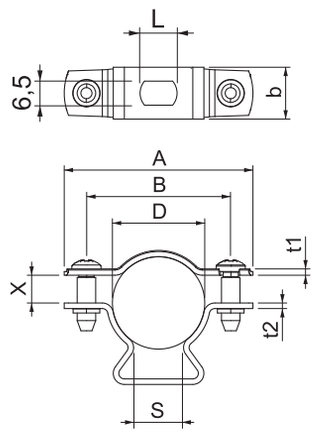
Spacer clip 733

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
ASL 733 10 FT	8-10	25	1.883	**1362704**
ASL 733 12 FT	10-12	25	1.951	**1362706**
ASL 733 14 FT	12-14	25	2.035	**1362708**
ASL 733 17 FT	14-17	25	2.206	**1362712**
ASL 733 20 FT	17-20	25	2.000	**1362714**
ASL 733 25 FT	20-25	25	2.540	**1362718**
ASL 733 30 FT	25-30	20	3.567	**1362722**
ASL 733 36 FT	30-36	20	3.956	**1362726**
ASL 733 44 FT	36-44	20	4.356	**1362730**
ASL 733 53 FT	44-53	20	5.850	**1362734**
ASL 733 63 FT	53-63	20	6.477	**1362738**

Spacer clip for the installation of pipes and cables on walls, ceilings and floors. With self-locking cover. Fastening via slot
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E 30 to E 90.

Type	Dim. A mm	Dim. B mm	Dim. x mm	Dimension t1 mm	Dimension t2 mm	Dim. L mm	Dim. b mm	Dimension s mm
ASL 733 10 FT	37	25	3	1	1.5	10	16	5.5
ASL 733 12 FT	39	27	3	1	1.5	10	14	6.9
ASL 733 14 FT	41	29	3	1	1.5	10	14	8
ASL 733 17 FT	44	32	4.5	1	1.5	10	14	9.5
ASL 733 20 FT	47	35	4.5	1	1.5	10	14	12
ASL 733 25 FT	51	39	7.5	1	1.5	10	14	13.5
ASL 733 30 FT	59	45	7.5	1.5	1.5	10	16	16.5
ASL 733 36 FT	65	51	9	1.5	1.5	10	16	20
ASL 733 44 FT	73	59	12	1.5	1.5	10	16	24
ASL 733 53 FT	84	70	13.5	1.5	2	10	16	29.5
ASL 733 63 FT	94	80	15	1.5	2	10	16	35.3

Dimensions



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Always indicate the item number when ordering.

Spacer clip 733

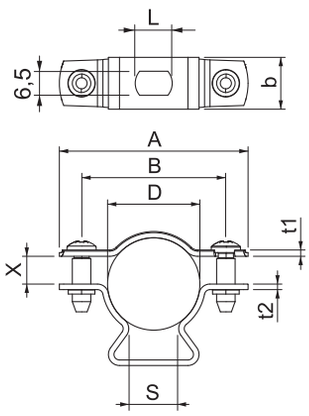
VA

E30 E60 E90

Type	Clamping range D mm		Pack Piece	Weight kg/100 pc.	Item no.
ASL 733 10 A2	8-10		25	1.804	**1362976**
ASL 733 12 A2	10-12		25	1.867	**1362978**
ASL 733 14 A2	12-14		25	1.946	**1362980**
ASL 733 17 A2	14-17		25	2.110	**1362982**
ASL 733 20 A2	17-20		25	2.213	**1362984**
ASL 733 25 A2	20-25		25	2.432	**1362986**
ASL 733 30 A2	25-30		20	3.416	**1362988**
ASL 733 36 A2	30-36		20	3.792	**1362990**
ASL 733 44 A2	36-44		20	4.170	**1362992**
ASL 733 53 A2	44-53		20	5.643	**1362994**
ASL 733 63 A2	53-63		20	6.242	**1362996**

Spacer clip for the installation of pipes and cables on walls, ceilings and floors. With self-locking cover. Fastening via slot
Approved for the maintenance of electrical function according to DIN 4102 Part 12, maintenance of electrical function classes E 30 to E 90.

Dimensions



Type	Dim. A mm	Dim. B mm	Dim. x mm	Dimension t1 mm	Dimension t2 mm	Dim. L mm	Dim. b mm	Dimension s mm
ASL 733 10 A2	37	25	3	1	1.5	10	16	5.5
ASL 733 12 A2	39	27	3	1	1.5	10	14	6.9
ASL 733 14 A2	41	29	3	1	1.5	10	14	8
ASL 733 17 A2	44	32	4.5	1	1.5	10	14	9.5
ASL 733 20 A2	47	35	4.5	1	1.5	10	14	12
ASL 733 25 A2	51	39	7.5	1	1.5	10	14	13.5
ASL 733 30 A2	59	45	7.5	1.5	1.5	10	16	16.5
ASL 733 36 A2	65	51	9	1.5	1.5	10	16	20
ASL 733 44 A2	73	59	12	1.5	1.5	10	16	24
ASL 733 53 A2	84	70	13.5	1.5	2	10	16	29.5
ASL 733 63 A2	94	80	15	1.5	2	10	16	35.3

Alu

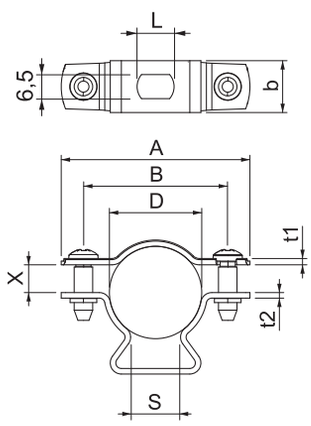
Spacer clip 733

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
ASL 733 10 ALU	8-10	25	0.917	**1362804**
ASL 733 12 ALU	10-12	25	0.938	**1362806**
ASL 733 14 ALU	12-14	25	0.965	**1362808**
ASL 733 17 ALU	14-17	25	1.062	**1362812**
ASL 733 20 ALU	17-20	25	1.097	**1362814**
ASL 733 25 ALU	20-25	25	1.254	**1362818**
ASL 733 30 ALU	25-30	20	1.592	**1362822**
ASL 733 36 ALU	30-36	20	1.802	**1362826**
ASL 733 44 ALU	36-44	20	1.931	**1362830**
ASL 733 53 ALU	44-53	20	2.537	**1362834**
ASL 733 63 ALU	53-63	20	2.742	**1362838**

Spacer clip for the installation of pipes and cables on walls, ceilings and floors. With self-locking upper part. Fastening via slot. From the clip size of 20 suitable for the installation with a nail device or bolt-firing device.
Approved for the maintenance of electrical function to DIN 4102 Part 12, maintenance of electrical function classes E30 to E90 (except ALU).

Type	Dim. A mm	Dim. B mm	Dim. x mm	Dimension t1 mm	Dimension t2 mm	Dim. L mm	Dim. b mm	Dimension s mm
ASL 733 10 ALU	37	25	3	1	1.5	10	16	5.5
ASL 733 12 ALU	39	27	3	1	1.5	10	14	6.9
ASL 733 14 ALU	41	29	3	1	1.5	10	14	8
ASL 733 17 ALU	44	32	4.5	1	1.5	10	14	9.5
ASL 733 20 ALU	47	35	4.5	1	1.5	10	14	12
ASL 733 25 ALU	51	39	7.5	1	1.5	10	14	13.5
ASL 733 30 ALU	59	45	7.5	1.5	1.5	10	16	16.5
ASL 733 36 ALU	65	51	9	1.5	1.5	10	16	20
ASL 733 44 ALU	73	59	12	1.5	1.5	10	16	24
ASL 733 53 ALU	84	70	13.5	1.5	2	10	16	29.5
ASL 733 63 ALU	94	80	15	1.5	2	10	16	35.3

Dimensions



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Always indicate the item number when ordering.

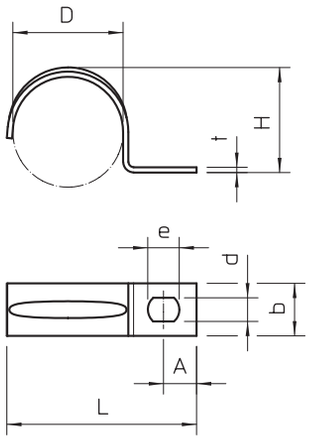
Fastening clip 604, light-duty

St G

Type	For Ø mm	Hole size mm	Material thickness mm		Pack Piece	Weight kg/100 pc.	Item no.
604 3 G	3	4,5x6	0.7		100	0.052	**1003038**
604 4 G	4	4,5x6	0.7		100	0.067	**1003046**
604 5 G	5	4,5x6	0.7		100	0.084	**1003054**
604 6 G	6	4,5x6	0.7		100	0.099	**1003062**
604 7 G	7	4,5x6	0.7		100	0.120	**1003070**
604 8 G	8	4,5x6	0.7		100	0.123	**1003089**
604 9 G	9	4,5x6	0.7		100	0.139	**1003097**
604 10 G	10	4,5x6	0.7		100	0.150	**1003100**
604 11 G	11	4,5x6	1		100	0.270	**1003119**
604 12 G	12	4,5x6	0.7		100	0.240	**1003127**
604 13 G	13	4,5x6	1		100	0.280	**1003135**
604 16 G	16	4,5x6	1		100	0.348	**1003178**
604 19 G	19	4,5x6	1		100	0.411	**1003194**
604 20 G	20	4,5x6	1		100	0.431	**1003208**
604 21 G	21	4,5x6	1		100	0.447	**1003216**
604 23 G	23	4,5x6	1		100	0.490	**1003232**
604 25 G	25	4,5x6	1		100	0.900	**1003259**
604 28 G	28	4,5x6	1		100	0.874	**1003283**
604 32 G	32	4,5x6	1		100	1.462	**1003321**
604 35 G	35	5,5x7	1.5		100	1.355	**1003356**
604 37 G	37	5,5x7	1.5		100	1.567	**1003372**
604 40 G	40	5,5x7	1.5		100	1.860	**1003402**
604 47 G	47	5,5x7	1.5		50	2.484	**1003461**

Single-lobe fastening clip for cables and pipes.
* Sizes 3 and 4 are not suitable for nail device
* Sizes 3 to 21 are not suitable for bolt-firing tool

Dimensions



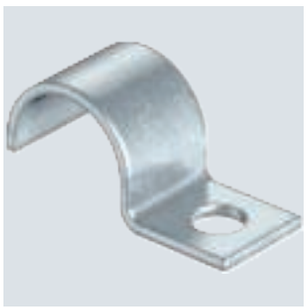
Type	Dim. L mm	Dim. A mm	Dim. e mm	Dim. d mm	Dim. b mm	Dim. D mm	Dim. t mm	Dim. H mm
604 3 G	12	4	6	4.5	7	3	0.7	2.4
604 4 G	14	4	6	4.5	7	4	0.7	3.3
604 5 G	16.5	5	6	4.5	7	5	0.7	4.5
604 6 G	17.5	5	6	4.5	8	6	0.7	5.2
604 7 G	19.5	5	6	4.5	8	7	0.7	6.5
604 8 G	21	5.5	6	4.5	8	8	0.7	7
604 9 G	21.5	5.75	6	4.5	8	9	0.7	8
604 10 G	22	5	6	4.5	8	10	0.7	9
604 11 G	24	5.5	6	4.5	10	11	1	10
604 12 G	27	6.5	6	4.5	10	12	0.7	11
604 13 G	27	6	6	4.5	10	13	1	11.5
604 16 G	31	6.5	6	4.5	10	16	1	14.5
604 19 G	33	6.5	6	4.5	10	19	1	17
604 20 G	35	6.3	6	4.5	10	20	1	18
604 21 G	36	6.3	6	4.5	10	21	1	19
604 23 G	39	7	6	4.5	10	23	1	21.5
604 25 G	41.34	7	6	4.5	15	25	1	23
604 28 G	45	7	6	4.5	15	28	1	24.8
604 32 G	48.82	8	7	5.5	15	32	1.5	30
604 35 G	54	8.75	7	5.5	14	35	1.5	30
604 37 G	56	7.5	7	5.5	14	37	1.5	34
604 40 G	63	10.5	7	5.5	14	40	1.5	38
604 47 G	69	10	7	5.5	14	47	1.5	43.8

VA 2B

Fastening clip 1015

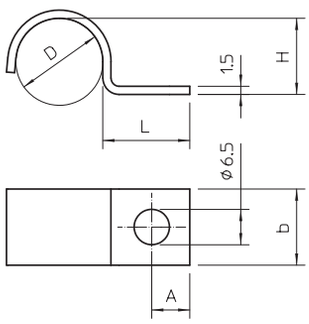
Type	For Ø mm	Hole size mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
1015 6 A2	6	6,5	1.5	100	0.341	**1008633**
1015 7 A2	7	6,5	1.5	100	0.420	**1008641**
1015 8 A2	8	6,5	1.5	100	0.428	**1008668**
1015 10 A2	10	6,5	1.5	100	0.560	**1008684**
1015 12 A2	12	6,5	1.5	100	0.672	**1008706**

Single-lobe fastening clip for cables and pipes.



Type	Dim. D mm	Dim. L mm	Dim. H mm	Dim. b mm	Dim. A mm
1015 6 A2	6	16	5	12	7
1015 7 A2	7	16	6	12	7
1015 8 A2	8	16	7	12	7
1015 10 A2	10	16	9	12	7
1015 12 A2	12	16	11	14	7

Dimensions



St G

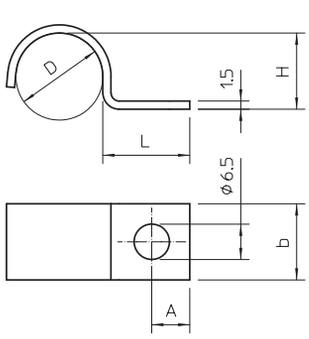
Fastening clip 1015, medium-duty

Type	For Ø mm	Hole size mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
1015 5 G	5	6,5	1.5	100	0.325	**1009028**
1015 6 G	6	6,5	1.5	100	0.385	**1009036**
1015 7 G	7	6,5	1.5	100	0.418	**1009044**
1015 8 G	8	6,5	1.5	100	0.428	**1009052**
1015 9 G	9	6,5	1.5	100	0.468	**1009060**
1015 10 G	10	6,5	1.5	100	0.560	**1009079**
1015 11 G	11	6,5	1.5	100	0.632	**1009087**
1015 12 G	12	6,5	1.5	100	0.672	**1009109**
1015 13 G	13	6,5	1.5	100	0.683	**1009117**
1015 14 G	14	6,5	1.5	100	0.710	**1009168**
1015 15 G	15	6,5	1.5	100	0.744	**1009184**
1015 16 G	16	6,5	1.5	100	0.753	**1009192**
1015 17 G	17	6,5	1.5	100	0.764	**1009206**
1015 18 G	18	6,5	1.5	100	0.835	**1009214**
1015 20 G	20	6,5	1.5	100	0.921	**1009230**
1015 25 G	25	6,5	1.5	100	1.150	**1009427**
1015 28 G	28	6,5	1.5	100	1.250	**1009362**

Single-lobe fastening clip for cables and pipes.
Beading from size 20.

Type	Dim. D mm	Dim. L mm	Dim. H mm	Dim. b mm	Dim. A mm
1015 5 G	5	16	4	12	7
1015 6 G	6	16	5	12	7
1015 7 G	7	16	6	12	7
1015 8 G	8	16	7	12	7
1015 9 G	9	16	8	12	7
1015 10 G	10	16	9	12	7
1015 11 G	11	16	10	14	7
1015 12 G	12	16	11	14	7
1015 13 G	13	16	12	14	7
1015 14 G	14	16	12.5	14	7
1015 15 G	15	16	13.5	14	7
1015 16 G	16	16	14	14	7
1015 17 G	17	16	15	14	7
1015 18 G	18	16	16	14	7

Dimensions



Always indicate the item number when ordering.

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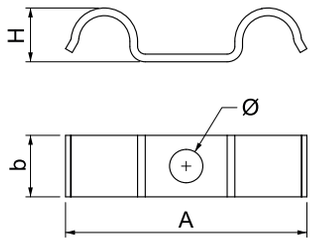
Fastening clip 1015 D

St G

Type	For Ø mm	Hole size mm	Pack Piece	Weight kg/100 pc.	Item no.
1015 D 5 G	5	6,5	100	0.600	**1009455**
1015 D 6 G	6	6,5	100	0.670	**1009457**
1015 D 7 G	7	6,5	100	1.070	**1009459**
1015 D 8 G	8	6,5	100	1.150	**1009461**
1015 D 9 G	9	6,5	100	1.220	**1009463**
1015 D 10 G	10	6,5	100	1.300	**1009465**
1015 D 12 G	12	6,5	100	1.700	**1009469**
1015 D 14 G	14	6,5	100	1.870	**1009473**
1015 D 15 G	15	6,5	100	1.980	**1009475**
1015 D 16 G	16	6,5	100	2.100	**1009477**
1015 D 18 G	18	6,5	100	2.250	**1009481**
1015 D 20 G	20	6,5	100	2.500	**1009485**
1015 D 22 G	22	6,5	100	2.650	**1009489**
1015 D 25 G	25	6,5	100	2.950	**1009493**

Fastening clip with a central fastening point for 2 cables or 2 pipes

Dimensions



Type	Dim. A mm	Dim. b mm	Dim. H mm
1015 D 5 G	33	12	6
1015 D 6 G	35	12	7
1015 D 7 G	41	12	8
1015 D 8 G	43	12	9
1015 D 9 G	45	12	10
1015 D 10 G	47	12	10.5
1015 D 12 G	51	14	12
1015 D 14 G	55	14	14
1015 D 15 G	58	14	15
1015 D 16 G	60	14	16
1015 D 18 G	64	14	18
1015 D 20 G	69	14	21
1015 D 22 G	72	14	22
1015 D 25 G	79	14	25

St FT

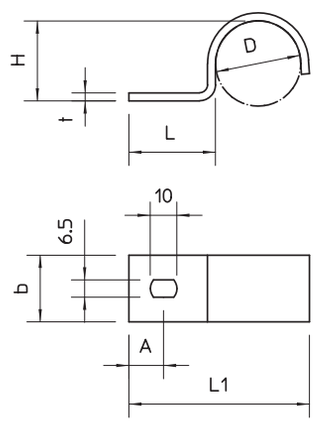
Fastening clip 822, heavy-duty

Type	For Ø mm	Hole size mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
822 6 FT	6	6,5 x 10	2	100	0.885	**1014005**
822 10 FT	10	6,5 x 10	2	100	1.075	**1014013**
822 12 FT	12	6,5 x 10	2	100	1.450	**1014021**
822 14 FT	14	6,5 x 10	2	100	1.600	**1014048**
822 16 FT	15,2	6,5 x 10	2	100	1.733	**1014099**
822 18 FT	18.6	6,5 x 10	2	100	1.946	**1014110**
822 20 FT	20	6,5 x 10	2	100	2.125	**1014137**
822 22.5 FT	22.5	6,5 x 10	2	50	2.338	**1014161**
822 25 FT	25	6,5 x 10	2	50	2.400	**1014501**
822 28.3 FT	28.3	6,5 x 10	2	50	4.420	**1014218**
822 32 FT	32	6,5 x 10	2	100	5.490	**1014528**
822 37 FT	37	6,5 x 10	2	100	7.100	**1014293**
822 40 FT	40	6,5 x 10	2	100	6.590	**1014536**
822 47 FT	47	6,5 x 10	3	100	8.500	**1014366**
822 50 FT	50	6,5 x 10	3	100	7.690	**1014544**
822 63 FT	63	6,5 x 10	3	100	9.260	**1014552**

Single-lobe fastening clip for cables and pipes.

