

VBS



**Connection and
fastening systems
Middle East**

Building Connections

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Planning and mounting aids

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VBS – Connection and fastening systems

VBS is one of a total of seven OBO product units, but of those it is one of the longest-standing and most extensive. Indeed, OBO Bettermann takes part of its

name from one of the most successful ever products from the VBS product unit – the OBO anchor, a metal anchor invented in 1952 that offers the advantage

that it can be fitted “Ohne BOhren”, that is, without the need for any drilling.



mit M 4 Gewinde
in Verbindung mit Muttern
für Installationen jeglicher Art

FR. BETTERMANN
Elektrotechnische Fabrik
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VBS – Connection and fastening systems

Distribution

- Junction box systems
- Concealed and cavity wall systems
- Terminal systems
- Cable gland systems



Fastening

- Beam clamp systems
- Rail systems
- Clamp clip systems
- Screw-in and knock-in systems





Routing

- Cable and pipe fastening systems
- Pipe systems



Plastic: materials and properties



Essentially plastics can be of one of three types: thermoplastics, elastomers and Duroplast.

Thermoplastics

are plastics that can be shaped within a specific temperature range. This process is reversible, in other words, thermoplastics can theoretically be cooled and then melted down again any number of times. Another unique advantage of thermoplastics is that they can be welded.

Elastomers

have a fixed shape, but can be elastically deformed. They can elastically deform under tensile and compressive stresses, but afterwards will return to their original shape. Elastomers are used for producing seals and membrane entries.

Duroplast

or thermosetting polymers/plastics, are plastics that can no longer be deformed following curing. Duroplast produce hard, glass-like (brittle) polymeric materials with a high thermo-mechanical strength.

Temperature ranges of plastics

	Material	Max. temperature resistance Permanent	Max. temperature resistance Short-time	Min. temperature resistance Static
ABS ASA	Acrylonitrile butadiene styrene	70°C	85°C	-40°C
UF	Duroplast, Amino-plast, type 131.5	65°C	90°C	-40°C
MF	Duroplast, melamine resin, type 150	80°C	110°C	-40°C
EVA	Ethylene vinyl acetate	55°C	70°C	-50°C
NBR SBR	Rubber mixture	100°C	110°C	-40°C
NBR	Nitrile rubber	100°C	110°C	-30°C
PA	Polyamide	120°C	150°C	-40°C
PA GF	Polyamide, fibreglass reinforced	120°C	160°C	-20°C
PBPT	Polybutylene terephthalate	120°C	140°C	-40°C
PC	Polycarbonate	110°C	125°C	-35°C
PE	Polyethylene	70°C	90°C	-40°C
PP	Polypropylene (PP)	90°C	110°C	-30°C
PS	Polystyrene	70°C	80°C	-10°C
PVC	Polyvinylchloride	65°C	80°C	-30°C

Plastic: materials and properties

Risk of stress cracks

Medium	ABS/ASA	UF	MF	EVA	NBR SBR	NBR	PA	PA/GF	PBPT	PC	PE	PP	PS	PVC
Risk of stress cracks	✗	✓	✓	✓	✓	✓	✓	○	○	✓	!	✓	✗	○

Danger of tension cracks: Virtually negligible Low High Very high

Chemical resistance

Medium	ABS/ASA	UF	MF	EVA	NBR SBR	NBR	PA	PA/GF	PBPT	PC	PE	PP	PS	PVC
Petroleum	✓	✓	✓	○	✓	○	✓	✓	✓		○	○	○	✓
Fat	✓	✓	✓	✓	✓	○	✓	✓	✓				○	✓
Benzole	!	✓	✓	○	✓	!	✓	✓	○	!	!	○	!	!
Solvents	!						✓	✓	○				!	!
Formic acid	✓	!									!	○		!
Citric acid	✓	!		○							!			
Lactic acid	✓	!		○							!	○	!	!
Hydrochloric acid	○	!									✓			!
Sulphanic acid	○	!									✓			!
Acetone	!	✓					✓	✓	○	!	!	○	!	!
Petrol	!	✓	✓	○	○	!	✓	✓	✓	✓	!	○	!	✓
Butyric acid	!	!		○							!	○		!
Chlorine	!						!	!	!	!	!	!	!	
Acetic acid	!	!		○							!		!	
Nitric acid	!	!									✓		!	
Ester		✓	✓	○	!	!								
Alcohol		✓	✓	○			✓						✓	
Mild alkalis		✓	✓	✓	✓	✓	○	○	!		✓	✓		✓
Mild acids		○	○	✓	✓	✓	!	!	✓	✓	✓			✓
Ether		✓	✓	○									!	
Water		✓	✓	✓	✓	✓								
Strong acids		!	!	○					!	!	!			!
Strong alkalis		!	!	✓					!		✓	✓		✓
Hydrofluoric acid				○							✓			
Paraffin hydrocarbon				○								○		
Haloalkanes				!										
Ketones				!	!								!	
Aldehyde				✓										
Organic acids				○							!	○		
Water Seawater					✓	✓								
Diesel fuel							✓	✓	✓		○	○	!	
Ammoniac									○				!	

Resistance: Resistant Limited resistance Not resistant



Plastic: material properties



Halogen freedom

Estimates suggest that around 95% of fire victims die not due to the immediate effects of the fire, but of poisoning from the smoke. In addition, the corrosive fire gases created during fires cause immense damage to property and can permanently damage the structure of a building. Therefore, halogen-free installation systems

should or must always be used in public areas (emergency routes, lifts, etc.). The chemical composition of these halogen-free systems is designed in such a way that, in the case of fire, they produce less hazardous (toxic/corrosive) gases, which could combine with extinguishing agents to form hydrochloric acid. In the sense of the standard DIN VDE 0472, this means that materi-

als are considered halogen-free when "the proportions of the halogens chlorine, bromine and iodine are $\leq 0.2\%$ for chlorine and $\leq 0.1\%$ for fluorine". OBO Bettermann offers a wide range of halogen-free products that reduce the risk of harm to people and property to a minimum in case of fire.



UV resistance

Outdoor installations should always be viewed particularly critically with regard to the mounting locations and the selection of the installation materials. UV radiation is damaging to many plastics, causing them to turn yellow and/or brittle or lose their elasticity. However, plastics can be protected against UV damage through the addition of UV stabilizers. Products made from UV-resistant materials are specially marked. In general, besides UV radiation, installations outdoors must also take other environmental influ-

ences into account. Factors such as maximum temperatures, regularity of (extreme) temperature changes, humidity and the location of use/mounting (housing, industry, town, region, continent) all have an important role to play here.



Flame resistance/fire resistance

Materials are described as “flame-resistant” if they prevent the spread of fire or are sufficiently fire-resistant. According to DIN EN 60695-2-11 (VDE 0471 Part 2-11), electrical connection materials must be subjected to a glow wire test, in order to evaluate the fire risk of the end product. When the glow wire test is being carried out, a glowing wire (for temperature see table below) is inserted into the component to be tested for a period of 30 seconds and then removed. After 30 seconds at the latest, the object, if it has caught light, must have extinguished again, in order to specify the flame resistances.



Types of installation systems

Types of samples Test temperatures in °C	Surface-mounted	Con-cealed	Flush-mounted	Cavity wall/ furniture	Concrete structure	Installation duct
Connection sockets	650	650	750	850	650	750
Accessory sockets and device connection sockets	750	650	-	850	650	750
Ceiling lights, connection sockets	750	650	-	850	650	750
Wall light connection sockets	750	650	-	850	650	750
Device connection sockets	750	650	-	850	650	750
Connection sleeves	750	-	-	-	-	750
Insulation sections, which support active parts	960	-	-	-	-	-
Cover for installation sockets	750	-	-	-	-	-
Cover for installation sockets	750	-	-	-	-	-



Metal: corrosion and corrosion protection

A large number of VBS products are made from metal. Metals are much tougher than many other materials, and metal components are less sensitive to mechanical loading.

Corrosion

(from the Latin *corrodere*, “to eat or gnaw to pieces”)

in a technical context is a reaction between a material (generally a metal) and its surroundings leading to a measurable change in the material and potentially impairing the functionality of a component or system.

Corrosion protection

Corrosion protection means all steps taken to prevent corrosion damage to metallic components. It is impossible to prevent corrosion permanently, so corrosion protection measures generally aim to reduce the speed of corrosion so that the component is not damaged by corrosion for the duration of its service life. The term “passive corrosion protection” refers to all measures designed to shield products from corrosive media. Coatings are one way of achieving passive corrosion protection. At OBO, most steel products are protected from corrosion by a layer of zinc. Zinc coatings can be applied to components using a variety of methods.

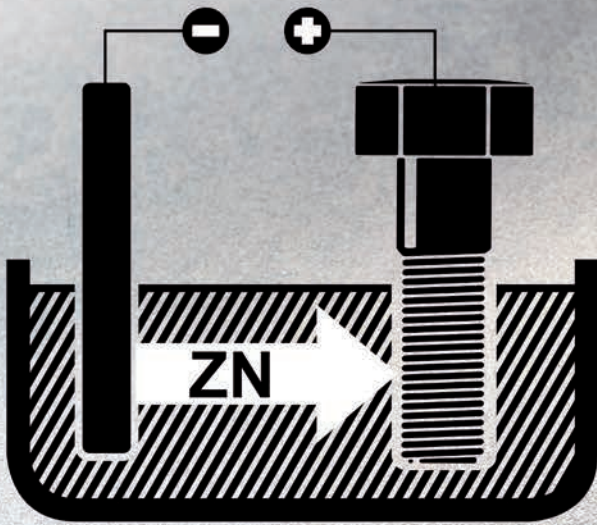
Zinc slat surface

Zinc slat coverings are coatings applied in a non-electrolytic manner. The cathodic protection means that the zinc slat coverings offer very good corrosion protection. This excludes the risk of a break induced by hydrogen, which is caused through the surface coating process.

The main advantage of this coating is the very high level of corrosion protection, which corresponds to the corrosion protection of a hot galvanised coating. This coating achieves a resistance of 480 hrs in the salt spray test for the connection elements. The low layer thickness of the zinc slat covering allows a thin, homogeneous coating, which is particularly important for maintaining the accuracy of threads.

Galvanisation types

Electrogalvanisation

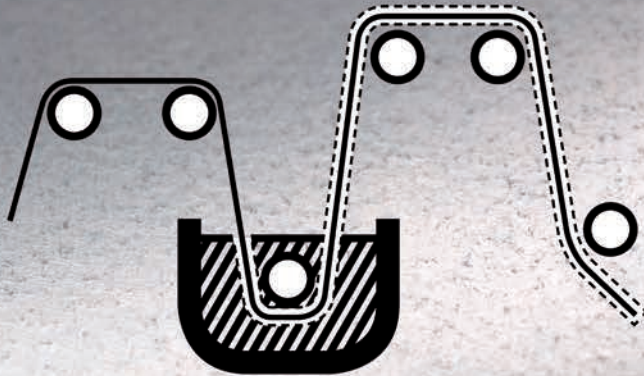


G

In electrogalvanisation, the component is coated by dipping it not in molten zinc, but in a zinc electrolyte, through which a direct electric current is passed.

Hot-dip galvanising

In hot-dip galvanisation, steel is coated by dipping it in molten zinc at a temperature of around 450 °C.



FS

“Continuous galvanising” or “strip galvanising” is where a continuous ribbon of steel is galvanised in a continuous line.

FT






“Batch galvanisation” is mainly used for galvanising prefabricated steel parts.

Installation locations

Whether indoors or outdoors, in aggressive atmospheres or under special hygienic conditions: OBO can offer the perfect surface and materials for your installation, no

matter what the requirements may be. OBO products are machined from high-quality sheet steel or steel wire and are available with various surfaces. Different hard-

ening and coating methods ensure tailor-made corrosion protection, specially tailored to the appropriate application:

Application	Material	Surface protection
Indoors 	St Steel	L Painted/ powder-coated
	St Steel	FS Strip-galvanised (ca. 20 µm) DIN EN 10346
	St Steel	G Electrogalvanised (ca. 2,5 - 10 µm) DIN EN 12329
Outdoors 	St Steel	FT Hot galvanised (ca. 40 - 60 µm) DIN EN ISO 1461
	VA Stainless steel A2	
	VA Stainless steel A4	
Especially corrosive areas 	VA Stainless steel A2	
	VA Stainless steel A4	

Contact corrosion

Contact corrosion between two different metals poses a considerable risk to the load capacity and lifespan of the components used.

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

Additional contact corrosion criteria:

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



Land climate



Component (large)	Component (small)					
	FT	VA	Alu	Cu	CuZn 37	Zn
Steel, galvanised St FS FT G DD	✓	✓	✓	!	○	✓
Stainless steel VA V2A V4A V5A	✓	✓	○	○	○	✓
Aluminium Alu	✓	✓	✓	!	○	✓
Copper Cu	○	○	○	✓	○	!
Brass CuZn 37	✓	!	○	○	✓	!
Die-cast zinc Zn	○	○	✓	✗	○	✓

Industrial atmosphere



Component (large)	Component (small)					
	FT	VA	Alu	Cu	CuZn 37	Zn
Steel, galvanised St FS FT G DD	✓	✓	○	✗	!	✓
Stainless steel VA V2A V4A V5A	✓	✓	○	○	○	✓
Aluminium Alu	○	○	✓	!	!	✓
Copper Cu	!	!	✗	✓	○	!
Brass CuZn 37	○	○	✗	○	✓	○
Die-cast zinc Zn	✓	✓	✓	✗	!	✓

Sea climate



Component (large)	Component (small)					
	FT	VA	Alu	Cu	CuZn 37	Zn
Steel, galvanised St FS FT G DD	✓	○	✗	✗	!	○
Stainless steel VA V2A V4A V5A	○	✓	✗	○	○	✓
Aluminium Alu	✗	○	✓	!	!	✓
Copper Cu	!	!	✗	✓	○	!
Brass CuZn 37	○	○	✗	○	✓	○
Die-cast zinc Zn	✓	✓	✓	✗	!	✓

✓ No risk of contact corrosion
 ✗ High risk of contact corrosion
 ○ Low risk of contact corrosion
! Risk in case of small area ratio (area of non-precious metal/area of precious metal)



Maintenance of electrical function

Safety in case of fire

To ensure that emergency and escape routes and important technical equipment such as emergency lighting, fire alarm systems and smoke exhaust systems remain usable in case of fire, it is absolutely essential to provide special protection for the power supply for these systems. The use of special cables and laying systems means that it is possible to maintain the power supply, even in the case of fire, thus guaranteeing the maintenance of electrical function.

You can find detailed information on the subject of fire protection in the OBO BSS fire protection catalogue.



The maintenance of electrical function is particularly important in buildings regularly frequented by large numbers of people. These include public buildings such as schools, hospitals, meeting places, civic buildings and underground stations, but also industrial plants, high-rise buildings, shopping centres and large car parks.

Fire loads of installation systems

According to rules governing wiring systems in the individual German federal states, no fire loads may be installed in emergency and escape routes. OBO's fire-tested steel fastenings fulfil these requirements.



Junction boxes which have the capability to maintain electrical function ensure the fireproof connection of the safety cables. The boxes in the FireBox series are tested and approved to maintain electrical function for 30 to 90 minutes in accordance with DIN 4102-12.



E30

30 minutes: Maintaining electrical function for an evacuation.

The first 30 minutes after the start of a fire are decisive when clearing the affected building.

During this time, the maintenance of electrical function must be guaranteed for the following units:

- Safety lighting systems
- Lifts with fire control
- Fire alarm systems
- Alarm systems and systems to issue instructions to visitors and employees
- Smoke extraction systems

E90

90 minutes: Maintaining electrical function for better firefighting.

To support firefighting operations, it is imperative that certain technical equipment is supplied with sufficient power even up to 90 minutes after a fire breaks out in a building. This equipment includes:

- Systems to increase the pressure of the water for fighting the fire
- Mechanical smoke extraction and smoke protection pressure systems
- Fire brigade lifts, bed lifts in hospitals



Individual routing systems

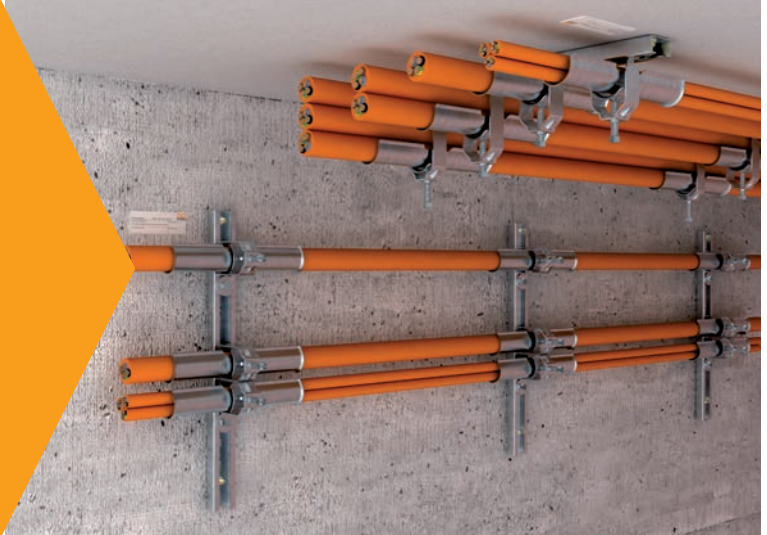
With the individual laying systems, OBO Bettermann can offer a range of practical, flexible mounting options to maintain function of electrical installations. The systems are suited to vertical and horizontal in-

stallation and are approved for the fire protection classes E30 to E90. Standardised supporting constructions as defined in the testing standard, DIN 4102 Part 12, include: The laying of cables with individual

clips and the laying of cables with profile rail, clamp clip and a long trough.

Clamp clip

Standard support construction consisting of clamp clip without long trough for individual laying or bundling cables.



Standard routing type, clamp clip Type 2056

- Wall or ceiling mounting
- Horizontal installation
- Rail mounting: max. 0.3 m
- Anchor spacing in the rail: max. 0.25 m
- Individual cable assignment: diameters of up to 100 mm possible
- Assignment with bunched cables: Max. 3 cables with max. diameter 25 mm

Cable tidy

Cable-specific laying type with cable ties for individual laying, horizontal/vertical mounting on wall or ceiling.



Type 2031/M 15

- Fastening distance: max. 0.5 m
- Cable assignment: max. 1.1 kg/m

Type 2031/M 30

- Fastening distance: max. 0.5 m
- Cable assignment: max. 2.5 kg/m

Type 2031/M 70

- Fastening distance: max. 0.8 m
- Cable assignment: max. 6.0 kg/m

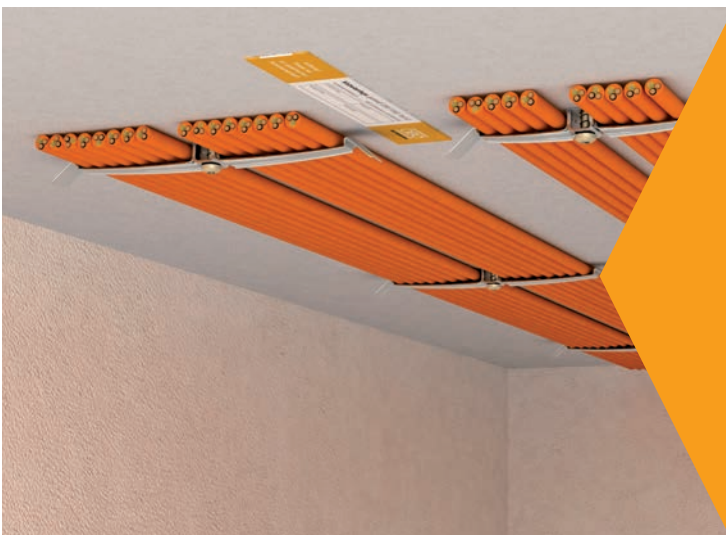


Spacer clips

Standard support construction consisting of spacer clips for individual laying or bundling cables.

Standard routing type, single clip Type 732/733

- Wall or ceiling mounting
- Vertical or horizontal mounting
- Mounting spacing: max. 0.3 m
- Individual cable assignment: diameters of up to 50 mm possible
- Assignment with bunched cables: Max. three cables with max. diameter 25 mm



Pressure clip

Cable-specific laying type with pressure clips for individual laying, mounting on the ceiling.

Type 2033 M

- Fastening distance: max. 0.5 m

Type 2034 M

- Fastening distance: max. 0.5 m



Protection ratings

IP protection rating

The IP protection rating specifies how far a component is protected against contact and foreign bodies and the ingress of water. The IP protection ratings are controlled by the standard DIN EN 60529 (VDE 0470 Part 1). The IP is always made up of two digits.

The first digit

designates the contact and foreign body protection. On the one hand, it specifies how far a housing prevents access to dangerous parts, by preventing or limiting the ingress of body parts or objects held by a person. On the other hand, it specifies how far the housing protects the installed resources against the ingress of solid foreign bodies.



Protection rating

First code digit	...against access to the dangerous parts	...against solid foreign bodies
0	Protected against access to dangerous parts with the back of the hand	Not protected
1	Protected against access to dangerous parts with a finger	Protected against solid foreign bodies of 50 mm diameter and larger
2	Protected against access to dangerous parts with a tool	Protected against solid foreign bodies of 12.5 mm diameter and larger
3	Protected against access to dangerous parts with a wire	Protected against solid foreign bodies of 2.5 mm diameter and larger
4	Protected against access to dangerous parts with a wire	Protected against solid foreign bodies of 1.0 mm diameter and larger
5	Protected against access to dangerous parts with a wire	Dust-protected
6	Protected against access to dangerous parts with a wire	Dust-proof

The second digit

specifies the protection against water. It specifies how far the resource is protected against incoming water and the resulting damage.



Protection rating against the entry of water with a damaging impact

Second code digit	Short description	Definition
0	Not protected	-
1	Protected against water droplets	Droplets falling vertically may have no damaging impact.
2	Protected against water droplets when the housing is tilted to up to 15°	Droplets falling vertically may not have a damaging impact, if the housing is tilted to angle of 15° on either side of the vertical.
3	Protected against spray water	Water being sprayed at an angle of 60° on both sides of the vertical may not have any damaging impact.
4	Protected against spray water	Water spraying the housing from any direction may not have any damaging impact.
5	Protected against water jets	Jets of water pointing at the housing from any direction may not have any damaging impact.
6	Protected against strong water jets	Strong jets of water pointing at the housing from any direction may not have any damaging impact.
7	Protected against the effects of being temporarily immersed in water	If the housing is sometimes underwater under standard pressure and time conditions, then water may not enter in such volumes as would have a damaging impact.
8	Protected against the effects of being continuously immersed in water	If the housing is continuously underwater, then water may not enter in such volumes as would have a damaging impact and this shall be subject to conditions to be agreed between the manufacturer and the user. However, the conditions are more difficult to fulfil than for number 7.



IK code

The IK code to DIN EN 50102 indicates the protection rating of housings against external mechanical loads. It is made up of the code letters IK and a two-digit number from 00 to 10. Each group of num-

bers standards for a load energy value in Joules (J). The IK code always applies to the complete housing, which guarantees the protection of resources against the damaging effects of mechanical

loads. The housings are tested by knocking them with different testing hammers.

IK code	00	01	02	03	04	05	06	07	08	09	10
Stress energy value [J]	-	0.15	0.20	0.35	0.50	0.70	1	2	5	10	20



Protection classes of electrical resources in accordance with VDE 0140

Protection class	
I	Resources with protective conduction connection (protection measure through protective conductor connection on housing)
II	Resources with protective insulation (protection measure through insulation)
III	Resource with protective low voltage (SELV-PELV, protection through measured voltages max. 25/50 V AC and max. 60/120 V DC)



Empty plastic housings correspond to protection class II, housings made of metal/metal plating must be intended for the connection of a protection conductor and thus meet protection class I.

Electrical designations

When using junction boxes, connection sockets and connection terminals, the resources are assigned nominal values, as defined in VDE 0100 Part 200. In the desi-

gnation, a distinction is made between the maximum approved voltage (nominal voltage), the maximum approved current (nominal current) and the maximum appro-

ved cross-section (nominal cross-section of the cables to be connected).

2,5
mm²

Nominal cross-section

Largest tested-approved cross-section of the cable to be connected.

16
A

Nominal current

Largest approved current at the connection point.

660
V

Nominal voltage

Greatest approved voltage at the connection point.

12

No. of poles

Number of connection points of the clamp connector.

7

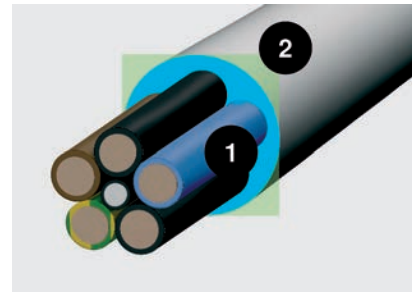
Number of entries

Number of entries in an electrical connection box or connection socket.

Cable sizes



The term "cable" means a jacketed electrical cable for the transmission of electrical energy and data. Cables are given according to their nominal cross-section. The external diameter and usable cross-section depend on their nominal cross-section and the number of individual wires contained in the cable. Fastening clips are given with their maximum span distance as a nominal size in mm. To determine the correct fastening clip for the component to be fastened, you can find the interplay between the PG sizes and the metric data in the table.



Cable diameter in mm (1)
and space required in cm² (2)

Calculation with the formula $(2r)^2$

The diameter says little about the actual space required by a cable. Calculate: $(2r)^2$

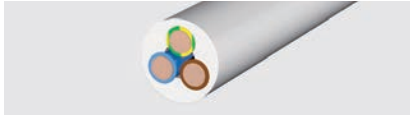
This value reflects the realistic space requirements, including the compartments.

$$(2r)^2$$

Overview of PG and metric sizes

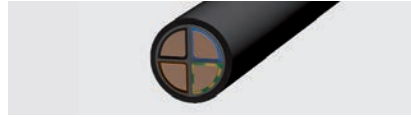
External diameter in mm	PG sizes	External diameter in mm	Metric sizes
12	PG 7	12.5	M 12
13	PG 7	12.5	M 12
15	PG 9	15.2	M 16
16	-	-	M 16
18	PG 11	18.6	M 16/M 20
19	PG 11	18.6	M 16/M 20
20	PG 13.5	20.4	M 20
21	PG 13.5	20.4	M 20/M 25
22	PG 16	22.5	M 20/M 25
23	PG 16	22.5	M 20/M 25
24	-	-	M 20/M 25
25	-	-	M 25
28	PG 21	28.3	M 25/M 32
32	-	-	M 32
37	PG 29	37	M 32/ M 40
40	-	-	M 40
47	PG 36	47	M 40/M 50
50	-	-	M 50
54	PG 42	54	M 50/M 63
59	PG 48	59.3	M 50/M 63
63	-	-	M 63

How can I work out the volume of cables?



Insulated power cables

Type	Diameter mm	Usable cross-section cm ²
1 x 4	6.5	0.42
1 x 6	7	0.49
1 x 10	8	0.64
1 x 16	9.5	0.9
1 x 25	12.5	1.56
3 x 1.5	8.5	0.72
3 x 2.5	9.5	0.9
3 x 4	11	1.21
4 x 1.5	9	0.81
4 x 2.5	10.5	1.1
4 x 4	12.5	1.56
4 x 6	13.5	1.82
4 x 10	16.5	2.72
4 x 16	19	3.61
4 x 25	23.5	5.52
4 x 35	26	6.76
5 x 1.5	9.5	0.9
5 x 2.5	11	1.21
5 x 4	13.5	1.82
5 x 6	14.5	2.1
5 x 10	18	3.24
5 x 16	21.5	4.62
5 x 25	26	6.76
7 x 1.5	10.5	1.1
7 x 2.5	13	1.69



Insulated power cables

Type	Diameter mm	Usable cross-section cm ²
1 x 10	10.5	1.1
1 x 16	11.5	1.32
1 x 25	12.5	1.56
1 x 35	13.5	1.82
1 x 50	15.5	2.4
1 x 70	16.5	2.72
1 x 95	18.5	3.42
1 x 120	20.5	4.2
1 x 150	22.5	5.06
1 x 185	25	6.25
1 x 240	28	7.84
1 x 300	30	9
3 x 1.5	11.5	1.32
3 x 2.5	12.5	1.56
3 x 10	17.5	3.06
3 x 16	19.5	3.8
3 x 50	26	6.76
3 x 70	30	9
3 x 120	36	12.96
4 x 1.5	12.5	1.56
4 x 2.5	13.5	1.82
4 x 6	16.5	2.72
4 x 10	18.5	3.42
4 x 16	21.5	4.62
4 x 25	25.5	6.5
4 x 35	28	7.84
4 x 50	30	9
4 x 70	34	11.56
4 x 95	39	15.21
4 x 120	42	17.64
4 x 150	47	22
4 x 185	52	27
4 x 240	58	33.6
5 x 1.5	13.5	1.82
5 x 2.5	14.5	2.1
5 x 6	18.5	3.42
5 x 10	20.5	4.2
5 x 16	22.5	5.06
5 x 25	27.5	7.56
5 x 35	34	11.56
5 x 50	40	16



Telecommunications cables

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



IT cables type Cat...

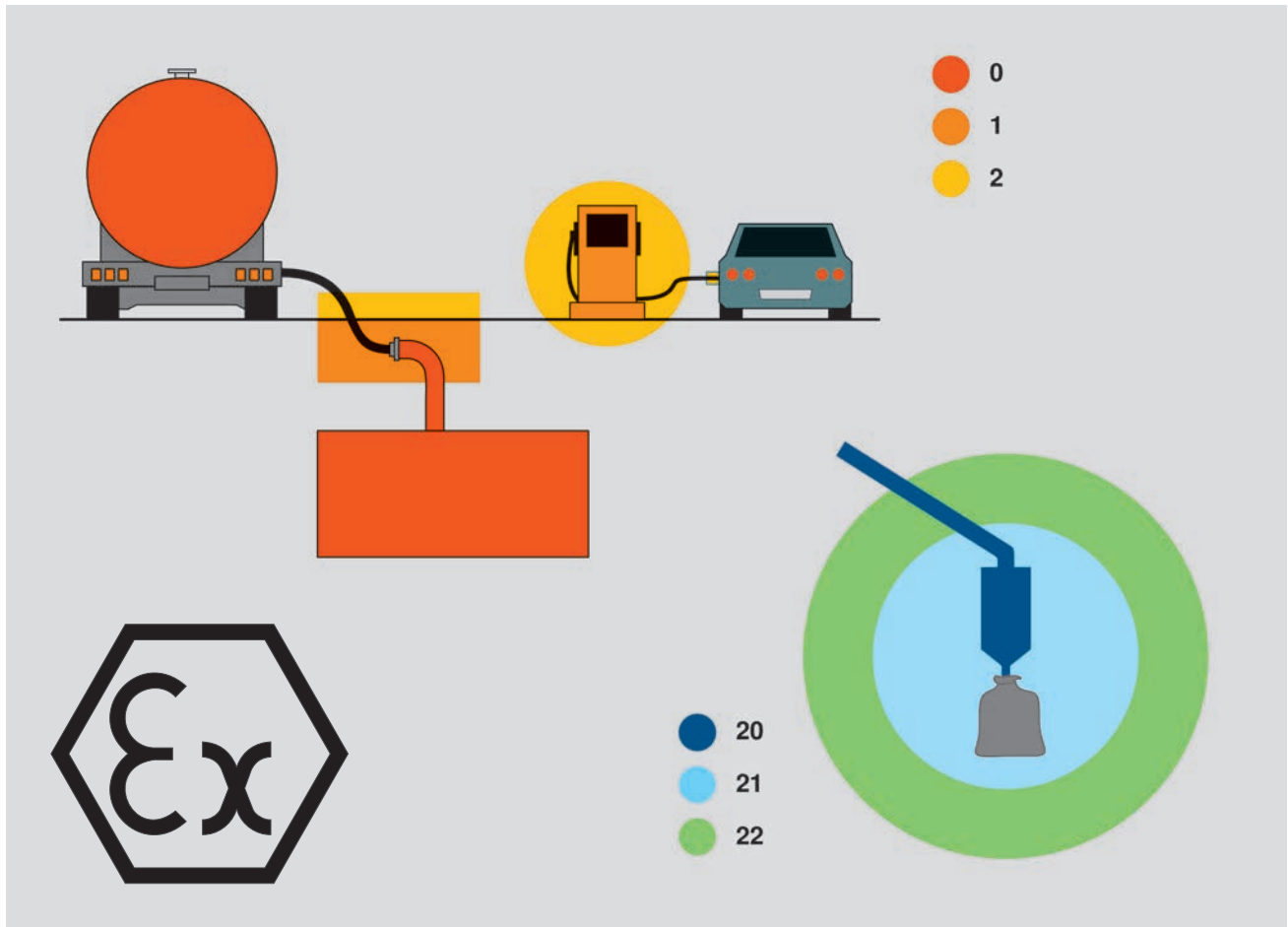
Type	Diameter mm	Usable cross-section cm ²
Cat. 5	8	0.64
Cat. 6	8	0.64



Coax cable (Standard)

Type	Diameter mm	Usable cross-section cm ²
SAT/BK cable	6.8	0.48

Zone division for explosive areas



The ATEX workplace directive 1999/92/EC (also known unofficially as “ATEX 137”, a reference to Article 137 of the EC Treaty), sets out the minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres. The directive divides areas with dangerous, potentially explosive atmosphere into zones:

Zone allocation of device group II (applied)

Gas	Dust
Explosive gas atmosphere, zone division to DIN EN 60079-10	Explosive dust-air mixtures, zone division to DIN EN 61214-10
Zone 0	Zone 20
An area in which it can be expected that, under normal conditions, an explosive atmosphere of gas occurs continuously or for long periods of time.	An area in which it can be expected that, under normal conditions, an explosive atmosphere of dust/air occurs continuously or for long periods of time.
Zone 1	Zone 21
An area in which it can be expected that, under normal conditions, an explosive atmosphere of gas occasionally occurs.	An area in which it can be expected that, under normal conditions, an explosive atmosphere of dust/air occasionally occurs.
Zone 2	Zone 22
Area, in which it can be expected that, under normal conditions, an explosive atmosphere of gas seldom or only briefly occurs.	Area, in which it can be expected that, under normal conditions, an explosive atmosphere of dust/air seldom or only briefly occurs.