Type	Dim. D mm	Dim. L mm	Dim. H mm	Dim. t mm	Dim. A mm	Dim. L1 mm	Dim. b mm
822 6 FT	6	23.5	5	2	10	32	20
822 10 FT	10	23.5	9	2	10	36	20
822 12 FT	12	23.5	11	2	10	38.5	20
822 14 FT	14	23.5	13	2	10	40.5	20
822 16 FT	15.2	23.5	14	2	10	42	20
822 18 FT	18.6	23.5	17	2	10	45	20
822 20 FT	20	23.5	19.5	2	10	48	20
822 22.5 FT	22.5	23.5	21	2	11	49	20
822 25 FT	25	25.5	23.5	3	11	53	20
822 28.3 FT	28.3	27	26.5	3	11	60	20
822 32 FT	32	32.5	30	3	13	68	25
822 37 FT	37	30	35	3	13	70	25
822 40 FT	40	32.5	38	3	13	76	25
822 47 FT	47	30	45	3	13	81	25
822 50 FT	50	32.5	47	3	15	86	25
822 63 FT	63	33.5	60	3	15	100	25

Dimensions



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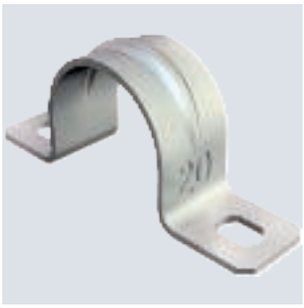
Always indicate the item number when ordering.

Fastening clip 605, medium-duty

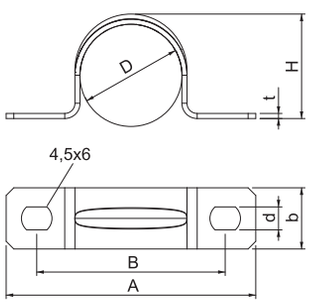
St G



Type	For Ø mm	Hole size mm	Material thickness mm		Pack Piece	Weight kg/100 pc.	Item no.
605 7 G	7	4,5x6	1		100	0.183	**1018078**
605 8 G	8	4,5x6	1		100	0.203	**1018086**
605 9 G	9	4,5x6	1		100	0.246	**1018094**
605 10 G	10	4,5x6	1		100	0.432	**1018108**
605 11 G	11	4,5x6	1		100	0.462	**1018116**
605 12 G	12	4,5x6	1		100	0.485	**1018124**
605 13 G	13	4,5x6	1		100	0.532	**1018132**
605 14 G	14	4,5x6	1		100	0.560	**1018140**
605 15 G	15	4,5x6	1		100	0.584	**1018159**
605 16 G	16	4,5x6	1		100	0.585	**1018167**
605 17 G	17	4,5x6	1		100	0.604	**1018175**
605 18 G	18	4,5x6	1		100	0.640	**1018183**
605 19 G	19	4,5x6	1		100	0.671	**1018191**
605 20 G	20	4,5x6	1		100	0.664	**1018205**
605 21 G	21	4,5x6	1		100	0.678	**1018213**
605 23 G	23	4,5x6	1		100	0.826	**1018221**
605 25 G	25	4,5x6	1		100	0.960	**1018256**
605 26 G	26	4,5x6	1		100	0.975	**1018264**
605 28 G	28	4,5x6	1		100	1.067	**1018280**
605 30 G	30	4,5x6	1		100	1.150	**1018302**
605 32 G	32	4,5x6	1		100	1.260	**1018337**
605 35 G	35	5,5x7	1.5		100	1.921	**1018353**
605 37 G	37	5,5x7	1.5		100	2.007	**1018361**

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

Dimensions



Type	Dim. D mm	Dim. H mm	Dim. t mm	Dim. A mm	Dim. B mm	Dim. b mm	Dim. d mm	Dim. e mm
605 7 G	7	6	1	32	21	10	4.5	6
605 8 G	8	7	1	33	22	10	4.5	6
605 9 G	9	8	1	34	23	10	4.5	6
605 10 G	10	9	1	37	25	12	4.5	6
605 11 G	11	10	1	38	26	12	4.5	6
605 12 G	12	11	1	39	27	12	4.5	6
605 13 G	13	12	1	41	29	12	4.5	6
605 14 G	14	13	1	42	30	12	4.5	6
605 15 G	15	13.5	1	43	31	12	4.5	6
605 16 G	16	14.5	1	44	32	12	4.5	6
605 17 G	17	15.5	1	45	33	12	4.5	6
605 18 G	18	16.5	1	46	34	12	4.5	6
605 19 G	19	17.5	1	47	35	12	4.5	6
605 20 G	20	18.5	1	49	37	12	4.5	6
605 21 G	21	19.5	1	50	38	12	4.5	6
605 23 G	23	21	1	52	40	12	4.5	6
605 25 G	25	23	1	58	44	14	4.5	6
605 26 G	26	24	1	59	45	14	4.5	6
605 28 G	28	26	1	61	47	14	4.5	6
605 30 G	30	28	1	63	49	14	4.5	6
605 32 G	32	30	1	66	52	14	5.5	6
605 35 G	35	32	1.5	70	56	14	5.5	7
605 37 G	37	34	1.5	72	58	14	5.5	7

St G

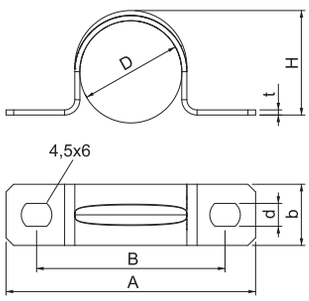
Fastening clip 605, medium-duty

Type	For Ø mm	Hole size mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
605 40 G	40	5,5x7	1.5	50	1.900	**1018396**
605 43 G	43	5,5x7	1.5	50	2.324	**1018434**
605 47 G	47	5,5x7	1.5	50	2.366	**1018477**
605 50 G	50	5,5x7	1.5	25	2.770	**1018507**
605 55 G	55	5,5x7	1.5	25	3.840	**1018558**
605 60 G	60	5,5x7	1.5	25	3.800	**1018604**

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

Type	Dim. D mm	Dim. H mm	Dim. t mm	Dim. A mm	Dim. B mm	Dim. b mm	Dim. d mm	Dim. e mm
605 40 G	40	37	1.5	75	61	14	5.5	7
605 43 G	43	40	1.5	78	64	14	5.5	7
605 47 G	47	44	1.5	82	68	14	5.5	7
605 50 G	50	46	1.5	88	74	16	5.5	7
605 55 G	55	51	1.5	94	78	16	5.5	7
605 60 G	60	56	1.5	99	83	16	5.5	7

Dimensions



St FT

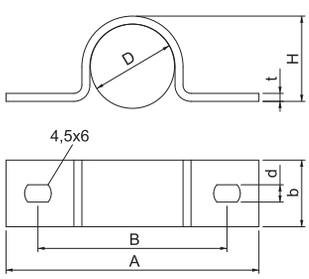
Fastening clip 823, heavy-duty

Type	For Ø mm	Hole size mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
823 16 FT	16	6,5x10	2	50	2.260	**1015095**
823 18.3 FT	18.6	6,5x10	2	50	2.446	**1015117**
823 20 FT	20	6,5x10	2	50	2.662	**1015133**
823 22.5 FT	22.5	6,5x10	2	50	2.988	**1015168**
823 25 FT	25	6,5x10	3	25	6.770	**1015494**
823 28.3 FT	28.3	6,5x10	3	25	5.208	**1015214**
823 32 FT	32	6,5x10	3	100	7.469	**1015496**
823 37 FT	37	6,5x10	3	100	8.700	**1015303**
823 40 FT	40	6,5x10	3	100	8.460	**1015498**
823 47 FT	47	6,5x10	3	100	10.120	**1015362**
823 54 FT	54	6,5x10	3	100	10.760	**1015427**
823 59.3 FT	59.3	6,5x10	3	100	11.800	**1015486**
823 50 FT	50	6,5x10	3	100	9.050	**1015500**
823 63 FT	63	6,5x10	3	100	10.700	**1015508**

Two lobe fastening clips for cables and pipes.

Type	Dim. D mm	Dim. H mm	Dim. t mm	Dim. A mm	Dim. B mm	Dim. b mm
823 16 FT	15.2	13	2	59	40	20
823 18.3 FT	18.6	16	2	62	43	20
823 20 FT	20.4	18	2	64	45	20
823 22.5 FT	22.5	20	2	67	48	20
823 25 FT	25	23.5	3	79	60	25
823 28.3 FT	28.3	25.5	3	75	56	20
823 32 FT	32	29	3	95	71	25
823 37 FT	37	34	3	93	69	25
823 40 FT	40	36	3	100	76	25
823 47 FT	47	43	3	103	79	25
823 54 FT	54	50	3	110	86	25
823 59.3 FT	59.3	55	3	116	92	25
823 50 FT	50	46	3	110	86	25
823 63 FT	63	59	3	120	96	25

Dimensions



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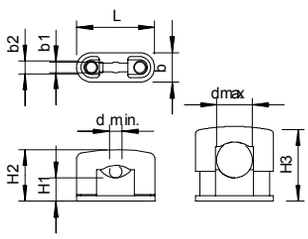
Always indicate the item number when ordering.

SOM clip, single

Type	Clamping range D mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
3079 LGR	5 - 14	Light grey	50	0.431	**2124149**

With plastic screws, so corrosion-protected, with slot for fastening with wood screws or 5 mm knock-in anchors.

Dimensions



Type	Clamping range D mm	Dim. L mm	Dim. d min. mm	Dim. d max. mm	Dim. H1 mm	Dim. H2 mm	Dim. H3 mm	Dim. b mm	Dim. b1 mm	Bolt
3079 LGR	5 - 14	31	5	13	10.5	20	29	12	4.2	M5 x 14

PA

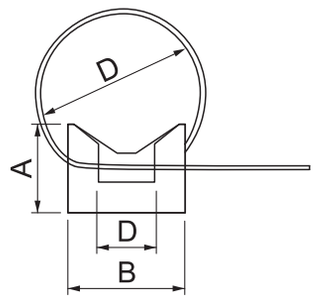
CTC cable tie clip

Type	Dimension mm	Max. bundle Ø mm	Minimum breaking load kN	Colour	Pack Piece	Weight kg/100 pc.	Item no.
CTC 7,5x180 LGR	16-32	32	0.36	Light grey	100	0.600	**2332790**
CTC 7,5x280 LGR	40-63	63	0.36	Light grey	100	0.900	**2332794**

With the cable tie clip from OBO Bettermann, you can profit from faster and more reliable fastening of cables and pipes. The internally toothed cable tie ensures a secure hold and can be adapted to up to 4 pipe sizes. The CTC cable tie clip is made of halogen-free polyamide and can thus be used easily in interiors and protected external areas.

Type	Length mm	Width mm	Height mm
CTC 7,5x180 LGR	180	7.5	1.5
CTC 7,5x280 LGR	281	7.5	1.5

Dimensions



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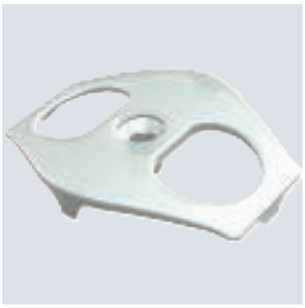
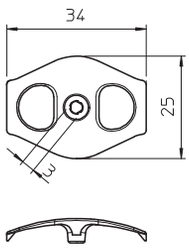
Always indicate the item number when ordering.

Nail-Fix, without nail

PP



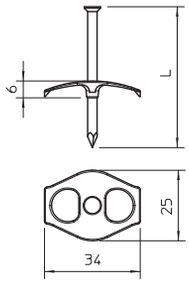


Type	For nail Ø x l mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
1996 O	3,0 - 3,5	Transparent	100	0.053	**2222809**

Without nails for refitting Ø 3 mm and 3.5 mm steel nails to fix cables in masonry slots and on masonry for one or two cables NYM 3 x 1.5/2.5 mm² or one or two cables NYM 5 x 1.5/2.5 mm².

Nail-Fix, with nail

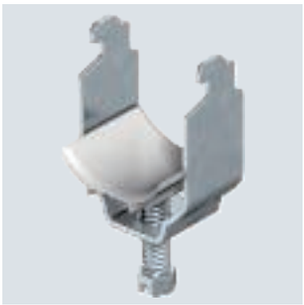
PP



Type	For nail Ø x l mm	Colour	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
1996 40	3 x 40	Transparent	1200	100	0.267	**2222833**
1996 50	3,5 x 50	Transparent	1200	100	0.380	**2222841**
1996 60	3,5 x 60	Transparent	1200	100	0.443	**2222868**
1996 70	3,5 x 70	Transparent	1200	100	0.773	**2222876**

With pre-mounted, galvanised steel nail Ø 3 mm or 3.5 mm to fix cables in masonry slots and on masonry for one or two cables NYM 3 x 1.5/2.5 mm² or one or two cables NYM 5 x 1.5/2.5 mm².

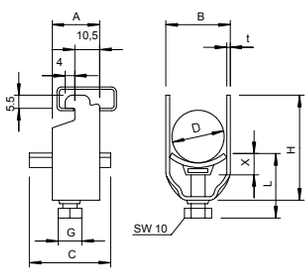
Clamp clip, single, plastic pressure trough



Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056N 12 FT	8-12	100	2.500	**1163124**
2056N 16 FT	12-16	100	2.750	**1163167**
2056N 22 FT	16-22	100	3.100	**1163221**
2056N 28 FT	22-28	100	4.600	**1163280**
2056N 34 FT	28-34	100	5.900	**1163345**
2056N 40 FT	34-40	100	5.970	**1163396**
2056N 46 FT	40-46	100	6.640	**1163469**
2056N 52 FT	46-52	100	7.270	**1163523**
2056N 58 FT	52-58	50	10.560	**1163582**
2056N 64 FT	58-64	50	11.200	**1163647**
2056N 70 FT	64-70	50	12.330	**1163701**

Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width.
Clip and bolt made of hot-dip galvanised steel.
Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Dimensions



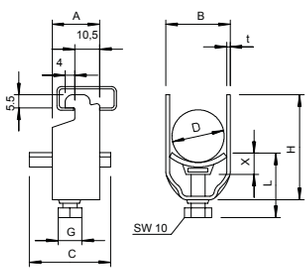
Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056N 12 FT	8-12	20	16	34	M6	1.5	5	34	34	3
2056N 16 FT	12-16	20	20	34	M6	1.5	5	38	34	3
2056N 22 FT	16-22	20	27	34	M6	1.5	5	44	34	3
2056N 28 FT	22-28	20	33	34	M6	2	5	51	34	3
2056N 34 FT	28-34	20	39	34	M8	2	5.5	59	37.5	5
2056N 40 FT	34-40	20	45	34	M8	2	5.5	66	37.5	5
2056N 46 FT	40-46	20	51	40	M8	2	5.5	72	37.5	5
2056N 52 FT	46-52	20	57	40	M8	2	6.5	79	37.5	5
2056N 58 FT	52-58	23	64	40	M8	2.5	6.5	86	45.5	5
2056N 64 FT	58-64	23	70	40	M8	2.5	6.5	92	45.5	5
2056N 70 FT	64-70	23	76	40	M8	2.5	6.5	99	45.5	5

Clamp clip, single, metal pressure trough

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056N M 12 FT	8-12	100	2.450	**1155407**
2056N M 16 FT	12-16	100	2.800	**1155415**
2056N M 22 FT	16-22	100	3.150	**1155423**
2056N M 28 FT	22-28	100	4.900	**1155431**
2056N M 34 FT	28-34	100	6.400	**1155458**
2056N M 40 FT	34-40	100	7.000	**1155466**
2056N M 46 FT	40-46	100	8.500	**1155474**
2056N M 52 FT	46-52	100	9.150	**1155482**
2056N M 58 FT	52-58	100	12.100	**1155490**

Suitable for all C profile rails with slot width 11–12 mm; at least 6.5 mm clear internal height and at least 18.5 mm clear internal width; metal troughs have strongly rounded edges on all sides, so that there is no risk of cable damage.

Dimensions



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056N M 12 FT	8-12	20	16	30	M6	1.5	3.5	34	32.5	3
2056N M 16 FT	12-16	20	20	30	M6	1.5	3.5	38	32.5	3
2056N M 22 FT	16-22	20	27	30	M6	1.5	4.5	44	33.5	3
2056N M 28 FT	22-28	20	33	30	M6	2	4.5	51	33.5	3
2056N M 34 FT	28-34	20	39	35	M8	2	4.5	59	37	5
2056N M 40 FT	34-40	20	45	35	M8	2	5	66	37	5
2056N M 46 FT	40-46	20	51	35	M8	2	5	72	37	5
2056N M 52 FT	46-52	20	57	35	M8	2	5	79	37	5
2056N M 58 FT	52-58	23	64	35	M8	2.5	5	89	37	5

St FT

H 16-17

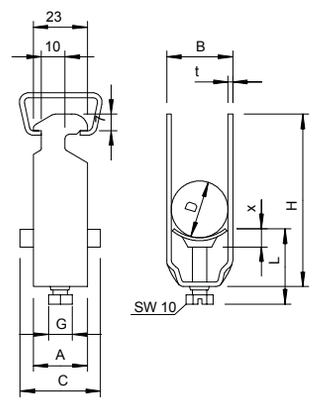
Clamp clip, single, plastic pressure trough

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056 12 FT	8-12	100	3.540	**1160125**
2056 16 FT	12-16	100	3.820	**1160168**
2056 22 FT	16-22	100	4.508	**1160222**
2056 28 FT	22-28	100	6.240	**1160281**
2056 34 FT	28-34	100	7.680	**1160346**
2056 40 FT	34-40	100	8.260	**1160400**
2056 46 FT	40-46	100	10.900	**1160451**
2056 52 FT	46-52	100	11.900	**1160524**
2056 58 FT	52-58	100	14.300	**1160583**
2056 64 FT	58-64	100	15.600	**1160648**
2056 70 FT	64-70	50	18.200	**1160702**
2056 76 FT	70-76	25	20.600	**1160761**
2056 82 FT	76-82	25	22.000	**1160826**
2056 90 FT	82-90	25	26.200	**1160907**
2056 100 FT	90-100	25	21.296	**1160990**

Suitable for all C profile rails with slot width 16–17 mm.
Hot-dip galvanised steel clip and bolt, polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056 12 FT	8-12	23	16	34	M6	1.5	5	40	34	3
2056 16 FT	12-16	23	20	34	M6	1.5	5	44	34	3
2056 22 FT	16-22	23	27	34	M6	1.5	5	50	34	3
2056 28 FT	22-28	23	33	34	M6	2	5	58	34	3
2056 34 FT	28-34	23	39	34	M8	2	5.5	66	34	5
2056 40 FT	34-40	23	45	34	M8	2	5.5	72	37.5	5
2056 46 FT	40-46	23	51	40	M8	2	5.5	79	44.5	5
2056 52 FT	46-52	23	57	40	M8	2	6.5	86	44.5	5
2056 58 FT	52-58	23	64	40	M8	2.5	6.5	93	45.5	5
2056 64 FT	58-64	23	70	40	M8	2.5	6.5	99	45.5	5
2056 70 FT	64-70	23	76	40	M8	2.5	6.5	106	45.5	5
2056 76 FT	70-76	25	82	40	M8	2.5	6.5	114	45.5	5
2056 82 FT	76-82	25	88	40	M8	2.5	6.5	121	45.5	5
2056 90 FT	82-90	25	97	40	M8	3	6.5	130	57.5	5
2056 100 FT	90-100	25	107	40	M8	3	6.5	140	57.5	5

Dimensions



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Always indicate the item number when ordering.

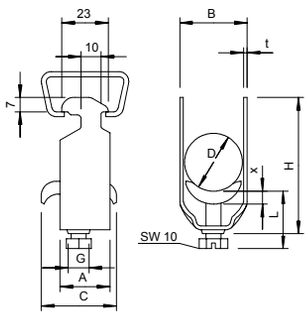
Clamp clip, single, metal pressure trough

St FT H 16-17 E30 E90

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056 M 12 FT	8-12	100	3.200	**1156004**
2056 M 16 FT	12-16	100	3.500	**1156012**
2056 M 22 FT	16-22	100	4.400	**1156020**
2056 M 28 FT	22-28	100	6.100	**1156039**
2056 M 34 FT	28-34	100	7.700	**1156047**
2056 M 40 FT	34-40	100	8.600	**1156055**
2056 M 46 FT	40-46	100	9.600	**1156063**
2056 M 52 FT	46-52	100	10.400	**1156071**
2056 M 58 FT	52-58	100	13.100	**1156098**
2056 M 64 FT	58-64	100	14.500	**1156101**
2056 M 70 FT	64-70	50	16.100	**1156128**
2056 M 76 FT	70-76	25	18.300	**1156136**
2056 M 82 FT	76-82	25	19.100	**1156144**
2056 M 90 FT	82-90	25	23.300	**1156152**
2056 M 100 FT	90-100	25	24.500	**1156160**

Suitable for all C profile rails with slot width 16–17 mm.
Clip, bolt and pressure trough made of hot-dip galvanised steel.

Dimensions



Type	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056 M 12 FT	23	16	30	M6	1.5	3.5	40	32.5	3
2056 M 16 FT	23	20	30	M6	1.5	3.5	44	32.5	3
2056 M 22 FT	23	27	30	M6	1.5	4.5	50	46.5	3
2056 M 28 FT	23	33	30	M6	2	4.5	58	46.5	3
2056 M 34 FT	23	39	35	M8	2	5	66	44	5
2056 M 40 FT	23	45	35	M8	2	5	72	44	5
2056 M 46 FT	23	51	35	M8	2	5	79	44	5
2056 M 52 FT	23	57	35	M8	2	5	86	44	5
2056 M 58 FT	23	64	35	M8	2.5	5	93	44	5
2056 M 64 FT	23	70	35	M8	2.5	5	99	56	5
2056 M 70 FT	25	76	35	M8	2.5	5	106	56	5
2056 M 76 FT	25	82	40	M8	2.5	5	114	56	5
2056 M 82 FT	25	88	40	M8	2.5	5	121	56	5
2056 M 90 FT	25	97	40	M8	3	5	130	56	5
2056 M 100 FT	25	107	40	M8	3	5	140	56	5

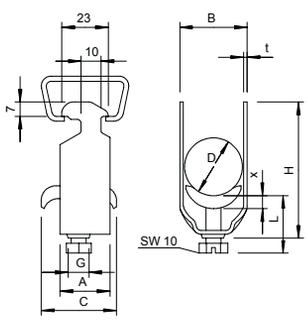
Clamp clip, single, metal pressure trough

VA 2B H 16-17

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056 M 12 A2	8-12	50	3.200	**1159712**
2056 M 16 A2	12-16	50	3.500	**1159716**
2056 M 22 A2	16-22	50	4.400	**1159722**
2056 M 28 A2	22-28	25	6.100	**1159728**
2056 M 34 A2	28-34	25	7.700	**1159734**
2056 M 40 A2	34-40	25	8.600	**1159740**
2056 M 46 A2	40-46	25	9.600	**1159746**
2056 M 52 A2	46-52	25	10.400	**1159752**
2056 M 58 A2	52-58	15	13.100	**1159758**
2056 M 64 A2	58-64	15	14.500	**1159764**
2056 M 70 A2	64-70	15	16.100	**1159770**
2056 M 76 A2	70-76	10	18.300	**1159776**

Suitable for all C profile rails with slot width 16–17 mm.
Clip, bolt and pressure trough all made of rust-proof stainless steel.

Dimensions



Type	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056 M 12 A2	23	16	30	M6	1.5	3.5	44	32.5	3
2056 M 16 A2	23	20	30	M6	1.5	3.5	44	32.5	3
2056 M 22 A2	23	27	30	M6	1.5	3.5	60	32.5	3
2056 M 28 A2	23	33	30	M6	2	5	58	44	3
2056 M 34 A2	23	39	35	M8	2	5	66	44	5
2056 M 40 A2	23	45	35	M8	2	5	72	44	5
2056 M 46 A2	23	51	35	M8	2	5	79	44	5
2056 M 52 A2	23	57	35	M8	2	5	86	44	5
2056 M 58 A2	23	64	35	M8	2	5	93	44	5
2056 M 64 A2	23	70	35	M8	2.5	5	99	56	5
2056 M 70 A2	25	76	35	M8	2.5	5	106	56	5
2056 M 76 A2	25	82	40	M8	2.5	5	114	56	5

St FT

U 18 22

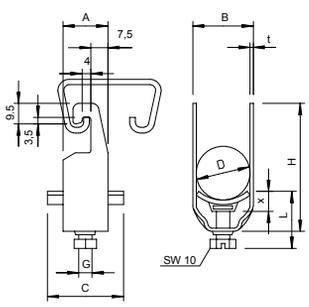
Clamp clip, single, plastic pressure trough

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056U 12 FT	8-12	100	3.150	**1175122**
2056U 16 FT	12-16	100	3.600	**1175165**
2056U 22 FT	16-22	100	3.223	**1175211**
2056U 28 FT	22-28	100	4.344	**1175289**
2056U 34 FT	28-34	100	7.500	**1175343**
2056U 40 FT	34-40	100	8.100	**1175408**
2056U 46 FT	40-46	100	10.000	**1175467**
2056U 52 FT	46-52	100	8.300	**1175521**
2056U 58 FT	52-58	100	13.400	**1175580**
2056U 64 FT	58-64	100	14.300	**1175645**
2056U 70 FT	64-70	50	15.250	**1175696**
2056U 76 FT	70-76	25	20.600	**1175769**
2056U 82 FT	76-82	25	22.000	**1175823**
2056U 90 FT	82-90	25	26.200	**1175904**

Suitable for all C profile rails with slot width 18 mm and 22 mm.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056U 12 FT	8-12	20	16	34	M6	1.5	5	42	34	3
2056U 16 FT	12-16	20	20	34	M6	1.5	5	46	34	3
2056U 22 FT	16-22	20	27	34	M6	1.5	5	53	34	3
2056U 28 FT	22-28	20	33	34	M6	2	5	59	34	3
2056U 34 FT	28-34	20	39	34	M8	2	5.5	67	37.5	5
2056U 40 FT	34-40	20	45	34	M8	2	5.5	73	37.5	5
2056U 46 FT	40-46	20	51	40	M8	2	5.5	79	37.5	5
2056U 52 FT	46-52	20	57	40	M8	2	6.5	85	38.5	5
2056U 58 FT	52-58	23	64	40	M8	2.5	6.5	91	38.5	5
2056U 64 FT	58-64	23	70	40	M8	2.5	6.5	97	38.5	5
2056U 70 FT	64-70	23	76	40	M8	2.5	6.5	103	38.5	5
2056U 76 FT	70-76	25	82	40	M8	2.5	6.5	110	45.5	5
2056U 82 FT	76-82	25	88	40	M8	2.5	6.5	116	45.5	5
2056U 90 FT	82-90	25	97	40	M8	3	6.5	125	45.5	5

Dimensions



St FT

U 18 22 E30 E90

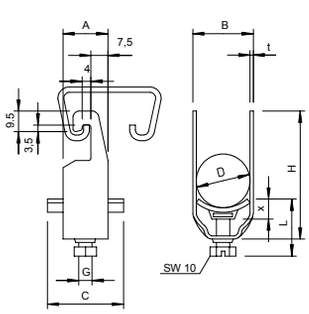
Clamp clip, single, metal pressure trough

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056U M 12 FT	8-12	100	3.300	**1158007**
2056U M 16 FT	12-16	100	3.520	**1158015**
2056U M 22 FT	16-22	100	3.960	**1158023**
2056U M 28 FT	22-28	100	5.890	**1158031**
2056U M 34 FT	28-34	100	7.650	**1158058**
2056U M 40 FT	34-40	100	8.360	**1158066**
2056U M 46 FT	40-46	100	10.890	**1158074**
2056U M 52 FT	46-52	100	11.660	**1158082**
2056U M 58 FT	52-58	100	14.740	**1158090**
2056U M 64 FT	58-64	100	15.730	**1158104**
2056U M 70 FT	64-70	50	18.200	**1158112**
2056U M 76 FT	70-76	25	20.600	**1158120**

Suitable for all C profile rails with slot width 18 mm and 22 mm.

Type	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056U M 12 FT	20	16	34	M6	1.5	5	42	34	3
2056U M 16 FT	20	20	34	M6	1.5	5	46	34	3
2056U M 22 FT	20	27	34	M6	1.5	5	53	34	3
2056U M 28 FT	20	33	34	M6	2	5	59	34	3
2056U M 34 FT	20	39	34	M8	2	5.5	67	37.5	5
2056U M 40 FT	20	45	34	M8	2	5.5	73	37.5	5
2056U M 46 FT	20	51	40	M8	2	5.5	79	37.5	5
2056U M 52 FT	20	57	40	M8	2	6.5	85	38.5	5
2056U M 58 FT	23	64	40	M8	2.5	6.5	91	38.5	5
2056U M 64 FT	23	70	40	M8	2.5	6.5	97	38.5	5
2056U M 70 FT	23	76	40	M8	2.5	6.5	103	38.5	5
2056U M 76 FT	25	82	40	M8	2.5	6.5	110	45.5	5

Dimensions



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Always indicate the item number when ordering.

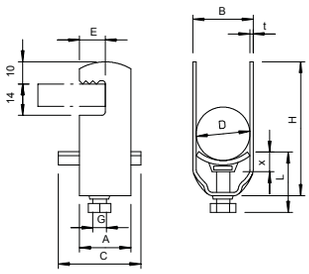
Clamp clips, fastening to flat iron

Clamp clip, single, plastic pressure trough

Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056F 12 FT	8-12	100	3.700	**1169122**
2056F 16 FT	12-16	100	3.900	**1169165**
2056F 22 FT	16-22	100	4.500	**1169211**
2056F 28 FT	22-28	100	6.000	**1169289**
2056F 34 FT	28-34	100	8.740	**1169343**
2056F 40 FT	34-40	100	8.500	**1169408**
2056F 46 FT	40-46	100	10.600	**1169467**
2056F 52 FT	46-52	100	9.200	**1169521**
2056F 58 FT	52-58	50	13.050	**1169580**
2056F 64 FT	58-64	50	14.800	**1169645**

Suitable for flat, bracket and U irons of 4–12 mm material thickness.
Clip and bolt made of hot-dip galvanised steel.
Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Dimensions



Type	Clamping range D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. x mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056F 12 FT	8-12	23	16	34	M6	1.5	5	43	34	3
2056F 16 FT	12-16	23	20	34	M6	1.5	5	47	34	3
2056F 22 FT	16-22	23	27	34	M6	1.5	5	54	34	3
2056F 28 FT	22-28	23	33	34	M6	2	5	60	34	3
2056F 34 FT	28-34	23	39	34	M8	2	5.5	68	37.5	5
2056F 40 FT	34-40	23	45	34	M8	2	5.5	74	37.5	5
2056F 46 FT	40-46	25	51	40	M8	2	5.5	80	37.5	5
2056F 52 FT	46-52	25	57	40	M8	2	6.5	86	38.5	5
2056F 58 FT	52-58	25	64	40	M8	2.5	6.5	92	38.5	5
2056F 64 FT	58-64	25	70	40	M8	2.5	6.5	98	38.5	5

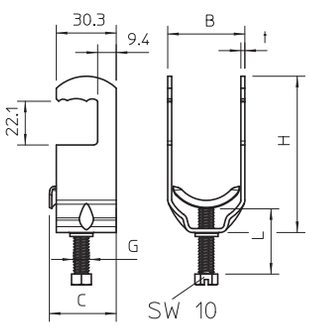
Clamp clips, special application

Clamp clip, single, metal pressure trough, round profiles/pipes

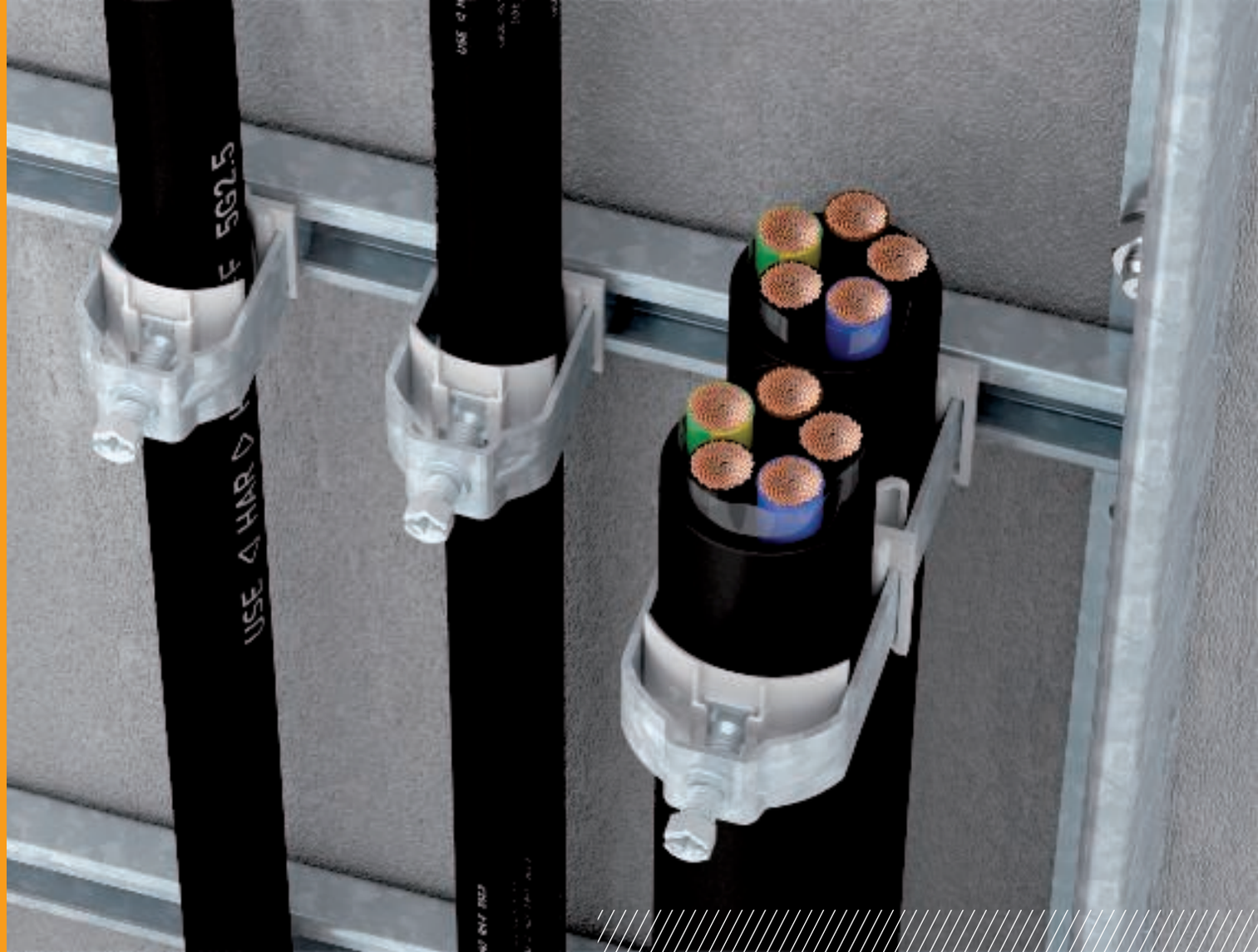
Type	Clamping range D mm	Pack Piece	Weight kg/100 pc.	Item no.
2056RS M 16 FT	12-16	100	4.000	**1158305**
2056RS M 22 FT	16-22	100	5.200	**1158309**
2056RS M 28 FT	22-28	100	7.500	**1158313**
2056RS M 34 FT	28-34	100	9.000	**1158317**
2056RS M 40 FT	34-40	100	10.000	**1158321**
2056RS M 46 FT	40-46	100	10.900	**1158325**
2056RS M 52 FT	46-52	100	12.200	**1158329**
2056RS M 58 FT	52-58	100	15.000	**1158333**
2056RS M 64 FT	58-64	100	16.500	**1158337**

Suitable for all round profile irons or pipes of diameters to 22 mm; clip, pressure trough and bolt made of steel, hot-dip galvanised;
the metal troughs have strongly rounded edges on all sides, so that no damage to the cables need be feared.

Dimensions



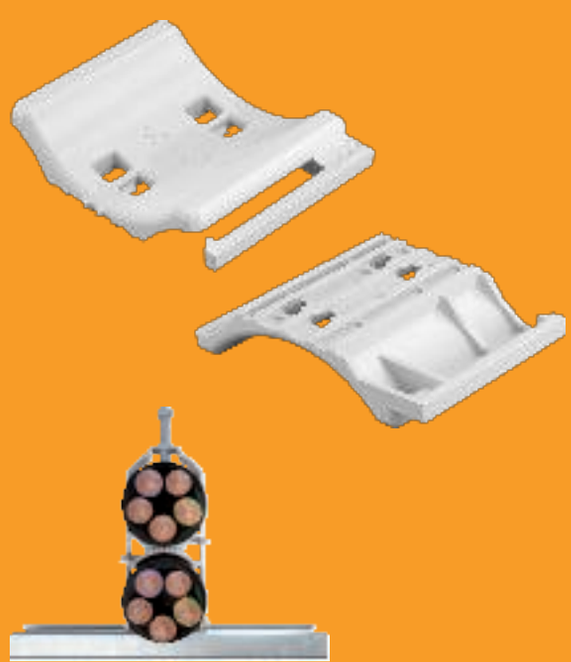
Type	Clamping range D mm	Dim. B mm	Dim. C mm	Dimension G	Dim. t mm	Dim. H mm	Dim. L mm	Max. torque Nm
2056RS M 16 FT	12-16	20	28	M6	1.5	57	26	3
2056RS M 22 FT	16-22	27	28	M6	1.5	69	30	3
2056RS M 28 FT	22-28	33	28	M6	2	73	38	3
2056RS M 34 FT	28-34	39	33	M8	2	79	33	5
2056RS M 40 FT	34-40	45	33	M8	2	86	33	5
2056RS M 46 FT	40-46	51	33	M8	2	92	33	5
2056RS M 52 FT	46-52	57	33	M8	2	97	33	5
2056RS M 58 FT	52-58	64	33	M8	2.5	103	33	5
2056RS M 64 FT	58-64	70	33	M8	2.5	112	33	5



Universal counter-trough

One counter-trough for all clamp clips, fits every rail and can be combined into a double trough

- More installation space during mounting through insertion at a later date
- Retroinstallation is possible without dismantling the clamp clip
- Suitable for all clamp clips and OBO profile rails
- One type for all base shapes and clamping dimensions
- 15 variants for all applications
- High stability and sturdiness
- Patented contour on the rear side allows the combination of two counter-troughs to a double trough



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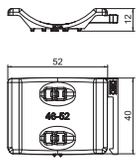
11-12 16-17 18 22

Universal counter-trough, plastic

Type	Clamping range D mm	Dim. L mm	Dim. B mm	Dim. H mm	Colour	Shipping box Piece		Pack Piece	Item no.
2058UW 12 LGR	8-12	37	18.5	5.8	Light grey	1500		100	**1198012**
2058UW 16 LGR	12-16	37	21.5	5.8	Light grey	1600		100	**1198016**
2058UW 22 LGR	16-22	37	27.5	6.8	Light grey	1500		100	**1198022**
2058UW 28 LGR	22-28	37	33.5	8.3	Light grey	1200		100	**1198028**
2058UW 34 LGR	28-34	37	45.5	9.8	Light grey	1200		100	**1198034**
2058UW 40 LGR	34-40	37	45.5	10.8	Light grey	600		50	**1198040**
2058UW 46 LGR	40-46	40	51.5	11.8	Light grey	600		50	**1198046**
2058UW 52 LGR	46-52	40	57.5	11.8	Light grey	600		50	**1198052**
2058UW 58 LGR	52-58	40	63.5	11.8	Light grey	600		50	**1198058**
2058UW 64 LGR	58-64	40	69.5	11.8	Light grey	600		50	**1198064**
2058UW 70 LGR	64-70	40	75.5	12.3	Light grey	300		25	**1198070**
2058UW 76 LGR	70-76	40	81.5	12.3	Light grey	300		25	**1198076**
2058UW 82 LGR	76-82	40	87.5	12.3	Light grey	300		25	**1198082**
2058UW 90 LGR	82-90	40	96	12.8	Light grey	300		25	**1198090**
2058UW 100 LGR	90-100	40	106	12.8	Light grey	300		25	**1198100**



Regardless of the type of rail, the counter-trough can be used by applying it onto one side of the clamp clip. Due to an intelligent contour on the backside, the counter-trough can be combined to a double trough. Retrofitting possible without the need to dismantle.