Certificates and test marks



VDE

VDE is the Association for Electrical, Electronic and Information Technologies, their study and the technologies and applications based upon them. The VDE mark on electrical equipment is proof that the equipment complies with VDE regulations and/or European or international harmonised standards, and meets the safety requirements of the applicable directives. The VDE mark indicates that a product is safe in relation to electrical, mechanical, thermal, toxic, radiological and other hazards.



CE symbol

Technical resources included in a legal ordinance, i.e. electrical resources, machines and safety components, must have a CE symbol, with which the manufacturer confirms that the safety requirements of the ordinances are fulfilled. In addition, there must also be a declaration of conformity and technical documentation. The CE symbol is not a quality mark, but simply a declaration by the manufacturer that they have complied with the legal requirements and the codes of practice.






















UL

Underwriters Laboratories (UL) is an independent organisation that tests and certifies product safety. UL certification is generally required if a product is to be sold on the US market.

UL offers various certification options: the “UL Listed” test mark indicates that UL has tested representative samples of a product and that it conforms to UL’s safety requirements. The “UL Recognized” component test mark entitles a product to be used in a product or system bearing the “UL Listed” test mark.

Test marks



	AENOR, Producto Certificado, Spain
	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland
	CEBEC, Belgium
	DEMKO, Danmarks Elektriske Materielkontrol, Denmark
	Det Norske Veritas
	ENEC Austria
	ATEX certificate for explosive areas
	ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, Czech Republic
	FIMKO, Finland
	Russia, GOST The State Committee for Standards
	KEMA-KEUR, Netherlands
	Indication of metric products
	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 QUALITÀ, Italy
	Underwriters Laboratories Inc., USA
	SEMKO An Inchcape Testing Services Company, Sweden
	Eidgenössisches Starkstrominspektorat, Switzerland
	Underwriters Laboratories Inc., USA
	Underwriters Laboratories Inc., USA
	Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany

Pictogram explanation






Surfaces

FS	Strip-galvanised
st	Strip-galvanised/plastic-coated
BK	Bright
F	Hot-dip galvanised
G	Electro-galvanised
EI	Electrogalvanised/plastic-coated
GGP	Electrogalvanised, yellow passivated
GTP	Electrogalvanised, transparently passivated
L	Painted
FT	Hot-dip galvanised
Cu	Copper-plated
N	Nickel-plated
ZD	Galvanised, Deltatone 500
ZDM	Galvanised, MAGNI 565
DD	Strip galvanised zinc/aluminium, Double Dip
GA	Zinc-aluminium coated, Galfan
FT SO	Hot-dip galvanised 85 µm






Conformity symbol

	Communautés Européennes, EC declaration of conformity according to EC directives
	RoHS-conformant





Quality marks

	Halogen-free; without chlorine, fluorine and bromine
	Flame resistant 650 °C
	Flame resistant 750 °C
	Flame resistant 960 °C
	UV-RESISTANT




Nominal cross-section

	Nominal cross-section 1.5 mm ²
	Nominal cross-section 1.5–2.5 mm ²
	Nominal cross-section 2.5 mm ²
	Nominal cross-section 2.5–4 mm ²
	Nominal cross-section 4 mm ²











Nominal cross-section

	Nominal cross-section 4–6 mm ²
	Nominal cross-section 6 mm ²
	Nominal cross-section 10 mm ²
	Nominal cross-section 16 mm ²














Nominal voltage

	Nominal voltage 400 V
	Nominal voltage 500 V
	Nominal voltage 660 V

Protection rating







	Protection rating IP 20
	Protection rating IP 30
	Protection rating IP 31
	Protection rating IP 54
	Protection rating IP 54
	Protection rating IP 55
	Protection rating IP 65
	Protection rating IP 66
	Protection rating IP 67
	Protection rating IP 68

Entries




	4 cable entries
	6 cable entries
	7 cable entries
	8 cable entries
	9 cable entries
	10 cable entries
	12 cable entries
	10 cable entries ECO
	12 cable entries ECO
	14 cable entries ECO
	16 cable entries
	18 cable entries ECO
	24 cable entries

Pictogram explanation







Polarity

	3-pole
	5-pole
	7-pole
	8-pole
	10-pole
	12-pole




Clamp clip base shapes

	Cable clip for C-profile rail with slot width 11–12 mm
	Cable clip for C profile rail with slot width 16–17 mm
	Clamp clip for C profile rail with slot width 18–22 mm



Slot widths

	Slot width 7.5 mm
	Slot width 11 mm
	Slot width 11–12 mm
	Slot width 12 mm
	Slot width 15 mm
	Slot width 16 mm
	Slot width 16.5 mm
	Slot width 16–17 mm
	Slot width 17 mm
	Slot width 18 mm
	Slot width 22 mm
	Slot width 35 mm





Diameter

	Diameter 60 mm
	Diameter 68 mm
	Diameter 70 mm
	Diameter 74 mm


Gland thread

	Thread metric
	Thread Pg





Screw heads

	Philips screw
	Torx screw
	Phillips screw
	Pozidrive



Entry size

	M20 entry
	M25 entry
	M32 entry
	M40 entry



Materials

	Flat steel
	Angular steel
	U steel
	Round material




Firing devices

	Bolt-firing tool
	Nail device





BSS test marks/material class

	Function maintenance class E30
	Function maintenance class E90

KTS side heights



	Cable tray, side height 35 mm
	Cable tray, side height 60 mm
	Cable tray, side height 85 mm
	Mesh cable tray, slant height 35 mm
	Mesh cable tray, slant height 55 mm

BSS function maintenance installation













	Escape route ceiling mounting with pressure clip
	OBO Grip, wall routing type
	OBO Grip, ceiling routing type
	Pressure clip, function maintenance, ceiling mounting

Pictogram explanation

















BSS anchor

	Fire protection anchor
	Fire protection bolt tie

Metals

	Aluminium
	Stainless steel, grade 304
	Stainless steel, 1.4307
	Stainless steel, grade 301
	Stainless steel, grade 316
	Stainless steel, grade 316 L
	Stainless steel, grade 354/1
	Stainless steel, grade 316 Ti
	Brass
	Steel
	Cast iron
	Die-cast zinc

Plastics

	Acrylonitrile butadiene styrene
	Duroplast, Aminoplast, type 131.5
	Duroplast, melamine resin Type 150
	Ethylene vinyl acetate
	Fibre-proof material DIN 28091
	Rubber mixture
	Nitrile rubber
	Polyamide
	Polyamide, fibreglass reinforced
	Polybutylene terephthalate
	Polycarbonate
	Polyethylene
	Polypropylene, Glass-fibre reinforced
	Polystyrene
	Polyvinylchloride
	Cellular polyethylene

Metallic materials

Alu — Aluminium

Alu/St — Aluminium/Steel

VA (1.4113) — Stainless steel, grade 434

VA (1.4301) — Stainless steel, grade 304

VA (1.4303) — Stainless steel, grade 305

VA (1.4310) — Stainless steel, grade 301

VA (1.4401) — Stainless steel, grade 316

VA (1.4404) — Stainless steel, grade 316 L

VA (1.4435) — Stainless steel, grade 316 L

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

VA (1.4571) — Stainless steel, grade 316 Ti

V2A — Stainless steel, A2

V4A — Stainless steel, A4

V5A — Stainless steel, A5

St — Steel

Zn — Die-cast zinc

Plastic materials

ABS/ASA — Acrylonitrile butadiene styrene

Temperature resistance: permanently up to 70 °C, briefly up to 85 °C and to about minus 40 °C.

Resistant to

Formic acid, citric acid, lactic acid.

Conditionally resistant to

Hydrochloric acid, sulphuric acid.

Unstable with

Acetone, petrol, benzene, solvents for paints and butyric acid, chlorine, acetic acid, nitric acid.

Risk of tension cracking

Relatively high, similar to polystyrene.

UF — Duroplast, Aminoplast, type 131.5

for boxes, glands and clips

Temperature resistance:

permanently up to 65 °C, briefly up to 90 °C and to about minus 40 °C.

Resistant to

Alcohol, ester, ether, benzene, petrol, mineral oils, greases, weak alkalis, water.

Conditionally resistant to

Weak acids.

Unstable with

Strong acids, strong alkalis.

Risk of tension cracking

Low risk of stress cracks.

MF — Duroplast, melamine resin Type 150

For terminal blocks

Temperature resistance:

permanently up to 80 °C, briefly up to 110 °C and to about minus 40 °C.

Resistant to

Alcohol, ester, ether, benzene, petrol, mineral oils, greases, weak alkalis, water.

Conditionally resistant to

Weak acids.

Unstable with

Strong acids, strong alkalis.

Risk of tension cracking

Low risk of stress cracks.

EVA — Ethylene vinyl acetate

FA — Fibre-proof material DIN 28091

To DIN 28091, asbestos-free

Temperature resistance:

up to 300 °C.

NBR/SBR — Rubber mixture

NBR — Nitrile rubber

Temperature resistance:

permanently up to 120 °C, briefly up to 150 °C, and to about minus 30 °C.

Resistant to

Oils and petrol.

PA — Polyamide

Temperature resistance:

permanently up to approx. 90 °C, briefly up to about 130 °C and to about minus 40 °C*.

Chem. resistance generally as for polyethylene.

Resistant to

Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.

Unstable with

Bleach, most acids, chlorine.

Risk of tension cracking

Low in air-humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PA/GF — Polyamide, fibreglass reinforced

Temperature resistance:

permanently up to 100–110 °C, briefly up to 160 °C and to about minus 40 °C*.

Resistant to

Petrol, benzene, diesel oil, acetone, solvents for paints and lacquers, oils and greases.

Slightly susceptible to stress-cracking.

Unstable with

Bleach, most acids, chlorine.

Risk of tension cracking

Low in air-humid conditions; only with some aqueous salt solutions. Highly desiccated parts (high temperature and extremely low air humidity) are highly sensitive to fuels and various solvents.

PBPT — Polybutylene terephthalate

Thermoplastic polyester

Temperature resistance:

permanently up to 120 °C, briefly up to 140 °C and to approx. minus 40 °C.

Resistant to

Petrol, diesel oil, most weak acids, oils and greases.

Conditionally resistant to

Acetone, ammonia, benzene.

Unstable with

Strong acids, chlorine, fluorine, bromine vapour, bleach, trichloroethylene, methylene chloride.

Risk of tension cracking

Low.

PC — Polycarbonate

Temperature resistance:

permanently up to approx. 110 °C (in water 60 °C), briefly up to 125 °C, and to below minus 35 °C.

Resistant to

Petrol, turpentine, most weak acids.

Unstable with

Acetone, benzene, chlorine, methylene chloride, most concentrated acids.

Risk of tension cracking

Relatively low.

Media which can cause tension cracking include benzene, aromatic hydrocarbons, methanol, butanol, acetone, turpentine.

PE — Polyethylene

Temperature resistance:

hard types permanently up to about 90 °C, briefly up to about 105 °C, soft types permanently up to about 80 °C, briefly up to about 100 °C and to about minus 40 °C*.

Resistant to

Alkalis and inorganic acids.

Conditionally resistant to

Acetone, organic acids, petrol, benzene, diesel oil, most oils.

Unstable with

Chlorine, hydrocarbons, oxidising acids.

Risk of tension cracking

Relatively high.

Stress cracks can be caused by, among other things, acetone, various alcohols, formic acid, ethanol, petrol, benzene, butyric acid, acetic acid, formaldehyde, various oils, petroleum, propanol, nitric acid, hydrochloric acid, sulphuric acid, soap solutions, turpentine, trichloroethylene, citric acid.

PP — Polypropylene, Glass-fibre reinforced

Temperature resistance:

permanently up to approx. 90 °C, briefly up to approx. 110 °C and to approx. minus 30 °C*.

Chem. resistance generally as for polyethylene.

Resistant to

Alkalis and inorganic acids.

Conditionally resistant to

Acetone, organic acids, petrol, benzene, diesel oil, most oils.

Unstable with

Chlorine, hydrocarbons, oxidising acids.

Risk of tension cracking

Low, only with some acids such as chromic acid, hydrofluoric acid and hydrochloric acid, as well as nitrogen oxide.

Plastic materials

PS — Polystyrene

Temperature resistance:

Because of its relatively high sensitivity to the effects of chemicals, its use is not recommended at temperatures above normal room temperature, about 25 °C.

Resistance to cold: to about minus 40 °C*.

Resistant to

Alkalis, most acids, alcohol.

Conditionally resistant to

Oils and greases.

Unstable with

Butyric acid, concentrated nitric acid, concentrated acetic acid, acetone, ether, petrol and benzene, solvents for paints and lacquers, chlorine, diesel fuel.

Risk of tension cracking

Relatively high.

Stress cracks can be caused by, amongst other things, acetone, ether, petrol, cyclohexane, heptane, methanol, propanol and the softeners used in some PVC cable mixes.

PVC — Polyvinylchloride

Temperature resistance:

permanently up to 65 °C, briefly up to 75 °C and to about minus 30 °C.

Resistant to

Weak acids, alkalis, oils and greases, petrol.

Unstable with

Strong acids, benzene, acetone, iodine, toluene, trichloroethylene.

Risk of tension cracking

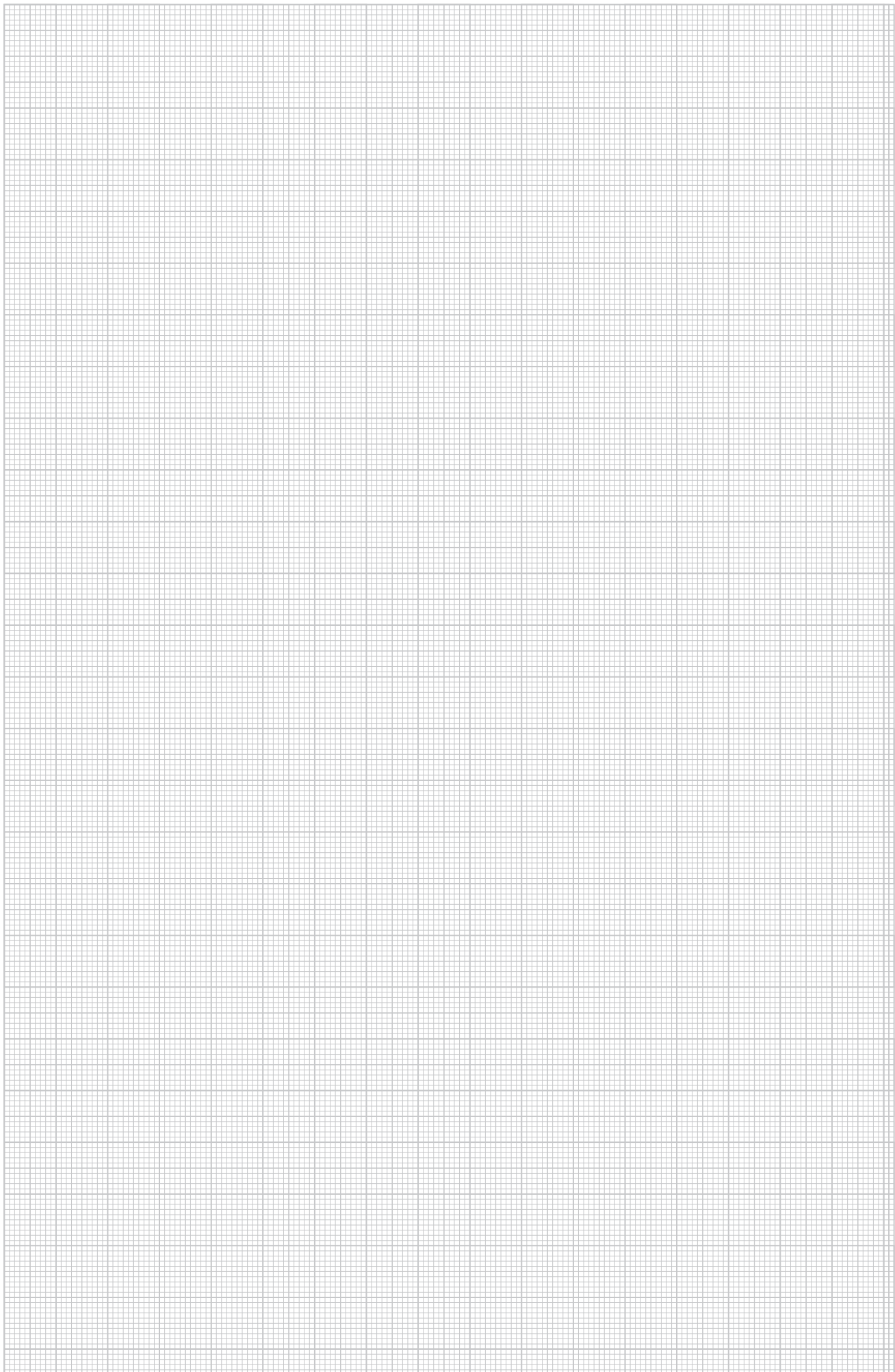
Low, only with some solvents such as benzene and acetone.

ZPE — Cellular polyethylene

*The minus values apply only for parts in the quiescent condition with no severe impact stress.

There is no plastic that is resistant to every chemical. The agents listed are only a small selection. Plastic parts are especially at risk in the presence of chemicals and high temperatures. Stress cracks may occur. If in doubt, please consult us and/or ask for a detailed chemical resistance table.







Stress crack formation: stress cracks may occur if plastic parts under tension are exposed to chemicals at the same time. Parts made of polystyrene and polyethylene are particularly susceptible. Stress cracks may even be caused by agents to which the plastic in question is resistant in the absence of stress. Typical examples of parts under constant stress when used as intended: grip clips, intermediate supports of cable glands, ribbon clips.







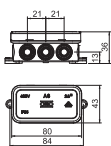
Junction box systems

	A series	38
	T series	41
	X series	64
	Mx series	82
	B series	83
	FireBox	85



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Junction box A 6



Type	A 6
Colour	Light grey
Dimension LxWxH mm	80x43x36
Clear internal dimensions mm	69x32x30
Pack. pcs	10
Weight kg/100 pcs.	2.560
Item No.	2000001

PE Polyethylene

Protection rating IP55, nominal 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.

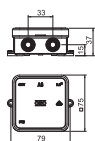
Clamshell.

Dimensions: 80 x 43 x 36 mm

Clear internal dimensions: 69x32x30 mm

1 cut-out tool for every 10 boxes

Junction box A 8 with terminal strip



Type	A 8 5	A 8
Accessories	1 terminal strip	without terminal strip
Colour	Light grey	Light grey
Dimension LxWxH mm	75x75x36,2	75x75x36,2
Clear internal dimensions mm	65x65x32	65x65x32
Pack. pcs	10	10
Weight kg/100 pcs.	6.500	3.813
Item No.	2000024	2000016

PE Polyethylene

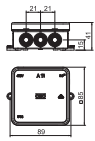
Protection rating IP55, nominal voltage 400 V, nominal cross-section 2,5 mm², 7 entries for cable diameter 5–14 mm.
Clamshell.

Dimensions: 75 x 75 x 36,2 mm

Clear internal dimensions: 65x65x32 mm

1 cut-out tool for every 10 boxes

Junction box A 11 with terminal strip



Type	A 11 5	A 11
Accessories	1 terminal strip	without terminal strip
Colour	Light grey	Light grey
Dimension LxWxH mm	85x85x40	85x85x40
Clear internal dimensions mm	75x75x35	75x75x35
Pack. pcs	10	10
Weight kg/100 pcs.	7.640	6.200
Item No.	2000326	2000342

PE Polyethylene

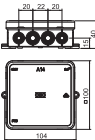
Protection rating IP55, nominal voltage 400 V, nominal cross-section 2,5 mm², 12 entries for cable diameter 5–14 mm. Clamshell.

Dimensions: 85 x 85 x 40 mm

Clear internal dimensions: 75x75x35 mm

1 cut-out tool for every 10 boxes

Junction box A 14 with terminal strip



Type	A 14 5	A 14
Accessories	1 terminal strip	without terminal strip
Colour	Light grey	Light grey
Dimension LxWxH mm	100x100x40	100x100x40
Clear internal dimensions mm	90x90x35	90x90x35
Pack. pcs	10	10
Weight kg/100 pcs.	5.855	5.855
Item No.	2000382	2000378

PE Polyethylene

Protection rating IP55, nominal voltage 400 V, nominal cross-section 2,5 mm², 8 entries for cable diameter 5–14 mm. Clamshell.

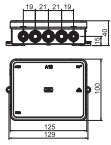
Dimensions: 100 x 100 x 40 mm

Clear internal dimensions: 90x90x35 mm

1 cut-out tool for every 10 boxes



Junction box A 18 with terminal strip



Type	A 18 5	A 18
Accessories	1 terminal strip	without terminal strip
Colour	Light grey	Light grey
Dimension LxWxH mm	125x100x40	125x100x40
Clear internal dimensions mm	115x90x35	115x90x35
Pack. pcs	10	10
Weight kg/100 pcs.	6.957	6.957
Item No.	2000414	2000410

PE Polyethylene

Protection rating IP55, nominal 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: 115x90x35 mm
 1 cut-out tool for every 10 boxes

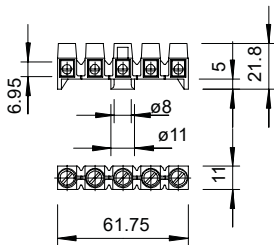
Terminal strip 2.5 mm²



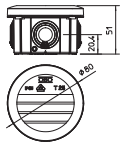
Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
689	Light grey	5	0.8 - 2.5	660	50	1.502	2017342

PA Polyamide

Terminal strip, nickel-plated brass, steel screws, galvanised and transparently passivated, nominal cross-section 0,8 - 2,5 mm², nominal voltage 660 V, 5-pole, with terminal sockets, max. connectable cross-sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm², unnecessary poles can be cut off and used as individual terminals.



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. pcs	5
Weight kg/100 pcs.	4.190
Item No.	2007029

PP Polypropylene

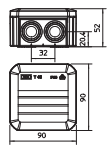
The junction boxes are made of a thermoplastic polypropylene polymer with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables either directly through the 4 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. In addition, cable glands can be inserted through the openings instead of the seals and locked with a locknut from inside.

The cable junction boxes can be screwed onto an M6 thread or mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: Ø63x45 mm.

Cover with labelling panel.

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. pcs	5
Weight kg/100 pcs.	6.700
Item No.	2007045

PP Polypropylene

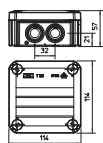
All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm



Junction box T 60, plug-in seal



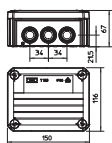
Type	T 60	T 60 RW
Entries	7 x M25	7 x M25
Colour	Light grey	Pure white
Dimension LxWxH mm	114x114x57	114x114x57
Clear internal dimensions mm	100x100x48	100x100x48
Pack. pcs	5	5
Weight kg/100 pcs.	12.300	12.300
Item No.	2007061	2007525

PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insert-opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5. Clear internal dimensions: 100x100x48 mm. Cover with labelling panel and lead-sealed.

Junction box T 100, plug-in seal



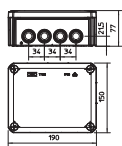
Type	T 100	T 100 RW	T 100 M25-M32
Colour	Light grey	Pure white	Light grey
Entries	10 x M25	10 x M25	8 x M25 2 x M32
Dimension LxWxH mm	150x116x67	150x116x67	150x116x67
Clear internal dimensions mm	136x102x57	136x102x57	136x102x57
Pack. pcs	1	1	1
Weight kg/100 pcs.	16.270	16.270	16.300
Item No.	2007077	2007533	2007081

PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 10 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insert-opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5. Clear internal dimensions: 136x102x57 mm. Cover with labelling panel and lead-sealed.

Junction box T 160, plug-in seal



Type	T 160	T 160 M32
Colour	Light grey	Light grey
Entries	7 x M25 5 x M32	10 x M32
Dimension LxWxH mm	190x150x77	190x150x77
Clear internal dimensions mm	176x135x67	176x135x67
Pack. pcs	1	1
Weight kg/100 pcs.	30.000	30.000
Item No.	2007093	2007097

PP/GF Polypropylene, Glass-fibre reinforced

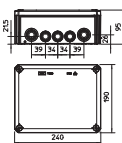
The junction boxes are made of a thermoplastic polypropylene polymer with plug-in seals made of ethylene vinyl acetate (EVA). This allows installation of cables either directly through the 7x M25 + 5x M32 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, cable glands can be pushed through the openings instead of the seals and locked with a locknut from the inside.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 176x135x67 mm

Cover with labelling panel and lead-sealed.

Junction box T 250, plug-in seal



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

PP/GF Polypropylene, Glass-fibre reinforced

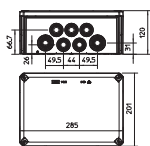
All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 9x M25 + 7x M32 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 225x173x86 mm

Cover with labelling panel and lead-sealed.

Junction box T 350, plug-in seal



Type

T 350

Colour

Light grey

Entries

16 x M32

8 x M40

Dimension LxWxH mm

285x201x120

Clear internal dimensions mm

267x182x110

Pack. pcs

1

Weight kg/100 pcs.

63.000

Item No.

2007125

PP/GF Polypropylene, Glass-fibre reinforced

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 16x M32 + 8x M40 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 267x182x110 mm

Cover with labelling panel and lead-sealed.

Junction box T 40, plug-in seal, flame-resistant



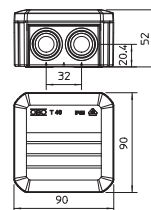
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 F	Light grey	7 x M25	90x90x52	77x77x46	5	6.700	2007320

PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm



Junction box T 60, plug-in seal, flame-resistant



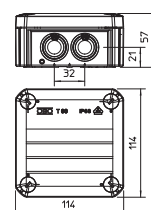
Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 F	7 x M25	Light grey	114x114x57	100x100x48	5	12.300	2007339

PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 100x100x48 mm
Cover with labelling panel and lead-sealed.



Junction box T 100, plug-in seal, flame-resistant



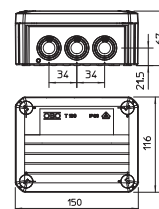
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 F	Light grey	10 x M25	150x116x67	136x102x57	1	16.270	2007347

PP Polypropylene

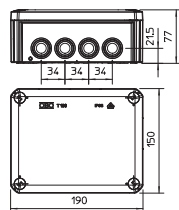
All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 10 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 136x102x57 mm
Cover with labelling panel and lead-sealed.



Junction box T 160, plug-in seal, flame-resistant



Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 F	Light grey	7 x M25 5 x M32	190x150x77	176x135x67	1	30.000	2007355

PP/GF Polypropylene, Glass-fibre reinforced

The junction boxes are made of a thermoplastic polypropylene polymer with plug-in seals made of ethylene vinyl acetate (EVA). This allows installation of cables either directly through the 7x M25 + 5x M32 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, cable glands can be pushed through the openings instead of the seals and locked with a locknut from the inside.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 176x135x67 mm

Cover with labelling panel and lead-sealed.

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



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

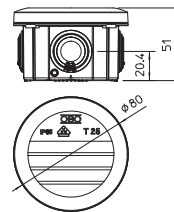
PP Polypropylene

The junction boxes are made of a thermoplastic polypropylene polymer with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables either directly through the 4 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. In addition, cable glands can be inserted through the openings instead of the seals and locked with a locknut from inside.

The cable junction boxes can be screwed onto an M6 thread or mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: Ø63x45 mm.

Cover with labelling panel.



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



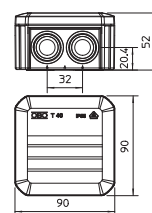
Type	Colour	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 KL	Light grey	7 x M25	90x90x52	77x77x46	5	8.900	2007432

PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm



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



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

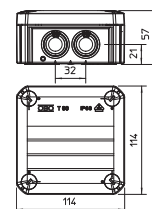
PP Polypropylene

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 7 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

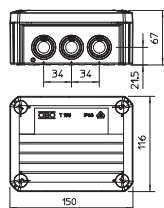
The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 100x100x48 mm

Cover with labelling panel and lead-sealed.



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



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

PP Polypropylene

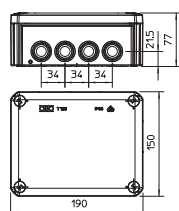
All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 10 x M25 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 136x102x57 mm

Cover with labelling panel and lead-sealed.

Junction box T 160, plug-in seal



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

PP/GF Polypropylene, Glass-fibre reinforced

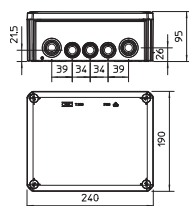
The junction boxes are made of a thermoplastic polypropylene polymer with plug-in seals made of ethylene vinyl acetate (EVA). This allows installation of cables either directly through the 7x M25 + 5x M32 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, cable glands can be pushed through the openings instead of the seals and locked with a locknut from the inside.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 176x135x67 mm

Cover with labelling panel and lead-sealed.

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



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

PP/GF Polypropylene, Glass-fibre reinforced

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 9x M25 + 7x M32 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 225x173x86 mm

Cover with labelling panel and lead-sealed.

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



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

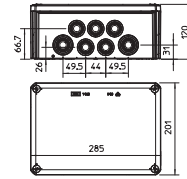
PP/GF Polypropylene, Glass-fibre reinforced

All the T series junction boxes are UV-resistant. They are made of a thermoplastic polypropylene plastic with plug-in seals made of ethylene vinyl acetate (EVA). This plastic is soft, which means that it is malleable. This allows installation of cables through the 16x M32 + 8x M40 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

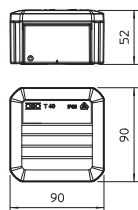
The junction boxes can be mounted on mounting plates in the openings on the floor using steel bolts 3.5 x 9.5.

Clear internal dimensions: 267x182x110 mm

Cover with labelling panel and lead-sealed.



Junction box T 40, closed



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

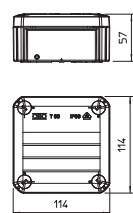
PP Polypropylene

All the T series junction boxes are UV-resistant. They are made from polypropylene (a thermoplastic material) and have closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion.

The junction boxes can be mounted on mounting plates in the openings on the floor using self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm

Junction box T 60, closed



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

PP Polypropylene

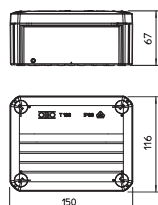
The junction boxes are made of a thermoplastic polypropylene polymer with closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 100x100x46 mm

Cover with labelling panel and lead-sealed.

Junction box T 100, closed



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

PP Polypropylene

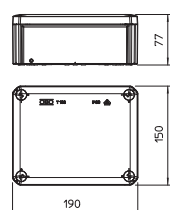
The junction boxes are made of a thermoplastic polypropylene polymer with closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 136x102x57 mm

Cover with labelling panel and lead-sealed.

Junction box T 160, closed



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

PP/GF Polypropylene, Glass-fibre reinforced

The junction boxes are made of a thermoplastic polypropylene polymer with closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion.

The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 176x135x67 mm

Cover with labelling panel and lead-sealed.

Junction box T 250, closed

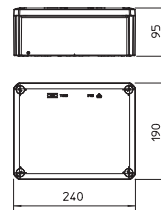


Type	Colour	Dimension	Clear internal	Pack. Weight		Item No.
		LxWxH mm	dimensions mm	pcs	kg/100 pcs.	
T 250 OE	Light grey	240x190x95	225x173x86	1	48.300	2007287

PP/GF Polypropylene, Glass-fibre reinforced

The junction boxes are made of a thermoplastic polypropylene polymer with closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion. The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 225x173x86 mm
Cover with labelling panel and lead-sealed.



Junction box T 350, closed

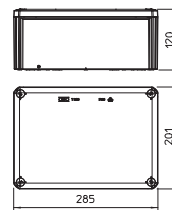


Type	Colour	Dimension	Clear internal	Pack. Weight		Item No.
		LxWxH mm	dimensions mm	pcs	kg/100 pcs.	
T 350 OE	Light grey	285x201x120	267x182x110	1	58.800	2007303

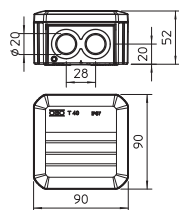
PP/GF Polypropylene, Glass-fibre reinforced

The junction boxes are made of a thermoplastic polypropylene polymer with closed side walls. This means that the required openings can be made wherever they are required. EDK plug-in seals or cable glands with locknuts can be inserted in these openings, to allow cable insertion. The junction boxes can be mounted on mounting plates in the openings on the floor using steel screws 3.5 x 9.5.

Clear internal dimensions: 267x182x110 mm
Cover with labelling panel and lead-sealed.



Junction box T40 with pre-marking, closed



Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 M20	7x020	Light grey	90x90x52	77x77x46	5	6.100	2007900

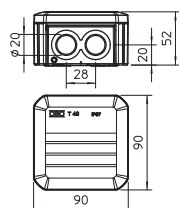
PP Polypropylene

The junction boxes are made from polypropylene (a thermoplastic material) and the plug-in seals are made from ethylene vinyl acetate (EVA). This allows installation of cables either directly through the 7x020 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted in openings in the base onto mounting plates with self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm

Junction box T40 with pre-marking, with terminal strip



Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 40 M20 KL	7x020	Light grey	90x90x52	77x77x46	5	8.200	2007904

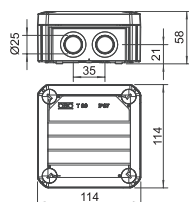
PP Polypropylene

The junction boxes are made from polypropylene (a thermoplastic material) and the plug-in seals are made from ethylene vinyl acetate (EVA). This allows installation of cables either directly through the 7x020 seals, or the seals can be cut with a knife at the pre-marked points, in order to create an insertion opening for cables or pipes. Alternatively, instead of seals, cable glands can be inserted through the openings and be countered internally with a locknut.

The junction boxes can be mounted in openings in the base onto mounting plates with self-tapping screws 3.5 x 9.5.

Clear internal dimensions: 77x77x46 mm

Junction box T60 with pre-marking, closed



Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 M20	7x020	Light grey	114x114x57	100x100x48	5	12.100	2007910

PP Polypropylene

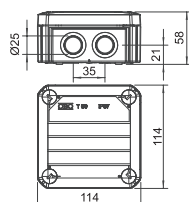
The junction boxes are made of polypropylene. Cables can be inserted through the seven break-out openings with the diameter 25 mm.

After knocking-out the break-out openings, we recommend using cable glands, in order to run the cables into the housing and to maintain the protection rating.