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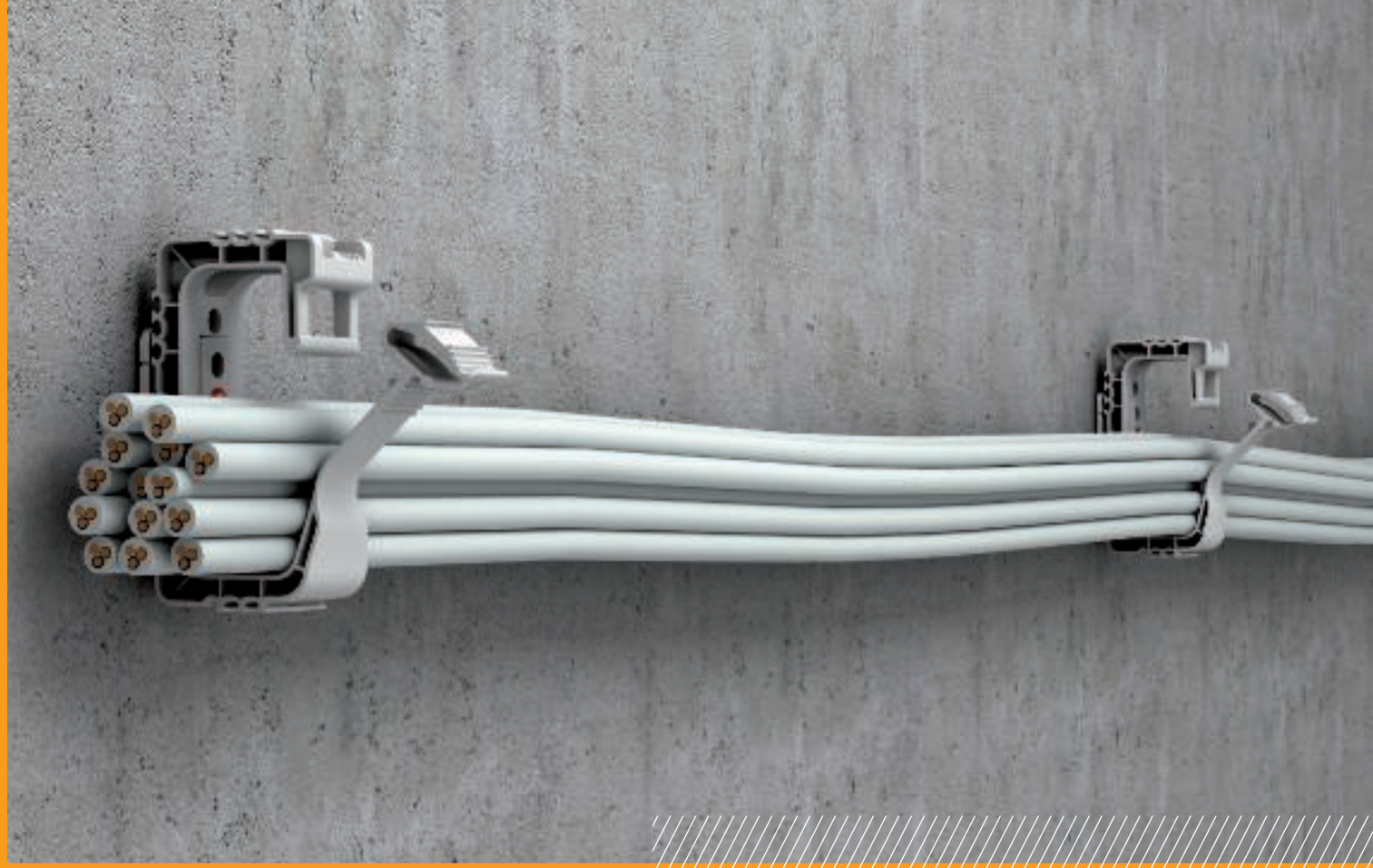
Always indicate the item number when ordering.



Grip cable tidy

Cable tidy for general use, suitable for wall and ceiling mounting. The moulded fastening element can be fastened using knock-in anchors or a gas pressure nail gun.

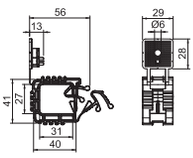
- Wall and ceiling mounting
- Can be joined together “back to back”
- For multiple cables
- Rapid installation using the fastening element
- Ideal for retroinstallation
- Flame-resistant version, stone grey, to DIN EN 0471 / DIN IEC 695 Part 2-1, test temperature 960 °C

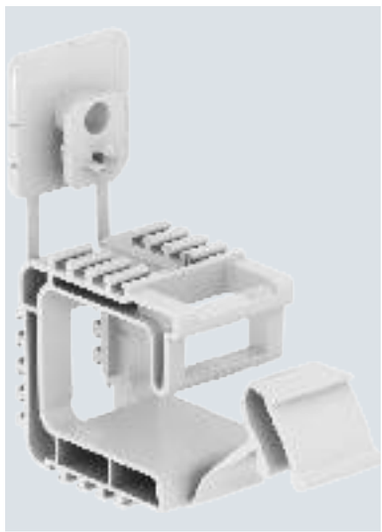
PP

Grip 10

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2031 10	10	Light grey	50	1.410	**2205380**
2031 10 SP	10	Light grey	100	1.410	**2205384**

Cable tidy with fastening holes of Ø 6 mm for mounting installation cables, suitable for wall and ceiling mounting. The moulded fastening element can be fastened using knock-in anchors or a gas pressure nail gun. The recommended fastening spacing when assigned fully is 50 to 60 cm.



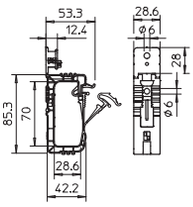


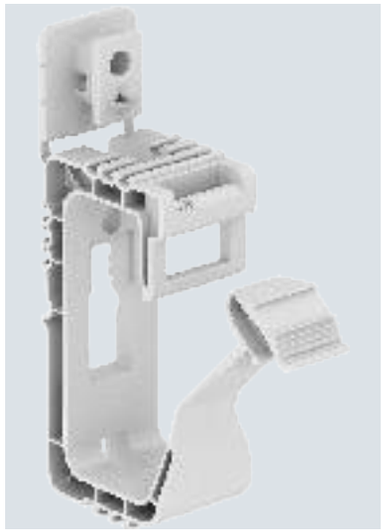
PP

Grip 20

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2031 20	20	Light grey	50	1.920	**2205404**
2031 20 SP	20	Light grey	100	1.920	**2205408**

Cable tidy for general use, suitable for wall and ceiling mounting. The moulded fastening element can be fastened using knock-in anchors or a gas pressure nail gun.





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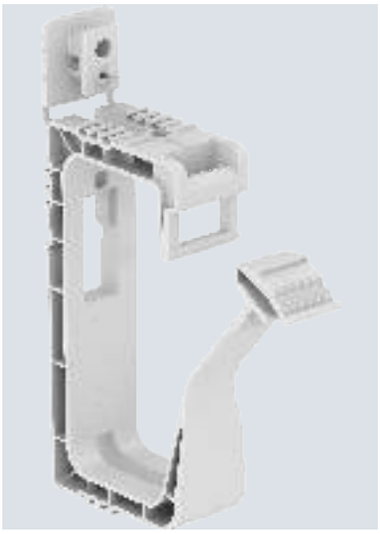
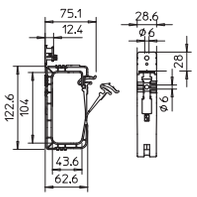
Always indicate the item number when ordering.

Grip 40





Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2031 40	40	Light grey	25	3.610	**2205416**
2031 40 SP	40	Light grey	50	3.280	**2205420**

Cable tidy for general use, suitable for wall and ceiling mounting. The moulded fastening element can be fastened using knock-in anchors or a gas pressure nail gun.

Grip cable tidy, metal

E30 E90

The movable closing strap means that the Grip cable tidy can be opened and closed again and again with just the application of light pressure. This means that you can remove a cable easily and at any time from fixed wall and ceiling installations, or also install a new cable at a later date.

- Ingenious design means both wall and ceiling mounting are possible
- Easy cable insertion
- Extremely sturdy click-in connector means retroinstalling cables is no problem
- UL-tested quality
- Also available in stainless steel qualities A2 and A4
- Tested for the maintenance of electrical functionality
- Halogen and fire load-free

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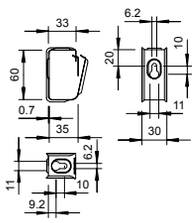
Grip, metal 15

St VA FS 2B
E30 E90

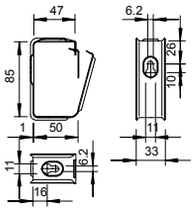


Type	No. of conductors NYM 3 x 1.5	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
2031 M 15 FS	15	50	50	3.700	**2207028**
2031 M 15 A2	15	50	50	3.000	**2207080**

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.

Grip, metal 30

St VA FS 2B
E30 E90



Type	No. of conductors NYM 3 x 1.5	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
2031 M 30 FS	30	25	25	6.200	**2207036**
2031 M 30 A2	30	25	25	6.500	**2207088**

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.

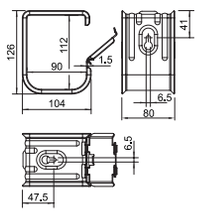
St VA FS 2B

E30 E90

Grip, metal 70

Type	No. of conductors NYM 3 x 1.5	Shipping box Piece		Pack Piece	Weight kg/100 pc.	Item no.
2031 M 70 FS	70	10		10	34.500	**2207060**
2031 M 70 A2	70	10		10	37.000	**2207112**

Metal cable tidy for high mechanical stability, even in case of fire. Suitable for safe mounting above fire protection ceilings. Also approved as a cable-specific variant for the maintenance of electrical function to DIN 4102 part 12. For wall and ceiling mounting. Lock can be opened without tools. Detailed information on the approved routing variants can be found in the appropriate testing documentation.



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Always indicate the item number when ordering.

Pressure clip

The quicker, the better – this also applies to installations in false ceilings. The pressure clips from OBO Bettermann are made of high-quality polyamide and simplify the routing of cables under the ceiling. The pressure clip is an ideal solution for areas in which every centimetre counts. Mounting is very simple using an M6 knock-in anchor. The top impact surface simplifies contact with the impact bolt on knocking in. After mounting the cables are passed under the clips in a "lasso technique" hand movement – and that's all there is to it!

For 8 cables

For 16 cables

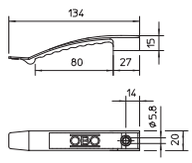
- Striking surface on top
- Specially adapted corrugation
- Spacer for larger cable diameters
- Connectable
- With knock-in anchor

PA

Pressure clip for 8 cables

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2032	8	Light grey	50	1.371	**2205017**
2032 SP	8	Light grey	100	1.371	**2204975**

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

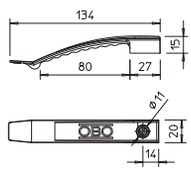


PA

Pressure clip for 8 cables, connectable

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2032 AS	8	Light grey	50	1.300	**2205052**

Version suitable for fixing with gas pressure nail gun (i.e. by SPIT), for example for use on intermediate ceilings and partition walls.
Clamping height: 9 mm, with spacer 13 mm.
Fastening hole: 7 mm Ø.

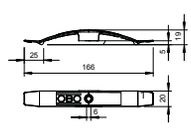


PA

Pressure clip for 10 cables

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2034	10	Light grey	50	1.169	**2205041**
2034 SP	10	Light grey	100	1.169	**2204991**

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

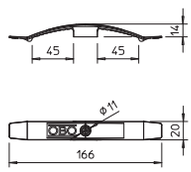


PA

Pressure clip for 10 cables, connectable

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2034 AS	10	Light grey	50	1.130	**2205054**

Version suitable for fixing with gas pressure nail gun (i.e. by SPIT), for example for use on intermediate ceilings and partition walls.
Clamping height: 9 mm, with spacer 13 mm.
Fastening hole: 7 mm Ø.



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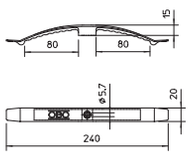
Always indicate the item number when ordering.

Pressure clip for 16 cables

PA

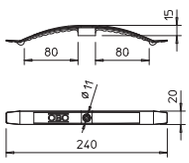


Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2033	16	Light grey	25	2.077	**2205033**
2033 SP	16	Light grey	100	2.077	**2204983**

Standard version for general use, e.g. on intermediate ceilings and partition walls.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole: 6 mm Ø.

Pressure clip for 16 cables, connectable

PA

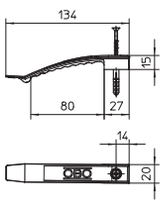


Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2033 AS	16	Light grey	25	2.100	**2205053**

Version suitable for fixing with gas pressure nail gun (i.e. by SPIT), for example for use on intermediate ceilings and partition walls.
Clamping height: 9 mm, with spacer 13 mm.
Fastening hole: 7 mm Ø.

Pressure clip with knock-in anchor, for 8 cables

PA



Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2032 SD	8	Light grey	50	1.791	**2204800**
2032 SD SP	8	Light grey	100	1.791	**2204851**

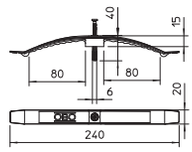
With pre-mounted knock-in anchor, 6 mm Ø.
Required drill hole depth 50 mm.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole 6 mm Ø.

PA

Pressure clip with knock-in anchor, for 16 cables

Type	No. of conductors NYM 3 x 1.5	Colour	Pack Piece	Weight kg/100 pc.	Item no.
2033 SD	16	Light grey	25	2.515	**2204819**
2033 SD SP	16	Light grey	100	2.515	**2204878**

With pre-mounted knock-in anchor, 6 mm Ø.
Required drill hole depth 50 mm.
Clamping height 9 mm – with spacer 13 mm.
Fastening hole 6 mm Ø.



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Always indicate the item number when ordering.

Metal pressure clip

E30 E90

The metal pressure clip is halogen- and fire load-free, and maintains a good mechanical stability even in fires. The pressure clip is also approved as a cable-specific variant for maintenance of electrical function to DIN 4102 Part 12. In pressure clips with larger cross-sections, the spacer 2033 D 15 x 3 G (must be ordered separately) increases the clamping height from 10 to 13 mm. The pressure clips are suitable for fireproof mounting above suspended fire protection ceilings in accordance with DIN 4102.

- Easy ceiling installation, tested for the maintenance of electrical functionality
- Simple retroinstallation of cables
- 3 sizes to fit either 8, 10 or 16 cables (NYM 3x1.5 mm²)
- Halogen and fire load-free

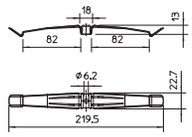
VA 2B

E30

Pressure clip for 16 cables

Type	No. of conductors NYM 3 x 1.5	Pack Piece	Weight kg/100 pc.	Item no.
2033 M A2	16	25	2.310	**2204000**

The metal pressure clip is halogen and fire load-free, and maintains a good mechanical stability even in fires. The pressure clip is also approved as a cable-specific variant for the maintenance of electrical functionality to DIN 4102 Part 12. The spacer 2033 D 15 x 3 G (must be ordered separately) increases the clamping height of pressure clips from 10 to 13 mm. The pressure clips are suitable for fireproof mounting above suspended fire protection ceilings in accordance with DIN 4102.



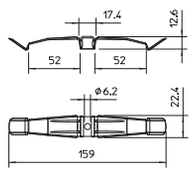
VA 2B

E30

Pressure clip for 10 cables

Type	No. of conductors NYM 3 x 1.5	Pack Piece	Weight kg/100 pc.	Item no.
2034 M A2	10	50	1.860	**2204010**

The metal pressure clip is halogen and fire load-free, and maintains a good mechanical stability even in fires. The pressure clip is also approved as a cable-specific variant for the maintenance of electrical functionality to DIN 4102 Part 12. The spacer 2033 D 15 x 3 G (must be ordered separately) increases the clamping height of pressure clips from 10 to 13 mm. The pressure clips are suitable for fireproof mounting above suspended fire protection ceilings in accordance with DIN 4102.



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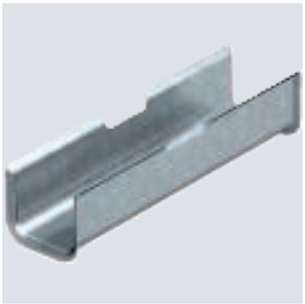
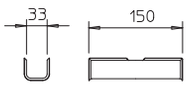
Always indicate the item number when ordering.

Long troughs

Long trough for Grip cable tidy metal 15

St FS





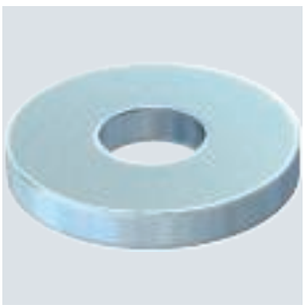
Type		Pack Piece	Weight kg/100 pc.	Item no.
2031 LW15		25	8.200	**2207184**

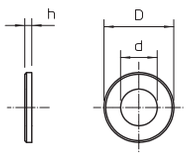
Long trough for cable tidy type 2031/M15, for the maintenance of electrical function as cable-specific mounting variant.

Spacers

Spacer

St G

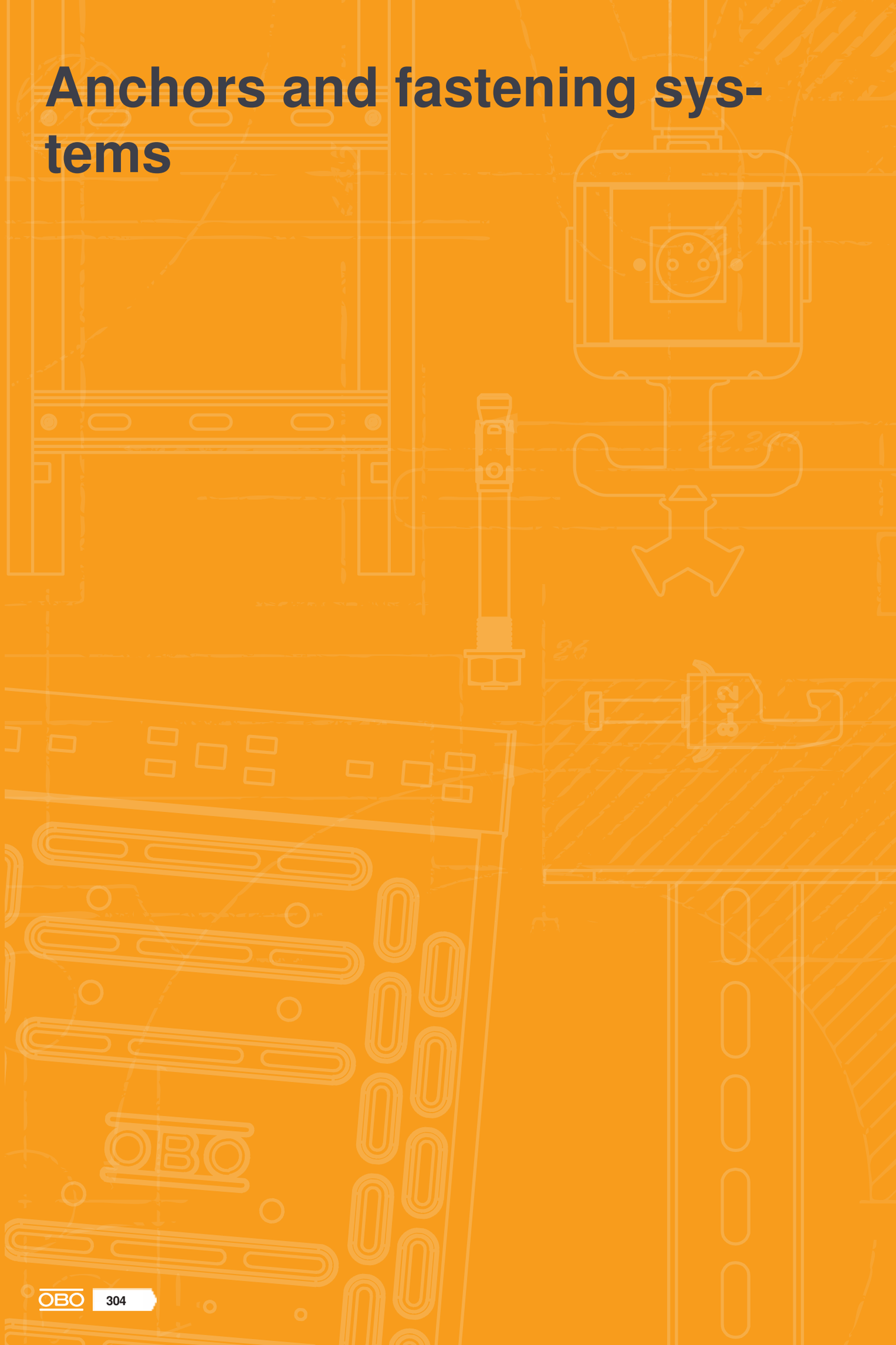




Type	Dim. D mm	Dim. d mm	Dim. mm		Pack Piece	Weight kg/100 pc.	Item no.
2033 D 15x3 G	15	6.4	3		50	0.340	**2205097**

To increase the clamping height of pressure clips from 10 to 13 mm for large cable cross-sections.

Anchors and fastening systems



Anchors and fastening systems

Metal anchor 308

Injection anchors 316

Accessories, anchors 318

Bolts 322

Washers and nuts 330

Hook 336

Cable tie 338

Fastening strips 340

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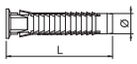
Multipurpose anchors

Universal anchor

PE

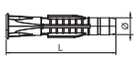


Type	Item no.
910 FX 5x25	2347580
910 FX 6x30	2347582
910 FX 8x40	2347584
910 FX10x50	2347586
910 FX 12x60	2347588

Also suitable as a cavity anchor, with collars to prevent slipping. 3 tabs take up the torque.
Required minimum bolt length = anchor length + component thickness + 1 x bolt Ø.
Withdrawal force applies to wood screws of the largest bolt diameter in concrete of class B25.
Our safety value recommendation: 5x

All-purpose anchor

PA



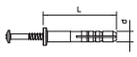
Type	Dowel Ø mm	Dim. L mm	Wood screws Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
910 AZK 5x31	5	31	3-4	100	0.036	2348120
910 AZK 6x38	6	38	4-5	100	0.063	2348122
910 AZK 8x51	8	51	5-6	100	0.106	2348124
910 AZK 10x61	10	61	7-8	50	0.260	2348126
910 AZK 12x71	12	71	8-10	25	0.370	2348128

Also suitable as a cavity anchor, with collar to prevent slipping. 3 tabs take up the torque.
Required minimum screw length = anchor length + component thickness + 1 x screw Ø.
Withdrawal force applies to wood screws of the largest bolt diameter in concrete of class B25.
Our safety value recommendation: 5x

Knock-in anchor

Knock-in anchor

PA



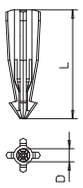
Type	Dowel Ø mm	Length mm	Pull-out force N min/concrete	Pack Piece	Weight kg/100 pc.	Item no.
910 SD 5X35	5	35	220	100	0.360	2351021
910 SD 6X35	6	35	260	100	0.310	2351056
910 SD 6X40	6	40	260	100	0.555	2351064
910 SD 8X55	8	55	350	50	1.070	2351099

Knock-in anchor: steel, electrogalvanised and transparently passivated.

Gas concrete anchor

Gas concrete anchor

PA



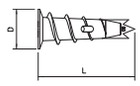
Type	Dim. D mm	Dim. L mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
910 GD 6x35	6	35	Light grey	100	0.094	2347229
910 GD 8x50	8	50	Light grey	50	0.263	2347261

The anchor can be knocked directly into the porous concrete (gas concrete resistance class G2). With a resistance class of G4 or greater, a 5 or 6 mm hole should be pre-drilled.
Screw length: Component thickness + 40 mm (6 mm) / 55 mm (8 mm).

Zn

Plasterboard anchor

Type	Dim. D mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
910 GKDM 12x30	12	30	0.04	100	0.400	**3483214**

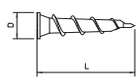


To fasten components to plasterboard or fibre composite plates.
Minimum plate thickness: 12 mm.
For Ø 4.5 Golden Sprint or Sprint screws.

Zn

Plasterboard anchor

Type	Dim. D mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
910 GKSM 6x25	7.5	26.4	0.04	100	0.160	**3483239**

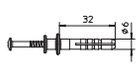


To fasten components to plasterboard or fibre composite plates.
Min. plate thickness: 5 mm.

PA

Double-flange anchor

Type	Dowel Ø mm	Length mm	Drill hole depth mm	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
910 DF 6x35	6	35	40	1200	100	0.425	**2347407**



Knock-in anchor: steel, tempered, electrogalvanised and transparently passivated.

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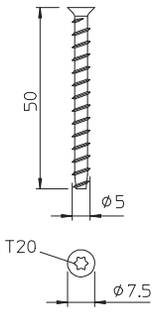
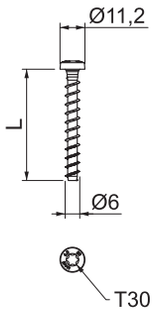
MMS-plus KS countersunk head tie, for cable clip



Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ KS 5x50	5x50	50	4	7.5	Torx	200	0.460	**3498204**

Bolt tie for direct mounting without additional anchors in concrete and masonry. With small countersunk head to fasten cable clips through the threaded foot.
Load-bearing capacities under fire loads proven up to fire resistance class R120.

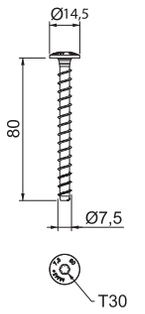
MMS-plus P round head tie, with panhead



Type	Dimension mm	Screw system	Anchor length mm	Drill hole Ø mm	Head Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 6x35	6x35	Torx	35	5	11.2	100	0.900	**3498103**
MMS+ P 6x40	6x40	Torx	40	5	11.2	100	1.000	**3498105**
MMS+ P 6x50	6x50	Torx	50	5	11.2	100	1.000	**3498108**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus P round head tie, with panhead



Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 7.5x80	7,5x80	80	6	14.5	Torx	50	1.600	**3498272**

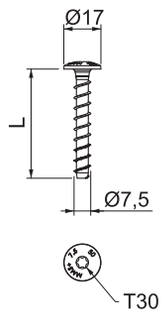
Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

St G

MMS-plus MS mounting rail tie, with flat pan-head

Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ MS 7.5x50	7,5x50	50	6	17	Torx	100	1.500	**3498261**
MMS+ MS 7.5x60	7,5x60	60	6	17	Torx	50	1.800	**3498262**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With large round head to fasten mounting and profile rails. Torx drive T30. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

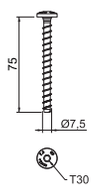


VA

MMS-plus P round head tie, with panhead, made of A4 stainless steel

Type	Dimension mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 7.5x75 A4	7,5x75	6	14.5	Torx	50	1.900	**3498274**

Stainless steel screw-in anchor for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings in wet rooms and outdoor areas. Torx drive T30. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

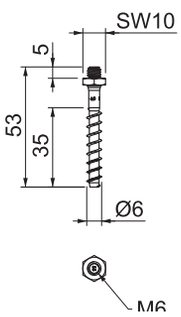


St G

MMS-plus ST push-in tie, with connection thread

Type	Dimension mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ ST 6x55	6x55	5	M6	10	100	1.030	**3498264**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. M6 connection thread for fastening clips with threaded foot. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

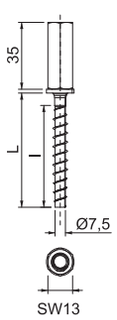


St G

MMS-plus I internal thread tie, with combination thread sleeve

Type	Dimension mm	Dim. L mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ I 7.5x40	7,5x40	40	6	M8/M10	13	40	3.810	**3498266**
MMS+ I 7.5x60	7,5x60	60	6	M8/M10	13	40	4.230	**3498268**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With M8/M10 combination thread sleeve for fastening threaded rods. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



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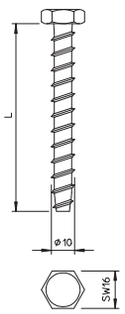
Always indicate the item number when ordering.

MMS-plus SS hexagonal tie, with pressed washer

St G

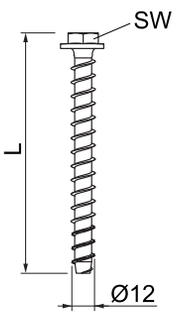


Type	Dimension mm	Dim. L mm	Drill hole Ø mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ SS 10x80	10x80	80	8	13	25	4.000	**3498124**
MMS+ SS 10x100	10x100	100	8	13	25	4.800	**3498159**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus hexagonal tie, with pressed washer

St VA

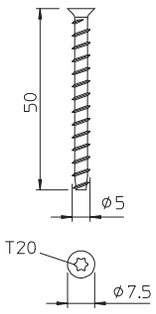


Type	Dimension mm	Dim. L mm	Drill hole Ø mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ SS 12x100	12x100	100	10	15	25	7.800	**3498170**
MMS+ SS 12x120	12x120	120	10	15	25	8.900	**3498172**
MMS+ SS12x105 A4	12x105	105	10	15	25	8.200	**3498174**
MMS+ SS12x120 A4	12x120	120	10	15	25	9.400	**3498176**

Stainless steel screw-in anchor for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in wet rooms and in outdoor areas.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus KS countersunk head tie, for cable clip

St G



Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ KS 5x50	5x50	50	4	7.5	Torx	200	0.460	**3498204**

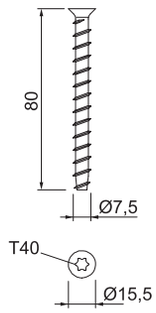
Bolt tie for direct mounting without additional anchors in concrete and masonry. With small countersunk head to fasten cable clips through the threaded foot.
Load-bearing capacities under fire loads proven up to fire resistance class R120.

St

MMS-plus F countersunk head tie

Type	Dimension mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ F 7.5x80	7,5x80	6	15.5	Torx	50	2.000	**3498160**

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With countersunk head for universal fastenings. Torx drive T40.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

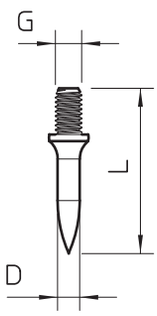


St G

OBO anchor

Type	Shank length mm	Dim. L mm	Dim. D Ø mm	Dim. G mm	Pack Piece	Weight kg/100 pc.	Item no.
903 15 G	15	23	4	M6	100	0.330	**3100154**
903 18 G	18	26	4	M6	100	0.360	**3100189**
903 25 G	25	33	4	M6	100	0.404	**3100251**
903 30 G	30	38	4	M6	100	0.470	**3100308**
903 40 G	40	48	4	M6	100	0.571	**3100405**

Hardened steel, electrogalvanised with M6 x 8 mm thread.

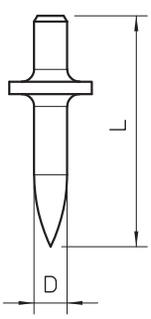


St

OBO anchor

Type	Shank length mm	Dim. L mm	Dim. D Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
903 RB 15	15	21	4	200	0.295	**3105016**
903 RB 18	18	24	4	200	0.348	**3105024**
903 RB 22	22	30	4	200	0.325	**3105032**

Hardened steel, shiny without thread.

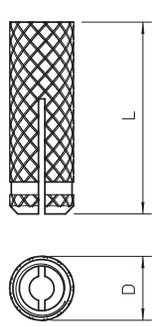


CuZn 37

Brass spreading anchor

Type	Thread	Drill hole depth mm	Length mm	Drill hole Ø mm	Pull-out value N	Pack Piece	Weight kg/100 pc.	Item no.
865 M8x30	M8	41	30	11	7000	100	0.867	**3483088**
865 M10x34	M10	53	34	12	9000	100	1.315	**3483096**

Areas of application: full brick, concrete, wood. Ideally suited for areas exposed to high temperatures.



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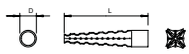
Always indicate the item number when ordering.

Anchor, light-duty fastening

Metal spreading anchor

St GTP



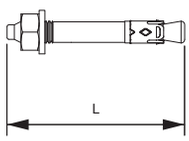
Type	Dim. D mm	Dim. L mm	Drill hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
MD 5 GTP	5	30	5-7	200	0.190	**3484602**
MD 6 GTP	6	32	7-9	100	0.250	**3484629**

Areas of application: gas concrete, lightweight concrete, Poroton, pumice, plaster, hollow brick and full brick. Can be knocked into porous concrete (gas concrete) of low resistance without drilling. Superbly suited for areas subjected to high temperatures.

Anchor, heavy-duty fastening

Nail anchor N with thread

St G



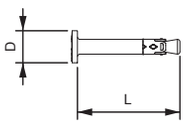
Type	Thread	Drill hole Ø mm	Drill hole depth mm	Clamping range mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
N 6-5-10/49	M6	6	40	5-10	49	100	1.160	**3498396**

The nail anchor N can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting.
The nail tie only needs to be hammered into the drill hole. It is not necessary to apply torque subsequently. When the load occurs, the nail tie spreads itself and bolts itself in the drill hole.

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 120.

Nail anchor N-K with nail head

St G



Type	Drill hole Ø mm	Drill hole depth mm	Clamping range mm	Dim. L mm	Dim. D mm	Pack Piece	Weight kg/100 pc.	Item no.
N-K 6-5-10/44	6	40	5-10	44	13	100	1.135	**3498390**

The nail anchor N-K can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting. The nail anchor only needs to be hammered into the drill hole. When the load occurs, the nail anchor spreads itself and bolts itself in the drill hole.

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 120.

St G

Bolt tie BZ

Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ10-100-120/180	10	75	M10	180	25	10.320	**3498342**
BZ 10-150/230	10	75	M10	230	25	13.600	**3498344**
BZ 12-15-35/110	12	90	M12	110	25	10.320	**3498350**

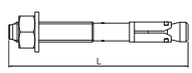
Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

A4 2B

Bolt tie BZ

Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ12-15-35/110A4	12	90	M12	110	25	10.440	**3498352**



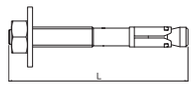
Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, indoors and outdoors, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European technical approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

St G

Bolt tie BZ-U

Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ-U 8-10-21/75	8	60	M8	75	50	3.460	**3498320**
BZ-U 8-30-41/95	8	60	M8	95	50	4.010	**3498326**
BZ-U 10-10-30/90	10	75	M10	90	50	6.720	**3498334**
BZ-U10-30-50/110	10	75	M10	110	25	7.900	**3498340**



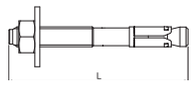
Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

A4 2B

Bolt tie BZ-U

Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ-U8-10-21/75A4	8	60	M8	75	50	3.460	**3498322**
BZ-U8-30-41/95A4	8	60	M8	95	50	4.090	**3498328**
BZU10-10-30/90A4	10	75	M10	90	50	6.740	**3498336**



Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, indoors and outdoors, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.
Proof of suitability in the case of seismic impacts, categories C1 and C2.
Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

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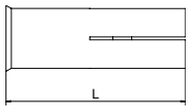
Always indicate the item number when ordering.

Impact tie, version with collar

St G

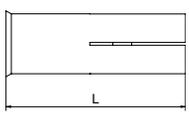


Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
ES M 10x30	M10	12	30	30	2	50	1.800	**3492032**
ES M 6x25	M6	8	25	25	1.7	100	0.600	**3492018**
ES M 8x25	M8	10	25	25	1.9	100	1.000	**3492020**
ES M 8x30	M8	10	30	30	1.7	100	1.100	**3492023**
ES M 10x25	M10	12	25	25	2.1	50	1.400	**3492022**
ES M 10x40	M10	12	40	40	2	50	2.100	**3492024**
ES M 12x25	M12	15	25	25	2.1	50	2.200	**3492025**
ES M 12x50	M12	15	50	50	2.4	50	4.100	**3492026**

Impact tie for single fastening of non-load-bearing systems in non-cracked concrete as well as for multiple fastening in cracked and non-cracked concrete.
Tested to fire protection standards, fire resistance class R 120 according to European Technical Approval ETA-02/0020 (option 7) and European Technical Approval ETA-05/0116.
Mounting with marking and setting tool.

Impact tie, version with collar

A4

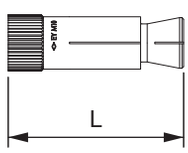


Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
ES M 8x30 A4	M8	10	30	30	1.7	50	1.100	**3492003**
ES M 10x40 A4	M10	12	40	40	2	50	2.000	**3492008**
ES M 12x50 A4	M12	15	50	50	2.4	50	4.300	**3492012**

Impact tie for single fastening of non-load-bearing systems in non-cracked concrete as well as for multiple fastening in cracked and non-cracked concrete.
Tested to fire protection standards, fire resistance class R 120 according to European Technical Approval ETA-02/0020 (option 7) and European Technical Approval ETA-05/0116.
Mounting with marking and setting tool.

Hollow core anchor Easy

St G



Type	Thread	Drill hole Ø mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
Easy M6	M6	10	40	50	1.000	**3498768**
Easy M8	M8	12	44	25	1.500	**3498770**
Easy M10	M10	16	53	25	3.320	**3498774**
Easy M12	M12	18	58	25	4.230	**3498776**

Hollow core anchor "Easy" for mounting in prestressed hollow concrete slabs. When the screw or the nut is tightened, the cone is released from the anchor sleeve and pulled into it. This makes the anchor expand in the hollow space, thereby creating firm lock. The hollow core anchor can also be used when the expansion area is not located in the cavity.
The fastening of the component can be done with standard screws and threaded rods.

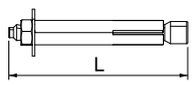
General type approval Z-21.1-1785 granted by the German Institute for civil engineering (DIBt), Berlin, including permissible loads when exposed to fire up to a fire resistance duration of 120 minutes.

St G

DIBt

Porous concrete anchor with external thread

Type	Thread	Fixture thickness mm	Dim. L mm		Pack Piece	Weight kg/100 pc.	Item no.
PBD M6x10	M6	10	86		25	4.900	**3497600**
PBD M8x10	M8	10	88		25	7.600	**3497608**
PBD M10x10	M10	10	90		25	11.400	**3497616**



Steel spreading anchor tested for fire protection properties and approved for use in porous concrete.

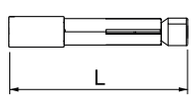
Version with external thread. Suitable for fire loads of up to 120 minutes, please refer to the general construction approval for the load values (applies to porous concrete of resistance classes of min. 3.3).
A setting tool is required for mounting.

St G

DIBt

Porous concrete anchor with internal thread

Type	Thread	Dim. L mm		Pack Piece	Weight kg/100 pc.	Item no.
PBD i M6	M6	82		25	4.500	**3497700**
PBD i M8	M8	82		25	6.200	**3497702**
PBD i M10	M10	92		25	9.300	**3497704**
PBD i M12	M12	92		25	8.900	**3497706**



Steel spreading anchor tested for fire protection properties and approved for use in porous concrete.

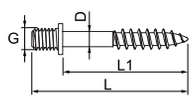
Version with internal thread. Suitable for fire loads of up to 120 minutes, please refer to the general construction approval for the load values (applies to porous concrete of resistance classes of min. 3.3).
A setting tool is required for mounting.

Screw-in anchor

St G

Screw-in anchor with M6 thread

Type	Dim. G mm	Dim. D mm	Dim. L1 mm	Dim. L mm		Pack Piece	Weight kg/100 pc.	Item no.
985 M6 25	M6	4.3	25	35		100	0.412	**3133028**
985 M6 35	M6	4.3	35	45		100	0.533	**3133036**

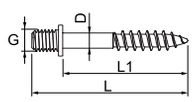


With wood screw shank and M6 thread.

St G

Screw-in anchor with M8 thread

Type	Dim. G mm	Dim. D mm	Dim. L1 mm	Dim. L mm		Pack Piece	Weight kg/100 pc.	Item no.
985 M8 35	M8	5.2	35	47		100	0.950	**3133230**



With wood screw shank and M8 thread.

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Injection mortar in cartridge, 280 ml

Type	Contents ml		Pack Piece	Weight kg/100 pc.	Item no.
VMU plus 280	280		1	56.000	**3497800**

Styrene-free, vinyl ester composite mortar for spread-free anchoring of high loads with threaded anchor rods. Coaxial cartridge, including 1 mixing tube, to be worked with the standard cartridge gun or VM-P 345 Profi.