The junction boxes can be mounted on mounting plates using self-tapping screws 3.5x9.5 mm.

The box lid contains a labelling panel and can also be lead-sealed.

Junction box T60 with pre-marking, with terminal strip



Type	Entries	Colour	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 M20 KL	7x020	Light grey	114x114x57	100x100x48	5	16.500	2007914

PP Polypropylene

The junction boxes are made of polypropylene. Cables can be inserted through the seven break-out openings with the diameter 25 mm.

After knocking-out the break-out openings, we recommend using cable glands, in order to run the cables into the housing and to maintain the protection rating.

The junction boxes can be mounted on mounting plates using self-tapping screws 3.5x9.5 mm.

The box lid contains a labelling panel and can also be lead-sealed.

Junction box T60, plug-in seal, elevated cover

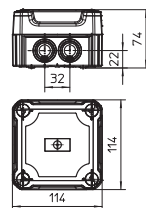


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 HD LGR	7xM25	114x114x74	100x100x65	1	17.180	2007710

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T100, plug-in seal, elevated cover

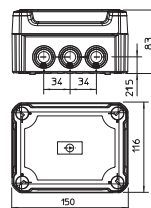


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 HD LGR	10xM25	150x116x83	136x102x74	1	22.550	2007712

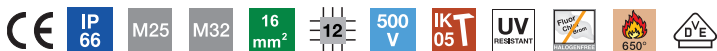
PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T160, plug-in seal, elevated cover

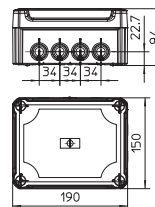


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 HD LGR	7xM25 5xM32	190x150x94	176x135x84	1	34.180	2007714

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T250, plug-in seal, elevated cover

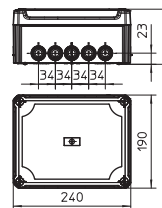


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 250 HD LGR	9xM25 7xM32	240x190x112	225x173x103	1	52.010	2007716

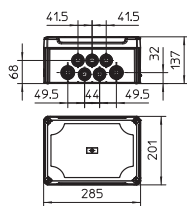
PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T350, plug-in seal, elevated cover



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

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5 °C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.

Junction box T60, closed, elevated cover

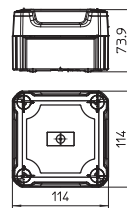


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs	Item No.
T 60 OE HD LGR	None	114x114x74	100x100x63	1	16.600	2007730

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T100, closed, elevated cover

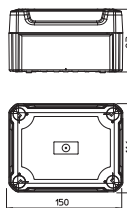


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs	Item No.
T 100 OE HD LGR	None	150x116x83	136x102x74	1	23.650	2007732

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T160, closed, elevated cover

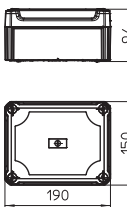


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs	Item No.
T 160 OE HD LGR	None	190x150x94	176x135x84	1	33.920	2007734

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T250, closed, elevated cover

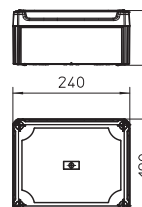


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs	Item No.
T 250 OE HD LGR	None	240x190x112	225x173x102	1	100.000	2007736

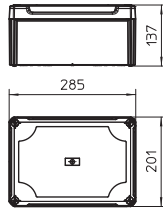
PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T350, closed, elevated cover



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

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5 °C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.

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

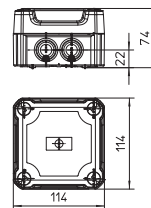


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 60 HD TR	7xM25	114x114x74	100x100x65	1	17.180	2007750

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



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

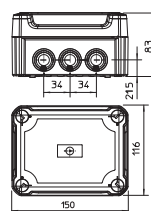


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 HD TR	10xM25	150x116x83	136x102x74	1	22.550	2007752

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



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

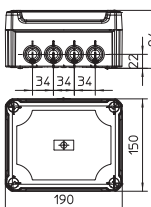


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 HD TR	7xM25 5xM32	190x150x94	176x135x84	1	34.180	2007754

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



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

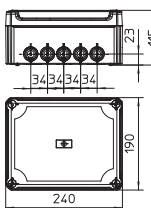


Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 250 HD TR	9xM25 7xM32	240x190x112	225x173x103	1	52.010	2007756

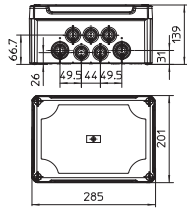
PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



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



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

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5 °C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.

Junction box T60, closed, transparent elevated cover

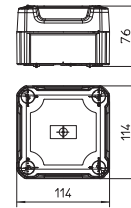


Type	Entries	Dimension	Clear internal	Pack.	Weight	Item No.
		LxWxH mm	dimensions mm			
T 60 OE HD TR	None	114x114x74	100x100x63	1	16.600	2007770

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T100, closed, transparent elevated cover

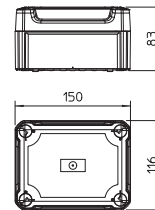


Type	Entries	Dimension	Clear internal	Pack.	Weight	Item No.
		LxWxH mm	dimensions mm			
T 100 OE HD TR	None	150x116x83	136x102x74	1	23.650	2007772

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T160, closed, transparent elevated cover

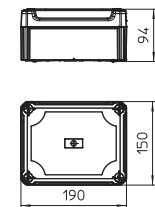


Type	Entries	Dimension	Clear internal	Pack.	Weight	Item No.
		LxWxH mm	dimensions mm			
T 160 OE HD TR	None	190x150x94	176x135x84	1	33.920	2007774

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T250, closed, transparent elevated cover

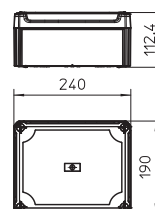


Type	Entries	Dimension	Clear internal	Pack.	Weight	Item No.
		LxWxH mm	dimensions mm			
T 250 OE HD TR	None	240x190x112	225x173x102	1	100.000	2007776

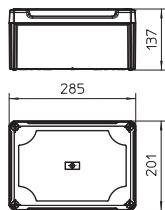
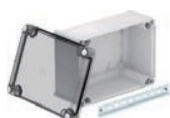
PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5°C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.



Junction box T350, closed, transparent elevated cover



Type	Entries	Dimension LxWxH mm	Clear internal dimensions mm	Pack. pcs	Weight kg/100 pcs.	Item No.
T 350 OE HD TR	None	285x201x137	267x182x127	1	68.660	2007778

PP/PC Polypropylene / polycarbonate

The junction boxes consist of thermoplastic material. The bottom parts are made from impact-resistant polypropylene, the box cover is made from extremely hard-wearing, impact-resistant polycarbonate. The high IK 10 impact resistance at -5 °C shows this also.

Thanks to the elevated cover, OBO creates significantly more wiring space, therefore offering the facility to install and protect pushbuttons and series terminals, as well as the option to accommodate control sensors, switches and electronic equipment from the housing and installation technology area. Together with the fastening plate, it is an ideal partner in visible installations.

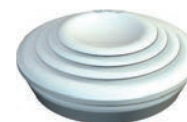
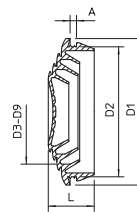
Plug-in seal EDK light grey



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
EDK 25 LGR	M25	0 - 22	Light grey	100	0.165	2011638
EDK 32 LGR	M32	0 - 27	Light grey	50	0.260	2011646
EDK 40 LGR	M40	0 - 34	Light grey	25	0.425	2011654
EDK 25 RW	M25	0 - 22	Pure white	100	0.175	2011689
EDK 32 RW	M32	0 - 27	Pure white	50	0.260	2011697
EDK 40 RW	M40	0 - 34	Pure white	25	0.425	2011700

TPE Thermoplastic elastomer

The plug-in seal can be cut back to suit the relevant cable diameter.

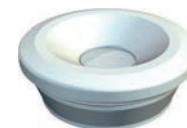
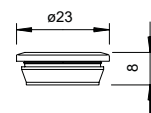


Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
89	PG 11	7 - 13	Light grey	100	0.111	2012030
89 RW	PG 11	7 - 13	Pure white	100	0.113	2012103
89 SW	PG 11	7 - 13	Black	100	0.112	2012146
89 LoG	PG 11	7 - 13	Light grey	5000	0.111	2012065
89 3MM NUT	PG 11	7 - 13	Light grey	2000	0.106	2012081

PE Polyethylene

Closed entry nipple with perforation membrane for cable diameters 7–13 mm. Ideal for simple cable routing in housings or through thin sheet metal.

Required hole diameter 18.5–19 mm, wall thickness max. 1.8 mm.



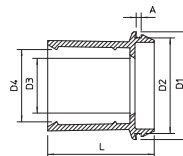
Plug-in seal for pipes, T-series junction box, light grey



Type	Size	Colour	Pack. pcs	Weight kg/100 pcs.	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

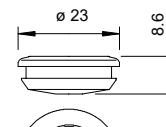
TPE Thermoplastic elastomer

Plug-in seal for junction boxes for direct insertion of metric pipes



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
89 ROE 12-16	PG 13,5	12 - 16	Light grey	100	0.102	2012049

PE Polyethylene



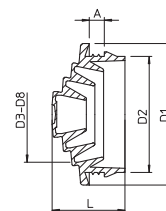
Plug-in seal EDVS



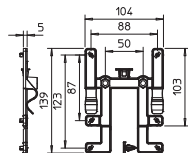
Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
EDVS M20 LGR	M20	0 - 17	Light grey	100	0.117	2012375
EDVS M25 LGR	M25	0 - 22	Light grey	100	0.179	2012383
EDVS M32 LGR	M32	0 - 28	Light grey	50	0.295	2012391

PE Polyethylene

The push-in nipple can be cut back to suit the relevant cable diameter.



Fastening element for cable tray



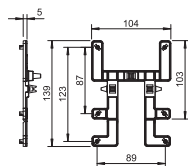
Type	Pack. pcs	Weight kg/100 pcs	Item No.
BE TS KR	10	2.800	2007835

PC Polycarbonate

The fastening element BE TS KR can be used to attach OBO junction boxes, type T60 and T100, to all standard cable trays in a few actions, quickly and without tools.

This keeps the junction box securely in position. However, it can be quickly dismantled as necessary. This is all done without using tools.

Fastening element for mesh cable tray



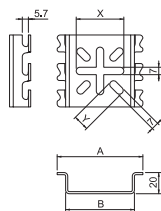
Type	Pack. pcs	Weight kg/100 pcs	Item No.
BE TS GR	10	2.300	2007833

PC Polycarbonate

The fastening element BE TS GR can be used to attach OBO junction boxes, type T60 and T100, to mesh cable trays quickly and in a few actions.

This keeps the junction box securely in position. However, it can be quickly dismantled as necessary.

Mounting plate for mesh cable tray



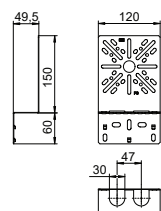
Type	Dimension A mm	Dimension B mm	Dimension x mm	Dimension y mm	Pack. pcs	Weight kg/100 pcs	Item No.
MPG 65 FT	81	65	45	15	30	9.200	6006486

St Steel

FT Hot-dip galvanised

Mounting plate for screwless wall fastening of mesh cable trays.

Montageplatte, angled



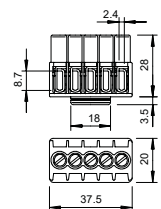
Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs	Item No.
MP WI KL. DD	210	120	20	20.200	7085111

St Steel

DD Strip galvanised zinc/aluminium, Double Dip

Curved mounting plate, for fixing on the side rail of the cable tray.

Terminal strip 1–4 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs	Item No.
KL-T 01-04	Light grey	5	1 - 4	400	10	2.100	2016180

PA Polyamide

Steel terminal block and bolts, galvanised and transparently passivated, nominal 1 - 4 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal max. 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm².

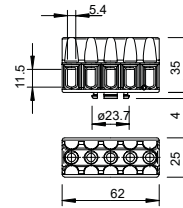
Terminal strip 1.5–6 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs	Item No.
KL-T 02-06	Light grey	5	1.5 - 6	400	10	4.380	2016185

PA Polyamide

Steel terminal block and bolts, galvanised and transparently passivated, nominal 1,5 - 6 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal: 3 x 6 mm², 4 x 4 mm² or 6 x 2.5 mm².



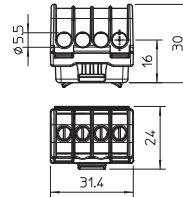
Terminal strip 6–16 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs	Item No.
KL-T 06-16	Light grey	4	6 - 16	400	10	1.970	2016190

PA Polyamide

Brass terminals, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².



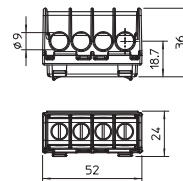
Terminal strip 16–35 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs	Item No.
KL-T 16-35	Light grey	4	16 - 35	400	10	5.630	2016195

PA Polyamide

Brass terminals, steel screws, electrogalvanised and transparently passivated, nominal cross-section 16 - 35 mm², nominal voltage 400 V, 1-pole, with terminal sockets, Max. connectable conductors per terminal max. 4 x 35 mm², 4 x 25 mm², 8x16 mm² or 12 x 10 mm².

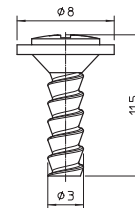


Fastening pin for mounting plates

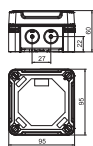
Type	Pack. pcs	Weight kg/100 pcs	Item No.
T-S MST	100	0.090	2007831

- Si Steel
- G Electrogalvanised

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.



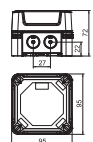
Junction box X 01



Type	X01 LGR	X01 LGR-TR	X01 SW	X01 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	7 x Ø20	7 x Ø20	7 x Ø20	7 x Ø20
Dimension LxWxH mm	95x95x60	95x95x60	95x95x60	95x95x60
Clear internal dimensions mm	85x85x45	85x85x45	85x85x45	85x85x45
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	16.000	16.000	16.000	16.000
Item No.	2005000	2005050	2005110	2005140

PC Polycarbonate

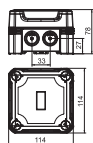
Junction box X 02



Type	X02 LGR	X02 LGR-TR	X02 SW	X02 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	7 x Ø20	7 x Ø20	7 x Ø20	7 x Ø20
Dimension LxWxH mm	95x95x72	95x95x72	95x95x72	95x95x72
Clear internal dimensions mm	85x85x57	85x85x57	85x85x57	85x85x57
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	17.800	17.800	17.800	17.800
Item No.	2005004	2005054	2005114	2005144

PC Polycarbonate

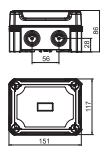
Junction box X 04



Type	X04 LGR	X04 LGR-TR	X04 SW	X04 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	7 x Ø20/25	7 x Ø20/25	7 x Ø20/25	7 x Ø20/25
Dimension LxWxH mm	114x114x78	114x114x78	114x114x78	114x114x78
Clear internal dimensions mm	102x102x60	102x102x60	102x102x60	102x102x60
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	26.600	26.600	26.600	26.600
Item No.	2005008	2005058	2005118	2005148

PC Polycarbonate

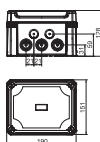
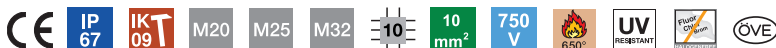
Junction box X 06



Type	X06 LGR	X06 LGR-TR	X06 SW	X06 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	8 x Ø20/25	8 x Ø20/25	8 x Ø20/25	8 x Ø20/25
Dimension LxWxH mm	151x117x87	151x117x87	151x117x87	151x117x87
Clear internal dimensions mm	137x105x68	137x105x68	137x105x68	137x105x68
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	33.500	33.500	33.500	33.500
Item No.	2005012	2005062	2005122	2005152

PC Polycarbonate

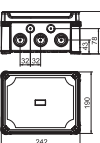
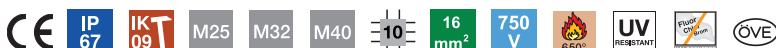
Junction box X 10



Type	X10 LGR	X10 LGR-TR	X10 SW	X10 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	10 x Ø20/25/32	10 x Ø20/25/32	10 x Ø20/25/32	10 x Ø20/25/32
Dimension LxWxH mm	191x151x126	191x151x126	191x151x126	191x151x126
Clear internal dimensions mm	177x137x110	177x137x110	177x137x110	177x137x110
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	59.200	59.200	59.200	59.200
Item No.	2005016	2005066	2005126	2005156

PC Polycarbonate

Junction box X 16

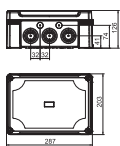
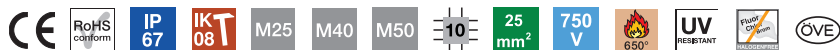


Type	X16 LGR	X16 LGR-TR	X16 SW	X16 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	10 x Ø25/32/40	10 x Ø25/32/40	10 x Ø25/32/40	10 x Ø25/32/40
Dimension LxWxH mm	241x191x126	241x191x126	241x191x126	241x191x126
Clear internal dimensions mm	227x177x110	227x177x110	227x177x110	227x177x110
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	79.300	79.300	79.300	79.300
Item No.	2005020	2005070	2005130	2005160

PC Polycarbonate



Junction box X 25



Type	X25 LGR	X25 LGR-TR	X25 SW	X25 SW-RO
Colour	Light grey	Grey / transparent	Graphite black	Black / red
Entries	10 x Ø25/40/50	10 x Ø25/40/50	10 x Ø25/40/50	10 x Ø25/40/50
Dimension LxWxH mm	286x202x126	286x202x126	286x202x126	286x202x126
Clear internal dimensions mm	271x187x110	271x187x110	271x187x110	271x187x110
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	96.500	96.500	96.500	96.500
Item No.	2005024	2005074	2005134	2005164

PC Polycarbonate

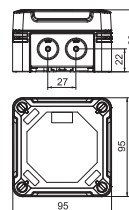
Junction box X 01 with cable gland



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X01 G M20 LGR	Light grey	7 x Ø20	1	19.000	2005030

PC Polycarbonate

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



Dimensions

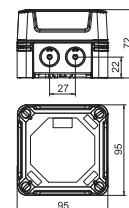
Junction box X 02 with cable gland



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X02 G M20 LGR	Light grey	7 x Ø20	1	21.500	2005032

PC Polycarbonate

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



Dimensions

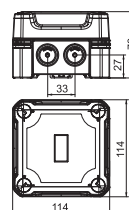
Junction box X 04 with cable gland



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X04 G M20 LGR	Light grey	7 x Ø20/25	1	31.400	2005034

PC Polycarbonate

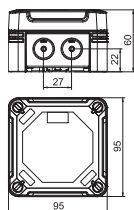
Type	Dimension LxWxH mm	Clear internal dimensions mm
X04 G M20 LGR	114x114x78	102x102x60



Dimensions



Junction box X 01 with terminal strip



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X01 T LGR	Light grey	7 x Ø20	1	17.500	2005190

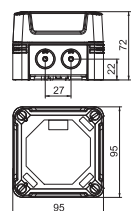
PC Polycarbonate

The scope of delivery contains a 5-pole terminal strip.

Dimensions

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

Junction box X 02 with terminal strip



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X02 T LGR	Light grey	7 x Ø20	1	19.300	2005194

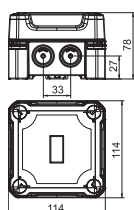
PC Polycarbonate

The scope of delivery contains a 5-pole terminal strip.

Dimensions

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

Junction box X 04 with terminal strip



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X04 T LGR	Light grey	7 x Ø20/25	1	31.600	2005198

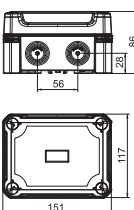
PC Polycarbonate

The scope of delivery contains a 5-pole terminal strip.

Dimensions

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

Junction box X 06 with terminal strip



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X06 T LGR	Light grey	8 x Ø20/25	1	38.000	2005202

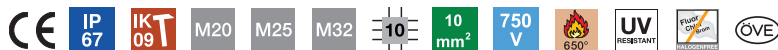
PC Polycarbonate

The scope of delivery contains a 5-pole terminal strip.

Dimensions

Type	Dimension LxWxH mm	Clear internal dimensions mm
X06 T LGR	151x117x87	137x105x68

Junction box X 10 with terminal strip

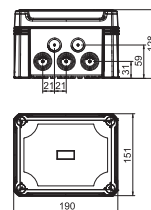


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X10 T LGR	Light grey	10 x Ø20/25/32	1	72.000	2005206

PC Polycarbonate

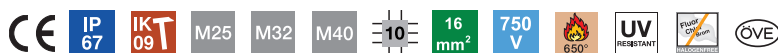
The scope of delivery contains 5 terminal strips, each with 4 terminals.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X10 T LGR	191x151x126	177x137x110



Dimensions

Junction box X 16 with terminal strip

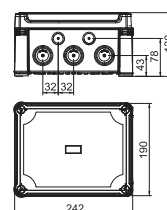


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X16 T LGR	Light grey	10 x Ø25/32/40	1	97.500	2005210

PC Polycarbonate

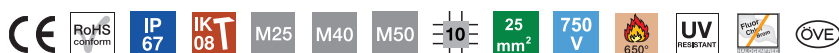
The scope of delivery contains 5 terminal strips, each with 4 terminals.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X16 T LGR	241x191x126	227x177x110



Dimensions

Junction box X 25 with terminal strip

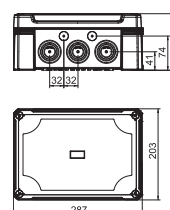


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X25 T LGR	Light grey	10 x Ø25/40/50	1	130.000	2005214

PC Polycarbonate

The scope of delivery contains 5 terminal strips, each with 4 terminals.

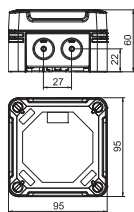
Type	Dimension LxWxH mm	Clear internal dimensions mm
X25 T LGR	286x202x126	271x187x110



Dimensions



Junction box X 01 with cable gland and terminal strip



Dimensions



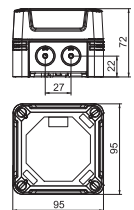
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X01 T G M20 LGR	Light grey	7 x Ø20	1	20.500	2005220

PC Polycarbonate

A terminal strip, three V-TEC M20 cable glands and three matching locknuts are included.

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

Junction box X 02 with cable gland and terminal strip



Dimensions



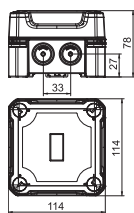
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X02 T G M20 LGR	Light grey	7 x Ø20	1	23.000	2005222

PC Polycarbonate

A terminal strip, three V-TEC M20 cable glands and three matching locknuts are included.

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

Junction box X 04 with cable glands and terminal strip



Dimensions



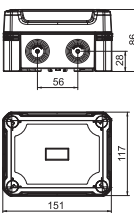
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X04 T G M25 LGR	Light grey	7 x Ø20/25	1	36.700	2005224

PC Polycarbonate

A terminal strip, three V-TEC M25 cable glands and three matching locknuts are included.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X04 T G M25 LGR	114x114x78	102x102x60

Junction box X 06 with cable glands and terminal strip



Dimensions



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X06 T G M25 LGR	Light grey	8 x Ø20/25	1	38.000	2005226

PC Polycarbonate

A terminal strip, three V-TEC M25 cable glands and three matching locknuts are included.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X06 T G M25 LGR	151x117x87	137x105x68

Junction box X 01 with cable gland and plug-in terminals

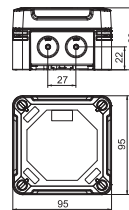


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X01 UT G LGR	Light grey	7 x Ø20	1	20.000	2005240

PC Polycarbonate

Three universal clamps (with 5 clamping points), three V-TEC M20 cable glands and three matching locknuts are included.

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



Dimensions

Junction box X 02 with cable gland and plug-in terminals

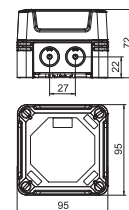


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X02 UT G LGR	Light grey	7 x Ø20	1	23.000	2005244

PC Polycarbonate

Three universal clamps (with 5 clamping points), three V-TEC M20 cable glands and three matching locknuts are included.

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



Dimensions

Junction box X 04 with cable glands and plug-in terminals

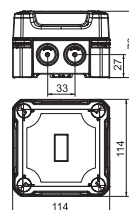


Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X04 UT G LGR	Light grey	7 x Ø20/25	1	33.500	2005248

PC Polycarbonate

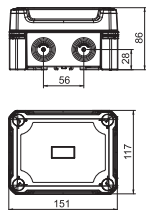
Three universal clamps (with 5 clamping points), three V-TEC M25 cable glands and three matching locknuts are included.

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



Dimensions

Junction box X 06 with hat profile rail



Dimensions



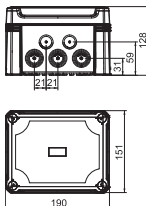
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X06 R LGR-TR	Grey / transparent	8 x Ø20/25	1	37.600	2005092

PC Polycarbonate

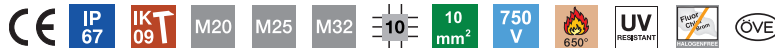
With transparent cover and hat profile rail, type 2069, with fastening set.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X06 R LGR-TR	151x117x87	137x105x68

Junction box X 10 with hat profile rail



Dimensions



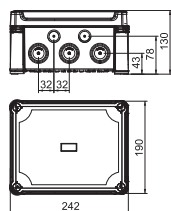
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X10 R LGR-TR	Grey / transparent	10 x Ø20/25/32	1	65.600	2005096

PC Polycarbonate

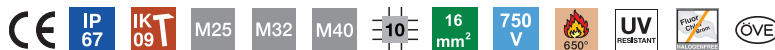
With transparent cover and hat profile rail, type 2069, with fastening set.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X10 R LGR-TR	191x151x126	177x137x110

Junction box X 16 with hat profile rail



Dimensions



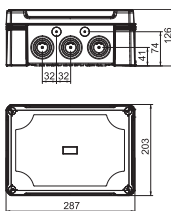
Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X16 R LGR-TR	Grey / transparent	10 x Ø25/32/40	1	87.300	2005100

PC Polycarbonate

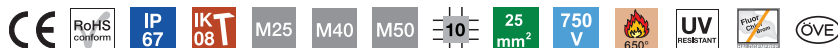
With transparent cover and hat profile rail, type 2069, with fastening set.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X16 R LGR-TR	241x191x126	227x177x110

Junction box X 25 with hat profile rail



Dimensions



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X25 R LGR-TR	Grey / transparent	10 x Ø25/40/50	1	107.000	2005104

PC Polycarbonate

With transparent cover and hat profile rail, type 2069, with fastening set.

Type	Dimension LxWxH mm	Clear internal dimensions mm
X25 R LGR-TR	286x202x126	271x187x110

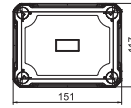
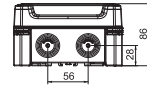
Junction box X 06 with main branch terminal



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X06 H25 GP4 LGR	Light grey	8 x Ø20/25	1	56.800	2005304

PC Polycarbonate

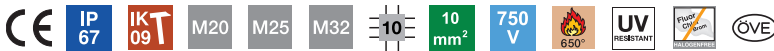
A 4-pole main terminal block is included with 16 clamping points.
For 25 mm² cable cross-section



Dimensions

Type	Dimension LxWxH mm	Clear internal dimensions mm
X06 H25 GP4 LGR	151x117x87	137x105x68

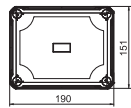
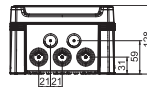
Junction box X 10 with main branch terminal



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X10 H25 GNP5 LGR	Light grey	10 x Ø20/25/32	1	104.000	2005308

PC Polycarbonate

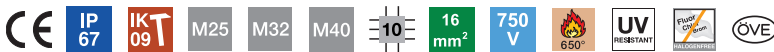
A 5-pole main terminal block is included with 20 clamping points.
For 25 mm² cable cross-section



Dimensions

Type	Dimension LxWxH mm	Clear internal dimensions mm
X10 H25 GNP5 LGR	191x151x126	177x137x110

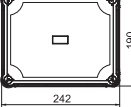
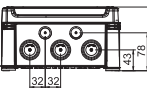
Junction box X 16 with main branch terminal



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X16 H25 GNP5 LGR	Light grey	10 x Ø25/32/40	1	111.000	2005312
X16 H35 GNP5 LGR	Light grey	10 x Ø25/32/40	1	125.000	2005316

PC Polycarbonate

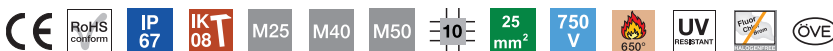
A 5-pole main terminal block is included with 20 clamping points.
X16 H25 GNP5 LGR: for 25 mm² conductor cross-section
X16 H35 GNP5 LGR: for 35 mm² conductor cross-section



Dimensions

Type	Dimension LxWxH mm	Clear internal dimensions mm
X16 H25 GNP5 LGR	241x191x126	227x177x110
X16 H35 GNP5 LGR	241x191x126	227x177x110

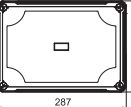
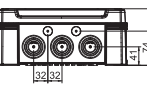
Junction box X 25 with main branch terminal



Type	Colour	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
X25 H35 GNP5 LGR	Light grey	10 x Ø25/40/50	1	145.000	2005320
X25 H50 GNP5 LGR	Light grey	10 x Ø25/40/50	1	165.000	2005324

PC Polycarbonate

In addition, a main cable branch terminal is included:
X25 H25 GNP5 LGR: 7-pole with 28 clamping points for 25 mm² conductor cross-section
X25 H35 GNP5 LGR: 5-pole with 20 clamping points for 35 mm² conductor cross-section
X25 H50 GNP5 LGR: 5-pole with 20 clamping points for 50 mm² conductor cross-section

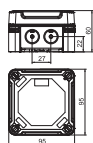


Dimensions

Type	Dimension LxWxH mm	Clear internal dimensions mm
X25 H35 GNP5 LGR	286x202x126	271x187x110
X25 H50 GNP5 LGR	286x202x126	271x187x110



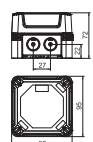
Empty housing X 01



Type	X01C LGR	X01C LGR-TR	X01C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	95x95x60	95x95x60	95x95x60
Clear internal dimensions mm	85x85x45	85x85x45	85x85x45
Pack. pcs	1	1	1
Weight kg/100 pcs.	15.600	15.600	15.600
Item No.	2005450	2005520	2005590

PC Polycarbonate

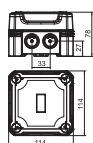
Empty housing X 02



Type	X02C LGR	X02C LGR-TR	X02C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	95x95x72	95x95x72	95x95x72
Clear internal dimensions mm	85x85x57	85x85x57	85x85x57
Pack. pcs	1	1	1
Weight kg/100 pcs.	17.500	17.500	17.500
Item No.	2005454	2005524	2005594

PC Polycarbonate

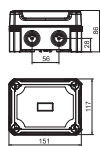
Empty housing X 04



Type	X04C LGR	X04C LGR-TR	X04C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	114x114x78	114x114x78	114x114x78
Clear internal dimensions mm	102x102x60	102x102x60	102x102x60
Pack. pcs	1	1	1
Weight kg/100 pcs.	26.300	26.300	26.300
Item No.	2005458	2005528	2005598

PC Polycarbonate

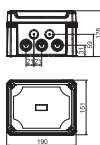
Empty housing X 06



Type	X06C LGR	X06C LGR-TR	X06C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	151x117x87	151x117x87	151x117x87
Clear internal dimensions mm	137x105x68	137x105x68	137x105x68
Pack. pcs	1	1	1
Weight kg/100 pcs.	33.100	33.100	33.500
Item No.	2005462	2005532	2005602

PC Polycarbonate

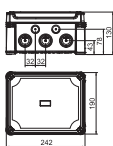
Empty housing X 10



Type	X10C LGR	X10C LGR-TR	X10C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	191x151x126	191x151x126	191x151x126
Clear internal dimensions mm	177x137x110	177x137x110	177x137x110
Pack. pcs	1	1	1
Weight kg/100 pcs.	58.500	85.500	58.500
Item No.	2005466	2005536	2005606

PC Polycarbonate

Empty housing X 16

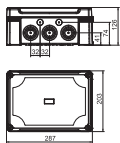


Type	X16C LGR	X16C LGR-TR	X16C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	241x191x126	241x191x126	241x191x126
Clear internal dimensions mm	227x177x110	227x177x110	227x177x110
Pack. pcs	1	1	1
Weight kg/100 pcs.	78.400	78.400	78.400
Item No.	2005470	2005540	2005610

PC Polycarbonate



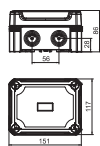
Empty housing X 25



Type	X25C LGR	X25C LGR-TR	X25C SW
Colour	Light grey	Grey / transparent	Graphite black
Dimension LxWxH mm	286x202x126	286x202x126	286x202x126
Clear internal dimensions mm	271x187x110	271x187x110	271x187x110
Pack. pcs	1	1	1
Weight kg/100 pcs.	95.000	95.000	95.000
Item No.	2005474	2005544	2005614

PC Polycarbonate

Empty housing X 06 with hat profile rail

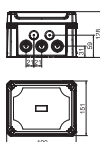


Type	X06C R LGR	X06C R LGR-TR
Colour	Light grey	Grey / transparent
Dimension LxWxH mm	151x117x87	151x117x87
Clear internal dimensions mm	137x105x68	137x105x68
Pack. pcs	1	1
Weight kg/100 pcs.	37.600	37.600
Item No.	2005490	2005560

PC Polycarbonate

With hat profile rail, type 2069, and fastening set.

Empty housing X 10 with hat profile rail

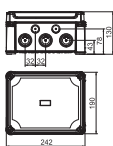


Type	X10C R LGR	X10C R LGR-TR
Colour	Light grey	Grey / transparent
Dimension LxWxH mm	191x151x126	191x151x126
Clear internal dimensions mm	177x137x110	177x137x110
Pack. pcs	1	1
Weight kg/100 pcs.	65.600	65.600
Item No.	2005494	2005564

PC Polycarbonate

With hat profile rail, type 2069, and fastening set.