European Technical Assessment for cracked and uncracked concrete, as well as for masonry of full and hollow brick. Earthquake-proof in concrete according to Category C1. Fire protection approval for concrete and masonry with fire resistance classes up to 120 minutes.

Substrate temperature during processing –10 °C to +40 °C (concrete), ambient temperature after complete hardening –40 °C to +120 °C (in concrete). Will keep for at least 18 months if stored in a dark, cool and dry place.

The injection mortar has a European Technical Approval (ETA) for cracked and uncracked concrete, as well as for masonry of full or hollow brick. It is earthquake-proof according to performance category C1 and has fire protection approvals for concrete and masonry with a fire resistance class up to 120 minutes.

Injection mortar in cartridge, 420 ml

Type	Contents ml		Pack Piece	Weight kg/100 pc.	Item no.
VMU plus 420	420		1	83.000	**3497803**

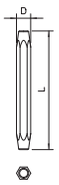
Styrene-free, vinyl ester composite mortar for spread-free anchoring of high loads with threaded anchor rods. Coaxial cartridge, including one mixing tube, to be worked with the pressing gun, type VM-P 380 Profi.

European Technical Assessment for cracked and uncracked concrete, as well as for masonry of full and hollow brick. Earthquake-proof in concrete according to Category C1. Fire protection approval for concrete and masonry with fire resistance classes up to 120 minutes.

Substrate temperature during processing –10 °C to +40 °C (concrete), ambient temperature after complete hardening –40 °C to +120 °C (in concrete). If stored in a dark, cool and dry place, will keep for at least 18 months.

Flattener

St

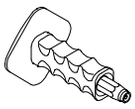


Type	Dim. L mm	Dim. D mm	Size	Pack Piece	Weight kg/100 pc.	Item no.
915 S M6	135	14	M6	1	17.000	**3031012**

Flattener for OBO anchors 903 with M6 thread.

Flattener with hand protection

St

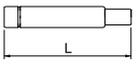


Type	Pack Piece	Weight kg/100 pc.	Item no.
915 RBS M4	1	52.000	**3031500**

Flattener with hand protection for OBO anchors 903/RB Ø 4 mm and also for OBO anchors 904 with M4 thread.

Setting tool for hand hammer

St G

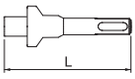


Type	Size	Pack Piece	Weight kg/100 pc.	Item no.
EWP 6x10	M6x10	1	32.500	**3497640**
EWP 8x10	M8x10	1	39.800	**3497648**
EWP 10x10	M10x10	1	47.600	**3497656**

Setting tool PBD porous concrete anchors – for hand hammer.

Setting tool for rotary hammer

St G

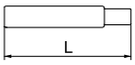


Type	Size	Pack Piece	Weight kg/100 pc.	Item no.
SDS-EWP 8x10	M8x10	1	26.000	**3497676**
SDS-EWP 10x10	M10x10	1	25.600	**3497684**

Setting tool for PBD porous concrete anchors – for rotary hammer with SDS seat.

Setting tool for hand hammer

St G



Type	Size	Pack Piece	Weight kg/100 pc.	Item no.
EWP 6 i	M6x10	1	30.000	**3497720**
EWP 8 i	M8x10	1	37.100	**3497722**
EWP 10 i/ 12 i	M10/M12x10	1	44.800	**3497724**

Setting tool for PBDi porous concrete anchors – for hand-hammer.

Pressing gun for 10:1 coaxial cartridges

Type		Pack Piece	Weight kg/100 pc.	Item no.
VM-P 380 Profi		1	110.000	3497909

High-quality 2-component cartridge pistol. The parallel movement of the outlet to the holding grip ensures easy working. Suitable for the injection mortar type VMU plus 420.

Pressing gun for standard cartridges and side-by-side cartridges

Type		Pack Piece	Weight kg/100 pc.	Item no.
VM-P 345 Profi		1	100.000	3497906

Side-by-side cartridge pistol for the use of standard cartridges or side-by-side cartridges. The cartridge pistol is suitable for the injection mortar VMU plus 280 and can also be used with normal 300 ml cartridges.

Blow pump for drill holes

Type		Pack Piece	Weight kg/100 pc.	Item no.
VM-AP 360		1	27.000	3497912

Manual pump with 750 ml air volume for blowing out drill holes according to anchor approval.

PA

Mixer pipe for mortar cartridge

Type		Pack Piece	Weight kg/100 pc.	Item no.
VM-X		12	1.000	3497981

Mixing tubes for attachment to the cartridges of the VMU plus injection mortar system.

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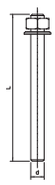
Always indicate the item number when ordering.

Anchor rods

Anchor rod

St G



Type	Dim. L mm	Dim. d mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
VMU-A 8-110vz	110	6.5	M8	13	10	4.350	**3497820**
VMU-A 10-130vz	130	8.2	M10	17	10	8.150	**3497822**
VMU-A 10-150vz	150	8.2	M10	17	10	9.150	**3497824**
VMU-A 12-155vz	155	9.9	M12	19	10	13.850	**3497826**
VMU-A 8-110A4	110	6.5	M8	13	10	4.350	**3497830**
VMU-A 10-130A4	130	8.2	M10	17	10	8.150	**3497832**
VMU-A 12-155A4	155	9.9	M12	19	10	13.850	**3497834**

With the anchor rod and matching plastic wire sleeve, loads are fastened without spreading pressure in masonry walls using the VMS plus injection mortar. The system is also used for fastening in concrete ceilings. On concrete and full brick walls, the anchor rod is only mounted with the injection mortar VMU plus, without a wire sleeve.

The anchor rod VMU-A 8x110 mm is mounted using the plastic wire sleeve VM-SH 12x80 or VM-SH 16x85.
The anchor rod VMU-A 10x130 mm is mounted using the plastic wire sleeve VM-SH 16x85.
The anchor rod VMU-A 10x150 mm is mounted using the plastic wire sleeve VM-SH 16x85 or VM-SH 16x130.
The anchor rod VMU-A 12x155 mm is mounted using the plastic wire sleeve VM-SH 20x85.

Use the wire sleeve VMU-SH 12x50 for the anchor rods M6 (L=65 mm) and M8 (L=65 mm). Should the anchor rods M8 (L=120 mm), M10 (L=140 mm), M10 (L=160 mm) and M12 (L=165 mm) be used, then use the wire sleeve VMU-SH 18x95.

Cleaning brush

Steel cleaning brush for drill holes

St G

Type	Diameter mm	Length mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
RB 10 M 6	10	130	M6	1	5.000	**3497870**
RB 12 M 6	12	140	M6	1	5.000	**3497872**
RB 14 M 6	14	180	M6	1	5.000	**3497874**
RB 16 M 6	16	190	M6	1	5.000	**3497875**
RB 18 M 6	18	200	M6	1	5.000	**3497876**
RB 20 M 6	20	220	M6	1	5.000	**3497878**

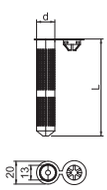
Using the steel wire brush, drill holes must be mechanically cleaned according to the anchor approval, in order to obtain a clean adhesion substrate for the injection mortar.

The steel wire brush is fixed to an SDS adapter with a threaded connection, in order to clean the drill holes with a drill.

Sleeves

Plastic wire sleeve

PA



Type	Dim. L mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
VMU-SH 12x80	80	12	10	0.200	**3497860**
VMU-SH 16x85	85	16	10	0.300	**3497862**
VMU-SH 16x130	130	16	10	0.400	**3497864**
VMU-SH 20x85	85	20	10	0.400	**3497866**

The plastic wire sleeve is a supplement to the anchor rod or internal thread sleeve and is used to install components on masonry.

The plastic wire sleeve VM-SH 12x80 is mounted with the anchor rod VMU-A 8x110.
The plastic wire sleeve VM-SH 16x85 is mounted with the anchor rods VMU-A 10x130 and VMU-A 10x150 or the internal thread sleeve VMU-IG M6x80.
The plastic wire sleeve VM-SH 16x130 is mounted with the anchor rod VMU-A 10x150.
The plastic wire sleeve VM-SH 20x85 is mounted with the anchor rod VMU-A 12x155 or the internal thread sleeve VMU-IG M8x80 and VMU-IG M10x80.

St

SDS adapter

Type		Pack Piece	Weight kg/100 pc.	Item no.
RBL M6 SDS		1	6.000	**3497915**

Adapter for accepting steel wire brushes for mechanical cleaning of drill holes according to the anchor approval. Suitable for drills with SDS seat.

St

SDS extension

Type	Length mm		Pack Piece	Weight kg/100 pc.	Item no.
RB-L 150 M6	150		1	9.700	**3497932**

Extension with internal and external M6 thread for the connection of the SDS adapter with steel wire brush in difficult to access drill holes.

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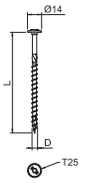
Wood screws

Flange head-screw HT 6

St G

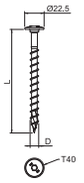


Type	Dim. D mm	Dim. L mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
HT 6x60 TD	6	60	14	Torx	200	0.850	**3498130**
HT 6x80 TD	6	80	14	Torx	100	1.100	**3498132**
HT 6x100 TD	6	100	14	Torx	100	1.300	**3498134**
HT 6x120 TD	6	120	14	Torx	100	1.300	**3498136**

Self-tapping wood screw for fireproof fastening of cable systems for the maintenance of electrical function according to DIN 4102 Part 12 on supporting wooden structures. The flange head shape allows installation without an additional washer.

Flange head-screw HT 10

St G



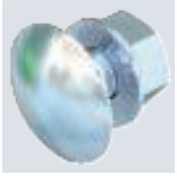
Type	Dim. D mm	Dim. L mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
HT 10x80 TD	10	80	22.5	Torx	50	3.100	**3498140**
HT 10x100 TD	10	100	22.5	Torx	50	3.700	**3498142**
HT 10x120 TD	10	120	22.5	Torx	50	4.300	**3498144**
HT 10x140 TD	10	140	22.5	Torx	50	4.900	**3498146**

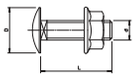
Self-tapping wood screw for fireproof fastening of cable systems for the maintenance of electrical function according to DIN 4102 Part 12 on supporting wooden structures. The flange head shape allows installation without an additional washer.

Truss-head bolts

Truss-head bolt with combination nut

St G



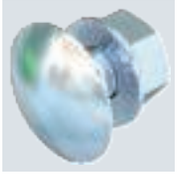


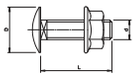
Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 G	M6x12	12	6	13.5	5.6	100	0.804	**6406130**

Hot galvanised truss-head bolt with square neck including electrogalvanised combination nut.
For universal fastening of construction components. Permitted use of the article only in dry atmospheres.

Truss-head bolt with flange nut

St F





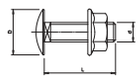
Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 VZ F	M6x12	12	6	13.5	5.6	10	0.840	**6406125**
FRSB 6x12 F	M6x12	12	6	13.5	5.6	100	0.812	**6406122**
FRSB 6x16 F	M6x16	16	6	13.5	5.6	100	0.890	**6406157**
FRSB 6x20 F	M6x20	20	6	13.5	5.6	100	0.965	**6406203**
FRSB 6x30 F	M6x30	30	6	13.5	5.6	100	1.232	**6406907**

Truss-head bolt with square neck including flange nut.

VA VA 2B

Truss-head bolt with flange nut

Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 A2	M6x12	12	6	13.5	A2-70	100	0.830	**6406138**
FRSB 6x16 A2	M6x16	16	6	13.5	A2-70	100	0.800	**6406189**
FRSB 6x20 A2	M6x20	20	6	13.5	A2-70	100	0.960	**6406205**
FRSB 6x12 A4	M6x12	12	6	13.5	A4-50	100	0.796	**6406142**
FRSB 6x16 A4	M6x16	16	6	13.5	A4-50	100	0.800	**6406193**
FRSB 6x20 A4	M6x20	20	6	13.5	A4-70	100	0.960	**6406207**

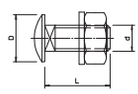


Truss-head bolt with square neck including flange nut.

St F

Truss-head bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 8x16 F 8.8	M8x16	16	8	20	8.8	50	1.947	**6406963**
FRS 8x20 F	M8x20	20	8	20	5.6	50	2.054	**6406971**
FRS 8x25 F	M8x25	25	8	20	8.8	50	2.217	**6406998**
FRS 8x35 F	M8x35	35	8	20	5.6	50	2.431	**6407048**
FRS 10x20 F	M10x20	20	10	24	8.8	50	4.100	**6407471**
FRS 10x25 F	M10x25	25	10	24	5.6	50	4.077	**6407528**
FRS 10x25 F 8.8	M10x25	25	10	24	8.8	50	4.500	**6407560**
FRS 10x25 TPS F	M10x25	25	10	18	5.6	50	4.300	**6407536**
FRS 10x30 F	M10x30	30	10	24	8.8	50	4.187	**6407579**
FRS 12x25 F	M12x25	25	12	30	5.6	50	6.518	**6406254**
FRS 12x30 F	M12x30	30	12	30	5.6	50	6.805	**6406270**

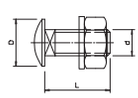


Truss-head bolt with square neck. With washer and hexagonal nut.
The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.

VA VA VA 2B

Truss-head bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 6x12 A2	M6x12	12	6	13.5	A2-70	100	0.760	**6406521**
FRS 6x16 A2	M6x16	15	6	13.5	A2-70	100	0.869	**6406556**
FRS 6x20 A2	M6x20	20	6	13.5	A2-70	100	0.942	**6406602**
FRS 8x16 A2	M8x16	16	8	20	A2-70	50	1.926	**6406696**
FRS 8x25 A2	M8x25	25	8	20	A2-70	50	2.300	**6406815**
FRS 8x35 A2	M8x35	35	8	20	A2-70	50	2.700	**6406823**
FRS 10x25 A2	M10x25	25	10	24	A2-70	50	3.905	**6406718**
FRS 10x30 A2	M10x30	30	10	24	A2-70	50	4.500	**6406726**
FRS 12x25 A2	M12x25	25	12	30	A2-70	25	6.400	**6406750**
FRS 12x30 A2	M12x30	30	12	30	A2-50	25	6.800	**6406769**
FRS 6x12 A4	M6x12	12	6	13.5	A4-70	100	0.820	**6406564**
FRS 6x16 A4	M6x16	16	6	13.5	A4-70	100	0.900	**6406580**
FRS 6x20 A4	M6x20	20	6	13.5	A4-70	100	0.977	**6406610**
FRS 8x16 A4	M8x16	16	8	20	A4-50	50	2.200	**6406653**
FRS 8x16 A4	M8x16	16	8	20	A4-70	50	2.200	**6406698**
FRS 12x25 A4	M12x25	25	12	30	A4-70	25	6.400	**6406785**
FRS 10x20 A4	M10x20	20	10	24	A4-70	50	4.000	**6406870**



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

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Hexagonal bolt with nut and washer

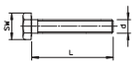
St F

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 6x12 F	M6x12	12	6	10	5.6	100	0.810	**3156494**
SKS 6x20 F	M6x20	20	6	10	5.6	100	0.917	**3156516**
SKS 6x30 F	M6x30	30	6	10	5.6	100	1.097	**3156524**

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with nut and washer

St F

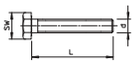


Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 8x16 F	M8x16	16	8	13	8.8	50	1.691	**3158624**
SKS 8x20 F	M8x20	20	8	13	8.8	50	1.837	**3158632**
SKS 8x30 F	M8x30	30	8	13	5.6	50	2.144	**3158640**

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with nut and washer

St F

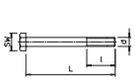


Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x25 F	M10x25	25	10	17	8.8	50	3.719	**3160734**
SKS 10x30 F	M10x30	30	10	17	8.8	50	3.995	**3160742**
SKS 10x40 F	M10x40	40	10	17	8.8	50	4.422	**3160750**
SKS 10x60 F	M10x60	60	10	17	8.8	20	6.000	**6408516**
SKS 10x80 F	M10x80	80	10	17	8.8	20	7.700	**6418250**
SKS 10x90 F	M10x90	90	10	17	8.8	20	8.950	**6418252**
SKS 10x120 F	M10x120	120	10	17	8.8	20	8.294	**3160793**

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with nut and washer

St G

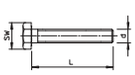


Type	Dimension mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x110 G	M10x110	110	30	10	17	5.6	20	9.500	**6418244**

Hexagonal bolt with washers and hexagonal nut.

Hexagonal bolt with nut and washer

A4



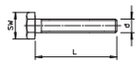
Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x30 A4	M10x30	30	10	17	A4-70	50	3.000	**3160752**

Hexagonal bolt for universal fixing of structure components.

St F

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x30 F	M 12 x 30	30	12	19	8.8	20	5.990	**3163091**
SKS 12x40 F	M 12 x 40	40	12	19	8.8	25	7.800	**3163113**
SKS 12x60 F	M 12 x 60	60	12	19	8.8	25	8.057	**3163156**

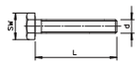


Hexagonal bolt for universal fixing of structure components.

VA VA 2B

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x90 A2	M 10 x 90	90	10	17	A2-70	20	10.038	**6418255**
SKS 10x80 A4	M 10 x 80	80	10	17	A4-70	20	7.800	**6418248**
SKS 10x90 A4	M 10 x 90	90	10	17	A4-70	20	7.800	**6418256**



Hexagonal bolt for universal fixing of structure components.

St F

Hexagonal bolt with hexagonal nut, washer and tooth lock washer

Type	Dimension mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x80 F	M 12 x 80	80	30	12	19	8.8	20	10.000	**6418287**
SKS 12x100 F	M 12 x 100	100	30	12	19	8.8	20	10.981	**6418295**
SKS 12x110 F	M 12 x 110	110	30	12	19	8.8	20	14.500	**6418317**
SKS 12x130 F	M 12 x 130	130	36	12	19	8.8	20	13.101	**6408478**

Hexagonal bolt with hexagonal nut, washer and tooth lock washer.

VA 2B

Hexagonal bolt with hexagonal nut, washer and tooth lock washer

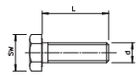
Type	Dimension mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x80 A2	M 12 x 80	80	30	12	19	A2-70	20	10.400	**6418279**
SKS 12x100 A2	M 12 x 100	100	30	12	19	A2-70	20	12.000	**6418368**
SKS 12x110 A2	M 12 x 110	110	30	12	19	A2-70	20	14.500	**6418376**

Hexagonal bolt for universal fixing of structure components.

St F

Hexagonal bolt with large surface screw, washer and nut

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x40 G F	M 12 x 40	40	12	19	8.8	10	9.800	**3164020**



Hexagonal bolt with hexagonal nut, large washer and washer.
For fastening wall and support brackets on adapter plates.

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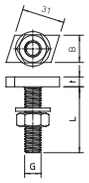
Always indicate the item number when ordering.

Hook-head screw

St ZL

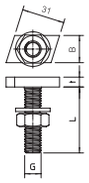


Type	Length mm	Width mm		Pack Piece	Weight kg/100 pc.	Item no.
MS40HB M6x30 ZL	35	17		50	4.800	**1148106**
MS40HB M8x30 ZL	35	17		50	5.650	**1148110**
MS40HB M8x60 ZL	35	17		25	6.850	**1148114**
MS40HB M10x30 ZL	35	14		50	6.000	**1148118**
MS40HB M10x60 ZL	35	14		25	7.850	**1148122**
MS40HB M12x30 ZL	35	14		50	7.550	**1148126**
MS40HB M12x60 ZL	35	14		25	10.250	**1148130**

Hook-head screw for use with MS4022 profile rail

Hook head screw

A4 2B

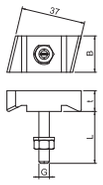


Type	Length mm	Width mm		Pack Piece	Weight kg/100 pc.	Item no.
MS40HB M8x30 A4	35	17		50	5.650	**1148150**
MS40HB M8x60 A4	35	17		25	6.850	**1148154**
MS40HB M10x30 A4	35	14		50	6.000	**1148160**
MS40HB M10x60 A4	35	14		25	7.850	**1148164**
MS40HB M12x30 A4	35	14		50	7.550	**1148168**
MS40HB M12x60 A4	35	14		25	9.320	**1148170**

Hook-head screw for use with MS4022 profile rail

Hook-head screw

St ZL

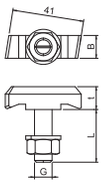


Type	Length mm	Width mm	Height mm		Pack Piece	Weight kg/100 pc.	Item no.
MS50HB M6x30 ZL	43	21	12		50	7.800	**1148206**
MS50HB M8x30 ZL	43	21	12		50	8.700	**1148210**
MS50HB M8x60 ZL	43	21	12		25	9.900	**1148214**
MS50HB M10x30 ZL	43.3	13	10		50	7.700	**1148218**
MS50HB M10x60 ZL	43.3	13	10		25	9.450	**1148222**
MS50HB M12x30 ZL	43.3	13	10		50	9.000	**1148226**
MS50HB M12x60 ZL	43.3	13	10		25	11.650	**1148230**

Hook-head screw for use with MS5030 profile rail

Hook head bolt

A4 2B



Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS50HB M10x30 A4	43.3	13	10	M10x30mm	50	7.700	**1148268**
MS50HB M10x60 A4	43.3	13	10	M10x60mm	25	9.450	**1148272**
MS50HB M12x30 A4	43.3	13	10	M12x30mm	50	9.000	**1148276**
MS50HB M12x60 A4	43.3	13	10	M12x60mm	25	11.650	**1148280**

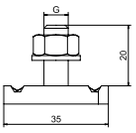
Hook-head screw for use with MS5030 profile rail

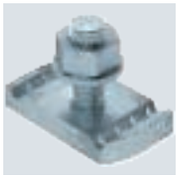
St ZL

Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HB M6x30 ZL	35	20	6	M6x30	3.3	50	4.000	**1148306**
MS41HB M8x30 ZL	35	20	6	M8x30	8	50	4.850	**1148310**
MS41HB M8x60 ZL	35	20	6	M8x60	8	25	6.000	**1148314**
MS41HB M8x100 ZL	35	20	6	M8x100	8	20	7.600	**1148318**
MS41HB M10x30 ZL	35	20	8	M10x30	16	50	7.400	**1148322**
MS41HB M10x60 ZL	35	20	8	M10x60	16	25	9.250	**1148326**
MS41HB M10x100ZL	35	20	8	M10x100	16	20	11.700	**1148330**
MS41HB M12x30 ZL	35	20	9.5	M12x30	27	50	9.750	**1148334**
MS41HB M12x60 ZL	35	20	9.5	M12x60	27	25	12.400	**1148338**
MS41HB M12x100ZL	35	20	9.5	M12x100	27	20	15.950	**1148342**

Hammer-head bolt for use with MS4121 and MS4141 profile rails



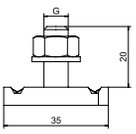


A4 2B

Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HB M10x30 A4	35	20	8	M10x30	9.9	50	7.350	**1148422**

Hammer-head bolt for use with MS4121 and MS4141 profile rails

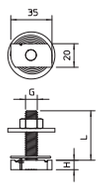


St F

Hammer-head bolt with spring

Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HBF M8x30 F	35	20	50	5.200	**1148376**
MS41HBF M8x60 F	35	20	25	6.300	**1148380**
MS41HBF M10x30 F	35	20	50	7.700	**1148384**
MS41HBF M10x60 F	35	20	25	9.550	**1148388**
MS41HBF M12x30 F	35	20	50	10.000	**1148392**
MS41HBF M12x60 F	35	20	25	12.700	**1148396**

Hammer-head bolt with spring for use with MS4121 and MS4141 profile rails

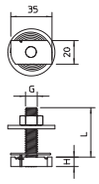


A4 2B

Hammer-head bolt with spring

Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HBF M10x30A4	35	20	50	7.350	**1148484**
MS41HBF M10x60A4	35	20	25	9.200	**1148488**
MS41HBF M12x30A4	35	20	50	9.700	**1148492**
MS41HBF M12x60A4	35	20	25	12.400	**1148496**

Hammer-head bolt with spring for use with MS4121 and MS4141 profile rails

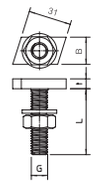


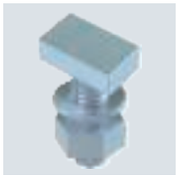
St ZL

Hammer-head bolt

Type	Length mm	Width mm	Height mm	Pack Piece	Weight kg/100 pc.	Item no.
ACMHB M6x30 ZL	26	16.5	5	50	2.600	**1148056**
ACMHB M8x30 ZL	26	16.5	5	50	3.197	**1148060**
ACMHB M8x60 ZL	26	16.5	5	25	4.650	**1148064**
ACMHB M10x30 ZL	26	16.5	5	50	4.950	**1148068**
ACMHB M10x60 ZL	26	16.5	5	25	6.750	**1148072**

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails





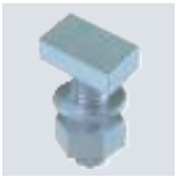
Industrie Baltikum 2 / en / 2022/04/13 14:32:27 14:32:27 (LLExport_02946) / 2022/04/13 14:32:46 14:32:46

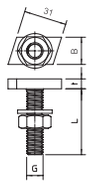
Always indicate the item number when ordering.

Hammer-head bolts

Hammer-head bolt

A4 2B





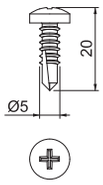
Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
ACMHB M6x30 A4	26	16.5	5	M 6 x 30mm	50	2.600	**1148076**
ACMHB M8x30 A4	26	16.5	5	M 8 x 30mm	50	3.450	**1148080**
ACMHB M8x60 A4	26	16.5	5	M 8 x 60mm	25	4.650	**1148084**
ACMHB M10x30 A4	26	16.5	5	M 10 x 30mm	50	4.950	**1148088**
ACMHB M10x60 A4	26	16.5	5	M 10 x 60mm	25	6.240	**1148092**

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails

Drilling screw

Drilling screw DIN 7504

St G

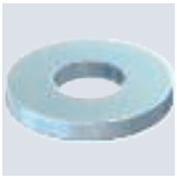


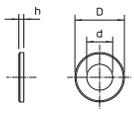
Type	Dimension mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN 7504 N G	4,8 x 16	100	0.250	**3176428**

Self-tapping, with Philips.

Washer

St G



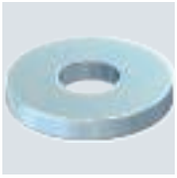


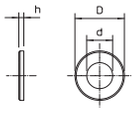
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 G	M6	6.4	12	1.6	100	0.114	**3402061**
WS M8 D16 G	M8	8.4	16	1.6	100	0.156	**3402088**
WS M10 D20 G	M10	10.5	20	2	100	0.408	**3402096**
WS M12 D24 G	M12	13	24	2.5	100	0.570	**3402126**

Washer according to DIN 125, shape A, for universal use.

Washer ISO 7093

St G



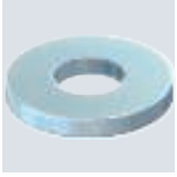


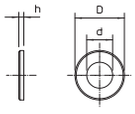
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D28 G	M6	6.5	28	2.5	100	1.104	**3402207**
WS M8 D28 G	M8	8.5	28	2.5	100	1.100	**3402215**
WS M10 D28 G	M10	11	28	2.5	100	1.020	**3402223**

Washer of large outer diameter for universal use.

Washer

St F



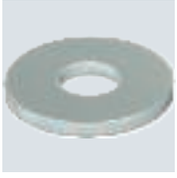


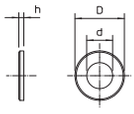
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
966 M6 F	M6	6.6	12	1.6	100	0.098	**3402444**
966 M8 F	M8	9	16	1.6	100	0.177	**3402452**
966 M10 F	M10	11	20	2	100	0.327	**3402460**
966 M12 F	M12	13.5	24	2.5	100	0.620	**3402479**

Washer for universal use.

Washer

A2 2B



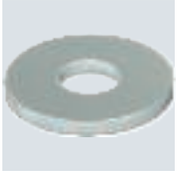


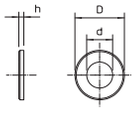
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 A2	M6	6.4	12	1.6	100	0.114	**3402304**
WS M8 D16 A2	M8	8.4	16	1.6	100	0.214	**3402312**
WS M10 D20 A2	M10	10.5	20	2	100	0.408	**3402320**
WS M12 D24 A2	M12	13	24	2.5	100	0.627	**3402339**

Washer according to DIN 125, shape A, for universal use.

Washer

A4 2B





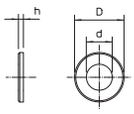
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 A4	M6	6.4	12	1.6	100	0.114	**3402306**
WS M8 D16 A4	M8	8.4	16	1.6	100	0.214	**3402314**
WS M10 D20 A4	M10	10.5	20	2	100	0.408	**3402322**
WS M12 D24 A4	M12	13	24	2.5	100	0.627	**3402345**

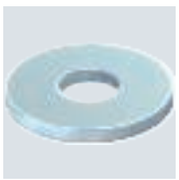
Washer according to DIN 125, shape A, for universal use.

St G

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 G25 G	M6	6.4	25	1.2	100	0.428	**3403084**
WS M8 G20 G	M8	8.4	20	1.25	100	0.227	**3403122**
WS M8 G25 G	M8	8.4	25	1.2	100	0.408	**3403130**
WS M10 G30 G	M10	10.5	30	1.5	100	0.598	**3403165**



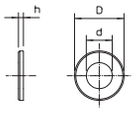


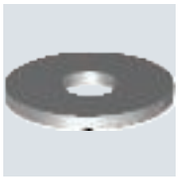
Washer of particularly large outer diameter.

A2 2B

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M8 D20 A2	M8	8.4	20	1.5	100	0.240	**3403125**
WS M8 D25 A2	M8	8.4	25	1.5	100	0.370	**3403135**
WS M8 D40 A2	M8	8.5	40	1.5	100	0.370	**3403145**
WS M10 D30 A2	M10	10.5	30	1.5	100	0.592	**3403155**
WS M10 D40 A2	M10	10.5	40	1.5	100	0.592	**3403175**



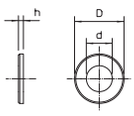


Washer of particularly large outer diameter. In the case of connections on the MS 41 mounting rail, we recommend the external diameter of 40 mm.

A4 2B

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M8 D20 A4	M8	8.4	20	1.5	100	0.240	**3403127**
WS M8 D25 A4	M8	8.4	25	1.2	100	0.370	**3403137**
WS M8 D40 A4	M8	8.4	40	1.5	100	0.370	**3403147**
WS M10 D30 A4	M10	10.5	30	1.5	100	0.592	**3403163**
WS M10 D40 A4	M10	10.5	40	1.5	100	0.592	**3403177**

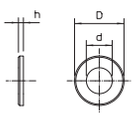


Washer of particularly large outer diameter. In the case of connections on the MS 41 mounting rail, we recommend the external diameter of 40 mm.

St F

Large washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN440 7 F	M6	6.6	22	2	100	0.535	**6408702**
DIN440 9 F	M8	9	28	3	100	1.057	**6408710**
DIN440 11 F	M10	11	34	3	100	1.852	**6408729**
DIN440 14 F	M12	13.5	44	4	50	4.736	**6408737**

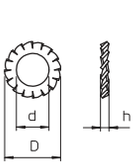


Washer of particularly large outer diameter.

St G

Serrated washer DIN 6798

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M8 G	M8	8.4	15	2.4	100	0.080	**3404080**
SWS M10 G	M10	10.5	18	2.7	100	0.125	**3404102**
SWS M12 G	M12	13	20.5	3	100	0.160	**3404129**



Serrated washer to DIN 6798, shape A.

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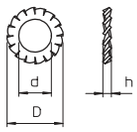
Serrated washers

Serrated washer DIN 6798

A4 2B

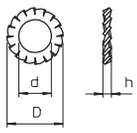


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M6 A4	M6	6.4	11	2.1	100	0.036	**3404372**
SWS M8 A4	M8	8.4	15	2.4	100	0.080	**3404377**
SWS M10 A4	M10	10.5	18	2.7	100	0.125	**3404381**
SWS M12 A4	M12	13	20.5	3	100	0.170	**3404385**

Serrated washer to DIN 6798, shape A.

Serrated washer DIN 6798

A2 2B



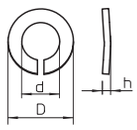
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M6 A2	M6	6.4	11	2.1	100	0.040	**3404331**
SWS M8 A2	M8	8.4	15	2.4	100	0.080	**3404358**

Serrated washer to DIN 6798, shape A.

Lock washers

Lock washer

St G



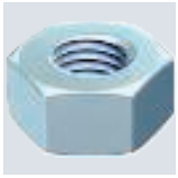
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LWS M6 G	M6	6.3	11.8	2.1	100	0.070	**3405060**
LWS M8 G	M8	8.3	14.8	2.6	100	0.130	**3405087**
LWS M10 G	M10	10.5	18.1	3	100	0.210	**3405109**
LWS M12 G	M12	12.5	21.1	3.5	100	0.320	**3405125**

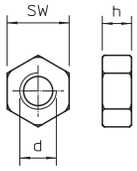
Lock washer according to DIN 128, shape A.

Nuts

Hexagonal nut DIN 934

St G



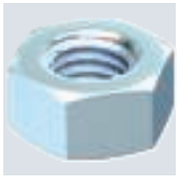


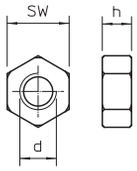
Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 G	M6	10	5.2	6	100	0.221	**3400069**
HN M8 G	M8	13	6.8	8	100	0.500	**3400085**
HN M10 G	M10	17	8.4	10	100	1.014	**3400107**
HN M12 G	M12	19	10.8	12	100	1.730	**3400123**

Hexagonal nut to DIN 934 with metric thread.

Hexagonal nut ISO 4032

St F





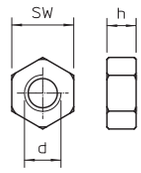
Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN934 M8 F	M8	13	6.8	8	100	0.477	**3400352**
DIN934 M10 F	M10	17	8.4	10	100	1.061	**3400360**
DIN934 M12 F	M12	19	10.8	12	100	1.540	**3400379**

Hexagonal nut to DIN 934 with metric thread.

A2 2B

Hexagonal nut DIN 934

Type	Thread	SW mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 A2	M6	10	5.2	6	100	0.215	**3397068**
HN M8 A2	M8	13	6.8	8	100	0.520	**3397084**
HN M10 A2	M10	17	8.4	10	100	1.043	**3397106**
HN M12 A2	M12	19	10.8	12	100	1.730	**3397114**

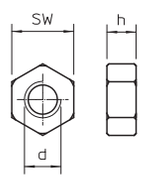


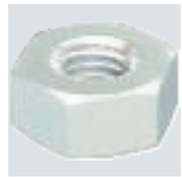
Hexagonal nut to DIN 934 with metric thread.

A4 2B

Hexagonal nut DIN 934

Type	Thread	SW mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 A4	M6	10	5.2	6	100	0.250	**3400173**
HN M8 A4	M8	13	6.8	8	100	0.520	**3400175**
HN M10 A4	M10	17	8.4	10	100	1.084	**3400177**



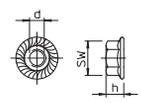


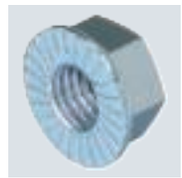
Hexagonal nut to DIN 934 with metric thread.

St G

Flange nut

Type	Dim. d mm	Dim. mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 G	6	6	10	8	100	0.315	**6408958**



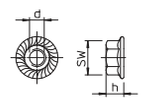


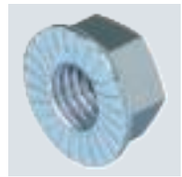
Combination nut with washer based on EN 1661.

St F

Flange nut

Type	Dim. d mm	Dim. mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 F	6	6	10	8	100	0.315	**6408962**



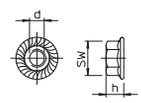


Combination nut with washer based on EN 1661.

VA 2B

Combination nut A2

Type	Dim. d mm	Dim. mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 A2	6	6	10	A2-70	100	0.315	**6408966**



Nut with pressed washer.

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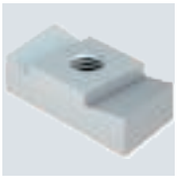
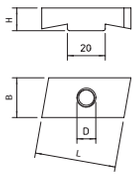
Always indicate the item number when ordering.

Slide nut

St ZL



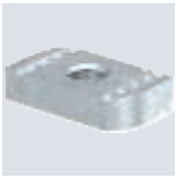


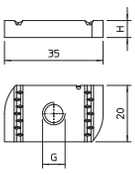
Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS40SN M6 ZL	35	17	10	M6	50	3.750	**1147106**
MS40SN M8 ZL	35	17	10	M8	50	3.600	**1147110**
MS40SN M10 ZL	35	17	10	M10	50	3.400	**1147114**
MS40SN M12 ZL	35	17	10	M12	50	3.160	**1147118**

Slide nut for use with MS4022 profile rail

Slide nut

St ZL



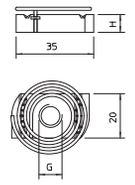


Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS41SN M6 ZL	35	20	6	M6	50	2.880	**1147206**
MS41SN M8 ZL	35	20	6	M8	50	2.800	**1147210**
MS41SN M10 ZL	35	20	8	M10	50	3.650	**1147214**
MS41SN M12 ZL	35	20	9.5	M12	50	4.200	**1147218**

Slide nut for use with MS4121 und MS4141 profile rails

Slide nut with spring

St F

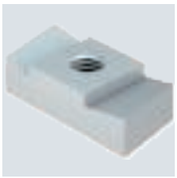


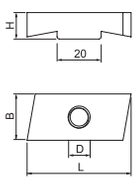
Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS41SNF M6 F	35	20	6	M6	50	3.200	**1147306**
MS41SNF M8 F	35	20	6	M8	50	3.150	**1147310**
MS41SNF M10 F	35	20	8	M10	50	4.000	**1147314**
MS41SNF M12 F	35	20	9.5	M12	50	4.550	**1147318**

Slide nut with spring for use with MS4121 und MS4141 profile rails

Slide nut

St ZL



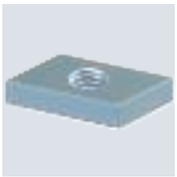


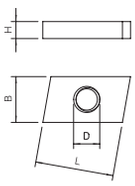
Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS50SN M6 ZL	43	21	12	M6	50	6.700	**1147156**
MS50SN M8 ZL	43	21	12	M8	50	6.550	**1147160**
MS50SN M10 ZL	43	21	12	M10	50	6.350	**1147164**
MS50SN M12 ZL	43	21	12	M12	50	6.100	**1147168**

Slide nut for use with MS5030 profile rail

Slide nut

St ZL





Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
ACMSN M6 ZL	26	16.5	4	M6	100	1.212	**1147056**
ACMSN M8 ZL	26	16.5	5	M8	100	1.640	**1147060**
ACMSN M10 ZL	26	16.5	6	M10	100	1.300	**1147064**

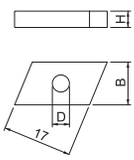
Slide nut for use with CM3015, CM3518 and AM3518 profile rails

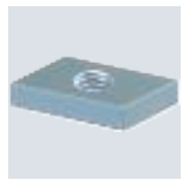
St ZL

Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
CL20SN M4 ZL	17	10.5	4	M4	100	0.525	**1147008**
CL20SN M5 ZL	17	10.5	4	M5	100	0.508	**1147012**
CL20SN M6 ZL	17	10.5	4	M6	100	0.503	**1147016**

Slide nut for use with CL2008 profile rail



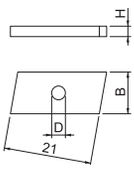


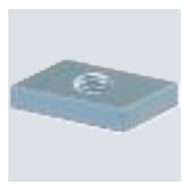
St ZL

Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
CL27SN M4 ZL	21	10	2.5	M4	100	0.400	**1147020**
CL27SN M5 ZL	24.5	13	4	M5	100	0.870	**1147024**
CL27SN M6 ZL	24.5	13	4	M6	100	0.850	**1147028**
CL27SN M8 ZL	24.5	13	4	M8	100	0.800	**1147032**

Slide nut for use with CL2712 profile rail



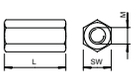


St G

Connection sleeve

Type	Thread	Dim. L mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
CSTR M8 G	M8	24	13	50	1.880	**6410081**
CSTR M10 G	M10	30	17	50	4.150	**6410103**
CSTR M12 G	M12	40	19	25	7.000	**6410111**

Connection sleeve with continuous internal thread.