Empty housing X 16 with hat profile rail



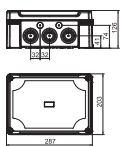
Type	X16C R LGR	X16C R LGR-TR
Colour	Light grey	Grey / transparent
Dimension LxWxH mm	241x191x126	241x191x126
Clear internal dimensions mm	227x177x110	227x177x110
Pack. pcs	1	1
Weight kg/100 pcs.	87.300	87.300
Item No.	2005498	2005568

PC Polycarbonate

With hat profile rail, type 2069, and fastening set.



Empty housing X 25 with hat profile rail



Type	X25C R LGR	X25C R LGR-TR
Colour	Light grey	Grey / transparent
Dimension LxWxH mm	286x202x126	286x202x126
Clear internal dimensions mm	271x187x110	271x187x110
Pack. pcs	1	1
Weight kg/100 pcs.	107.000	107.000
Item No.	2005502	2005572

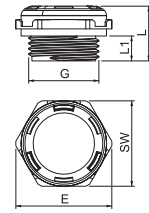
PC Polycarbonate

With hat profile rail, type 2069, and fastening set.

Pressure balance plug 109

Type	Thread	Protection rating	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
109 M20 LGR	M20x1,5	IP68	Light grey	5	0.538	2034680

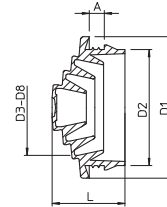
The pressure compensation element is surrounded by an ePTFE membrane, which is permeable in both directions to air. The air throughput at a pressure difference of 70 mbar is 110 L/h. At the same time, moisture cannot enter the housing from outside.



EDS plug-in seal, light grey

Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	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

PE Polyethylene



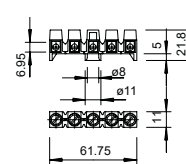
Terminal strip 2.5 mm²



Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
689	Light grey	5	0.8 - 2.5	660	50	1.502	2017342

PA Polyamide

Terminal strip, nickel-plated brass, steel screws, galvanised and transparently passivated, nominal cross-section 0,8 - 2,5 mm², nominal voltage 660 V, 5-pole, with terminal sockets, max. connectable cross-sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm², unnecessary poles can be cut off and used as individual terminals.



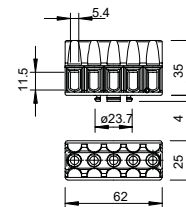
Terminal strip 1.5–6 mm², junction box, T series



Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 02-06	Light grey	5	1.5 - 6	400	10	4.380	2016185

PA Polyamide

Steel terminal block and bolts, galvanised and transparently passivated, nominal 1,5 - 6 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal: 3 x 6 mm², 4 x 4 mm² or 6 x 2.5 mm².



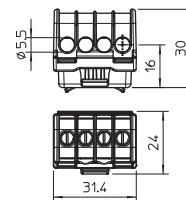
Terminal strip 6–16 mm², junction box, T series



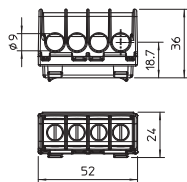
Type	Colour	No. of terminals	Nominal cross-section mm²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 06-16	Light grey	4	6 - 16	400	10	1.970	2016190

PA Polyamide

Brass terminals, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².



Terminal strip 16–35 mm², junction box, T series

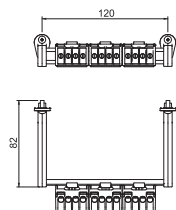


Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 16-35	Light grey	4	16 - 35	400	10	5.630	2016195

PA Polyamide

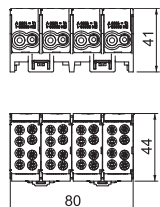
Brass terminals, steel screws, electrogalvanised and transparently passivated, nominal cross-section 16 - 35 mm², nominal voltage 400 V, 1-pole, with terminal sockets, Max. connectable conductors per terminal max. 4 x 35 mm², 4 x 25 mm², 8x16 mm² or 12 x 10 mm².

Terminal strip set for X series



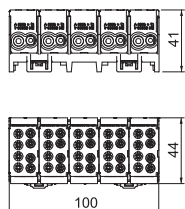
Type	Nominal cross-section mm ²	Pole number	Number of screwless terminals per pole	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-X10 06-16	6 - 16	5	4	1	17.600	2008931
KL-X16 06-16	6 - 16	5	4	1	14.500	2008935
KL-X25 16-35	16 - 35	5	4	1	37.500	2008939

Main branch terminal, 4-pole



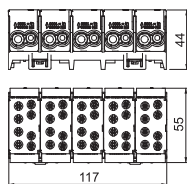
Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HIAK 4-8x16	25	4	4	1	19.200	2009032

Main branch terminal, 5-pole



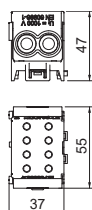
Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HIAK 5-10x16	25	4	5	1	23.100	2009036

Main branch terminal, 5-pole



Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HIAK 5-10x25	35	4	5	1	38.100	2009038

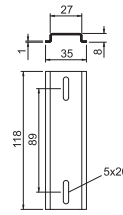
Main branch terminal, 1-pole



Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HIAK 1-2x35 GR	70	4	1	1	11.600	2009042
HIAK 1-2x35 GRGN	70	4	1	1	11.600	2009044
HIAK 1-2x35 GRBL	70	4	1	1	11.600	2009046

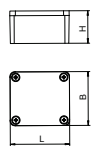
Hat rail set

Type	Length mm	Width mm	Height mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2069 X06 FS	118	35	8	1	4.300	1115876
2069 X10 FS	161	62	23	1	7.400	1115879
2069 X16 FS	211	62	23	1	9.200	1115882
2069 X25 FS	252	62	23	1	10.700	1115887



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Aluminium empty housing Mx06-Mx15, powder-coated



Type	Mx 060503 SGR	Mx 080705 SGR	Mx 120805 SGR	Mx 161008 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	64x58x34	80x75x57	125x80x57	160x100x81
Clear internal dimensions mm	56.5x50.5x31.5	71x65.6x52.5	115.5x70.5x51	117x90x74.5
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	19.200	36.400	50.000	90.000
Item No.	2011304	2011308	2011312	2011316

AIG Cast aluminium

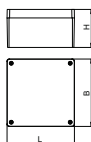
P Powder-coated

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 plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.

Temperature: -40°C to +125°C

Aluminium empty housing Mx06-Mx15, 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	165x70x75	229.5x149x94.5	317.5x149x92
Pack. pcs	1	1	1	1
Weight kg/100 pcs.	170.000	66.000	230.000	320.000
Item No.	2011320	2011324	2011328	2011332

AIG 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 plastic coated (RAL 7035) and are delivered with a cover including stainless steel screws, a seal and two or four earthing screws.

Temperature: -40°C to +125°C

Montageplatte, angled

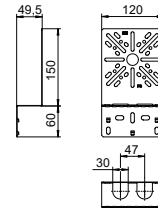


Type	Height mm	Width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP WI KL. DD	210	120	20	20.200	7085111

St Steel

DD Strip galvanised zinc/aluminium, Double Dip

Curved mounting plate, for fixing on the side rail of the cable tray.



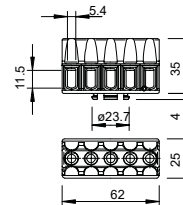
Terminal strip 1.5–6 mm², junction box, T series



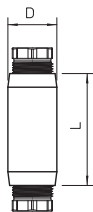
Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 02-06	Light grey	5	1.5 - 6	400	10	4.380	2016185

PA Polyamide

Steel terminal block and bolts, galvanised and transparently passivated, nominal 1,5 - 6 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal: 3 x 6 mm², 4 x 4 mm² or 6 x 2.5 mm².



Cable connection sleeve



IP 54
2,5 mm²
6 mm²
Pg
660 V
5

Type	Entries	Dimen- sion D mm	Dimen- sion L mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
117 5x2.5	Pg 16	28	64	Light grey	10	4.891	2022028
117 5x6	Pg 21	33.5	82	Light grey	5	8.306	2022060

PS Polystyrene

FireBox T100ED with plug-in seal and internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 ED 6-5	6	5	8x M25 2x M32	1	34.000	7205530
T 100 ED 10-5	10	5	8x M25 2x M32	1	35.900	7205533

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12.

Maintenance of electrical functionality to classes E30 to E90.

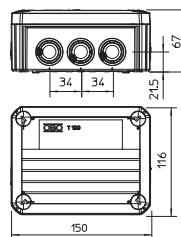
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible.

High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T160ED with internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 ED 16-5	16	5	7x M25 5x M32	1	62.500	7205536

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

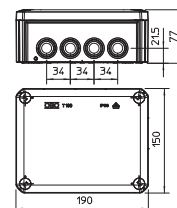
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening.

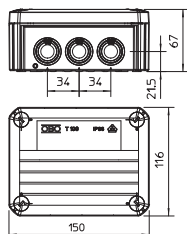
Power cable nominal cross-sections: Up to 16 mm². Several rigid copper wires with smaller cross-sections per terminal possible.

High protection rating IP66, impact resistance class IK05.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T100ED with internal fastening and fuse holder



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 ED 6-6 F	6	6	8x M25 2x M32	1	38.650	7205550
T 100 ED 10-6 F	10	6	8x M25 2x M32	1	38.650	7205553

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

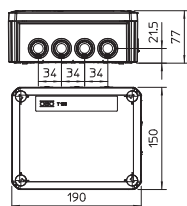
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fuse holder TE-FH 520 for VDE-conformant, reaction-free protection of consumers and 2 fire protection screw ties MMS 6x50 for anchorless fastening.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T160ED with internal fastening and fuse holder



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 ED 16-6 F	16	6	7x M25 5x M32	1	64.000	7205556

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fuse holder TE-FH 520 for VDE-conformant, reaction-free protection of consumers and 2 fire protection screw ties MMS 6x50 for anchorless fastening.

Power cable nominal cross-sections: Up to 16 mm². Several rigid copper wires with smaller cross-sections per terminal possible.

High protection rating IP66, impact resistance class IK05.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T100ED with external fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 ED 6-5 A	6	5	8x M25 2x M32	1	38.500	7205540
T 100 ED 10-5 A	10	5	8x M25 2x M32	1	40.600	7205543

PP Polypropylene

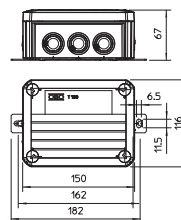
Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T160ED with external fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 ED 16-5 A	16	5	7x M25 5x M32	1	60.000	7205546

PP Polypropylene

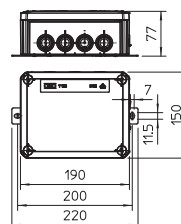
Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

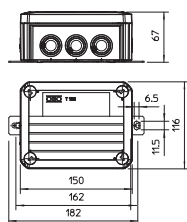
Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

Power cable nominal cross-sections: Up to 16 mm². Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK05.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T100ED external fastening with fuse holder



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs	Item No.
T 100 ED 6-6 AF	6	6	8x M25 2x M32	1	43.330	7205560
T 100 ED 10-6 AF	10	6	8x M25 2x M32	1	43.340	7205563

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

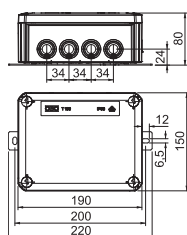
Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fuse holder TE-FH 520 for VDE-conformant, reaction-free protection of consumers and 2 fire protection screw ties MMS 6x50 for anchorless fastening on the external shackles.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T160ED with external fastening and fuse holder



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs	Item No.
T 160 ED 16-6 AF	16	6	7x M25 5x M32	1	60.000	7205566

PP Polypropylene

Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fuse holder TE-FH 520 for VDE-conformant, reaction-free protection of consumers and 2 fire protection screw ties MMS 6x50 for anchorless fastening on the external shackles.

Power cable nominal cross-sections: Up to 16 mm². Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK05.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T100ED with external fastening and impact-proof cover

E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T100ED 6-5 AS	6	5	8x M25 2x M32	1	44.500	7205620
T100ED 10-5 AS	10	5	8x M25 2x M32	1	46.600	7205623

PP/PC Polypropylene / polycarbonate

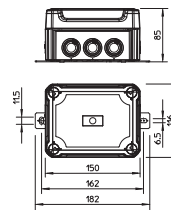
Halogen-free junction box with impact-proof cover and pre-mounted, soft plug-in seals, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK09.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T160ED with external fastening and impact-proof cover

E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T160ED 16-5 AS	16	5	7x M25 5x M32	1	65.000	7205626

PP/PC Polypropylene / polycarbonate

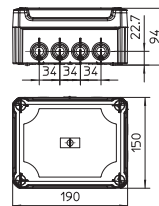
Halogen-free junction box with impact-proof cover and pre-mounted, soft plug-in seals, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

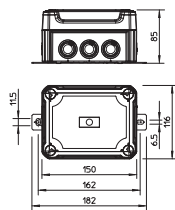
Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

Power cable nominal cross-sections: Up to 16 mm². Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK10.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T100ED with external fastening, fuse holder and impact-proof cover



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T100ED 6-6 AFS	6	6	8x M25 2x M32	1	49.200	7205630
T100ED 10-6 AFS	10	6	8x M25 2x M32	1	49.300	7205633

PP/PC Polypropylene / polycarbonate

Halogen-free junction box with impact-proof cover and pre-mounted, soft plug-in seals, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fuse holder TE-FH 520 for VDE-conformant, reaction-free protection of consumers and 2 fire protection screw ties MMS 6x50 for anchorless fastening on the external shackles.

Power cable nominal cross-sections: 1.5 to 10 mm² depending on the type, data cables with 0.8 mm wire Ø. Several rigid copper wires with smaller cross-sections per terminal possible. High protection rating IP66, impact resistance class IK09.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T100ED for data technology with internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 ED 4-10 D	4	10	8x M25 2x M32	1	38.300	7205580

PP Polypropylene

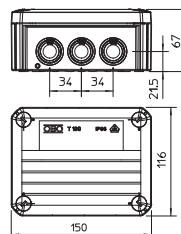
Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminals. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

For data cables with wire Ø 0.8 mm. Up to 6 rigid copper wires (0.5 mm²) possible on each terminal. High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T100ED for data technology with external fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 ED 4-10 AD	4	10	8x M25 2x M32	1	45.600	7205583

PP Polypropylene

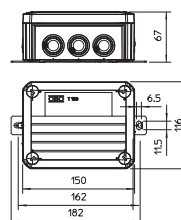
Halogen-free junction box with pre-mounted, soft plug-in seals, approved for maintaining electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

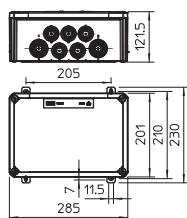
Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminals. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

For data cables with wire Ø 0.8 mm. Up to 6 rigid copper wires (0.5 mm²) possible on each terminal. High protection rating IP66, impact resistance class IK08.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T350ED for data technology with external fastening



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. Weight		Item No.
				pcs	kg/100 pcs.	
T 350 ED 4-28 AD	4	28	16x M32 8x M40	1	163.000	7205590

PP Polypropylene

Halogen-free junction box as small data distributor with pre-mounted, soft plug-in seals, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

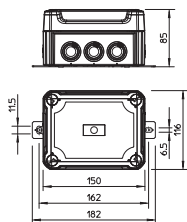
Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminals. Supplied with 4 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

For data cables with wire Ø 0.8 mm. Up to 6 rigid copper wires (0.5 mm²) possible on each terminal. High protection rating IP66, impact resistance class IK06.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T100ED for data equipment, external fastening and impact-proof cover



E30 **E90** **IP 66**

Type	Nominal cross-section mm ²	Number of terminals	Entries	Pack. Weight		Item No.
				pcs	kg/100 pcs.	
T100ED 4-10 ADS	4	10	8x M25 2x M32	1	51.600	7205640

PP/PC Polypropylene / polycarbonate

Halogen-free junction box with impact-proof cover and pre-mounted, soft plug-in seals, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

Fully mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminals. Supplied with 2 MMS 6x50 fire protection screw ties for anchorless fastening on the external straps.

For data cables with wire Ø 0.8 mm. Up to 6 rigid copper wires (0.5 mm²) possible on each terminal. High protection rating IP66, impact resistance class IK09.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.

FireBox T100E with internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 100 E 4-5	4	5	Pastel orange	17	1	27.400	7205510

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

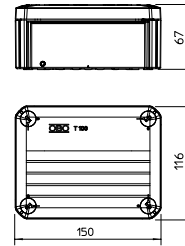
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fire protection screw ties for anchorless fastening.

Power cable nominal cross-sections: 1.5 to 4 mm², data cables with 0.8 mm wire Ø. Maximum of two 1.5 mm² rigid copper cables per terminal (remove wire protection).

High protection rating IP66, impact resistance class IK07.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T160E with internal fastening

E30 E90 IP 66

Type	Nominal cross-section mm ²	Number of terminals	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 10-5	10	5	Pastel orange	5	1	48.700	7205524
T 160 E 16-5	16	5	Pastel orange	5	1	53.800	7205528

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

Colour: Pastel orange.

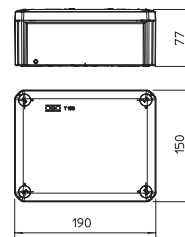
Including pre-mounted connection unit made of high temperature-resistant special ceramic and labelled protective conductor terminal. Supplied with fire protection screw ties for anchorless fastening.

Nominal cross-sections of the power cable: 10 or 16 mm²

A maximum of 2 rigid copper cables of 2.5 mm² or 4 mm² per terminal (remove wire protection).

High protection rating IP66, impact resistance class IK06.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



FireBox T160E for data technology with internal fastening

E30 E90 IP 66

Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
T 160 E 4-8D	Pastel orange	5	1	46.500	7205520

PP Polypropylene

Halogen-free junction box, approved for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical functionality to classes E30 to E90.

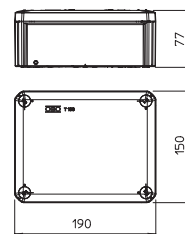
Colour: Pastel orange.

Including pre-mounted connection unit made of high temperature-resistant special ceramic with fire protection screw ties for anchorless fastening.

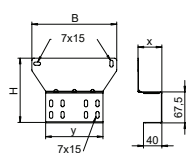
Nominal cross-section: data cables with 0.8 mm wire Ø.

High protection rating IP66, impact resistance class IK06.

Details on the cable types and manufacturers can be found in the general construction test certificate of the material testing institute NRW, Erwitte.



Mounting plate for FireBox T series



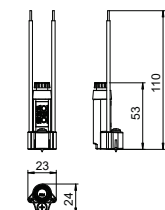
Type	Dimension H mm	Dimension B mm	Dimension x mm	Dimension y mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MP T610	141	185	52	125	1	23.600	7205480
MP T616	159	220	63	165	1	34.500	7205484

St Steel

DD Strip galvanised zinc/aluminium, Double Dip

Mounting plate for the fastening of junction boxes of the FireBox T series (with external fastening) onto cable trays or cable ladders with a side height of 60 mm. The angled construction from sheet steel reinforced through crimps enables the secure mounting of cables that maintain electrical functionality, without having to bend the cable over the side rail.

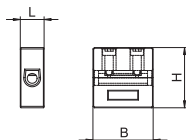
Fuse holder for FireBox T series



Type	Pack. pcs	Weight kg/100 pcs.	Item No.
TE-FH 520	1	1.800	7205570

Fuse holder with bayonet lock for fine-wire fuse for dimensions $\varnothing 5 \times 20$ 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.

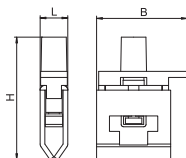
Ceramic terminal



Type	Nominal cross-section mm ²	Pack. pcs	Weight kg/100 pcs.	Item No.
TK 04	0.5 - 4	5	0.880	7205700
TK 06	6	5	0.880	7205702
TK 10	10	5	1.840	7205704
TK 16	16	5	3.160	7205706

High temperature-resistant ceramic terminal for refitting of the FireBox T series.

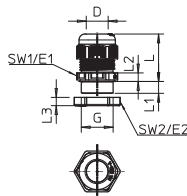
Protective conductor terminal



Type	Nominal cross-section mm ²	Pack. pcs	Weight kg/100 pcs.	Item No.
TPE 04	4	5	0.400	7205708
TPE 25	25	5	1.440	7205710

Productive conductor terminal for retro-fitting the FireBox T series with green-yellow identification.

Cable gland with locknut as a set



Type	Thread	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM20+ OR	M20 x 1,5	100	10	1.106	7205660
V-TEC VM25+ OR	M25 x 1,5	100	10	1.710	7205663
V-TEC VM32+ OR	M32 x 1,5	100	10	2.840	7205666
V-TEC VM40+ OR	M40 x 1,5	120	10	5.150	7205669

PA Polyamide

Robust cap nut cable gland with metric connecting thread to IEC 423, including pre-mounted locknut.

For high tightness requirements. Strain relief, wringing 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 junction boxes of the FireBox T series.

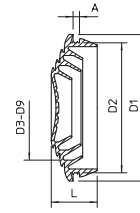
Colour: Pastel orange.

Plug-in seal for FireBox T series

Type	Size	For Ø mm	Pack.		Weight kg/100 pcs.	Item No.
			pcs			
EDK 25 OR	M25	0 - 22	10		0.165	7205675
EDK 32 OR	M32	0 - 27	10		0.274	7205677
EDK 40 OR	M40	0 - 34	10		0.420	7205679

TPE Thermoplastic elastomer

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

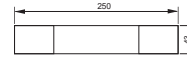


Identification plate for function maintenance

Type	Pack.		Weight kg/100 pcs.	Item No.
	pcs			
KS-E DE	10		0.600	7205423
KS-E EN	10		0.600	7205432
KS-E HU	10		0.600	7205434
KS-E PL	10		0.600	7205436

PVC Polyvinylchloride

Self-adhesive identification plate for approved cable system labelling for maintenance of electrical function as required by DIN 4102 part 12.



Aquasit cold casting compound, cartridge



Type	Contents ml	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
KVM 250	250	1	42.000	2363010

Aquasit is a two-component casting compound in a cartridge, for applications in areas with continuous and extremely high levels of moisture. It can also be used against mechanical shock and vibrations.

The cartridge is suitable for use in standard cartridge pistols. At room temperature, the unopened aluminium packaging can be stored for up to 18 months. When the cartridge is opened, the material should be used within 24 hours.

Practical experience, tests and approvals valid only in conjunction with OBO junction boxes.

Aquasit properties:

Protection rating with appropriate junction box: IP68 at 1.8 bar/1,000 hrs

Rated voltage: 400 V

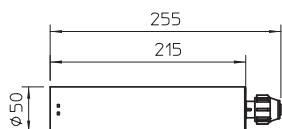
Penetration resistance: >20 kv/mm to VDE 0291 Part 2

Operating temperature: -40 to +90 °C

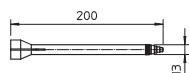
Processing temperature: 0 to +40 °C

Halogen-free, silicon-free, isocyanite-free

Environmentally friendly and without the need to be labelled



AQUASIT mixer pipe

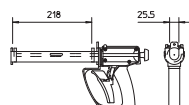


Type	Pack. Weight		Item No.
	PU	kg/100 PUs	
KVM-M	1	17.000	2363015

10 mixer pipes in the set.

Simple, automatic mixing of OBO AQUASIT when pressing out the compound from the cartridge.

Aquasit cartridge pistol



Type	Pack. Weight		Item No.
	pcs	kg/100 pcs.	
KVM-P	1	100.000	2363019

High-quality one-component cartridge pistol for use with the AQUASIT cold casting compound. The cartridge pistol can also be used with normal 300 ml cartridges.

Aquisit cold casting compound, mixing bag



Type	Contents ml	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
KVMM 400	400	1	49.800	2363008
KVMM 800	800	1	92.000	2363006
KVMM 1600	1600	1	175.000	2363002



Aquisit is a two-component casting compound in a cartridge, for applications in areas with continuous and extremely high levels of moisture. It can also be used against mechanical shock and vibrations.

The cartridge is suitable for use in standard cartridge pistols. At room temperature, the unopened aluminium packaging can be stored for up to 18 months. When the cartridge is opened, the material should be used within 24 hours.

Practical experience, tests and approvals valid only in conjunction with OBO junction boxes.

Aquisit properties:

Protection rating with appropriate junction box: IP68 at 1.8 bar/1,000 hrs

Rated voltage: 400 V

Penetration resistance: >20 kv/mm to VDE 0291 Part 2

Operating temperature: -40 to +90 °C

Processing temperature: 0 to +40 °C

Halogen-free, silicon-free, isocyanite-free

Environmentally friendly and without the need to be labelled






VBS_Typ 0A / en / 2019/05/21 15:42:50 (LLExpert_02463) / 2019/05/21 15:43:10 15:43:10



Distribution box

	Distribution box, 3 division units	100
	Distribution box, 5 division units	101
	Distribution box, 9 division units	102
	Distribution box, 12 division units	103
	Terminal sets	105



Distribution box, 3 division units, with screwless terminal



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

PC Polycarbonate

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 (1x25² and 1x16² screw terminal points, 2x4² and 12x2.5² 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

Distribution box, 3 division units, with screw terminal



Type	Terminals	Colour	Dimension LxWxH mm	Pack.	Weight	Item No.
				pcs	kg/100 pcs.	
SDB 03 PS	Screw	Light grey	150x190x125	1	81.000	2008800

PS Polystyrene

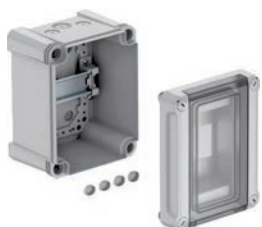
Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".

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, 3 division units, empty



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

PS Polystyrene **PC** Polycarbonate

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 distribution boxes are suitable for mounting for interior and exterior use.

Distribution box, 5 division units, with screwless terminal



Type	Terminals	Colour	Dimension	Pack.	Weight	Item No.
			LxWxH mm			
SDB 05 PC	Connector	Light grey	190x150x125	1	76.040	2008844

PC Polycarbonate

Surface-mounted distribution 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 (1x25² and 1x16² screw terminal points, 2x4² and 12x2.5² 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



Distribution box, 5 division units, with screw terminal



Type	Terminals	Colour	Dimension	Pack.	Weight	Item No.
			LxWxH mm			
SDB 05 PS	Screw	Light grey	190x150x125	1	81.500	2008804

PS Polystyrene

Surface-mounted distribution 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



Distribution box, 5 division units, empty



Type	Colour	Dimension	Pack.	Weight	Item No.
		LxWxH mm			
SDB 05L PC	Light grey	190x150x125	1	78.500	2008864
SDB 05L PS	Light grey	190x150x125	1	69.500	2008824

PS Polystyrene **PC** Polycarbonate

Surface-mounted distribution 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 PC distribution boxes are suitable for mounting for interior and exterior use.



Distribution box, 9 division units, with screwless terminal



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

PC Polycarbonate

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 (1x25² and 1x16² screw terminal points, 2x4² and 12x2.5² 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

Distribution box, 9 division units, with screw terminal



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SDB 09 PS	Screw	Light grey	240x191x125	1	110.000	2008808

PS Polystyrene

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

Distribution box, 9 division units, empty



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

PS Polystyrene **PC** Polycarbonate

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 distribution boxes are suitable for mounting in interiors and in protected exteriors.

Distribution box, 12 division units, with screwless terminal



Type	Terminals	Colour	Dimension	Pack.	Weight	Item No.
			LxWxH mm			
SDB 12 PC	Connector	Light grey	286x202x125	1	150.000	2008852

PC Polycarbonate

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 (1x25² and 1x16² screw terminal points, 2x4² and 12x2.5² 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, 12 division units, with screw terminal



Type	Terminals	Colour	Dimension	Pack.	Weight	Item No.
			LxWxH mm			
SDB 12 PS	Screw	Light grey	286x202x125	1	141.000	2008812

PS Polystyrene

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 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



Distribution box, 12 division units, empty



Type	Colour	Dimension	Pack.	Weight	Item No.
		LxWxH mm			
SDB 12L PS	Light grey	286x202x125	1	120.000	2008832
SDB 12L PC	Light grey	286x202x125	1	134.000	2008872

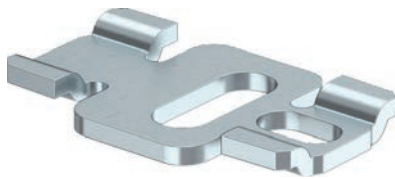
PS Polystyrene **PC** Polycarbonate

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 distribution boxes are suitable for mounting in interiors and in protected exteriors.



External fastening or connection



Type	Pack. pcs	Weight kg/100 pcs	Item No.
AV-S	20	0.900	2007990

V2A Stainless steel, A2

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)

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

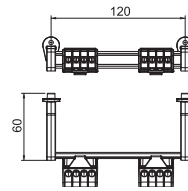
Terminal strip set with screw terminals for SDB 03

Type	Number of screwless terminals per pole	Pack. pcs	Weight kg/100 pcs.	Item No.
KLS-SDB 03	4	1	7.990	2008880

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 03... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal



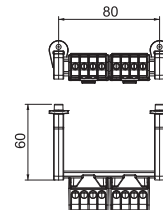
Terminal strip set with screw terminals for SDB 05

Type	Number of screwless terminals per pole	Pack. pcs	Weight kg/100 pcs.	Item No.
KLS-SDB 05	4	1	7.290	2008884

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 05... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal



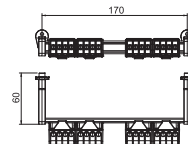
Terminal strip set with screw terminals for SDB 09

Type	Number of screwless terminals per pole	Pack. pcs	Weight kg/100 pcs.	Item No.
KLS-SDB 09	8	1	8.890	2008888

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 09... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal



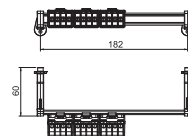
Terminal strip set with screw terminals for SDB 12

Type	Number of screwless terminals per pole	Pack. pcs	Weight kg/100 pcs.	Item No.
KLS-SDB 12	12	1	9.090	2008892

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 12... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal



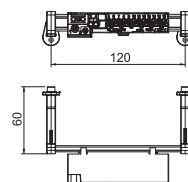
Terminal strip set with screwless terminals for SDB 03

Type	Pack. pcs	Weight kg/100 pcs.	Item No.
KLS-SDB 03S	1	13.830	2008910

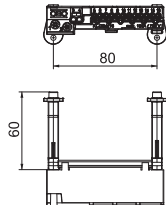
Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 03... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals



Terminal strip set with screwless terminals for SDB 05



Type

KLS-SDB 05S

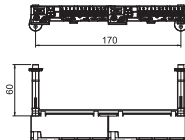
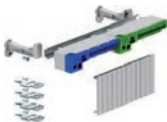
Pack. pcs	Weight kg/100 pcs.	Item No.
1	13.130	2008914

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 05... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals

Terminal strip set with screwless terminals for SDB 09



Type

KLS-SDB 09S

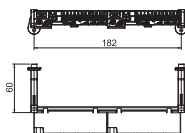
Pack. pcs	Weight kg/100 pcs.	Item No.
1	14.730	2008918

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 09... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals

Terminal strip set with screwless terminals for SDB 12



Type

KLS-SDB 12S

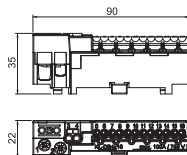
Pack. pcs	Weight kg/100 pcs.	Item No.
1	14.180	2008922

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 12... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals

Protective conductor terminal, with screwless contacts, 12 terminals



Type

KL-DBS12x02GRGN | Grey / green

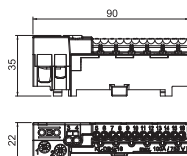
Colour

Pack. pcs	Weight kg/100 pcs.	Item No.
10	4.500	2016260

PA Polyamide

Protective conductor connection terminal with 12 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 60715 (formerly DIN EN 50022).

Neutral conductor terminal, with screwless contacts, 12 terminals



Type

KL-DBN12x02GRBL | Grey / blue

Colour

Pack. pcs	Weight kg/100 pcs.	Item No.
10	4.500	2016265

PA Polyamide

Protective conductor connection terminal with 12 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 60715 (formerly DIN EN 50022).

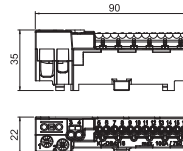
Phase terminal, with screwless contacts, 12 terminals



Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBP12x02GR	Grey	10	4.500	2016270

PA Polyamide

Phase connection terminal with 12 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points.
For snapping onto 15 mm hat rails to DIN EN 50022.



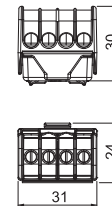
Protective conductor terminal, with screw contacts, 4 terminals



Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBS4x16GN	Green	10	1.980	2016250

PA Polyamide

Protective conductor brass connection terminal strip, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².



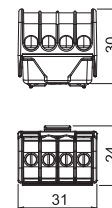
Neutral conductor terminal, with screw contacts, 4 terminals



Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBN4x16BL	Blue	10	1.980	2016255

PA Polyamide

Neutral conductor brass connection terminal, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².



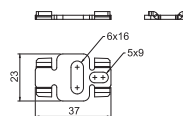
External fastening or connection



Type	Pack. pcs	Weight kg/100 pcs	Item No.
AV-S	20	0.900	2007990






V2A Stainless steel, A2

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.



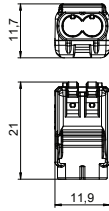


Terminal systems

	Individual connection terminals, plug-in	110
	Individual connection terminals, screw-in	112
	Connection and housing terminals	118
	Main cable junction terminals	119
	Terminal sets	120



Universal plug-in terminal, 2-pole



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 225 FL	Transparent	100	0.200	2054450

PC Polycarbonate

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 600 V

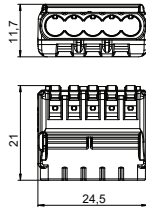
Rated current 20 A

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.

Universal plug-in terminal, 5-pole



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 525 FL	Transparent	50	0.410	2054458

PC Polycarbonate

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 600 V

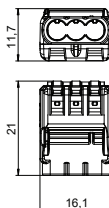
Rated current 20 A

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.

Universal plug-in terminal, 3-pole



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
61 325 FL	Transparent	75	0.270	2054454

PC Polycarbonate

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 600 V

Rated current 20 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.

Screwless terminals, 3-pole



Colour

Type

61 325 LGR | Light grey

PA Polyamide

Screwless terminal to connect single-strand cables.

Nominal cross-section:

5 x 0.5 mm² to 2.5 mm² single-wire cable5 x 1.5 mm² to 2.5 mm² rigid, multi-wire cable

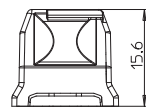
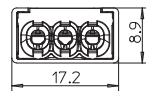
Rated voltage 450 V.