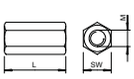


VA 2B

Connection sleeve

Type	Thread	Dim. L mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
CSTR M8 A2	M8	24	13	50	1.880	**6410154**
CSTR M10 A2	M10	30	17	50	4.150	**6410162**

Connection sleeve with continuous internal thread.



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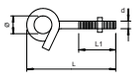
Always indicate the item number when ordering.

Ceiling hook

St G

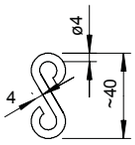


Type	Thread	Dim. d mm	Dim. L mm	Dim. L1 mm	Dimension d Ø mm	Washer Ø mm	Break load kN		Pack Piece	Weight kg/100 pc.	Item no.
948 TG6	M6	6	70	46	13	18	1		25	3.300	**3453820**

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

S hook

St G

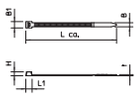


Type	Break load kN		Pack Piece	Weight kg/100 pc.	Item no.
SH 40 G	0.5		100	0.800	**1488252**

Connecting book of support clamps and suspension chains.

Cable tie, white

PA



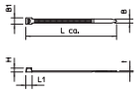
Type	Dim. B mm	Dim. L mm	Dim. t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
565 2.5x75 WS	2.5	75	1	80	15	White	100	0.020	**2331800**
565 2.5x100 WS	2.5	100	1	80	22	White	100	0.025	**2331810**
565 2.5x150 WS	2.5	150	1.3	80	39	White	100	0.047	**2331816**
565 2.5x200 WS	2.5	200	1.3	80	55	White	100	0.062	**2331822**
565 3.6x150 WS	3.6	150	1.4	180	36	White	100	0.070	**2331830**
565 3.6x200 WS	3.6	200	1.4	180	52	White	100	0.104	**2331836**
565 3.6x290 WS	3.6	290	1.4	180	82	White	100	0.140	**2331842**
565 3.6x365 WS	3.6	365	1.4	180	105	White	100	0.183	**2331848**
565 4.8x120 WS	4.8	120	1.5	220	27	White	100	0.089	**2331860**
565 4.8x160 WS	4.8	160	1.6	220	39	White	100	0.120	**2331866**
565 4.8x200 WS	4.8	200	1.6	220	52	White	100	0.149	**2331872**
565 4.8x300 WS	4.8	300	1.5	220	83	White	100	0.201	**2331878**
565 4.8x365 WS	4.8	365	1.5	220	105	White	100	0.251	**2331884**
565 4.8x430 WS	4.8	430	1.5	220	125	White	100	0.288	**2331890**
565 7.6x200 WS	7.6	200	1.8	530	52	White	100	0.287	**2331910**
565 7.6x300 WS	7.6	300	1.6	530	80	White	100	0.334	**2331916**
565 7.6x380 WS	7.6	380	1.8	530	105	White	100	0.533	**2331922**
565 7.6x450 WS	7.6	450	2	530	128	White	100	0.717	**2331934**
565 9x760 WS	9	760	2	800	227	White	100	1.311	**2331944**

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

Cable tie, black, UV and weather-resistant

PA

UV RESISTANT



Type	Dim. B mm	Dim. L mm	Dim. t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
565 2.5x75 SWUV	2.5	75	1	80	15	Black	100	0.020	**2331802**
565 2.5x100 SWUV	2.5	100	1	80	22	Black	100	0.025	**2331812**
565 2.5x150 SWUV	2.5	150	1.3	80	39	Black	100	0.047	**2331818**
565 2.5x200 SWUV	2.5	200	1.3	80	55	Black	100	0.062	**2331824**
565 3.6x150 SWUV	3.6	150	1.4	180	36	Black	100	0.070	**2331832**
565 3.6x200 SWUV	3.6	200	1.4	180	52	Black	100	0.104	**2331838**
565 3.6x290 SWUV	3.6	290	1.4	180	82	Black	100	0.140	**2331844**
565 3.6x365 SWUV	3.6	365	1.4	180	105	Black	100	0.183	**2331850**
565 4.8x120 SWUV	4.8	120	1.5	220	27	Black	100	0.089	**2331862**
565 4.8x160 SWUV	4.8	160	1.6	220	39	Black	100	0.120	**2331868**
565 4.8x200 SWUV	4.8	200	1.6	220	52	Black	100	0.149	**2331874**
565 4.8x300 SWUV	4.8	300	1.5	220	83	Black	100	0.201	**2331880**
565 4.8x365 SWUV	4.8	365	1.5	220	105	Black	100	0.251	**2331886**
565 4.8x430 SWUV	4.8	430	1.5	220	125	Black	100	0.288	**2331892**
565 7.6x200 SWUV	7.6	200	1.8	530	52	Black	100	0.287	**2331912**
565 7.6x300 SWUV	7.6	300	1.6	530	80	Black	100	0.334	**2331918**
565 7.6x380 SWUV	7.6	380	1.8	530	105	Black	100	0.533	**2331924**
565 7.6x450 SWUV	7.6	450	2	530	128	Black	100	0.717	**2331936**
565 9x760 SWUV	9	760	2	800	227	Black	100	1.311	**2331946**

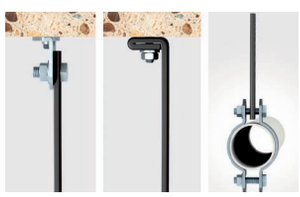
Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

Loads, installation strip

When two loads are combined, the value of the worst case applies. In addition, the table values only apply under the following conditions:

- In perforated strip 5055, loads may only be applied in the round holes.
- If placing a bolt in the last hole, always ensure that there is one full bar left above the hole.
- The right sizes of bolt for the perforated strip must be used (M5 for size I, M6 for size II, M8 for size III).
- The bolts must be tightened. The user of smaller or loose bolts causes a strong drop in the breaking load.

Breaking loads

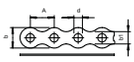


Type	Art.-No.	Load 1	Load 2	Load 3	Load 4
5055	1470 12 4	2150 N	1850 N	1650 N	3700 N
	1470 17 5	3050 N	2000 N	1800 N	4000 N
	1470 26 4	6750 N	6750 N	3300 N	13500 N
5055/L	1471 12 0	1150 N	1400 N	1200 N	2800 N
	1471 17 1	2200 N	1500 N	1300 N	3000 N
	1471 26 0	5350 N	2800 N	2400 N	5600 N
5055/ L PE	1473 22 0	1500 N	1500 N	1300 N	3000 N
	1473 27 1	2300 N	2300 N	1700 N	4600 N
	1473 36 0	4700 N	4250 N	4000 N	8500 N
5062	1475 12 6	1600 N	1600 N	2150 N	3200 N
	1475 17 7	2350 N	2350 N	3050 N	4700 N
	1475 26 6	4700 N	4700 N	3700 N	9400 N
5062/L	1475 62 2	1300 N	1300 N	1300 N	2600 N
	1475 67 3	1650 N	1650 N	1300 N	3300 N
	1475 76 2	3800 N	3800 N	3200 N	7600 N

St FS

Perforated steel strap, ridged

Type	Dim. d mm	Dim. b mm	Dim. A mm	Per roll m	Pack Piece	Weight kg/100 pc.	Item no.
5062 I12 FS	5	12	14	10	1	69.000	**1475126**
5062 II17 FS	7	17	20	10	1	98.500	**1475177**
5062 III26 FS	9	26	25	10	1	183.000	**1475266**
5062 LI12 FS	5	12	14	10	1	57.000	**1475622**
5062 LII17 FS	7	17	20	10	1	73.000	**1475673**
5062 LIII26 FS	9	26	25	10	1	153.000	**1475762**

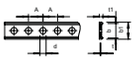


Perforated strap with wavy edges, in practical uncoiling box.

St FSK

Perforated steel strap, plastic-coated

Type	Dimension mm	Dim. d mm	Dim. A mm	Per roll m	Pack Piece	Weight kg/100 pc.	Item no.
5055 L PE I 14	14 x 3	5.2	12	10	1	70.000	**1473220**
5055 L PE II 19	19 x 3	6.5	15	10	1	100.500	**1473271**
5055 L PE III 28	28 x 3,7	8.5	20	10	1	167.500	**1473360**

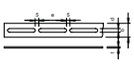


Perforated steel strap with PE plastic jacketing.

St FT

Slotted steel strap in strips

Type	Dimension mm	Hole size mm	Length mm	Pack m	Weight kg/100 m	Item no.
OSS 20x3 3M FT	20 x 3	6,5 x 40	3000	60	35.000	**1465767**
OSS 30x3 3M FT	30 x 3	8,5 x 60	3000	30	53.600	**1465805**
OSS 40x4 3M FT	40 x 4	8,5 x 70	3000	30	101.000	**1465821**

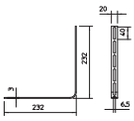


Perforated slotted steel strap in strips.

St FT

Slotted steel strap, bent

Type	Dimension mm	Pack Piece	Weight kg/100 pc.	Item no.
OSG 20X3 FT	20x3	25	15.800	**6017371**

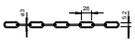


Bent slotted steel strap for creation of bends and tees.

St G

Suspension chain

Type	Break load kN	Pack m	Weight kg/100 m	Item no.
K-C30 G	0.7	25	13.600	**1488201**



To suspend luminaire supports or other components.

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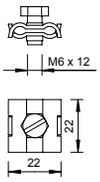
Wire cable clamp

St G

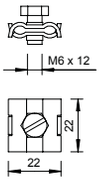


Type	For rope-Ø mm	Bolt	Pack Piece	Weight kg/100 pc.	Item no.
261 3-6 G	3-6	M6x12	100	1.498	**5305012**

Wire cable clamp for fastening steel wire tensioning ropes.

Wire cable clamp

VA 2B



Type	For rope-Ø mm	Bolt	Pack Piece	Weight kg/100 pc.	Item no.
261 3-6 A4	3-6	M6x12	100	1.498	**5305016**

The cable and pipe fastenings of the special system include cable ties, fastening straps and installation strips, with which cable and pipe installations can be fastened to cable support systems such as cable or mesh cable trays or other mounting constructions. A complete tensioning wire system to suspend and catch cable weights is also a component part of the special system.

Directories

Directories

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Test marks

	American Bureau of Shipping, USA
	AENOR, Producto Certificado, Spain
	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland
	Lightning current-tested
	Lightning current-tested, Class H (100 kA)
	CEBEC, Belgium
	Canadian Standards Association, Canada
	DEMKO, Danmarks Elektriske Materielkontrol, Denmark
DIBt	Deutsches Institut für Bautechnik Berlin, Germany
	Det Norske Veritas
	ENEC Austria
	ATEX certificate for explosive areas
	ELEKTROTECHNICKÝ ZKUŠEBNÌ ÚSTAV, Czech Republic
	FIMKO, Finland
	Forschungs- und Materialprüfungsanstalt, Germany
	Russia, GOST The State Committee for Standards
	Test marks for technical resources, VDE Prüf- und Zertifizierungsinstitut Offenbach, Germany
	Halogen-free; without chlorine, fluorine and bromine
	INMETRO, Brazil
	KEMA-KEUR, Netherlands
	Indication of metric products
	MAGYAR ELEKTROTECHNIKAI ELLENŐRZŐ INTÉZET Budapest, Hungary
	NEMKO, Norway
	AFNOR Quality symbol of the French standardisation institute

	Underwriters Laboratories Inc., USA + CSA, Canada
	Österreichischer Verband für Elektrotechnik, Austria
	INSTITUTO ITALIANO DEL MARCHO DI QUALITÁ, Italy
	RINA 1861, Ship Classification, Certification and Services
	Underwriters Laboratories Inc., USA
	SEMKO An Inchcape Testing Services Company, Sweden
	Eidgenössisches Starkstrominspektorat, Switzerland
	South African Bureau of Standards
	Shock-tested, Bundesamt für Zivilschutz, Germany
	Sähkötarkastuskeskus Elinspektionscentralen Electrical Inspectorate, Finland
	Underwriters Laboratories Inc., USA
	Underwriters Laboratories Inc., USA
	Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany
	German Association of Electricians, tested safety
	5-year warranty

Pictogram explanation

Surfaces

FS	Strip galvanised
FSK	Strip galvanised/plastic-coated
DD	Strip galvanised zinc/aluminium, double dip
BK	Bright
2B	Bright, reworked
EL	Anodised
F	Hot-dip galvanised
G	Electrogalvanised
GK	Electrogalvanised/plastic-coated
GCL	Electrogalvanised, yellow-chromated
GGP	Electrogalvanised, yellow passivated
GTP	Electrogalvanised, transparently passivated
GR	Primed
L	Painted
SG	Welding primed
FT	Hot-dip galvanised
FT SO	Hot-dip galvanised 85 µm
Cu	Copper-plated
N	Nickel-plated
ZD	Galvanised, Deltatone 500
ZDM	Galvanised, MAGNI 565
GA	Zinc-aluminium coated, Galfan
ZL	Zinc scale

Conformity symbol

CE	Communautés Européennes, EC declaration of conformity according to EC directives
RoHS conform	RoHS-conformant

Quality marks

	Halogen-free; without chlorine, fluorine and bromine
650°	Flame resistant 650 °C
750°	Flame resistant 750 °C
960°	Flame resistant 960 °C
UV RESISTANT	UV-resistant

Specific product symbols

Ø 60	Diameter 60 mm
Ø 68	Diameter 68 mm
Type 3	Protection device to DIN EN 61643-11 or IEC 61643-11
LPZ 2→3	Transition from LPZ 2 to LPZ 3
AS	Acoustic signalling

Applications

FS	Remote signalling
AS	Acoustic signalling
ISDN	Integrated Service Digital Network, ISDN applications
DSL	Digital Subscriber Line, DSL applications
Analog TK	Analogue telecommunication
Cat 5	Category 5 TwisterPair
Cat 6_A	Channel Performance to American EIA/TIA standard
MSR	Measuring, controlling and regulating systems
TV	TV applications
SAT	SAT-TV applications
Mu	MultiBase base
	LifeControl
EX	Intrinsically safe protection device for potentially explosive areas
Class E_A	Channel Performance to ISO/IEC 11801
PoE	Power over Ethernet
230/ 400 V System	230/400 V system
IP 54	Protection rating IP 54
IP 65	Protection rating IP 65

Lightning protection classes

Type 1	Protection device to DIN EN 61643-11 or IEC 61643-11
Type 1+2	Combination protection device made of type 1 and type 2
Type 2	Protection device to DIN EN 61643-11 or IEC 61643-11

Lightning protection classes

Type 2+3	Protection device to DIN EN 61643-11 or IEC 61643-11
Type 3	Protection device to DIN EN 61643-11 or IEC 61643-11

Lightning protection zone

LPZ 0→1	Transition from LPZ 0 to LPZ 1
LPZ 0→2	Transition from LPZ 0 to LPZ 2
LPZ 0→3	Transition from LPZ 0 to LPZ 3
LPZ 1→2	Transition from LPZ 1 to LPZ 2
LPZ 1→3	Transition from LPZ 1 to LPZ 3
LPZ 2→3	Transition from LPZ 2 to LPZ 3

BSS maintenance of electrical function installation

	Fire-tested systems
	Escape route ceiling mounting with pressure clip
	OBO Grip, wall routing type
	OBO Grip, ceiling routing type
	Pressure clip for maintenance of electrical function, ceiling mounting

BSS anchor

	Fire protection anchor
	Fire protection bolt tie

BSS test marks/material class

E30	Maintenance of electrical function class E30
E90	Maintenance of electrical function class E90

Clamp clip base shapes

N	Clamp clip for C profile rail, slot width 11–12 mm
H	Clamp clip for C profile rail, slot width 16–17 mm
U	Clamp clip for C profile rail, slot width 18–22 mm

Diameter

Ø 60	Diameter 60 mm
Ø 68	Diameter 68 mm
Ø 70	Diameter 70 mm
Ø 74	Diameter 74 mm

Entries

4	4 cable entries
6	6 cable entries
7	7 cable entries
8	8 cable entries
9	9 cable entries
10	10 cable entries
12	12 cable entries
10	10 cable entries ECO
12	12 cable entries ECO
14	14 cable entries ECO
16	16 cable entries
18	18 cable entries ECO
24	24 cable entries

Gland thread

M	Thread metric
Pg	Thread Pg

Entry size

M20	M20 entry
M25	M25 entry
M32	M32 entry
M40	M40 entry

KTS side heights

	Cable tray, side height 35 mm
	Cable tray, side height 60 mm
	Cable tray, side height 85 mm
	Mesh cable tray, side height 35 mm
	Mesh cable tray, side height 55 mm

Materials

	Flat steel
	Angular steel
	U steel
	Round material

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Pictogram explanation

Nominal cross-section

1,5 mm²	Nominal cross-section 1.5 mm²
1,5–2,5 mm²	Nominal cross-section 1.5–2.5 mm²
2,5 mm²	Nominal cross-section 2.5 mm²
2,5–4 mm²	Nominal cross-section 2.5–4 mm²
4 mm²	Nominal cross-section 4 mm²
4-6 mm²	Nominal cross-section 4–6 mm²
6 mm²	Nominal cross-section 6 mm²
10 mm²	Nominal cross-section 10 mm²
16 mm²	Nominal cross-section 16 mm²

Nominal voltage

400 V	Nominal voltage 400 V
500 V	Nominal voltage 500 V
660 V	Nominal voltage 660 V

Polarity

3	3-pole
5	5-pole
7	7-pole
8	8-pole
10	10-pole
12	12-pole

Slot widths

7,5	Slot width 7.5 mm
11	Slot width 11 mm
11-12	Slot width 11–12 mm
12	Slot width 12 mm
15	Slot width 15 mm
16	Slot width 16 mm
16,5	Slot width 16.5 mm
16-17	Slot width 16–17 mm
17	Slot width 17 mm
18	Slot width 18 mm
22	Slot width 22 mm
35	Slot width 35 mm

Screw heads

	Philips screw
	Torx screw
	Phillips screw
	Pozidriv

Firing devices

	Bolt-firing tool
	Nail device

Protection rating

IP 20	Protection rating IP 20
IP 30	Protection rating IP 30
IP 31	Protection rating IP 31
IP 44	Protection rating IP 44
IP 54	Protection rating IP 54
IP 55	Protection rating IP 55
IP 65	Protection rating IP 65
IP 66	Protection rating IP 66
IP 67	Protection rating IP 67
IP 68	Protection rating IP 68

Metals

Alu	Aluminium
Alu/St	Aluminium/steel
A2	Stainless steel, rustproof
A4	Stainless steel, rustproof
A5	Stainless steel, rustproof
Cu	Copper
CuZn 37	Brass
St	Steel
TG	Malleable iron
Zn	Die-cast zinc

Plastics

ABS/ASA	Acrylonitrile butadiene styrene
UF	Duroplast, Aminoplast, type 131.5
MF	Duroplast, melamine resin, type 150
EVA	Ethylene vinyl acetate

Plastics

FA	Fibre-proof material DIN 28091
GFK	Fibreglass-reinforced plastic
NBR SBR	Rubber mixture
NBR	Nitrile rubber
PETR	Petrolatum
PA	Polyamide
PA/ GF	Polyamide, fibre-glass reinforced
PBPT	Polybutylene terephthalate
PC	Polycarbonate
PE	Polyethylene
PP	Polypropylene
PP/GF	Polypropylene, fibre-glass reinforced
PS	Polystyrene
PVC	Polyvinylchloride
ZELL PE	Cellular polyethylene

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OBO Bettermann OÜ
Läike tee 20
75312 Rae vald
Estonia
Tel.: +372 6519870
E.mail: obo@obo.ee
Web: www.obo.ee

OBO Bettermann SIA
Piedrujas iela 7c
LV-1073 Riga
Latvia
Tel.: +371 67802050
E.mail: obo@obo.lv
Web: www.obo.lv

OBO Bettermann UAB
Jankiškių g. 52
02300 Vilnius
Lithuania
Tel.: +370 52375912
E.mail: obo@obo.lt
Web: www.obo.lt

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