Rated current 24 A.

Stripping length: 8–9 mm.

Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Pack. Weight

pcs kg/100 pcs. **Item No.**
100 | 0.135 | **2054485**

Screwless terminals, 5-pole



Colour

Type

61 525 LGR | Light grey

PA Polyamide

Screwless terminal to connect single-strand cables.

Nominal cross-section:

5 x 0.5 mm² to 2.5 mm² single-wire cable5 x 1.5 mm² to 2.5 mm² rigid, multi-wire cable

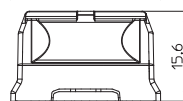
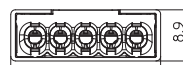
Rated voltage 450 V.

Rated current 24 A.

Stripping length: 8–9 mm.

Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Pack. Weight

pcs kg/100 pcs. **Item No.**
100 | 0.300 | **2054507**

Screwless terminals, 8-pole



Colour

Type

61 825 LGR | Light grey

PA Polyamide

Screwless terminal to connect single-strand cables.

Nominal cross-section:

8 x 0.5 mm² to 2.5 mm² single-wire cable.8 x 1.5 mm² to 2.5 mm² rigid, multi-wire cable.

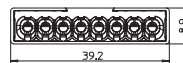
Rated voltage 450 V.

Rated current 24 A.

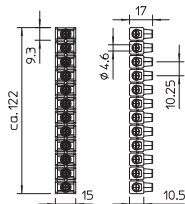
Stripping length: 8–9 mm.

Inspection opening: phase tester and testing pin (max. Ø 2 mm).

Pack. Weight

pcs kg/100 pcs. **Item No.**
50 | 0.490 | **2054523**

Dolü branch terminals, open on both sides 12 pole

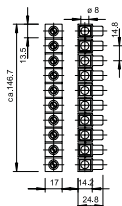


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
70 VDE (sorted)		10	2.500	2055023

PA Polyamide

* Sorted in colours black, brown, blue and yellow-green.
 Terminals made of brass, screws of steel, galvanised and transparently passivated, 12-pole, strip separable into individual terminals, open on both sides.
 Captive upwards screw.
 Nominal cross-section 2,5 mm².
 Nominal voltage 380 V.
 Nominal current 16 A.
 Max. connectable cross-sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm².

Dolü branch terminals, open on both sides 10 pole

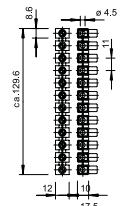


Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
71 Black		10	7.030	205503

PP Polypropylene

Terminals made of brass, screws of steel, galvanised and transparently passivated, 10-pole, strip separable into individual terminals, open on both sides.
 Captive upwards screw.
 Nominal cross-section 10 mm².
 Nominal voltage 380 V.
 Max. connectable cross-sections per terminal: 3 x 10 mm², 4 x 6 mm².

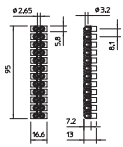
Dolü branch terminals, open on one side



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
70 S (sorted)		10	2.852	2055201

PA Polyamide

Terminals made of brass, screws of steel, galvanised and transparently passivated, 12-pole, strip separable into individual terminals, only open on one side.
 Closed on one side, captive upwards screw.
 Nominal cross-section 2,5 mm².
 Nominal voltage 250 V.
 Nominal current 24 A.
 Max. connectable cross-sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm².
 Delivery sorted by colour: 3 black, 2 blue, 3 yellow-green, 1 brown and 1 grey strip in each packaging unit.

4 mm² series connectors, polypropylene

Type	72 CE WS/EKL 0 S	72 CE SWEKL 0 S
Colour	White	Black
Box quantity pcs	500	500
Pack. pcs	10	10
Weight kg/100 pcs.	1.800	1.800
Item No.	2056070	2056089

PP Polypropylene

Tested to EN 60998.

Steel terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips using "twist'n'pull".

Captive upwards screw.

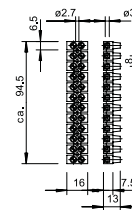
Max. approved ambient temperature to EN 60998: -5 to +80 °C.

Nominal cross-section 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.

4 mm² series connector, polyamide

Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
72 VDE/EKL 0E PA	Transparent	500	10	2.000	2055929

PA Polyamide

Brass terminals, steel screws, galvanised and blue passivated, 12-pole, individual terminals detachable.

Captive upwards screw.

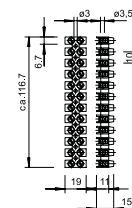
Nominal cross-section 4 mm².

Nominal voltage 450 V.

Nominal current 32 A.

Max. attachment each side: 4 mm² single-wire or 2.5 mm² multi-wire.

Maximum approved ambient temperature to EN 60998: -5 to +85 °C.

Series connectors, 4 mm², polyamide wire protection clamp

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
74 D/EKL 1BEF2 D	Transparent	10	3.680	2056178

PA Polyamide

With wire protection clamp.

Tested to EN 60998.

Brass terminals, nickel-plated, steel screws, electrogalvanised and blue passivated, 12-pole, individual terminals detachable.

Captive upwards screw.

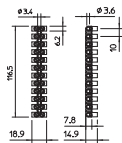
Nominal cross-section 4 mm²

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.



6 mm² series connectors, polypropylene

Type

Colour
Box quantity pcs
Pack. pcs
Weight kg/100 pcs.
Item No.

74 CE WS/EKL 1 S

White

200

10

2.600

2056224**74 CE SWEKL 1 S**

Black

200

10

2.600

2056232

PP Polypropylene

Tested to EN 60998.

Steel terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips using "twist'n'pull".
Captive upwards screw.

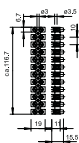
Max. approved ambient temperature to EN 60998: -5 to +80 °C.

Nominal cross-section 6 mm².

Nominal voltage 450 V.

Nominal current 41 A.

Max. attachment each side: 6 mm² single-wire or 4 mm² fine-wire.

6 mm² series connectors, polyamide

Type

Colour
Pack. pcs
Weight kg/100 pcs.
Item No.

74 VDE/EKL 1BEF2

Transparent

10

3.580

2056143

PA Polyamide

Tested to EN 60998.

Brass terminals, nickel-plated, steel screws, electrogalvanised and blue passivated, 12-pole, individual terminals detachable.

Captive upwards screw.

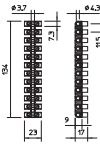
Nominal cross-section 6 mm²

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
Box quantity pcs
Pack. pcs
Weight kg/100 pcs.
Item No.

76 CE WS/EKL 2 S
White
100
10
4.300
2056372

76 CE SWEKL 2 S
Black
100
10
4.300
2056380

PP Polypropylene

Tested to EN 60998.

Steel terminals, steel screws, electrogalvanised, 12-pole, individual terminals detachable from strips using "twist'n'pull".

Captive upwards screw.

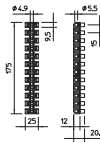
Max. approved ambient temperature to EN 60998: -5 to +80 °C.

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
Box quantity pcs
Pack. pcs
Weight kg/100 pcs.
Item No.

78 CE WS/EKL 3 S
White
100
10
7.500
2056550

78 CE SWEKL 3 S
Black
100
10
7.500
2056569

PP Polypropylene

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.

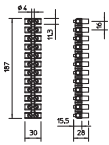
Nominal voltage 450 V.

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



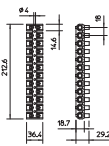
Type
 Colour
 Box quantity pcs
 Pack. pcs
 Weight kg/100 pcs.
Item No.

79 CE WS/EKL 4BE	79 CE SW/EKL 4BE
White	Black
50	50
10	10
11.200	11.200
2056577	2056585

PP Polypropylene

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.

35 mm² series connectors, polypropylene



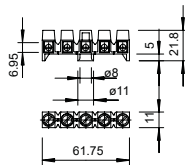
Type
 Colour
 Box quantity pcs
 Pack. pcs
 Weight kg/100 pcs.
Item No.

80 CE WS/EKL 5E	80 CE SW/EKL 5E
White	Black
50	50
10	10
17.400	17.400
2056590	2056593

PP Polypropylene

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.

Terminal strip 2.5 mm²



Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
689	Light grey	5	0.8 - 2.5	660	50	1.502	2017342

PA Polyamide

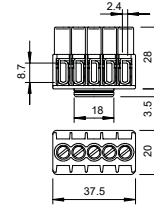
Terminal strip, nickel-plated brass, steel screws, galvanised and transparently passivated, nominal cross-section 0.8 - 2.5 mm², nominal voltage 660 V, 5-pole, with terminal sockets, max. connectable cross-sections per terminal: 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm², unnecessary poles can be cut off and used as individual terminals.

Terminal strip 1–4 mm², junction box, T series

Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 01-04	Light grey	5	1 - 4	400	10	2.100	2016180

PA Polyamide

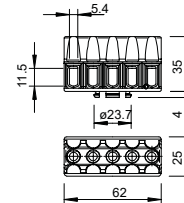
Steel terminal block and bolts, galvanised and transparently passivated, nominal 1 - 4 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal max. 4 x 2.5 mm², 5 x 1.5 mm² or 6 x 1 mm².

Terminal strip 1.5–6 mm², junction box, T series

Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 02-06	Light grey	5	1.5 - 6	400	10	4.380	2016185

PA Polyamide

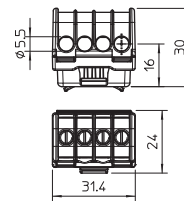
Steel terminal block and bolts, galvanised and transparently passivated, nominal 1.5 - 6 mm², nominal voltage 400 V, 5-pole, with terminal sockets, Max. connectable cross-sections per terminal: 3 x 6 mm², 4 x 4 mm² or 6 x 2.5 mm².

Terminal strip 6–16 mm², junction box, T series

Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 06-16	Light grey	4	6 - 16	400	10	1.970	2016190

PA Polyamide

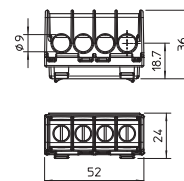
Brass terminals, steel screws, electrogalvanised and transparently passivated, nominal cross-section 6 - 16 mm², nominal voltage 400 V, 1-pole, with terminal sockets, Max. connectable conductors per terminal max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².

Terminal strip 16–35 mm², junction box, T series

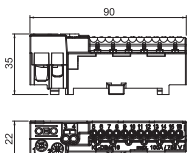
Type	Colour	No. of terminals	Nominal cross-section mm ²	Nom. voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
KL-T 16-35	Light grey	4	16 - 35	400	10	5.630	2016195

PA Polyamide

Brass terminals, steel screws, electrogalvanised and transparently passivated, nominal cross-section 16 - 35 mm², nominal voltage 400 V, 1-pole, with terminal sockets, Max. connectable conductors per terminal max. 4 x 35 mm², 4 x 25 mm², 8x16 mm² or 12 x 10 mm².



Protective conductor terminal, with screwless contacts, 12 terminals

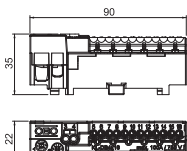


Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBS12x02GRGN	Grey / green	10	4.500	2016260

PA Polyamide

Protective conductor connection terminal with 12 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 60715 (formerly DIN EN 50022).

Neutral conductor terminal, with screwless contacts, 12 terminals

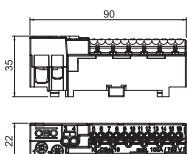


Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBN12x02GRBL	Grey / blue	10	4.500	2016265

PA Polyamide

Neutral conductor connection terminal with twelve 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 60715 (formerly DIN EN 50022).

Phase terminal, with screwless contacts, 12 terminals

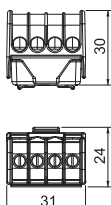


Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBP12x02GR	Grey	10	4.500	2016270

PA Polyamide

Phase connection terminal with 12 2.5 mm² screwless terminal points; two 4 mm² screwless terminal points and two 16/25 mm² screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 50022.

Protective conductor terminal, with screw contacts, 4 terminals

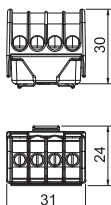


Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBS4x16GN	Green	10	1.980	2016250

PA Polyamide

Protective conductor brass connection terminal strip, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².

Neutral conductor terminal, with screw contacts, 4 terminals



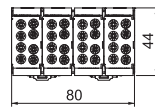
Type	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
KL-DBN4x16BL	Blue	10	1.980	2016255

PA Polyamide

Neutral conductor brass connection terminal, 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 max. 4 x 16 mm², 4 x 10 mm², 8x6 mm² or 12 x 4 mm².

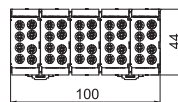
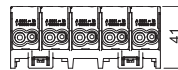
Main branch terminal, 4-pole

Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HЛАK 4-8x16	25	4	4	1	19.200	2009032



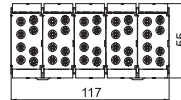
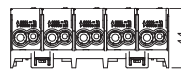
Main branch terminal, 5-pole

Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HЛАK 5-10x16	25	4	5	1	23.100	2009036



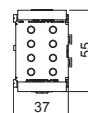
Main branch terminal, 5-pole

Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HЛАK 5-10x25	35	4	5	1	38.100	2009038

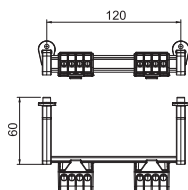


Main branch terminal, 1-pole

Type	Max. conductor cross-section mm ²	Number of screwless terminals per pole	Pole number	Pack. pcs	Weight kg/100 pcs.	Item No.
HЛАK 1-2x35 GR	70	4	1	1	11.600	2009042
HЛАK 1-2x35 GRGN	70	4	1	1	11.600	2009044
HЛАK 1-2x35 GRBL	70	4	1	1	11.600	2009046



Terminal strip set with screw terminals for SDB 03



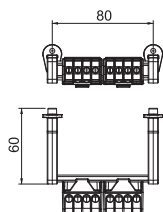
Type	Number of screwless terminals per pole	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KLS-SDB 03	4	1	7.990	2008880

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 03... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal

Terminal strip set with screw terminals for SDB 05



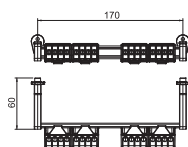
Type	Number of screwless terminals per pole	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KLS-SDB 05	4	1	7.290	2008884

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 05... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal

Terminal strip set with screw terminals for SDB 09



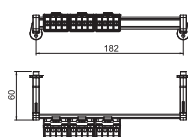
Type	Number of screwless terminals per pole	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KLS-SDB 09	8	1	8.890	2008888

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 09... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal

Terminal strip set with screw terminals for SDB 12



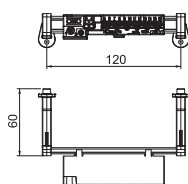
Type	Number of screwless terminals per pole	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KLS-SDB 12	12	1	9.090	2008892

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip empty small distributors of the SDB 12... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm² protective conductor terminal; 16 mm² neutral conductor terminal

Terminal strip set with screwless terminals for SDB 03



Type	Number of screwless terminals per pole	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
KLS-SDB 03S	4	1	13.830	2008910

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 03... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals

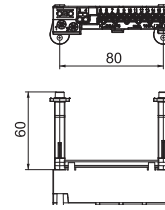
Terminal strip set with screwless terminals for SDB 05

Type	Pack.		Weight		Item No.
	pcs	kg/100 pcs.	pcs	kg/100 pcs.	
KLS-SDB 05S	1	13.130			2008914

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 05... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals



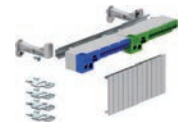
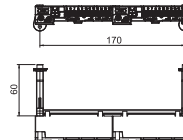
Terminal strip set with screwless terminals for SDB 09

Type	Pack.		Weight		Item No.
	pcs	kg/100 pcs.	pcs	kg/100 pcs.	
KLS-SDB 09S	1	14.730			2008918

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 09... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals



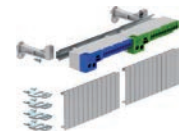
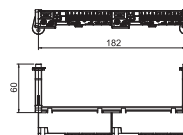
Terminal strip set with screwless terminals for SDB 12

Type	Pack.		Weight		Item No.
	pcs	kg/100 pcs.	pcs	kg/100 pcs.	
KLS-SDB 12S	1	14.180			2008922

Terminal strip set for the small distributors of the SDB series. The sets can be used to expand and equip the empty small distributors of the SDB 12... type series.

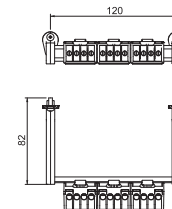
The terminal strip set with screwless terminals contains:

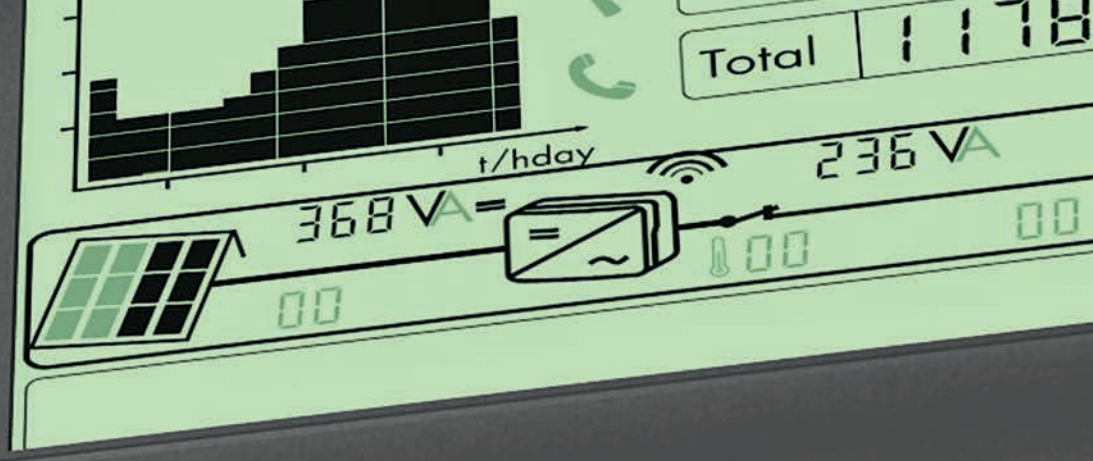
Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm² screw terminals and 2x 4 mm² and 12x 2.5 mm² screwless terminals



Terminal strip set for X series







Type	Nominal cross-section mm ²		Pole number	Number of screwless terminals per pole	Pack.		Item No.
	mm ²	mm ²			pcs	kg/100 pcs.	
KL-X10 06-16	6 - 16	16	5	4	1	17.600	2008931
KL-X16 06-16	6 - 16	16	5	4	1	14.500	2008935
KL-X25 16-35	16 - 35	35	5	4	1	37.500	2008939







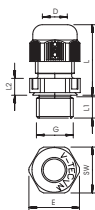
Cable gland systems, plastic

	Cap nut cable gland	124
	Accessories, plastic cap nut gland	142
	Cone cable gland	144
	Special cable glands	145
	Cable gland system accessories	150
	Cable entry	156



VBS_Typ 0A / en / 2019/05/21 15:42:50 15:42:50 (LLE:export_02463) / 2019/05/21 15:43:10 15:43:10

Cable gland, metric thread, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12 LGR	Light grey	50	0.318	2022862
V-TEC VM16 LGR	Light grey	50	0.638	2022864
V-TEC VM20 LGR	Light grey	50	0.856	2022866
V-TEC VM25 LGR	Light grey	25	1.360	2022868
V-TEC VM32 LGR	Light grey	20	2.235	2022870
V-TEC VM40 LGR	Light grey	10	3.467	2022872
V-TEC VM50 LGR	Light grey	5	5.466	2022874
V-TEC VM63 LGR	Light grey	5	8.306	2022876

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. Strain relief and tightness have been tested to DIN EN 62444.

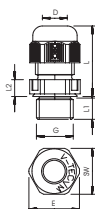
The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.

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	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension 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

Cable gland, metric thread, silver grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12 SGR	Silver grey	50	0.318	2022843
V-TEC VM16 SGR	Silver grey	50	0.638	2022845
V-TEC VM20 SGR	Silver grey	50	0.856	2022847
V-TEC VM25 SGR	Silver grey	25	1.360	2022849
V-TEC VM32 SGR	Silver grey	20	2.230	2022851
V-TEC VM40 SGR	Silver grey	10	3.467	2022853
V-TEC VM50 SGR	Silver grey	5	5.466	2022855
V-TEC VM63 SGR	Silver grey	5	8.306	2022857

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Installation torque Nm
V-TEC VM12 SGR	M12 x 1,5	3.5 - 7	15	16.5	18.5	23.5	8	5	2
V-TEC VM16 SGR	M16 x 1,5	4.5 - 10	20	22	21.5	29	8	5	2.5
V-TEC VM20 SGR	M20 x 1,5	6 - 13	24	27	23.5	30.5	10	6	3.8
V-TEC VM25 SGR	M25 x 1,5	9 - 17	29	32	26	35	10	6	5
V-TEC VM32 SGR	M32 x 1,5	15 - 21	36	41	29	40	11	6	7.5
V-TEC VM40 SGR	M40 x 1,5	16 - 28	44	50	36	46	11	7	10
V-TEC VM50 SGR	M50 x 1,5	23 - 35	54	60	43	52	12	8	12
V-TEC VM63 SGR	M63 x 1,5	36 - 48	67	75	48	60	12	9	15

Cable gland, metric thread, black



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12 SW	Black	50	0.318	2022883
V-TEC VM16 SW	Black	50	0.638	2022885
V-TEC VM20 SW	Black	50	0.856	2022887
V-TEC VM25 SW	Black	25	1.360	2022889
V-TEC VM32 SW	Black	20	2.230	2022891
V-TEC VM40 SW	Black	10	3.467	2022893
V-TEC VM50 SW	Black	5	5.466	2022895
V-TEC VM63 SW	Black	5	8.306	2022897

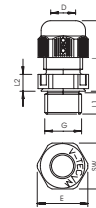
PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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.

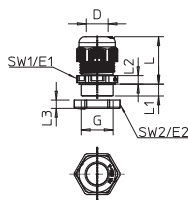


Type	Thread	Sealing range D mm	SW mm	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Installation torque Nm
V-TEC VM12 SW	M12 x 1,5	3,5 - 7	15	16,5	18,5	23,5	8	5	2
V-TEC VM16 SW	M16 x 1,5	4,5 - 10	20	22	21,5	29	8	5	2
V-TEC VM20 SW	M20 x 1,5	6 - 13	24	27	23,5	30,5	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

Dimensions



Cable gland, metric thread, set with locknut, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12+ LGR	Light grey	50	0.337	2022762
V-TEC VM16+ LGR	Light grey	50	0.795	2022764
V-TEC VM20+ LGR	Light grey	50	1.106	2022766
V-TEC VM25+ LGR	Light grey	25	1.710	2022768
V-TEC VM32+ LGR	Light grey	20	2.840	2022770
V-TEC VM40+ LGR	Light grey	10	5.150	2022772
V-TEC VM50+ LGR	Light grey	5	6.356	2022774
V-TEC VM63+ LGR	Light grey	5	10.136	2022776

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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.

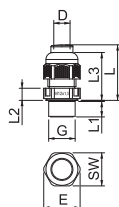
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.

Dimensions

Type	Thread	Sealing range D mm	SW 1 mm	Dim. E1 mm	Dim. E2 mm	Dim. L min. mm	Dim. L max. mm	Dim. L1 mm	Dim. L2 mm	Dimen- sion L3 mm	Instal- lation torque Nm
V-TEC VM12+ LGR	M12 x 1,5	3.5 - 7	15	16.5	19	18.5	23.5	8	5	5	2
V-TEC VM16+ LGR	M16 x 1,5	4.5 - 10	20	22	25	21.5	23.5	8	5	5	2
V-TEC VM20+ LGR	M20 x 1,5	6 - 13	24	27	27	23.5	30.5	9	5	6	3.8
V-TEC VM25+ LGR	M25 x 1,5	9 - 17	29	32	36	26	35	10	6	6.5	5
V-TEC VM32+ LGR	M32 x 1,5	15 - 21	36	41	46	29	40	11	6	7	7.5
V-TEC VM40+ LGR	M40 x 1,5	16 - 28	44	50	56	36	46	11	7	7.5	10
V-TEC VM50+ LGR	M50 x 1,5	23 - 35	54	60	68	43	52	12	8	8	12
V-TEC VM63+ LGR	M63 x 1,5	36 - 48	68	75	83	48	60	12	9	8.5	15

Plastic cap nut cable glands with screw plug, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12VS LGR	Light grey	50	0.360	2023040
V-TEC VM16VS LGR	Light grey	50	0.730	2023042
V-TEC VM20VS LGR	Light grey	50	0.990	2023044
V-TEC VM25VS LGR	Light grey	25	1.550	2023046
V-TEC VM32VS LGR	Light grey	20	2.480	2023048

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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	Dimen- sion 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

Cable gland, metric thread with multi-way seal insert, light grey

IP
68

M

Power
Cable
Management

DVE

Colour

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM20 2x4	Light grey	50	0.860	2022110
V-TEC VM20 4x5	Light grey	50	0.860	2022112
V-TEC VM20 2x6	Light grey	50	0.860	2022114
V-TEC VM25 5x4	Light grey	25	1.360	2022120
V-TEC VM25 3x6	Light grey	25	1.360	2022122
V-TEC VM25 2x6	Light grey	25	1.360	2022124
V-TEC VM25 3x7	Light grey	25	1.360	2022126
V-TEC VM25 2x8	Light grey	25	1.360	2022128
V-TEC VM32 2x8	Light grey	20	2.240	2022136
V-TEC VM32 4x8	Light grey	20	2.240	2022138

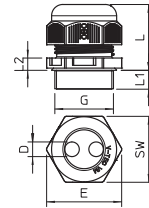
PA Polyamide

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Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.

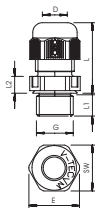


Dimensions

Type	Thread	SW mm	Dimen- sion E mm	Dimension L min. mm	Dimension L max. mm	Dimen- sion L1 mm	Dimen- sion L2 mm
V-TEC VM20 2x4	M20 x 1,5	24	27	23.5	30.5	10	6
V-TEC VM20 4x5	M20 x 1,5	24	27	23.5	30.5	10	6
V-TEC VM20 2x6	M20 x 1,5	24	27	23.5	30.5	10	6
V-TEC VM25 5x4	M25 x 1,5	29	32	26	35	10	6
V-TEC VM25 3x6	M25 x 1,5	29	32	26	35	10	6
V-TEC VM25 2x6	M25 x 1,5	29	32	26	35	10	6
V-TEC VM25 3x7	M25 x 1,5	29	32	26	35	10	6
V-TEC VM25 2x8	M25 x 1,5	29	32	26	35	10	6
V-TEC VM32 2x8	M32 x 1,5	36	41	29	40	11	6
V-TEC VM32 4x8	M32 x 1,5	36	41	29	40	11	6



Cable gland, metric thread, UV-resistant, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12UV LGR	Light grey	50	0.319	2022900
V-TEC VM16UV LGR	Light grey	50	0.590	2022901
V-TEC VM20UV LGR	Light grey	50	0.590	2022902
V-TEC VM25UV LGR	Light grey	25	1.360	2022903
V-TEC VM32UV LGR	Light grey	20	2.235	2022904
V-TEC VM40UV LGR	Light grey	10	3.496	2022905
V-TEC VM50UV LGR	Light grey	5	5.480	2022906
V-TEC VM63UV LGR	Light grey	5	8.328	2022907

PA Polyamide

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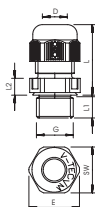
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.

Dimensions

Type	Sealing range D mm	SW mm	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm
V-TEC VM12UV LGR	3.5 - 7	15	16.5	18.5	23.5	8	5
V-TEC VM16UV LGR	4.5 - 10	20	22	21.5	23.5	8	5
V-TEC VM20UV LGR	6 - 13	24	27	23.5	30.5	9	5
V-TEC VM25UV LGR	9 - 17	29	32	26	35	10	6
V-TEC VM32UV LGR	15 - 21	36	41	29	40	11	6
V-TEC VM40UV LGR	16 - 28	44	50	36	46	11	7
V-TEC VM50UV LGR	23 - 35	54	54	43	52	12	8
V-TEC VM63UV LGR	36 - 48	67	75	48	60	12	9

Cap nut cable glands V-TEC M, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC M KA M20NL	Light grey	50	1.380	2024880

PA Polyamide

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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	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Dimension L3 mm
V-TEC M KA M20NL	M20 x 1,5	7 - 14	27	25	33	7	6	19

Cap nut cable glands V-TEC M, pure white



Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM20 RW	M20 x 1,5	Pure white	50	0.856	2022804

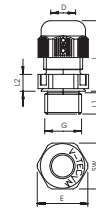
PA Polyamide

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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.



Cap nut cable glands V-TEC M, light grey



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC M12 LGR	Light grey	50	0.360	2022338
V-TEC M16 LGR	Light grey	50	0.630	2022346
V-TEC M20 LGR	Light grey	50	1.000	2022354
V-TEC M25 LGR	Light grey	25	2.350	2022362
V-TEC M32 LGR	Light grey	20	3.900	2022370
V-TEC M40 LGR	Light grey	10	7.500	2022397
V-TEC M50 LGR	Light grey	5	9.200	2022486
V-TEC M63 LGR	Light grey	5	9.660	2022494

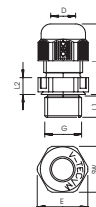
PA Polyamide

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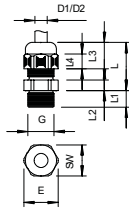
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.



Type	Thread	Sealing range D mm	SW mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Dimension L3 mm
V-TEC M12 LGR	M12 x 1,5	2,5 - 6,5	15	18	23	8	5	12,6
V-TEC M16 LGR	M16 x 1,5	2,5 - 8	19	21	27	8	5	15,5
V-TEC M20 LGR	M20 x 1,5	5 - 12	24	23	30	9	5	18
V-TEC M25 LGR	M25 x 1,5	9 - 18	33	28	38	11	6	22
V-TEC M32 LGR	M32 x 1,5	14 - 25	42	32	43	11	7	24,5
V-TEC M40 LGR	M40 x 1,5	18 - 32	53	39	54	18	8	31
V-TEC M50 LGR	M50 x 1,5	24 - 38	60	42	57	18	9	32,5
V-TEC M63 LGR	M63 x 1,5	30 - 44	65	42	58	18	9	33

Cap nut cable glands V-TEC PG, signal white



Type	Thread	Colour	Pack. Weight		Item No.
			pcs	kg/100 pcs.	
V-TEC PG11 RW	PG 11	Pure white	50	0.890	2022575
V-TEC PG16 RW	PG 16	Pure white	25	1.380	2022579

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. Strain relief and tightness have been tested to DIN EN 62444.

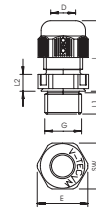
The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.

Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.



Cable gland, long metric thread



Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. Strain relief and tightness have been tested to DIN EN 62444.

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Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

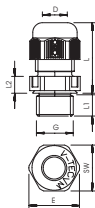
Temperature range: -20 °C to +65 °C.

Type	Thread	Sealing range D mm	SW mm	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Installation torque Nm
V-TEC VM L12 LGR	M12x1,5	3,5 - 7	15	16,5	17,5	24	15	12	2
V-TEC VM L16 LGR	M16x1,5	4,5 - 10	20	22	20,5	29,5	15	15,5	2,5
V-TEC VM L20 LGR	M20x1,5	6 - 13	24	27	22,5	32,5	15	17,5	3,75
V-TEC VM L25 LGR	M25x1,5	9 - 17	29	32	25,5	36	15	19,5	5
V-TEC VM L32 LGR	M32x1,5	15 - 21	36	41	28	40	15	22	7,5
V-TEC VM L40 LGR	M40x1,5	16 - 28	44	50	32	46	18	25	10
V-TEC VM L50 LGR	M50x1,5	23 - 35	54	60	37,5	54,3	18	29,5	12
V-TEC VM L63 LGR	M63x1,5	36 - 48	68	75	41,5	60,3	18	32,5	12

Dimensions



Cable gland, long metric thread, silver grey



Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM L12 SGR	Silver grey	500	50	0.392	2022921
V-TEC VM L16 SGR	Silver grey	500	50	0.727	2022924
V-TEC VM L20 SGR	Silver grey	600	50	0.883	2022926
V-TEC VM L25 SGR	Silver grey	300	25	1.597	2022928
V-TEC VM L32 SGR	Silver grey	240	20	2.047	2022930
V-TEC VM L40 SGR	Silver grey	120	10	3.168	2022933
V-TEC VM L50 SGR	Silver grey	60	5	5.010	2022935
V-TEC VM L63 SGR	Silver grey	60	5	7.390	2022937

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. Strain relief and tightness have been tested to DIN EN 62444.

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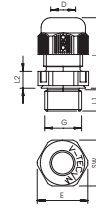
Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.

Dimensions

Type	Thread	Sealing range		Dimension E	Dimension L min.	Dimension L max.	Dimension L1	Dimension L2	Installation torque
		D mm	SW mm						
V-TEC VM L12 SGR	M12 x 1,5	3.5 - 7	15	16.5	17.5	24	15	5	2
V-TEC VM L16 SGR	M16 x 1,5	4.5 - 10	20	22	20.5	29.5	15	5	2.5
V-TEC VM L20 SGR	M20 x 1,5	6 - 13	24	27	22.5	32.5	15	5	3.75
V-TEC VM L25 SGR	M25 x 1,5	9 - 17	29	32	25.5	36	15	6	5
V-TEC VM L32 SGR	M32 x 1,5	15 - 21	36	41	28	40	15	6	7.5
V-TEC VM L40 SGR	M40x1,5	16 - 28	44	50	32	46	18	7	10
V-TEC VM L50 SGR	M50x1,5	23 - 35	54	60	37.5	54.3	18	8	12
V-TEC VM L63 SGR	M63x1,5	36 - 48	68	75	41.5	60.3	18	9	12

Cable gland, long metric thread, black



Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

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Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

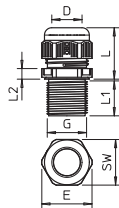
Temperature range: -20 °C to +65 °C.

Dimensions

Type	Thread	Sealing range D mm	SW mm	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm	Installation torque Nm
V-TEC VM L12 SW	M12x1,5	3.5 - 7	15	16.5	17.5	24	15	12	2
V-TEC VM L16 SW	M16x1,5	4.5 - 10	20	22	20.5	29.5	15	15.5	2.5
V-TEC VM L20 SW	M20x1,5	6 - 13	24	27	22.5	32.5	15	17.5	3.75
V-TEC VM L25 SW	M25x1,5	9 - 17	29	32	25.5	36	15	19.5	5
V-TEC VM L32 SW	M32x1,5	15 - 21	36	41	28	40	15	22	7.5
V-TEC VM L40 SW	M40x1,5	16 - 28	44	50	32	46	18	25	10
V-TEC VM L50 SW	M50x1,5	23 - 35	54	60	37.5	54.3	18	29.5	12
V-TEC VM L63 SW	M63x1,5	36 - 48	68	75	41.5	60.3	18	32.5	12



Cable gland, metric thread, extra long, black



Type	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

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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	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension 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

Divisible cable gland, seal insert enclosed, light grey

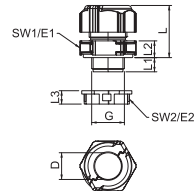


Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC TB20	M20x1,5	Light grey	50	5	2.236	2024940
V-TEC TB25	M25x1,5	Light grey	50	5	3.440	2024910
V-TEC TB32	M32x1,5	Light grey	60	5	7.756	2024970

PC Polycarbonate

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	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm
V-TEC TB20	33.5	24.5	30.5	10	8.5

Divisible cable gland, seal insert, 1 cable, light grey

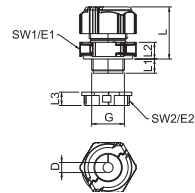


Type	Thread	Colour	Sealing range D mm	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC TB20 06-08	M20x1,5	Light grey	6 - 8	50	5	2.133	2024942
V-TEC TB20 08-10	M20x1,5	Light grey	8 - 10.5	50	5	2.063	2024944
V-TEC TB20 09-13	M20x1,5	Light grey	9 - 13	50	5	1.973	2024946
V-TEC TB20 11-14	M20x1,5	Light grey	11.5 - 14.5	50	5	1.853	2024948
V-TEC TB25 06-09	M25x1,5	Light grey	6 - 7.5	50	5	2.900	2024912
V-TEC TB25 09-11	M25x1,5	Light grey	9 - 11	50	5	2.900	2024913
V-TEC TB25 11-13	M25x1,5	Light grey	11 - 13	50	5	3.110	2024916
V-TEC TB25 12-15	M25x1,5	Light grey	12 - 15	50	5	2.980	2024919
V-TEC TB25 14-18	M25x1,5	Light grey	14 - 18	50	5	2.510	2024922
V-TEC TB25 18-20	M25x1,5	Light grey	18 - 20	50	5	2.290	2024925
V-TEC TB32 09-13	M32x1,5	Light grey	9 - 13	60	5	7.416	2024972
V-TEC TB32 11-15	M32x1,5	Light grey	11.5 - 15.5	60	5	7.246	2024974
V-TEC TB32 14-18	M32x1,5	Light grey	14 - 18	60	5	7.069	2024976
V-TEC TB32 17-20	M32x1,5	Light grey	17 - 20.5	60	5	7.156	2024978
V-TEC TB32 20-25	M32x1,5	Light grey	20 - 25	60	5	6.396	2024980
V-TEC TB32 24-26	M32x1,5	Light grey	24 - 26.5	60	5	6.026	2024982

PC Polycarbonate

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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.

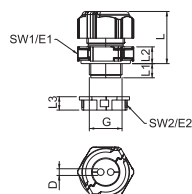


Dimensions

Type	Sealing range D mm	SW 1 mm	SW 2 mm	Dimension L1 mm	Dimension L2 mm	Dimension 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



Separable cable gland, sealing insert, multiple, light grey



Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC TB20 2x4	M20x1,5	Light grey	50	5	2.187	2024950
V-TEC TB20 2x5	M20x1,5	Light grey	50	5	2.153	2024952
V-TEC TB20 2x6	M20x1,5	Light grey	50	5	2.113	2024954
V-TEC TB20 4x4	M20x1,5	Light grey	50	5	2.123	2024956
V-TEC TB20 6x4	M20x1,5	Light grey	50	5	2.083	2024958
V-TEC TB25 3x7	M25x1,5	Light grey	50	5	2.449	2024927
V-TEC TB25 3x9	M25x1,5	Light grey	50	5	2.640	2024928
V-TEC TB25 4x5	M25x1,5	Light grey	50	5	2.539	2024929
V-TEC TB25 4x6	M25x1,5	Light grey	50	5	2.439	2024930
V-TEC TB25 4x8	M25x1,5	Light grey	50	5	2.950	2024931
V-TEC TB32 2x11	M32x1,5	Light grey	60	5	7.196	2024984
V-TEC TB32 3x9	M32x1,5	Light grey	60	5	7.196	2024986
V-TEC TB32 3x11	M32x1,5	Light grey	60	5	7.196	2024988
V-TEC TB32 4x8	M32x1,5	Light grey	60	5	7.211	2024990
V-TEC TB32 6x6	M32x1,5	Light grey	60	5	7.284	2024992

PC Polycarbonate

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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	Dimension D mm	SW mm	Dimension E mm	Dimension L min. mm	Dimension L max. mm	Dimension L1 mm	Dimension L2 mm
V-TEC TB20 2x4	4	30	33.5	24.5	30.5	10	8.5
V-TEC TB20 2x5	5	30	33.5	24.5	30.5	10	8.5
V-TEC TB20 2x6	6	30	33.5	24.5	30.5	10	8.5
V-TEC TB20 4x4	4	30	33.5	24.5	30.5	10	8.5
V-TEC TB20 6x4	4	30	33.5	24.5	30.5	10	8.5

Cable gland, PG thread, silver grey



Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC PG7 SGR	Pg 7	Silver grey	500	50	0.410	2022605
V-TEC PG9 SGR	Pg 9	Silver grey	500	50	0.630	2022613
V-TEC PG11 SGR	Pg 11	Silver grey	500	50	0.890	2022621
V-TEC PG13.5 SGR	Pg 13,5	Silver grey	400	50	1.020	2022648
V-TEC PG16 SGR	Pg 16	Silver grey	250	25	1.380	2022656
V-TEC PG21 SGR	Pg 21	Silver grey	300	25	2.290	2022664
V-TEC PG29 SGR	Pg 29	Silver grey	240	20	4.020	2022672
V-TEC PG36 SGR	Pg 36	Silver grey	120	10	6.040	2022680
V-TEC PG42 SGR	Pg 42	Silver grey	60	5	7.650	2022699
V-TEC PG48 SGR	Pg 48	Silver grey	60	5	9.460	2022702

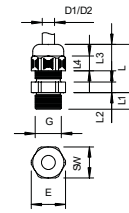
PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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.



Cable gland, PG thread, light grey



Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC PG7 LGR	Pg 7	Light grey	500	50	0.410	2024705
V-TEC PG9 LGR	Pg 9	Light grey	500	50	0.630	2024713
V-TEC PG11 LGR	Pg 11	Light grey	500	50	0.890	2024721
V-TEC PG13 LGR	Pg 13,5	Light grey	400	50	1.020	2024748
V-TEC PG16 LGR	Pg 16	Light grey	250	25	1.380	2024756
V-TEC PG21 LGR	Pg 21	Light grey	300	25	2.290	2024764
V-TEC PG29 LGR	Pg 29	Light grey	240	20	4.020	2024772
V-TEC PG36 LGR	Pg 36	Light grey	120	10	6.030	2024780
V-TEC PG42 LGR	Pg 42	Light grey	60	5	7.650	2024799
V-TEC PG48 LGR	Pg 48	Light grey	60	5	9.460	2024802

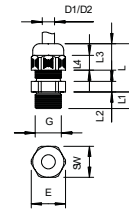
PA Polyamide

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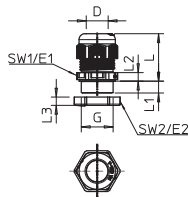
The connecting threads of the cable glands are metric or PG and are therefore suitable for universal use. Once screwed in place, the installation is there forever, as the optimum thread adjustment with the right pitch ensures permanent resistance to shaking.

Applications: From private housing with junction boxes up to industrial applications in the distributor cabinet.

Temperature range: -20 °C to +65 °C.



Cable gland, PG thread, set with locknut, light grey



Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC PG7+ LGR	Pg 7	Light grey	600	50	0.503	2024655
V-TEC PG9+ LGR	Pg 9	Light grey	500	50	0.799	2024657
V-TEC PG11+ LGR	Pg 11	Light grey	500	50	1.074	2024659
V-TEC PG13,5+LGR	Pg 13,5	Light grey	400	50	1.276	2024661
V-TEC PG16+ LGR	Pg 16	Light grey	250	25	1.705	2024663
V-TEC PG21+ LGR	Pg 21	Light grey	300	25	2.756	2024665
V-TEC PG29+ LGR	Pg 29	Light grey	240	20	5.120	2024667
V-TEC PG36+ LGR	Pg 36	Light grey	120	10	7.713	2024669
V-TEC PG42+ LGR	Pg 42	Light grey	60	5	9.406	2024671
V-TEC PG48+ LGR	Pg 48	Light grey	60	5	11.290	2024673

PA Polyamide

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. With the integrated sealing lip and the special OBO slat technology, protection class IP68 is achieved. 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.

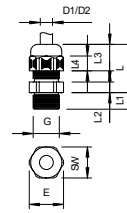
Temperature range: -20 °C to +65 °C.

Cable gland, long PG thread, silver grey



Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC L PG9 SGR	Pg 9	Silver grey	500	50	0.670	2024187
V-TEC L PG11 SGR	Pg 11	Silver grey	500	50	0.930	2024195
V-TEC L PG13 SGR	Pg 13,5	Silver grey	600	50	1.090	2024209
V-TEC L PG16 SGR	Pg 16	Silver grey	250	25	1.490	2024217
V-TEC L PG21 SGR	Pg 21	Silver grey	300	25	2.330	2024225
V-TEC L PG29 SGR	Pg 29	Silver grey	240	20	3.860	2024233
V-TEC L PG36 SGR	Pg 36	Silver grey	120	10	7.750	2024241

PA Polyamide

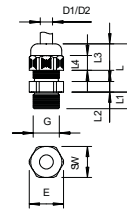


Cable gland, long PG thread, light grey

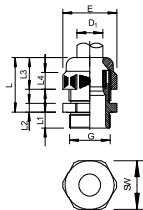


Type	Thread	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC L PG7 LGR	Pg 7	Light grey	500	50	0.410	2024284
V-TEC L PG9 LGR	Pg 9	Light grey	500	50	0.670	2024292
V-TEC L PG11 LGR	Pg 11	Light grey	500	50	0.930	2024306
V-TEC L PG13 LGR	Pg 13,5	Light grey	600	50	1.090	2024314
V-TEC L PG16 LGR	Pg 16	Light grey	250	25	1.490	2024322
V-TEC L PG21 LGR	Pg 21	Light grey	300	25	2.330	2024330
V-TEC L PG29 LGR	Pg 29	Light grey	240	20	3.860	2024349
V-TEC L PG36 LGR	Pg 36	Light grey	120	10	7.750	2024357
V-TEC L PG42 LGR	Pg 42	Light grey	60	5	10.070	2024365

PA Polyamide



Cable gland, EX area, metric thread



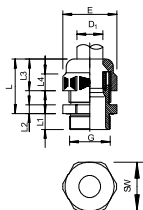
Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VTEC EX M12 SW	M12 x 1,5	Black	50	0.360	2050307
VTEC EX M16 SW	M16 x 1,5	Black	50	0.630	2050315
VTEC EX M20 SW	M20 x 1,5	Black	50	1.000	2050323
VTEC EX M25 SW	M25 x 1,5	Black	25	2.350	2050331
VTEC EX M32 SW	M32 x 1,5	Black	20	3.900	2050358
VTEC EX M40 SW	M40 x 1,5	Black	10	7.500	2050366
VTEC EX M50 SW	M50 x 1,5	Black	5	9.200	2050374
VTEC EX M63 SW	M63 x 1,5	Black	5	9.460	2050382

PA Polyamide

Dimensions

G	D1 mm	WAF mm	E mm	L min. mm	L max. mm	L1 mm	L2 mm	L3 mm
M12 x 1.5	3.5 - 6.5	15	16.5	18	23	8	5	12.6
M16 x 1.5	5 - 8	19	21	21	27	8	5	15.5
M20 x 1.5	7 - 12	24	27	23	30	9	5	18
M25 x 1.5	12 - 18	33	37.5	28	38	11	6	22
M32 x 1.5	17 - 25	42	47.5	32	43	11	7	24.5
M40 x 1.5	21 - 32	53	60	39	54	13	8	31
M50 x 1.5	24 - 37	60	68.5	42	57	13	9	32.5
M63 x 1.5	30 - 44	65	74	42	58	14	9	33

Cable gland, EX area, PG thread



Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VTEC EX PG7 SW	Pg 7	Black	50	0.410	2050005
VTEC EX PG9 SW	Pg 9	Black	50	0.630	2050013
VTEC EX PG11 SW	Pg 11	Black	50	0.890	2050021
VTEC EX PG13.5SW	Pg 13,5	Black	50	1.020	2050048
VTEC EX PG16 SW	Pg 16	Black	25	1.380	2050056
VTEC EX PG21 SW	Pg 21	Black	25	2.290	2050064
VTEC EX PG29 SW	Pg 29	Black	20	4.020	2050072
VTEC EX PG36 SW	Pg 36	Black	10	6.030	2050080
VTEC EX PG42 SW	Pg 42	Black	5	7.650	2050099
VTEC EX PG48 SW	Pg 48	Black	5	9.460	2050102

PA Polyamide

Dimensions

G	D1 mm	WAF mm	E mm	L min. mm	L max. mm	L1 mm	L2 mm	L3 mm
Pg 7	3.5 - 6.5	15	16.5	18	23	8	5	12.6
Pg 9	5 - 8	19	21	21	27	8	5	17
Pg 11	4.5 - 10	22	25	22	29	8	5	17
Pg 13.5	6.5 - 12	24	27	23	30	9	5	18
Pg 16	7 - 14	27	30	25	33	10	6	19
Pg 21	12 - 18	33	37.5	28	38	11	6	22
Pg 29	17 - 25	42	47.5	32	43	11	7	24.5
Pg 36	21 - 32	53	60	39	54	13	8	31
Pg 42	24 - 38	60	68.5	42	57	13	9	32.5
Pg 48	30 - 44	65	74	42	58	14	9	33

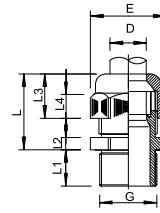
Cable gland, EX area, long PG thread



Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VTEC EXL PG9 SW	Pg 9	Black	50	0.670	2050145
VTEC EXL PG11 SW	Pg 11	Black	50	0.930	2050153
VTEC EXL PG13 SW	Pg 13,5	Black	50	1.090	2050161
VTEC EXL PG16 SW	Pg 16	Black	25	1.490	2050188
VTEC EXL PG21 SW	Pg 21	Black	25	2.330	2050196

PA Polyamide

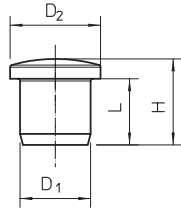
G	D1	WAF	E	L min.	L max.	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm
Pg 9	5-8	19	21	21	27	15	5	15.5
Pg 11	4.5-10	22	25	22	29	15	5	17
Pg 13.5	6.5-12	24	27	23	30	15	5	18
Pg 16	7-14	27	30	25	33	15	6	19
Pg 21	12-18	33	37.5	28	38	15	6	22



Dimensions



Screw plug, metric and PG



Type	Size	Dimension D1 mm	Dimension L mm	Dimension D2 mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107VS VM 5 PA	für M12 / Pg9	5,5	9	10	12,5	50	0,041	2029511
107VS VM 9 PA	für M16 / Pg13,5	9,5	12	13,5	16	50	0,090	2029514
107VS VM 12 PA	für M20 / Pg16	12	12	16,5	16,5	50	0,130	2029517
107VS VM 16 PA	für M25 / Pg21	16	15	20,5	19,5	50	0,190	2029520
107VS VM 20 PA	für M32 / Pg29	20	17	24,5	21,5	25	0,250	2029523
107VS VM 27 PA	für M40 / Pg36	27	20	32	24	10	0,353	2029529
107VS VM 35 PA	für M50 / Pg42	35	25	39	29	5	0,500	2029533

PA Polyamide

Screw plug in for dust-proof and waterproof closure of installed but (as yet) unfilled V-TEC... cable glands.

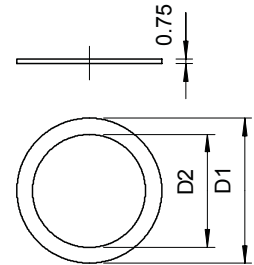


Pressure ring 107

Type	Size mm	Dimen- sion D1 mm	Dimen- sion D2 mm	Pack.	Weight	Item No.
				pcs	kg/100 pcs.	
107 D PG29 GTP	Pg 29	35	30	25	0.140	2027291

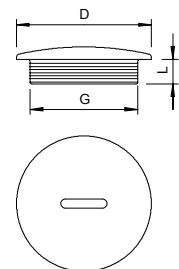
St Steel

GTP Electrogalvanised, transparently passivated



Type	Thread	Colour	Pack.	Item No.
			pcs	
108 M20 MD LGR	M20x1,5	Light grey	100	2033505
108 M20 MD SW	M20x1,5	Jet black	100	2033507

PS Polystyrene



Cable gland 106 G PG16 PS



IP 54 IP 65 Pg

Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs	Item No.
106 G PG16 PS	Pg 16	Light grey	50	1.046	2035995

PS Polystyrene

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. Sealing ring made of polychloroprene/acrylonitrile butadiene rubber. Moulded shaped sealing lip on intermediate support, thus no connection thread sealing ring required, VDE-tested to DIN EN 62444, . Temperature range $-20\text{ }^{\circ}\text{C}$ to $+65\text{ }^{\circ}\text{C}$.

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. Sealing ring made of polychloroprene/acrylonitrile butadiene rubber. Moulded shaped sealing lip on intermediate support, thus no connection thread sealing ring required, VDE-tested to DIN EN 50262, . Temperature range $-20\text{ }^{\circ}\text{C}$ to $+65\text{ }^{\circ}\text{C}$.

Cable gland, metric thread



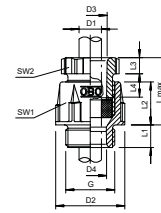
Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
106 M12 PS	M12 x 1,5	Light grey	50	0.400	2035316
106 M16 PS	M16 x 1,5	Light grey	50	0.560	2035324
106 M 20 PS	M20 x 1,5	Light grey	50	0.753	2035332
106 M 25 PS	M25 x 1,5	Light grey	50	1.018	2035340
106 M 32 PS	M32 x 1,5	Light grey	10	2.891	2035359
106 M 40 PS	M40 x 1,5	Light grey	10	4.973	2035367
106 M 50 PS	M50 x 1,5	Light grey	5	6.594	2035375
106 M 63 PS	M63 x 1,5	Light grey	5	9.630	2035383

PS Polystyrene

Standard cable gland, shape A, to DIN 46320 with simple NR/SBR sealing ring with metric connection thread to IEC 423.

Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.

Note: only tighten polystyrene cable glands lightly on account of the risk of stress crack formation.



G	D1	D2	D3	D4	SW1	SW2	L1	L2	L3	L4	L max.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
M12 x 1.5	3.5–6.5	16.5	7	7	15	13	8	13	5	8.5	23
M16 x 1.5	4.5–7	21.5	10.2	10	19	16	8	14	5	9	25
M20 x 1.5	9–13	27	13.4	13.5	24	21	9	16	5	10.8	28
M25 x 1.5	10–14	30	15.8	16	27	23	10	16.5	6	12	30
M32 x 1.5	18–25	47.5	30.3	26	42	40	11	20.5	8	18	42
M40 x 1.5	25–33	58	38.4	33	53	50	12	24	8	17	43
M50 x 1.5	30–38	65	44.5	40.5	60	55	13	27	9	18.5	48
M63 x 1.5	37–44	70	50	45.5	65	60	14	27	9	18.5	48

Dimensions

Cable gland, PG thread



Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
106 PG7	Pg 7	Light grey	50	0.325	2036061
106 PG9	Pg 9	Light grey	50	0.560	2036096
106 PG11	Pg 11	Light grey	50	0.800	2036118
106 PG13.5	Pg 13,5	Light grey	50	0.794	2036134
106 PG16	Pg 16	Light grey	50	1.003	2036169
106 PG21	Pg 21	Light grey	50	1.760	2036215
106 PG29	Pg 29	Light grey	10	3.004	2036290
106 PG36	Pg 36	Light grey	10	6.240	2036363
106 PG42	Pg 42	Light grey	5	6.698	2036428
106 PG48	Pg 48	Light grey	5	7.336	2036487

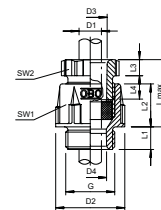
PS Polystyrene

Standard cable gland, shape A, to DIN 46320 with simple NR/SBR sealing ring.

PG connection thread in accordance with DIN 40430.

Protection rating: with connection thread sealing ring IP65, without connection thread sealing ring IP54.

Note: only tighten polystyrene cable glands lightly on account of the risk of stress crack formation.

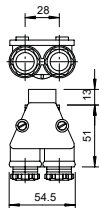


G	D1	D2	D3	D4	SW1	SW2	L1	L2	L3	L4	L max.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Pg 7	3.5–6.5	16.5	7	7	15	13	8	13	5	8.5	23
Pg 9	4.5–7	21.5	10.2	10.2	19	16	8	14	5	9	25
Pg 11	5.5–10	25	11.3	11.5	22	19	8	15	5	10	27
Pg 13.5	9–13	27	13.4	13.5	24	21	9	16	5	10.8	28
Pg 16	10–14	30	15.8	16.5	27	23	10	16.5	6	12	30
Pg 21	14–18	37.5	21.2	21	33	30	11	19	7	17	38
Pg 29	18–25	47.5	30	27.5	42	40	11	20.5	8	18	42
Pg 36	25–33	58	38	34.5	53	50	12	24	8	17	43
Pg 42	30–38	65	44.5	40.5	60	55	13	27	9	18.5	48
Pg 48	37–44	70	50	45.5	65	60	14	27	9	18.5	48

Dimensions



Twin gland, PG thread

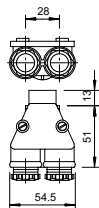


Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
113 PG13.5 LGR	Pg 13,5	Light grey	5	3.752	2024136
113 PG16 LGR	Pg 16	Light grey	5	4.360	2024160

UF Duroplast, Aminoplast, type 131.5

Protection rating, with removable polystyrene cover, as well as two polyethylene connection thread sealing rings.

Twin gland, metric thread



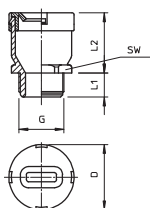
Type	Thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
113 M20 LGR	M 20 x 1,5	Light grey	5	3.701	2024063

UF Duroplast, Aminoplast, type 131.5

Protection rating, with removable polystyrene cover, as well as two polyethylene connection thread sealing rings.

With connection thread M20 x 1.5, two half glands PG 13.5 for cable diameters 6.5–10.5 mm.

Flat cable threaded connection, metric thread M20



Type	Thread	Flat cables/ thickness mm	Flat cables/ width mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
106 FL M20 8 19	M20	6 - 8	17 - 19	Stone grey	50	1.350	2013002

PE Polyethylene

Flat-cable entry, choke-nipple design with metric connecting thread to IEC 432, protection rating IP 31, with pre-mounted support sealing ring 107/F.

Dimensions

G	D mm	L1 mm	L2 mm	SW mm
M20	32.5	12	30	27

Flat cable threaded connection, metric thread M25



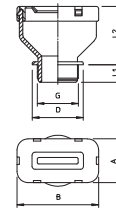
Type	Thread	Flat cables/ thickness mm	Flat cables/ width mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
106 FL M25 6 30	M25	4 - 6	27 - 30	Stone grey	25	2.630	2013006
106 FL M25 8 33	M25	6 - 8	30 - 33	Stone grey	25	2.630	2013007
106 FL M25 9 22	M25	7 - 9	19 - 22	Stone grey	25	2.630	2013008
106 FL M25 9 39	M25	7 - 9	36 - 39	Stone grey	25	2.630	2013009
106 FL M25 10 29	M25	8 - 10	26 - 29	Stone grey	25	2.630	2013010
106 FL M25 10 31	M25	8.5 - 10.5	28.5 - 31.5	Stone grey	25	2.630	2013011
106 FL M25 12 35	M25	9 - 12	31 - 35	Stone grey	25	2.630	2013012
106 FL M25 14 40	M25	11 - 14	37 - 40	Stone grey	25	2.680	2013013
106 FL M32 6 30	M32	4 - 6	27 - 30	Stone grey	15	3.450	2013015
106 FL M32 8 33	M32	6 - 8	30 - 33	Stone grey	15	3.450	2013016
106 FL M32 9 22	M32	7 - 9	19 - 22	Stone grey	15	3.450	2013017
106 FL M32 9 39	M32	7 - 9	36 - 39	Stone grey	15	3.450	2013018
106 FL M32 10 29	M32	8 - 10	26 - 29	Stone grey	15	3.450	2013019
106 FL M32 10 31	M32	8.5 - 10.5	28.5 - 31.5	Stone grey	15	3.450	2013020
106 FL M32 12 35	M32	9 - 12	31 - 35	Stone grey	15	3.450	2013021
106 FL M32 14 40	M32	11 - 14	37 - 40	Stone grey	15	3.500	2013022

PE Polyethylene

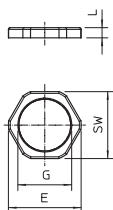
Flat-cable entry, choke-nipple design with metric connecting thread to IEC 432, protection rating IP31, with pre-mounted support sealing ring 107/F.

G	D	L1	L2	A	B
	mm	mm	mm	mm	mm
M25	35	12	40	30	56

Dimensions



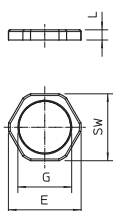
Locknut, metric thread



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

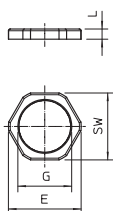
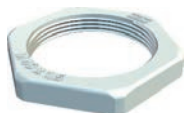
Cable outlet, plastic locknut



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
116 M12 SGR PA	M12x1,5	Silver grey	17	19	5	100	0.078	2048752
116 M16 SGR PA	M16x1,5	Silver grey	22	25	5	100	0.160	2048760
116 M20 SGR PA	M20x1,5	Silver grey	26	29	6	100	0.177	2048779
116 M25 SGR PA	M25x1,5	Silver grey	32	36	6.5	100	0.266	2048787
116 M32 SGR PA	M32x1,5	Silver grey	41	46	7	50	0.610	2048795
116 M40 SGR PA	M40x1,5	Silver grey	50	56	7	25	0.466	2048809
116 M50 SGR PA	M50x1,5	Silver grey	60	68	8	25	1.756	2048817
116 M63 SGR PA	M63x1,5	Silver grey	75	83	8	25	1.300	2048825

PA Polyamide

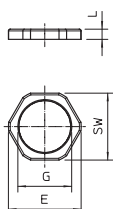
Locknut, metric thread



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
116 M12 SW PA	M12x1,5	Black	17	19	5	100	0.100	2049066
116 M16 SW PA	M16x1,5	Black	22	25	5	100	0.160	2049074
116 M20 SW PA	M20x1,5	Black	26	29	6	100	0.173	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	1.683	2049112
116 M50 SW PA	M50x1,5	Black	60	68	8	25	1.756	2049120
116 M63 SW PA	M63x1,5	Black	75	83	8	25	1.286	2049139

PA Polyamide

Locknut, PG thread



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

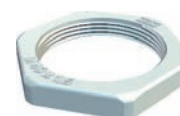
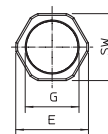
Locknut, metric thread



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	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

PS Polystyrene

Locknut DIN 46319, with metric thread IEC 423.



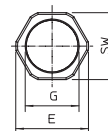
Locknut, PG thread



Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	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

PS Polystyrene

Locknut DIN 46320, with PG thread DIN 40430.



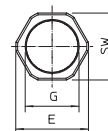
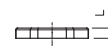
Locknut, PG thread



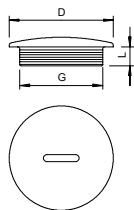
Type	Thread	Colour	SW mm	Dimen- sion E mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
116 VDE PG7 PA	Pg 7	Light grey	19	21	5	100	0.093	2048078
116 VDE PG 9 PA	Pg 9	Light grey	22	24	5	100	0.169	2048094
116 VDE PG11 PA	Pg 11	Light grey	24	26	5	100	0.184	2048116
116 VDE PG13.5PA	Pg 13,5	Light 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

PA Polyamide

Locknut DIN 46320, with PG thread DIN 40430.



Screw plug, metric thread

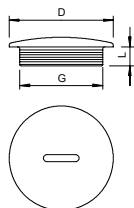


Type	Thread	Dimension D mm	Dimension L mm	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	Item No.
108 M12 PS	M12 x 1,5	15	6	Light grey	3000	100	0.047	2033003
108 M16 PS	M16 x 1,5	20	6	Light grey	1800	100	0.085	2033007
108 M20 PS	M20 x 1,5	24	6	Light grey	1200	100	0.128	2033011
108 M25 PS	M25 x 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

PS Polystyrene

Screw plug in accordance with DIN 46320, with metric thread to IEC 423.

Screw plug, PG thread



Type	Thread	Dimension D mm	Dimension L mm	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	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

Pg Polystyrene

Screw plug in accordance with DIN 46320, with PG thread to DIN 40430.

Reduction, metric thread



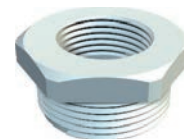
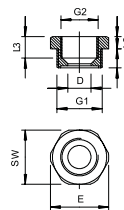
Type	External thread	Internal thread	Colour	SW mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 R M20-12 PA	M20	M12	Light grey	24	100	0.500	2030616
107 R M20-16 PA	M20	M16	Light grey	24	100	0.700	2030619
107 R M25-12 PA	M25	M12	Light grey	32	100	0.850	2030624
107 R M25-16 PA	M25	M16	Light grey	32	100	0.850	2030626
107 R M25-20 PA	M25	M20	Light grey	32	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	1.000	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

PA Polyamide

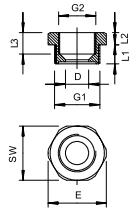
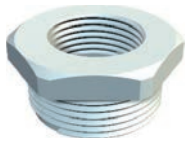
Reduction, with metric internal and external thread.

G1	G2	SW mm	E mm	L1 mm	L3 mm
M20	M12	24	26.6	8	12
M20	M16	24	26.6	8	12
M25	M12	32	32	8	14
M25	M16	32	32	8	14
M25	M20	32	32	8	14
M32	M12	36	40	10	16
M32	M16	36	40	10	16
M32	M20	36	40	10	16
M32	M25	36	40	10	16
M40	M16	46	50.5	10	16
M40	M20	46	50.5	10	16
M40	M25	46	50.5	10	16
M40	M32	46	50.5	10	16
M50	M20	55	60	12	18
M50	M25	55	60	12	18
M50	M32	55	60	12	18
M50	M40	55	60	12	18
M63	M25	68	75	12	18
M63	M32	68	75	12	18
M63	M40	68	75	12	18
M63	M50	68	75	12	18

Dimensions



Reduction, PG thread



Type	External thread	Internal thread	Colour	Pack. pcs	Weight kg/100 pcs.	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

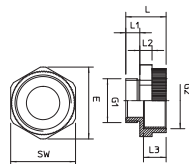
PA Polyamide

Reduction, Pg internal and external thread to DIN 40430.

Dimensions

G1	G2	D mm	SW mm	E mm	L1 mm	L2 mm	L3 mm
Pg 11	Pg 7	7.5	22	24	8	6	9.5
Pg 13.5	Pg 9	9.5	24	26	8.5	6	9.5
Pg 16	Pg 9	9.5	27	29	9.5	6	11.5
Pg 16	Pg 11	11.5	27	29	9.5	6	11
Pg 21	Pg 11	11.5	32	35.5	10.5	5	11
Pg 21	Pg 13.5	13.5	32	35.5	10.5	5	11
Pg 21	Pg 16	16.5	32	35.5	10.5	5	11
Pg 29	Pg 16	16.5	40	43	12	6	12.5
Pg 29	Pg 21	21.5	39	43	12.5	6	13.5
Pg 36	Pg 21	21	50	54	13	6	13.5
Pg 36	Pg 29	28.5	50	54	18	6	18
Pg 42	Pg 29	27.5	55	59	16	6	17

Intermediate expansion connector, metric thread



Type	External thread	Internal thread	Colour	Pack. pcs	Weight kg/100 pcs.	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

PA Polyamide

Intermediate expansion connector, metric internal and external thread.

Dimensions

G1	G2	SW mm	E mm	L mm	L1 mm	L2 mm	L3 mm	D mm
M12	M16	20	22	20.6	8	5	11.2	7.2
M16	M20	24	26.6	20.6	8	5	11	11.3
M20	M25	30	33	21	8	6	10.8	15
M25	M32	37	41	22.7	8	7	12.5	19
M32	M40	45	49.5	25	10	7	12.5	26.4

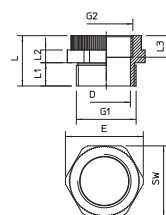
Adapter PG-M



Type	External thread	Internal thread	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
107 ADA PG7-M12	PG7	M12	Light grey	20	0.194	2031465
107 ADA PG9-M12	PG9	M12	Light grey	20	0.370	2031466
107 ADA PG11-M16	PG11	M16	Light grey	20	0.410	2031467
107 ADA PG13-M20	PG13,5	M20	Light grey	20	0.416	2031468
107 ADA PG16-M20	PG16	M20	Light grey	20	0.630	2031469
107 ADA PG21-M25	PG21	M25	Light grey	10	0.940	2031470
107 ADA PG29-M32	PG29	M32	Light grey	10	1.610	2031471

PA Polyamide

Adapter for converting a Pg threaded drill hole to a metric threaded drill hole.



Dimensions

G1	G2	SW mm	E mm	L mm	L1 mm	L2 mm	L3 mm	D mm
PG 7	M12	15	16.5	20.3	7.9	5	10.4	7.7
PG 9	M12	19	21	20		5	10	10.5
PG11	M16	22	24.5	20.3	8	5	10	13.6
PG13.5	M20	24	26.7	21.3	9.1	5	10	15.2
PG16	M20	27	30	22	10	6	10	17.6
PG21	M25	33	36.5	23.6	10.9	6	10	22.7
PG29	M32	42	46.7	25.5	11.2	7	10.4	30.8

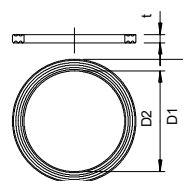
Connection thread sealing ring, metric



Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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	0.018	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

PE Polyethylene

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.



Connection thread sealing ring, metric



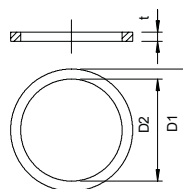
Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
170 M16	M16	19.9	16	2	100	0.040	2088428
170 M20	M20	24	20	2	100	0.066	2088436
170 M25	M25	30	25	3	100	0.170	2088444
170 M32	M32	38	32	3	100	0.270	2088452

FA Fibre-proof material DIN 28091

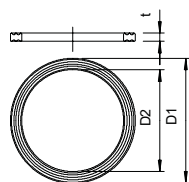
Asbestos-free material.

Connection thread sealing ring, Part 9, to DIN 46320, suitable for all brass cable glands with metric connection thread to DIN EN 60423 or ISO 68.

Colour: green, graphited on one side.



Connection thread sealing ring, PG

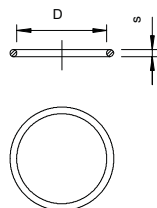


Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 F PG7 PE	Pg 7	16.5	12.1	1.6	100	0.010	2030071
107 F PG9 PE	Pg 9	19	14.7	1.6	100	0.013	2030098
107 F PG11 PE	Pg 11	23	18	1.8	100	0.022	2030101
107 F PG13.5 PE	Pg 13,5	25	19.8	1.8	100	0.030	2030136
107 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	0.290	2030489

PE Polyethylene

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.

O sealing ring for metric connection thread

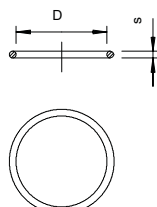


Type	Size mm	Dimension D mm	Dimension S mm	Pack. pcs	Weight kg/100 pcs.	Item No.
171 M20	M20	18	1.5	100	0.011	2088738
171 M25	M25	22	1.5	100	0.012	2088746
171 M32	M32	29	2	100	0.035	2088754

NBR Nitrile rubber

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.

O sealing ring for PG connection thread



Type	Size mm	Dimension D mm	Dimension S mm	Pack. pcs	Weight kg/100 pcs.	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

NBR Nitrile rubber

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.

Sealing plate, PG

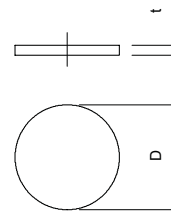
Pg

Type	Size mm	Dimen- sion D mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 V PG 7 PVC	Pg 7	11	0.5	100	0.013	2029707
107 V PG 9 PVC	Pg 9	13.5	0.5	100	0.020	2029715
107 V PG11 PVC	Pg 11	16.5	0.5	100	0.030	2029723
107 V PG13.5 PVC	Pg 13,5	18.5	0.5	100	0.038	2029731
107 V PG16 PVC	Pg 16	20.5	0.5	100	0.048	2029758
107 V PG21 PVC	Pg 21	26	0.5	100	0.075	2029766
107 V PG29 PVC	Pg 29	35	1	100	0.135	2029774

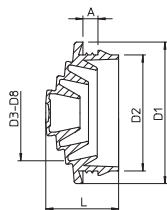
PVC Polyvinylchloride

The sealing plate offers both mechanical protection and the maintenance of the protection rating of plastic and metal cable glands to DIN 46320 before cable installation.

Application: the discs are placed between the pressure screw and the pressure ring. If the safe maintenance of IP65 is required, we recommend placing the discs between the pressure ring and the sealing ring. To mount the cable, remove the discs – they can be reused.



Plug-in seal EDVS



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
EDVS M20 LGR	M20	0 - 17	Light grey	100	0.117	2012375
EDS M20 LGR	M20	0 - 17	Light grey	100	0.125	2012350
EDVS M25 LGR	M25	0 - 22	Light grey	100	0.179	2012383
EDS M25 LGR	M25	0 - 22	Light grey	100	0.185	2012354
EDVS M32 LGR	M32	0 - 28	Light grey	50	0.295	2012391
EDS M32 LGR	M32	0 - 28	Light grey	50	0.295	2012358

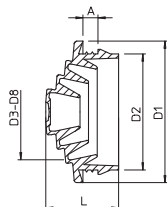
PE Polyethylene

The push-in nipple can be cut back to suit the relevant cable diameter.

Dimensions

G	L	A	D1	D2	D3	D4	D5	D6	D7	D8
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
M20	12.8	3.4	24.8	20.3	0 - 6	5 - 10	9 - 15	14 - 17	-	-
M20	12.8	3.1	24.8	20.3	0-6	5-10	9-15	14-17	-	-
M25	14.5	4.3	29.5	25.3	0 - 6	5 - 10	9 - 15	14 - 20	19 - 22	-
M25	14.5	3.1	29.5	25.3	0-6	5-10	9-15	14-20	19-22	-
M32	17.8	4.4	36.3	32.3	0 - 6	5 - 10	9 - 15	14 - 20	19 - 25	24 - 28
M32	17.8	3.1	36.3	32.3	0-6	5-10	9-15	14-20	19-25	24-28

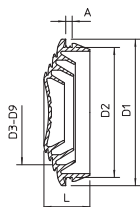
EDS plug-in seal, light grey



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	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

PE Polyethylene

Plug-in seal EDK light grey



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
EDK 25 LGR	M25	0 - 22	Light grey	100	0.165	2011638
EDK 32 LGR	M32	0 - 27	Light grey	50	0.260	2011646
EDK 40 LGR	M40	0 - 34	Light grey	25	0.425	2011654
EDK 25 RW	M25	0 - 22	Pure white	100	0.175	2011689
EDK 32 RW	M32	0 - 27	Pure white	50	0.260	2011697
EDK 40 RW	M40	0 - 34	Pure white	25	0.425	2011700

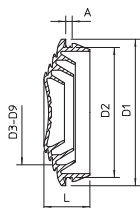
TPE Thermoplastic elastomer

The plug-in seal can be cut back to suit the relevant cable diameter.

Dimensions

G	L	A	D1	D2	D3	D4	D5	D6	D7	D8	D9
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
M25	10.1	2.2	29.5	25.4	0-5	4-10	9-15	14.5-18	18.5-22	-	-
M32	11.4	2.2	36.4	32.3	0-5	4-10	9-15	14.5-18	18.5-22	24-27	-
M40	13.4	2.2	44.1	40.2	0-5	4-10	9-15	14.5-18	18.5-22	24-27	31-34
M25	10,1	2,2	29,5	25,4	0-5	4-10	9-15	14,5-18	18,5-22	-	-
M32	11,4	2,2	36,4	32,3	0-5	4-10	9-15	14,5-18	18,5-22	24-27	-
M40	13,4	2,2	44,1	40,2	0-5	4-10	9-15	14,5-18	18,5-22	24-27	31-34

Plug-in seal for FireBox T series



Type	Size	For Ø mm	Pack. pcs	Weight kg/100 pcs.	Item No.
EDK 25 OR	M25	0 - 22	10	0.165	7205675
EDK 32 OR	M32	0 - 27	10	0.274	7205677
EDK 40 OR	M40	0 - 34	10	0.420	7205679

TPE Thermoplastic elastomer

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

Plug-in seal for pipes, T-series junction box, light grey

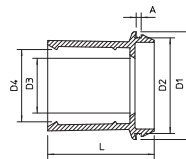
IP 55 M25 M32 M40

Type	Size	Colour	Pack. pcs	Weight kg/100 pcs.	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

TPE Thermoplastic elastomer

Plug-in seal for junction boxes for direct insertion of metric pipes

G	L mm	A mm	D1 mm	D2 mm	D3 mm	D4 mm
M25	30	2.2	29.5	25.3	15.0	18.4
M25	30	2.2	29.5	25.3	18.5	24.2
M32	36	2.2	37	32.3	24	31.2
M40	49	2.2	46	42.3	31	39.2



Dimensions

IP 54



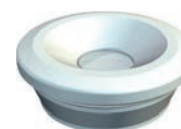
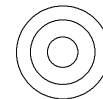
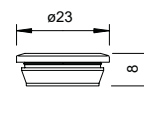
Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
89	PG 11	7 - 13	Light grey	100	0.111	2012030
89 RW	PG 11	7 - 13	Pure white	100	0.113	2012103
89 SW	PG 11	7 - 13	Black	100	0.112	2012146
89 LoG	PG 11	7 - 13	Light grey	5000	0.111	2012065
89 3MM NUT	PG 11	7 - 13	Light grey	2000	0.106	2012081

PE Polyethylene

Closed entry nipple with perforation membrane for cable diameters 7–13 mm. Ideal for simple cable routing in housings or through thin sheet metal.

Required hole diameter 18.5–19 mm, wall thickness max. 1.8 mm.

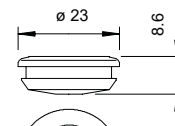
Nipple 89



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
89 ROE 12-16	PG 13,5	12 - 16	Light grey	100	0.102	2012049

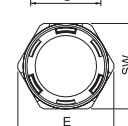
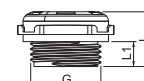
PE Polyethylene

Nipple 89/RK



Pressure balance plug 109

Type	Thread	Protection rating	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
109 M20 LGR	M20x1,5	IP68	Light grey	5	0.538	2034680





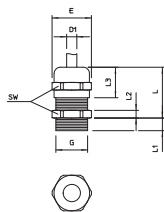


Cable gland systems, brass

	Cap nut cable gland	160
	Cone cable gland	162
	Locknuts	168
	Cable gland system accessories	169



Cable gland, metric thread



Type	Thread	Dimension L1 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12 MS	M12 x 1,5	5	50	1.200	2086018
V-TEC VM16 MS	M16 x 1,5	5	50	1.640	2086024
V-TEC VM20 MS	M20 x 1,5	6	25	3.140	2086030
V-TEC VM25 MS	M25 x 1,5	7	25	4.260	2086036
V-TEC VM32 MS	M32 x 1,5	8	20	7.160	2086042
V-TEC VM40 MS	M40 x 1,5	8	5	12.240	2086048
V-TEC VM50 MS	M50 x 1,5	9	5	22.700	2086054
V-TEC VM63 MS	M63 x 1,5	10	5	30.300	2086060

CuZn Brass

N Nickel-plated

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.

Dimensions

G	D1 mm	WAF mm	e mm	L max. mm	L 1 mm	L2 mm	L3 mm
M 12 x 1.5	3-6	14	15.5	20	5	11.5	3
M16 x 1.5	5-9	17	19	24	5	15	3
M20 x 1.5	9-13	22	24	27	6	16.5	3.5
M25 x 1.5	11-16	27	30	29.5	7		
M32 x 1.5	14-21	34	36	30	8	18.5	4.5
M40 x 1.5	19-27	43	46	33	8	21	4.5
M50 x 1.5	24-35	55	77	38.5	9	25	4.5
M63 x 1.5	32-42	65	70	44.5	1	31	5

Cable gland, long metric thread



Type	Thread	Dimension L1 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM LM12 MS	M12 x 1,5	10	50	1.300	2086111
V-TEC VM LM16 MS	M16 x 1,5	10	50	1.940	2086117
V-TEC VM LM20 MS	M20 x 1,5	10	25	3.360	2086123
V-TEC VM LM25 MS	M25 x 1,5	11	25	4.800	2086129
V-TEC VM LM32 MS	M32 x 1,5	13	10	7.840	2086135
V-TEC VM LM40 MS	M40 x 1,5	13	5	13.400	2086141
V-TEC VM LM50 MS	M50 x 1,5	14	5	24.000	2086147
V-TEC VM LM63 MS	M63 x 1,5	14	5	32.100	2086153
V-TEC VM LM75MS1	M75 x 1,5	18	3	112.300	2086156
V-TEC VM LM75MS2	M75 x 1,5	18	3	98.200	2086159

CuZn Brass

N Nickel-plated

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.

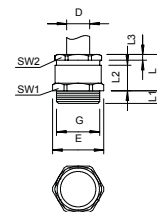
With long connection thread.

* Prices according to DEL notation.

G	D1	SW	E	L max.	L1
	mm	mm	mm	mm	mm
M12 x 1.5	3-6	14	15.5	20	10
M16 x 1.5	5-9	17	19	24	10
M20 x 1.5	9-13	22	24	27	10
M25 x 1.5	11-16	27	30	29.5	11
M32 x 1.5	14-21	34	36	30	13
M40 x 1.5	19-27	43	46	33	13
M50 x 1.5	24-35	55	60	38.5	14
M63 x 1.5	32-42	65	65	44.5	14
M75 x 1.5	48 - 55	90	97	42	18
M75 x 1.5	53 - 60	90	97	42	18

Dimensions

Cable gland, M cutting ring



Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
162 MS M12	M12x1,5	50	1.200	2083706

CuZn Brass

N Nickel-plated

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.

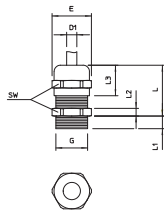
Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.

With cutting ring.

* Prices according to DEL notation.



Cable gland, PG thread



Type	Thread	Dimension L1 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC PG7 MS	Pg 7	5	50	1.000	2085607
V-TEC PG9 MS	Pg 9	6	50	1.600	2085615
V-TEC PG11 MS	Pg 11	6	50	2.300	2085623
V-TEC PG13 MS	Pg 13,5	6,5	50	2.800	2085631
V-TEC PG16 MS	Pg 16	6,5	25	3.400	2085658
V-TEC PG21 MS	Pg 21	7	25	6.000	2085666
V-TEC PG29 MS	Pg 29	8	20	13.000	2085674
V-TEC PG36 MS	Pg 36	9	10	21.000	2085682
V-TEC PG42 MS	Pg 42	10	5	23.500	2085690
V-TEC PG48 MS	Pg 48	10	5	31.500	2085704

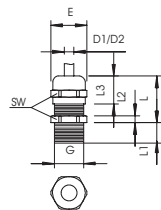
CuZn Brass

N Nickel-plated

Dimensions

G	D1 mm	D2 mm	SW mm	E mm	L max. mm	L1 mm	L2 mm	L3 mm
Pg 7	2.5-6.5	3-6.5	14	15.5	20	5	3	12
Pg 9	2.5-8	3.5-8	17	18.9	22	6	3	14
Pg 11	3.5-10	4.5-10	20	22.2	24	6	3	15
Pg 13.5	5-12	6-12	22	24.4	25	6.5	3.5	15
Pg 16	7-14	7-14	24	26.7	27	6.5	4	17
Pg 21	9-18	12-18	30	33.5	33	7	4.5	20
Pg 29	14-25	17-25	40	43.5	39	8	5	23.5
Pg 36	18-32	20-32	50	54	49	9	5.5	29
Pg 42	24-38	26-38	57	61	52	10	6	31
Pg 48	30-44	30-44	64	69	52.5	10	6.5	31

Cable gland, long PG thread



Type	Thread	Dimension L1 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC L PG9 MS	Pg 9	10	50	1.740	2085739
V-TEC L PG11 MS	Pg 11	10	50	2.550	2085747
V-TEC L PG13 MS	Pg 13,5	10	50	3.030	2085755
V-TEC L PG16 MS	Pg 16	10	25	3.660	2085763
V-TEC L PG21 MS	Pg 21	12	25	6.580	2085771
V-TEC L PG29 MS	Pg 29	12	10	13.660	2085798
V-TEC L PG48 MS	Pg 48	15	5	37.900	2085836

CuZn Brass

N Nickel-plated

Dimensions

G	D1 mm	D2 mm	SW mm	E mm	L max. mm	L1 mm	L2 mm	L3 mm
Pg 9	2.5-8	3.5-8	17	18.9	22	10	3	14
Pg 11	3.5-10	4.5-10	20	22.2	24	10	3	15
Pg 13.5	5-12	6-12	22	24.4	25	10	3.5	16
Pg 16	7-14	7-14	24	26.7	27	10	4	17
Pg 21	9-18	12-18	30	33.5	33	12	4.5	20
Pg 29	14-25	17-25	40	43.5	39	12	5	23
Pg 48	30-44	30-44	64	69	52.5	15	6.5	31

Cable gland, PG cutting ring

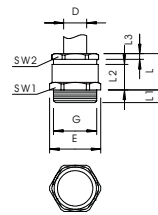
IP 54 IP 65 Pg

Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
162 MS PG 7	Pg 7	50	1.000	2082620
162 MS PG42	Pg 42	5	25.000	2082624
162 MS PG48	Pg 48	5	33.100	2082632

CuZn Brass

N Nickel-plated

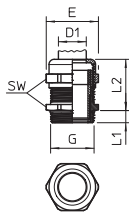
G	D mm	SW1 mm	SW2 mm	E mm	L1 mm	L2 mm
Pg 42	30 - 42	57	54	61	33	10
Pg 48	36 - 47	64	60	69	44	10



Dimensions



Cable gland, EMC, metric



Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM12 EMV	M12 x 1,5	50	1.362	2086203
V-TEC VM16 EMV	M16 x 1,5	50	1.849	2086207
V-TEC VM20 EMV	M20 x 1,5	25	3.473	2086211
V-TEC VM25 EMV	M25 x 1,5	25	5.280	2086215
V-TEC VM32 EMV	M32 x 1,5	20	7.470	2086219
V-TEC VM40 EMV	M40 x 1,5	5	12.880	2086223
V-TEC VM50 EMV	M50 x 1,5	5	26.165	2086227
V-TEC VM63 EMV	M63 x 1,5	5	33.990	2086231

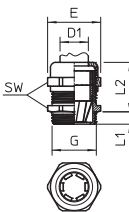
CuZn Brass

N Nickel-plated

Dimensions

G	D1 mm	SW mm	E mm	L max. mm	L1 mm
M12 x 1.5	3-6	14	15.5	25	5
M16 x 1.5	5-9	17	19	30	5
M20 x 1.5	9-13	22	24	33.5	6
M25 x 1.5	11-16	27	30	36.5	7
M32 x 1.5	14-21	34	36	38	8
M40 x 1.5	19-27	43	46	49.5	8
M50 x 1.5	24-35	55	60	49.5	9
M63 x 1.5	32-42	65	70	52.5	10

Cable gland, EMC spring contact, metric



Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
V-TEC VM16 EMV-K	M16x1,5	50	2.044	2086165
V-TEC VM20 EMV-K	M20x1,5	25	3.564	2086169
V-TEC VM25 EMV-K	M25x1,5	25	5.918	2086173
V-TEC VM32 EMV-K	M32x1,5	20	9.880	2086177
V-TEC VM40 EMV-K	M40x1,5	5	17.200	2086181
V-TEC VM50 EMV-K	M50x1,5	5	13.735	2086185
V-TEC VM63 EMV-K	M63x1,5	5	16.780	2086189

CuZn Brass

N Nickel-plated

Cable gland, M cutting ring

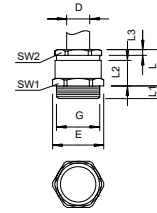
IP 54 IP 65 M

Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
162 MS M12	M12x1,5	50	1.200	2083706
162 MS M16	M16 x 1,5	50	1.814	2083712
162 MS M20	M20 x 1,5	25	2.520	2083716
162 MS M25	M25 x 1,5	25	3.388	2083720
162 MS M32	M32 x 1,5	10	5.004	2083724
162 MS M40	M40 x 1,5	10	8.720	2083728
162 MS M50	M50 x 1,5	5	15.800	2083732
162 MS M63	M63 x 1,5	5	21.600	2083736

CuZn Brass

N Nickel-plated

G	D mm	SW1 mm	SW2 mm	E mm	L1 mm	L2 mm
M16 x 1.5	5-9.5	17	15	18.9	7	16
M20 x 1.5	7.5-13.5	22	20	24.4	7	18
M25 x 1.5	10-20.5	32	28	35.5	8	22
M32 x 1.5	18-29	40	37	43.5	8.5	24
M40 x 1.5	24-31	50	47	54	8.5	29
M50 x 1.5	30-42	58	54	62.1	9.5	33
M63 x 1.5	36-47	65	60	69	10	10



Dimensions

Cable gland, PG cutting ring

IP 54 IP 65 Pg

Type	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
162 MS PG 7	Pg 7	50	1.000	2082620
162 MS PG 9	Pg 9	50	1.250	2082519
162 MS PG11	Pg 11	50	1.960	2082500
162 MS PG13.5	Pg 13,5	50	2.630	2082527
162 MS PG16	Pg 16	25	3.190	2082543
162 MS PG21	Pg 21	25	5.240	2082578
162 MS PG29	Pg 29	10	9.260	2082594
162 MS PG36	Pg 36	10	16.490	2082616
162 MS PG42	Pg 42	5	25.000	2082624
162 MS PG48	Pg 48	5	33.100	2082632

CuZn Brass

N Nickel-plated

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.

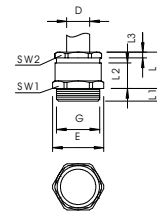
NR/SBR sealing ring.

Protection rating: with connection thread sealing ring IP 65, without connection thread sealing ring IP 54.

With cutting ring.

* Prices according to DEL notation.

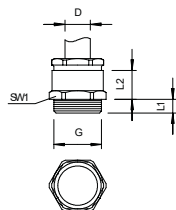
G	D mm	SW1 mm	SW2 mm	E mm	L1 mm	L2 mm	L2 mm	L3 mm
Pg 9	5-9.5	17	15	18.9	16	6	10.5	2.5
Pg 11	7.5-11.5	20	18	22.2	17	6	11	3
Pg 13.5	7.5-13.5	22	20	24.4	18	6.5	12.5	3
Pg 16	7.5-15.5	24	22	26.7	19	6.5	13.5	3
Pg 21	10-20.5	30	28	33.5	22	7	15	3.5
Pg 29	18-29	40	37	43.5	24	8	16.5	4
Pg 36	24-37	50	47	54	29	9	19.5	4.5
Pg 42	30 - 42	57	54	61	33	10	22	6
Pg 48	36 - 47	64	60	69	44	10	23	6



Dimensions



Cable gland, small sealing ring, M



IP 54 IP 65 M

Type	Thread	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
163 MS M12	M12 x 1,5	Nickel-plated	50	0.850	2083612
163 MS M16	M16 x 1,5	Nickel-plated	50	1.160	2083620
163 MS M20	M20 x 1,5	Nickel-plated	25	2.210	2083639
163 MS M25	M25 x 1,5	Nickel-plated	25	4.550	2083647
163 MS M32	M32 x 1,5	Nickel-plated	10	8.210	2083655
163 MS M40	M40 x 1,5	Nickel-plated	10	14.230	2083663
163 MS M50	M50 x 1,5	Nickel-plated	5	20.540	2083671
163 MS M63	M63 x 1,5	Nickel-plated	5	30.000	2083698

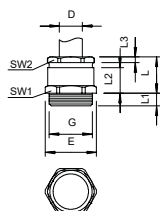
CuZn Brass

N Nickel-plated

Dimensions

G	D mm	SW1 mm	SW2 mm	E mm	L1 mm	L2 mm
M12 x 1.5	5-7	14	13	15.5	7	10
M16 x 1.5	6-8	17	15	18.9	7	10.5
M20 x 1.5	8-10	22	20	24.4	7	12.5
M25 x 1.5	17-19	34	28	35.5	8	15
M32 x 1.5	24-26	42	37	43.5	8.5	16.5
M40 x 1.5	31-33	52	47	54	8.5	19.5
M50 x 1.5	37-39	57	54	62.1	10.5	23
M63 x 1.5	43-45	65	60	69	10.5	23

Cable gland, small sealing ring, PG



IP 54 IP 65 Pg

Type	Thread	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
163 MS PG 7	Pg 7	Nickel-plated	50	0.850	2082071
163 MS PG 9	Pg 9	Nickel-plated	50	1.160	2082098
163 MS PG11	Pg 11	Nickel-plated	25	1.690	2082101
163 MS PG13.5	Pg 13,5	Nickel-plated	25	2.210	2082136
163 MS PG16	Pg 16	Nickel-plated	25	2.960	2082160
163 MS PG21	Pg 21	Nickel-plated	25	4.550	2082217
163 MS PG29	Pg 29	Nickel-plated	10	8.210	2082292
163 MS PG36	Pg 36	Nickel-plated	10	14.230	2082365
163 MS PG42	Pg 42	Nickel-plated	5	20.540	2082411
163 MS PG48	Pg 48	Nickel-plated	5	30.050	2082489

CuZn Brass

N Nickel-plated

Dimensions

G	D mm	SW1 mm	SW2 mm	E mm	L max. mm	L1 mm	L2 mm	L3 mm
Pg 7	5-7	14	13	15.5	15	5	10	2.5
Pg 9	6-8	17	15	18.9	16	6	10.5	2.5
Pg 11	8-10	20	18	22.2	17	6	11	3
Pg 13.5	8-10	22	20	24.4	18	6.5	12	3
Pg 16	8-10	24	22	26.7	19	6.5	13.5	3
Pg 21	17-19	30	28	33.5	22	7	15	3.5
Pg 29	24-26	40	37	43.5	24	8	16.5	4
Pg 36	31-33	50	47	54	29	9	19.5	4.5
Pg 42	37-39	57	54	61	33	10	22	6
Pg 48	43-45	64	60	69	34	10	23	6

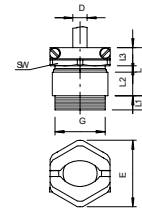
Cable gland, PG strain relief

IP 54 IP 65 Pg

Type	Thread	Surface finish	Pack. pcs	Weight kg/100 pcs.	Item No.
159 MS PG 7	Pg 7	Nickel-plated	50	1.960	2046075
159 MS PG 9	Pg 9	Nickel-plated	50	2.460	2046091
159 MS PG11	Pg 11	Nickel-plated	50	3.250	2046113
159 MS PG13.5	Pg 13,5	Nickel-plated	50	3.830	2046121
159 MS PG16	Pg 16	Nickel-plated	25	5.700	2046164
159 MS PG21	Pg 21	Nickel-plated	25	7.590	2046210
159 MS PG29	Pg 29	Nickel-plated	10	14.970	2046296
159 MS PG36	Pg 36	Nickel-plated	5	22.030	2046369
159 MS PG42	Pg 42	Nickel-plated	5	41.070	2046423
159 MS PG48	Pg 48	Nickel-plated	4	46.250	2046482

CuZn Brass

N Nickel-plated

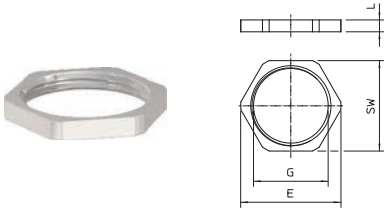


G	D	SW1	SW2	E	L max.	L1	L2	L3
	mm	mm	mm	mm	mm	mm	mm	mm
Pg 7	5-7	14	16	17.5	22	5	10	9.3
Pg 9	6-8	17	19	20.5	24	6	10.5	10.6
Pg 11	8-10	20	22	24.5	25	6	11	11.3
Pg 13.5	8-10	22	24	27	26	6.5	12.5	11.3
Pg 16	8-10	24	26	29	28	6.5	13.5	11.8
Pg 21	17-19	30	33	37	32	7	15	13.3
Pg 29	24-26	40	42	46.5	34	8	16.5	13.8
Pg 36	31-33	50	52	57	40	9	19.5	15.8
Pg 42	37-39	57	59	65	43	10	22	16.3
Pg 48	43-45	64	64	70	44	10	23	16.3

Dimensions



Locknut, metric thread



M

Type	Thread	SW mm	Dimension E mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	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	1.120	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	5.720	2091682
169 MS M75	M75 x 1,5	90	100	8	3	16.800	2091685

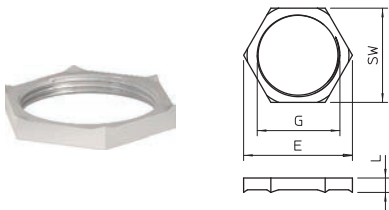
CuZn Brass

N Nickel-plated

Locknuts DIN 46319 with metric thread IEC 423.

* Prices according to DEL notation.

Locknut, metric thread with cutting teeth



M

Type	Thread	SW mm	Dimension E mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
169 MSS M12	M12x1,5	15	17.3	4.5	50	0.360	2091705
169 MSS M16	M16x1,5	19	21.9	4.5	50	0.490	2091709
169 MSS M20	M20x1,5	24	27.7	4.5	50	0.760	2091713
169 MSS M25	M25x1,5	30	34.6	4.5	50	1.190	2091717
169 MSS M32	M32x1,5	36	41.5	4.5	50	1.230	2091721
169 MSS M40	M40x1,5	46	53.1	5	25	2.590	2091725
169 MSS M50	M50x1,5	60	69.2	5	25	5.070	2091729
169 MSS M63	M63x1,5	70	80.8	6	25	5.950	2091733

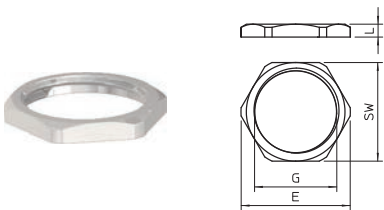
CuZn Brass

N Nickel-plated

Locknuts DIN 46319 with metric thread IEC 423.

* Prices according to DEL notation.

Locknut, PG thread



Pg

Type	Thread	SW mm	Dimension E mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	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	3.260	2091429
169 MS PG48	Pg 48	64	69	5,5	25	3.270	2091488

CuZn Brass

N Nickel-plated

Locknuts, part M to DIN 46320 with Pg thread to DIN 40430. * Price according to DEL notation.

Screw plug, metric thread

M

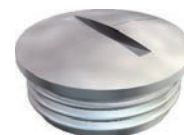
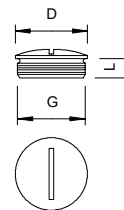
Type	Thread	Dimension D mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
168 MS M12	M12 x 1,5	16	5	100	0.390	2090511
168 MS M16	M16 x 1,5	20	6	100	0.640	2090538
168 MS M20	M20 x 1,5	22	6.5	100	0.930	2090546
168 MS M25	M25 x 1,5	28	7	50	1.850	2090554
168 MS M32	M32 x 1,5	35	8	50	2.810	2090562
168 MS M40	M40 x 1,5	45	8	50	5.290	2090570
168 MS M50	M50 x 1,5	55	9	25	6.310	2090589
168 MS M63	M63 x 1,5	68	10	25	12.570	2090597

CuZn Brass

N Nickel-plated

Screw plug in accordance with DIN 46320, with metric thread to DIN EN 60423 or ISO 68.

* Prices according to DEL notation.



Screw plug, PG thread

Pg

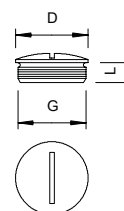
Type	Thread	Dimension D mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
168 MS PG 7	Pg 7	14	5	100	0.410	2090074
168 MS PG 9	Pg 9	17	6	100	0.530	2090090
168 MS PG11	Pg 11	20	6	100	0.840	2090112
168 MS PG13	Pg 13,5	22	6.5	100	0.930	2090139
168 MS PG16	Pg 16	24	6.5	100	1.300	2090163
168 MS PG21	Pg 21	30	7	50	2.420	2090201
168 MS PG29	Pg 29	39	8	50	4.310	2090295
168 MS PG36	Pg 36	50	9	50	7.800	2090368
168 MS PG42	Pg 42	57	10	25	11.710	2090422
168 MS PG48	Pg 48	64	10	25	15.260	2090481

CuZn Brass

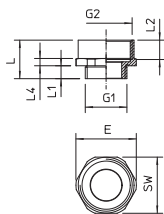
N Nickel-plated

Screw plug in accordance with DIN 46320, with Pg thread to DIN EN 40430.

* Prices according to DEL notation.



Expansion piece, metric thread



M

Type	External thread	Internal thread	Pack. pcs	Weight kg/100 pcs.	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

CuZn Brass

N Nickel-plated

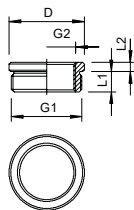
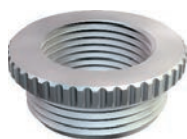
The areas of application for brass cable glands range from junction boxes as a distribution/-connection box up to large industrial applications for safe floor routing to switchgear cabinets with a control and distribution function. For high mechanical requirements, OBO can offer the entire family of extensions (Part K) to DIN 46320.

* Prices according to DEL notation.

Dimensions

Type	External thread	Internal thread	SW mm	Dimension E mm	Dimension L mm	Dimension L1 mm	Dimension L2 mm	Dimension D mm
165 ADA M12-16	M12	M16	18	20	16	5	7	8
165 ADA M16-20	M16	M20	22	24.5	16.7	5	8	12
165 ADA M20-25	M20	M25	27	29	18.5	6.4	9	15
165 ADA M25-32	M25	M32	34	35.8	20.7	7.4	8	20.8
165 ADA M32-40	M32	M40	42	45.5	23.8	8	10	26
165 ADA M40-50	M40	M50	52	58	30.5	8.2	12.5	33.8
165 ADA M 50-63	M50	M63	65	69.9	33	9.2	16	43.4

Reduction, metric thread



M

Type	External thread	Internal thread	Dimension D mm	Thread length mm	Dimension L2 mm	Pack. pcs	Weight kg/100 pcs.	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	1.480	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	2.700	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

CuZn Brass

N Nickel-plated

Reduction (Part H) in accordance with DIN 46320, with metric thread to DIN EN 60423 or ISO 68.

* Prices according to DEL notation.

Reduction, PG thread

Pg

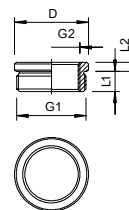
Type	External thread	Internal thread	Dimension D mm	Thread length mm	Dimension L2 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
167 R MS PG9-7	Pg 9	Pg 7	17	6	2.5	50	0.430	2089025
167 R MS PG11-7	Pg 11	Pg 7	20	6	2.5	50	1.030	2089041
167 R MS PG11-9	Pg 11	Pg 9	20	6	2.5	50	0.650	2089076
167 R MS PG13-7	Pg 13,5	Pg 7	22	6.5	2.5	50	1.520	2089092
167 R MS PG13-9	Pg 13,5	Pg 9	22	6.5	2.5	50	1.120	2089114
167 R MS PG13-11	Pg 13,5	Pg 11	22	6.5	2.5	50	0.470	2089130
167 R MS PG16-9	Pg 16	Pg 9	24	6.5	3	50	1.730	2089157
167 R MS PG16-11	Pg 16	Pg 11	24	6.5	3	50	1.050	2089173
167 R MS PG16-13	Pg 16	Pg 13,5	24	6.5	3	50	0.656	2089203
167 R MS PG21-11	Pg 21	Pg 11	30	7	3	50	2.960	2089238
167 R MS PG21-13	Pg 21	Pg 13,5	30	7	3	50	2.520	2089254
167 R MS PG21-16	Pg 21	Pg 16	30	7	3	50	1.964	2089270
167 R MS PG29-16	Pg 29	Pg 16	39	8	3.5	50	6.560	2089297
167 R MS PG29-21	Pg 29	Pg 21	39	8	3.5	50	4.273	2089319
167 R MS PG36-21	Pg 36	Pg 21	50	9	3.5	25	11.660	2089335
167 R MS PG36-29	Pg 36	Pg 29	50	9	3.5	25	6.980	2089351
167 R MS PG42-36	Pg 42	Pg 36	57	10	4	25	6.750	2089408
167 R MS PG48-36	Pg 48	Pg 36	64	10	4	25	12.840	2089424
167 R MS PG48-42	Pg 48	Pg 42	64	10	4	25	6.230	2089440

CuZn Brass

N Nickel-plated

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.



Adapter expansion M - PG

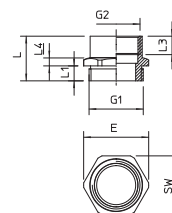
M Pg

Type	External thread	Internal thread	Pack. pcs	Weight kg/100 pcs.	Item No.
165 ADA M12-PG7	M12	PG7	20	0.590	2088301
165 ADA M16-PG9	M16	PG9	20	9.110	2088312
165 ADA M16-PG11	M16	PG11	20	2.220	2088302
165 ADA M20-PG11	M20	PG11	20	1.760	2088316
165 ADA M20-PG13	M20	PG13,5	20	1.320	2088303
165 ADA M20-PG16	M20	PG16	20	1.650	2088318
165 ADA M25-PG16	M25	PG16	20	2.540	2088304
165 ADA M25-PG21	M25	PG21	20	2.330	2088324
165 ADA M32-PG29	M32	PG29	10	4.850	2088330
165 ADA M40-PG29	M40	PG29	10	7.150	2088306
165 ADA M50-PG42	M50	PG42	10	10.110	2088307
165 ADA M63-PG48	M63	PG48	4	20.080	2088348

CuZn Brass

N Nickel-plated

Adapter for converting a metric threaded drill hole to a Pg threaded drill hole.

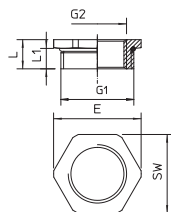


Dimensions

Type	External thread	Internal thread	SW mm	Dimension E mm	Dimension L mm	Dimension L1 mm	Dimension L3 mm	Dimension D mm
165 ADA M12-PG7	M12	PG7	14	15.5	16	6	9	8
165 ADA M16-PG9	M16	PG9	17	19	16.5	5	7	12
165 ADA M16-PG11	M16	PG11	22	24.5	16	6	7.9	12.5
165 ADA M20-PG11	M20	PG11	22	24.5	17.6	6.5	10.2	15
165 ADA M20-PG13	M20	PG13,5	22	24.5	19	6.5	11.5	16
165 ADA M20-PG16	M20	PG16	14.9	23.9	19.6	6	9	11.5
165 ADA M25-PG16	M25	PG16	27	30	20.5	7	12.5	18.3
165 ADA M25-PG21	M25	PG21	30	33.5	22.2	7	13.5	20.5
165 ADA M32-PG29	M32	PG29	40	44	24.4	8	15	27.5
165 ADA M40-PG29	M40	PG29	43	46.2	24.4	8	15	31.8
165 ADA M50-PG42	M50	PG42	57	60.8	31	9	20	44
165 ADA M63-PG48	M63	PG48	65	69.8	33	10	21	52.2



Adapter reduction M - PG



M **Pg**

Type	External thread	Internal thread	Pack. pcs	Weight kg/100 pcs.	Item No.
165 ADA M16-PG7	M16	PG7	20	5.130	2088310
165 ADA M20-PG9	M20	PG9	20	1.100	2088314
165 ADA M25-PG11	M25	PG11	20	1.940	2088320
165 ADA M25-PG13	M25	PG13,5	20	1.610	2088322
165 ADA M32-PG16	M32	PG16	10	3.790	2088328
165 ADA M32-PG21	M32	PG21	10	1.730	2088305
165 ADA M40-PG21	M40	PG21	10	6.980	2088334
165 ADA M50-PG29	M50	PG29	5	11.220	2088340
165 ADA M63-PG36	M63	PG36	5	16.950	2088344
165 ADA M63-PG42	M63	PG42	5	10.460	2088346

CuZn Brass

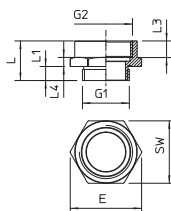
N Nickel-plated

Adapter for reducing a metric threaded drill hole to a smaller Pg threaded drill hole.

Dimensions

Type	External thread	Internal thread	SW mm	Dimension E mm	Dimension L mm	Dimension L1 mm
165 ADA M16-PG7	M16	PG7	17	19	8	5
165 ADA M20-PG9	M20	PG9	22	24.5	9	6
165 ADA M25-PG11	M25	PG11	27	30	10	7
165 ADA M25-PG13	M25	PG13,5	27	30	10	7
165 ADA M32-PG16	M32	PG16	34	36	11	8
165 ADA M32-PG21	M32	PG21	34	36	11	8
165 ADA M40-PG21	M40	PG21	43	46	12	8
165 ADA M50-PG29	M50	PG29	55	60	13	9
165 ADA M63-PG36	M63	PG36	65	69	14.2	10
165 ADA M63-PG42	M63	PG42	65	70	14.2	10

Adapter expansion PG - M



M **Pg**

Type	External thread	Internal thread	Pack. pcs	Weight kg/100 pcs.	Item No.
165 ADA PG9-M16	PG9	M16	20	1.160	2088291
165 ADA PG11-M16	PG11	M16	20	1.000	2088292
165 ADA PG13-M20	PG13,5	M20	20	2.040	2088293
165 ADA PG16-M20	PG16	M20	20	3.080	2088294
165 ADA PG16-M25	PG16	M25	20	3.320	2088295
165 ADA PG21-M25	PG21	M25	10	4.490	2088296
165 ADA PG21-M32	PG21	M32	10	4.310	2088297
165 ADA PG29-M40	PG29	M40	10	4.830	2088298
165 ADA PG36-M50	PG36	M50	5	9.250	2088299

CuZn Brass

N Nickel-plated

Adapter for converting a Pg threaded drill hole to a larger metric threaded drill hole.

Dimensions

Type	External thread	Internal thread	SW mm	Dimension E mm	Dimension L mm	Dimension L1 mm	Dimension L3 mm	Dimension D mm
165 ADA PG9-M16	PG9	M16	19	21	16	6	7.5	12
165 ADA PG11-M16	PG11	M16	20	22	17	6	10	12
165 ADA PG13-M20	PG13,5	M20	24	26	17.5	6.5	8.5	16
165 ADA PG16-M20	PG16	M20	27	29	17.5	6.5	8.3	18.4
165 ADA PG16-M25	PG16	M25	30	33.5	18.5	6.6	9.5	18.4
165 ADA PG21-M25	PG21	M25	32	33.5	19	7	10	23
165 ADA PG21-M32	PG21	M32	36	39	20	7	10.5	22.7
165 ADA PG29-M40	PG29	M40	43	46	21	8	10.8	32
165 ADA PG36-M50	PG36	M50	55	60	23	9	10.5	42

Adapter reduction PG - M

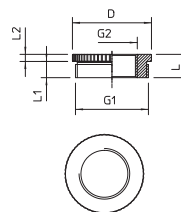
M Pg

Type	External thread	Internal thread	Pack. pcs	Weight kg/100 pcs.	Item No.
165 ADA PG29-M25	PG29	M25	20	5.730	2088289

CuZn Brass

N Nickel-plated

Adapter for converting a Pg threaded drill hole to a metric threaded drill hole.



Dimensions

Type	External thread	Internal thread	Dimension D mm	Dimension L mm	Dimension L1 mm
165 ADA PG29-M25	PG29	M25	39	11.5	8

Pressure ring, PG thread

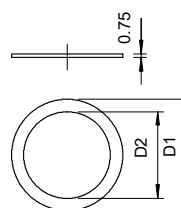
Pg

Type	Size mm	Dimension D1 mm	Dimension D2 mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 D PG7 GTP	Pg 7	11	8	100	0.020	2027070
107 D PG9 GTP	Pg 9	13.5	10	100	0.038	2027097
107 D PG11 GTP	Pg 11	16.5	12	100	0.061	2027119
107 D PG13.5 GTP	Pg 13,5	18.5	14	100	0.066	2027135
107 D PG16 GTP	Pg 16	20.5	16	100	0.074	2027151
107 D PG21 GTP	Pg 21	26	21	50	0.100	2027216

St Steel

GTP Electrogalvanised, transparently passivated

Pressure ring, Part 7, to DIN 46320, suitable for plastic and brass glands to DIN 46320.



Connection thread sealing ring, metric

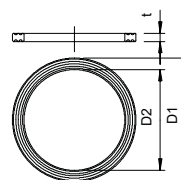
M



Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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	0.018	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

PE Polyethylene

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.



Connection thread sealing ring, metric

M

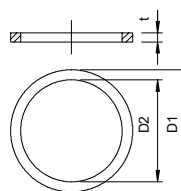
Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
170 M16	M16	19.9	16	2	100	0.040	2088428
170 M20	M20	24	20	2	100	0.066	2088436
170 M25	M25	30	25	3	100	0.170	2088444
170 M32	M32	38	32	3	100	0.270	2088452

FA Fibre-proof material DIN 28091

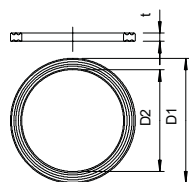
Asbestos-free material.

Connection thread sealing ring, Part 9, to DIN 46320, suitable for all brass cable glands with metric connection thread to DIN EN 60423 or ISO 68.

Colour: green, graphited on one side.



Connection thread sealing ring, PG

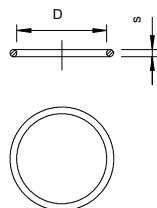


Type	Size mm	Dimension D1 mm	Dimension D2 mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 F PG7 PE	Pg 7	16.5	12.1	1.6	100	0.010	2030071
107 F PG9 PE	Pg 9	19	14.7	1.6	100	0.013	2030098
107 F PG11 PE	Pg 11	23	18	1.8	100	0.022	2030101
107 F PG13.5 PE	Pg 13,5	25	19.8	1.8	100	0.030	2030136
107 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	0.290	2030489

PE Polyethylene

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.

O sealing ring for metric connection thread

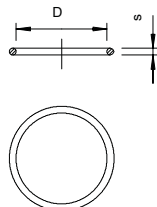


Type	Size mm	Dimension D mm	Dimension S mm	Pack. pcs	Weight kg/100 pcs.	Item No.
171 M20	M20	18	1.5	100	0.011	2088738
171 M25	M25	22	1.5	100	0.012	2088746
171 M32	M32	29	2	100	0.035	2088754

NBR Nitrile rubber

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.

O sealing ring for PG connection thread



Type	Size mm	Dimension D mm	Dimension S mm	Pack. pcs	Weight kg/100 pcs.	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

NBR Nitrile rubber

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.

Sealing plate, PG

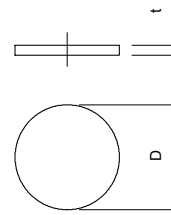
Pg

Type	Size mm	Dimen- sion D mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
107 V PG 7 PVC	Pg 7	11	0.5	100	0.013	2029707
107 V PG 9 PVC	Pg 9	13.5	0.5	100	0.020	2029715
107 V PG11 PVC	Pg 11	16.5	0.5	100	0.030	2029723
107 V PG13.5 PVC	Pg 13,5	18.5	0.5	100	0.038	2029731
107 V PG16 PVC	Pg 16	20.5	0.5	100	0.048	2029758
107 V PG21 PVC	Pg 21	26	0.5	100	0.075	2029766
107 V PG29 PVC	Pg 29	35	1	100	0.135	2029774

PVC Polyvinylchloride

The sealing plate offers both mechanical protection and the maintenance of the protection rating of plastic and metal cable glands to DIN 46320 before cable installation.








Application: the discs are placed between the pressure screw and the pressure ring. If the safe maintenance of IP65 is required, we recommend placing the discs between the pressure ring and the sealing ring. To mount the cable, remove the discs – they can be reused.





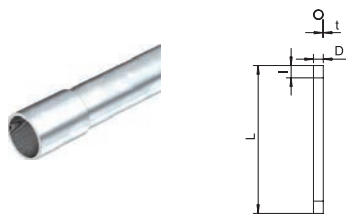


Pipe systems

	Steel pipe, electrogalvanised	178
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Electrogalvanised steel pipe, with thread



5 | 5 | 5 | 7 | 1

M E30 E90

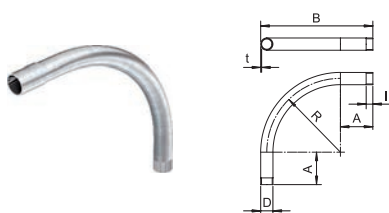
Type	Thread	Dimension D mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
SM16W G	M16x1,5	16	3000	13	1.3	30	50.390	2046861
SM20W G	M20x1,5	20	3000	13	1.5	30	66.667	2046862
SM25W G	M25x1,5	25	3000	18	1.5	30	92.290	2046863
SM32W G	M32x1,5	32	3000	18	1.5	21	120.000	2046864
SM40W G	M40x1,5	40	3000	20.5	1.5	15	151.450	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

Si Steel
G Electrogalvanised

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. One coupling is already screwed onto each pipe.

Electrogalvanised steel bend, with thread



M E30 E90

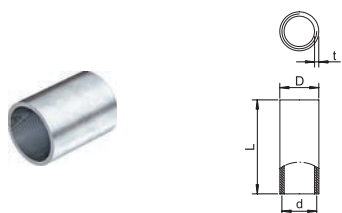
Type	Thread	Dimension A mm	Dimension B mm	Dimension D mm	Dimension l mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBNM16 G	M16x1,5	45	103	16	13	50	1.4	15	10.400	2046778
SBNM20 G	M20x1,5	55	155	20	13	90	1.6	25	21.000	2046779
SBNM25 G	M25x1,5	68	190	25	18	110	1.6	25	33.000	2046780
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

Si Steel
G Electrogalvanised

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.

Electrogalvanised steel sleeve, with thread



M E30 E90

Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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

Si Steel
G Electrogalvanised

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

Armoured steel pipe without thread, electrogalvanised

E30 E90 

Type	Dimension D mm	Dimension L mm	Dimension 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

St Steel

G Electrogalvanised

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



4 | 4 | 5 | 7 | 1

Electrogalvanised steel bend, without thread

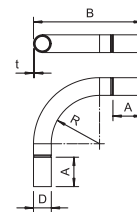
E30 E90 

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension l mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 G	43.7	103	18.6	25	50	1	15	7.200	2046808
SBN20 G	53.7	155	22.6	30	90	1	25	13.300	2046809
SBN25 G	66.5	190	28	40	110	1.2	25	24.400	2046810
SBN32 G	86.5	254	35.1	40	150	1.2	20	41.000	2046811
SBN40 G	87.2	279	43.7	50	170	1.5	15	70.200	2046812
SBN50 G	131	358	54	60	200	1.5	5	111.800	2046813
SBN63 G	163	446	67	90	250	1.5	3	174.200	2046814

St Steel

G Electrogalvanised

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



Armoured steel pipe connection sleeve without thread, electrogalvanised

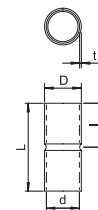
E30 E90 

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W G	18.6	16.6	50	25	1	25	2.400	2046854
SV20W G	23.1	20.7	60	30	1.2	50	4.000	2046855
SV25W G	28.1	25.7	60	30	1.2	50	5.200	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

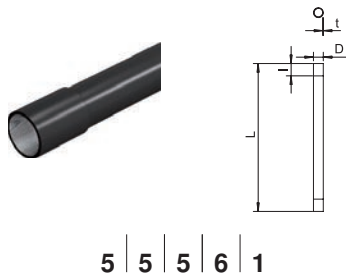
St Steel

G Electrogalvanised

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



Armoured steel pipe with thread, black



5 | 5 | 5 | 6 | 1

M E30 E90 D'E

Type	Thread	Dimension D mm	Dimension L mm	Dimension l mm	Dimension 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

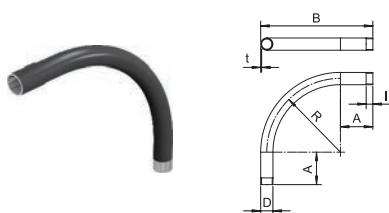
SI Steel

PE50 PES50 - Polyester/epoxy

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. One coupling is already screwed onto each pipe.

Black powder-coated steel bend, with thread



M E30 E90 D'E

Type	Thread	Dimension B mm	Dimension D mm	Dimension R mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SBNM16 SW	M16x1,5	103	16	50	Jet black	15	10.400	2046793
SBNM20 SW	M20x1,5	155	20	90	Jet black	25	21.000	2046794
SBNM25 SW	M25x1,5	190	25	110	Jet black	25	33.000	2046795
SBNM32 SW	M32x1,5	254	32	150	Jet black	20	56.600	2046796
SBNM40 SW	M40x1,5	279	40	170	Jet black	15	77.600	2046797
SBNM50 SW	M50x1,5	358	50	200	Jet black	5	125.800	2046798
SBNM63 SW	M63x1,5	446	63	250	Jet black	3	227.000	2046799

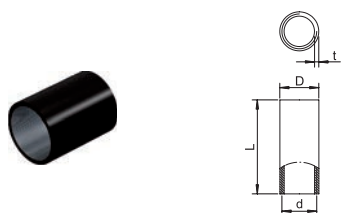
SI Steel

PE50 PES50 - Polyester/epoxy

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.

Black powder-coated steel sleeve, with thread



M E30 E90 D'E

Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Colour	Pack. pcs	Weight kg/100 pcs.	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

SI Steel

PE50 PES50 - Polyester/epoxy

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

Armoured steel pipe without thread, black

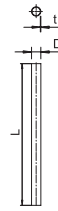
E30 E90 

Type	Dimension D mm	Dimension L mm	Dimension 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

St Steel

PE50 PES50 - Polyester/epoxy

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



4 | 4 | 5 | 6 | 1

Black powder-coated steel bend, without thread

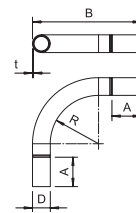
E30 E90 

Type	Dimension B mm	Dimension D mm	Dimension R mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 SW	103	16.6	50	Jet black	15	7.200	2046824
SBN20 SW	155	20.6	90	Jet black	25	13.300	2046825
SBN25 SW	190	25.6	110	Jet black	25	24.400	2046826
SBN32 SW	254	32.7	150	Jet black	20	41.000	2046827
SBN40 SW	279	40.7	170	Jet black	15	68.900	2046828
SBN50 SW	358	51	200	Jet black	5	111.800	2046829
SBN63 SW	446	64	250	Jet black	3	174.200	2046830

St Steel

PE50 PES50 - Polyester/epoxy

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



Armoured steel pipe connection sleeve without thread, black

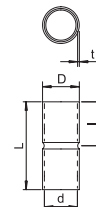
E30 E90 

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Colour	Pack. pcs	Weight kg/100 pcs.	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	5.200	2046584
SV32W SW	35.2	32.8	70	35	1.2	Jet black	50	7.200	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

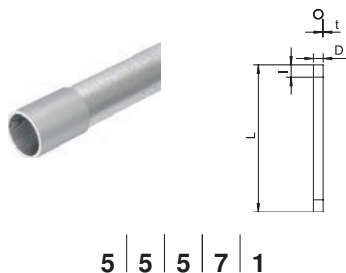
St Steel

PE50 PES50 - Polyester/epoxy

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



Hot-dip galvanised steel pipe, with thread



5 | 5 | 5 | 7 | 1

M E30 E90 D'E

Type	Thread	Dimension D mm	Dimension L mm	Dimension I mm	Dimension 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

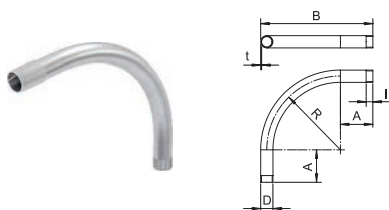
St Steel

FT Hot-dip galvanised

Electrical installation pipe according to EN 61386-1 with threaded ends to EN 60423 for mechanical protection of cables.

With burr-free inner wall. Corrosion protection class 4 (high). One coupling is already screwed onto each pipe.

Hot-dip galvanised steel bend, with thread



M E30 E90 D'E

Type	Thread	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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

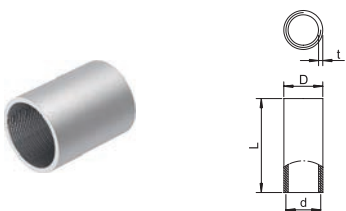
St Steel

FT Hot-dip galvanised

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.

Zinc-nickel coated steel sleeve, with thread



M E30 E90 D'E

Type	Thread	Dimension D mm	Dimension d mm	Dimension L mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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

St Steel

DN Zinc / nickel-coated

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

Hot-dip galvanised steel pipe, without thread

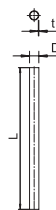
E30 E90 

Type	Dimension D mm	Dimension L mm	Dimension 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

St Steel

FT Hot-dip galvanised

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



4 | 4 | 5 | 7 | 1

Hot-dip galvanised steel bend, without thread

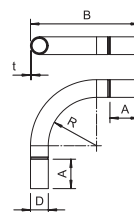
E30 E90 

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBN16 FT	43.7	103	16.6	25	50	1	15	7.200	2046816
SBN20 FT	53.7	155	20.6	30	90	1	25	13.300	2046817
SBN25 FT	66.5	190	25.6	40	110	1.2	25	24.400	2046818
SBN32 FT	86.5	254	32.7	40	150	1.2	20	41.000	2046819
SBN40 FT	87.2	279	40.7	50	170	1.5	15	68.900	2046820
SBN50 FT	131	358	51	60	200	1.5	5	111.800	2046821
SBN63 FT	163	446	64	90	250	1.5	3	174.200	2046822

St Steel

FT Hot-dip galvanised

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



Hot-dip galvanised steel sleeve, without thread

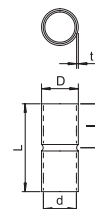
E30 E90 

Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension I mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	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	5.600	2046622
SV32W FT	35.2	32.8	70	35	1.2	50	7.800	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	28.000	2046626

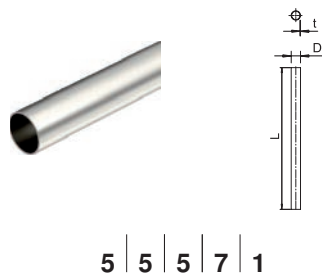
St Steel

FT Hot-dip galvanised

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



Stainless steel pipe, V2A



E30 **E90**

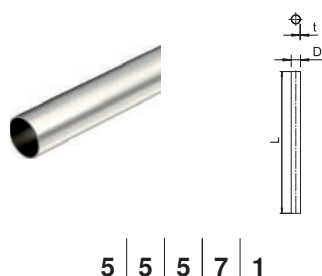
Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W A2	16	3000	1	30	37.000	2046720
S20W A2	20	3000	1	30	46.900	2046721
S25W A2	25	3000	1	30	59.200	2046722
S32W A2	32	3000	1.2	21	91.200	2046723
S40W A2	40	3000	1.2	15	114.800	2046724
S50W A2	50	3000	1.5	15	179.400	2046725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

V2A Stainless steel, A2

GEB Brushed

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

Stainless steel pipe, V4A



E30 **E90**

Type	Dimension D mm	Dimension L mm	Dimension t mm	Pack. m	Weight kg/100 m	Item No.
S16W A4	16	3000	1	15	37.000	2046750
S20W A4	20	3000	1	15	46.900	2046751
S25W A4	25	3000	1	15	59.200	2046752
S32W A4	32	3000	1.2	15	91.200	2046753
S40W A4	40	3000	1.2	9	114.800	2046754
S50W A4	50	3000	1.5	9	179.400	2046755
S63W A4	63	3000	1.5	9	227.500	2046756

V4A Stainless steel, A4

GEB Brushed

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).

Stainless steel pipe bend, V4A



E30 **E90**

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W A4	54	104	18.2	25	50	1	5	7.200	2046760
SB20W A4	66	156	22.2	30	90	1	10	13.300	2046761
SB25W A4	81.5	194	27.2	30	112.5	1	10	20.400	2046762
SB32W A4	104	250	34.7	35	146	1.25	10	42.000	2046763
SB40W A4	129	294	42.7	40	165	1.25	5	61.200	2046764
SB50W A4	158	408	52.7	50	250	1.25	5	79.500	2046765
SB63W A4	198	448	65.7	50	250	1.25	3	144.600	2046766

V4A Stainless steel, A4

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

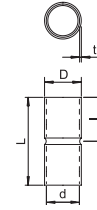
Stainless steel sleeve V4A

E30 E90

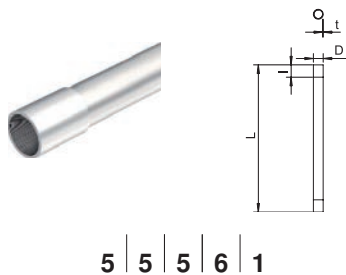
Type	Dimension D mm	Dimension d mm	Dimension L mm	Dimension l mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SV16W A4	18.2	16.2	50	25	1	10	2.100	2046770
SV20W A4	22.2	20.2	60	30	1	15	3.200	2046771
SV25W A4	27.2	25.2	60	30	1	15	3.900	2046772
SV32W A4	34.7	32.2	70	35	1.25	15	7.300	2046773
SV40W 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

V4A Stainless steel, A4

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



Aluminium pipe, with thread



M

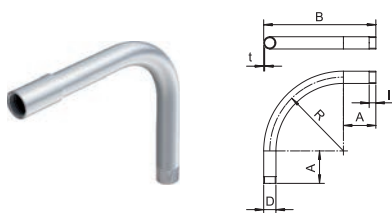
Type	Thread	Dimen- sion D mm	Dimen- sion L mm	Dimen- sion t mm	Pack. m	Weight kg/100 m	Item No.
SM16W ALU	M16x1,5	16	3000	1.6	30	19.543	2046032
SM20W ALU	M20x1,5	20	3000	1.9	30	29.170	2046033
SM25W ALU	M25x1,5	25	3000	1.9	30	37.230	2046034
SM32W ALU	M32x1,5	32	3000	1.9	30	48.510	2046035
SM40W ALU	M40x1,5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

Alu Aluminium

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.

Aluminium pipe bend, with thread



M

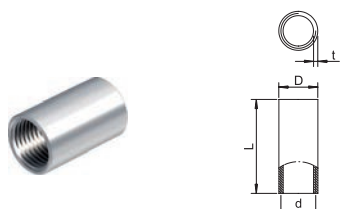
Type	Thread	Dimen- sion A mm	Dimen- sion B mm	Dimen- sion D mm	Dimen- sion l mm	Dimen- sion R mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SBM16W ALU	M16x1,5	78	150	16	15	64	1.6	15	3.300	2046042
SBM20W ALU	M20x1,5	80	170	20	15	80	1.9	25	7.300	2046043
SBM25W ALU	M25x1,5	93	208	25	20	102.5	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

Alu Aluminium

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.

Aluminium sleeve, with thread



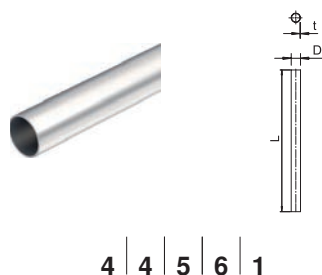
M

Type	Thread	Dimen- sion D mm	Dimen- sion d mm	Dimen- sion L mm	Dimen- sion t mm	Pack. pcs	Weight kg/100 pcs.	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

Alu Aluminium

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

Aluminium pipe, without thread



Type	Dimen- sion D mm	Dimen- sion L mm	Dimen- sion 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

Alu Aluminium

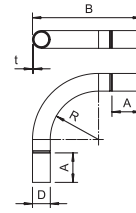
Electrical installation pipe without threaded ends to EN 61386-1 for mechanical protection of cables. With burr-free inner wall.

Aluminium pipe bend, without thread

Type	Dimension A mm	Dimension B mm	Dimension D mm	Dimension I mm	Dimension R mm	Dimension t mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SB16W ALU	78	151	16	28	64	1.2	15	2.350	2046012
SB20W ALU	80	171	20	30	80	1.2	25	5.500	2046013
SB25W ALU	93	209	25	38	102.5	1.3	25	9.000	2046014
SB32W ALU	105	253	32	40	131	1.3	20	14.100	2046015
SB40W ALU	115	302	40	50	165	1.4	15	22.400	2046016
SB50W ALU	128	360	50	63	205	1.4	5	35.400	2046017
SB63W ALU	135	425	63	70	256.5	1.7	3	59.500	2046018

Alu Aluminium

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

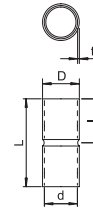


Aluminium sleeve, without thread

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

Alu Aluminium

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



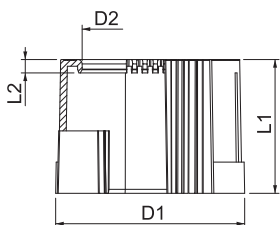
Pipe end cap, splittable, light grey



Type	Size	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm	Colour	Pack. pcs	Weight kg/100 pcs.	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 PG9	PG9	20	10	30	3	Light grey	50	0.400	2044509
129 TB PG11	PG11	24	12.5	30	3	Light grey	50	0.430	2044511
129 TB PG13,5	PG13,5	26	15	30	3	Light grey	50	0.460	2044513
129 TB PG16	PG16	28	16	30	3	Light grey	50	0.500	2044516
129 TB PG21	PG21	34	21.5	30	3	Light grey	50	0.590	2044521
129 TB PG29	PG29	38	30	30	3	Light grey	50	0.700	2044529
129 TB PG36	PG36	48	40.5	30	3	Light grey	30	0.870	2044536
129 TB PG42	PG42	60	47.5	30	3	Light grey	30	0.980	2044542
129 TB PG48	PG48	66	52	30	3	Light grey	20	1.060	2044548

PE Polyethylene

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.



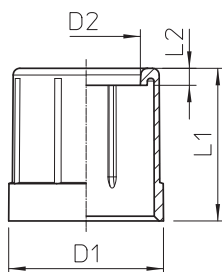
Pipe end cap, metric, light grey



Type	Size	Dimension D1 mm	Dimension D2 mm	Dimension L1 mm	Dimension L2 mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
129 M16	M16	19.4	12.5	18	2	Light grey	100	0.104	2047810
129 M20	M20	23.4	16	22.5	2.5	Light grey	100	0.205	2047829
129 M25	M25	28.4	21	27.5	2.5	Light grey	50	0.235	2047837
129 M32	M32	35.4	27.5	34	3	Light grey	50	0.440	2047853
129 M40	M40	43.4	35	41	3	Light grey	50	0.650	2047861
129 M50	M50	53.4	44.5	48	3	Light grey	25	1.000	2047888
129 M63	M63	66.4	55	59	4	Light grey	25	1.900	2047896

PE Polyethylene

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



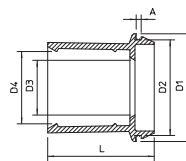
Plug-in seal for pipes, T-series junction box, light grey

IP 55 M25 M32 M40

Type	Size	Colour	Pack. pcs	Weight kg/100 pcs.	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

TPE Thermoplastic elastomer

Plug-in seal for junction boxes for direct insertion of metric pipes



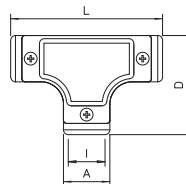
Control T piece without thread

IP 54

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

AlG Cast aluminium

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



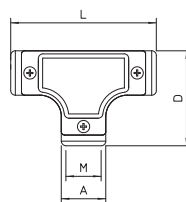
Control T piece with thread

M IP 54

Type	Size	Dimension D mm	Dimension L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
SKTM16W ALU	16	47.5	72	5	7.200	2047604
SKTM20W ALU	20	65	102	5	13.500	2047605
SKTM25W ALU	25	75	115	5	22.000	2047606
SKTM32W ALU	32	96	156	4	46.600	2047607
SKTM40W ALU	40	96	156	4	34.000	2047608
SKTM50W ALU	50	124.5	194	2	56.300	2047609

AlG Cast aluminium

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



Quick clip



Type	Nominal size	Colour	Shipping box pcs	Pack. pcs	Weight kg/100 pcs.	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	0.433	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

PP Polypropylene

OBO Quick clip, type 2955/...: for all metric steel armoured pipes, as well as light-duty and heavy-duty metric insulation pipes. Suitable for mounting the OBO Quick pipe.

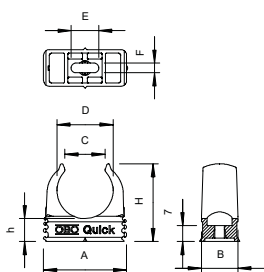
Pipe centring aids allow optimal attachment of the pipe and automatically turn the clip into the correct position.

Universal fastening option; can be arranged with the OBO Multi-quick and starQuick clip.

Slot for side alignment during mounting with wood screw or knock-in anchor.

Size M16-M32 can be screwed onto an 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	Dimension A mm	Dimension B mm	Dimension C mm	Dimension D mm	Dimension E mm	Dimension F mm	Dimension H mm	Dimension h 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

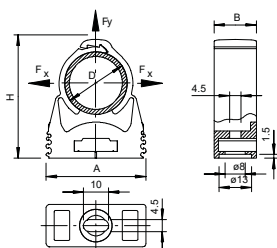
Quick clip, black

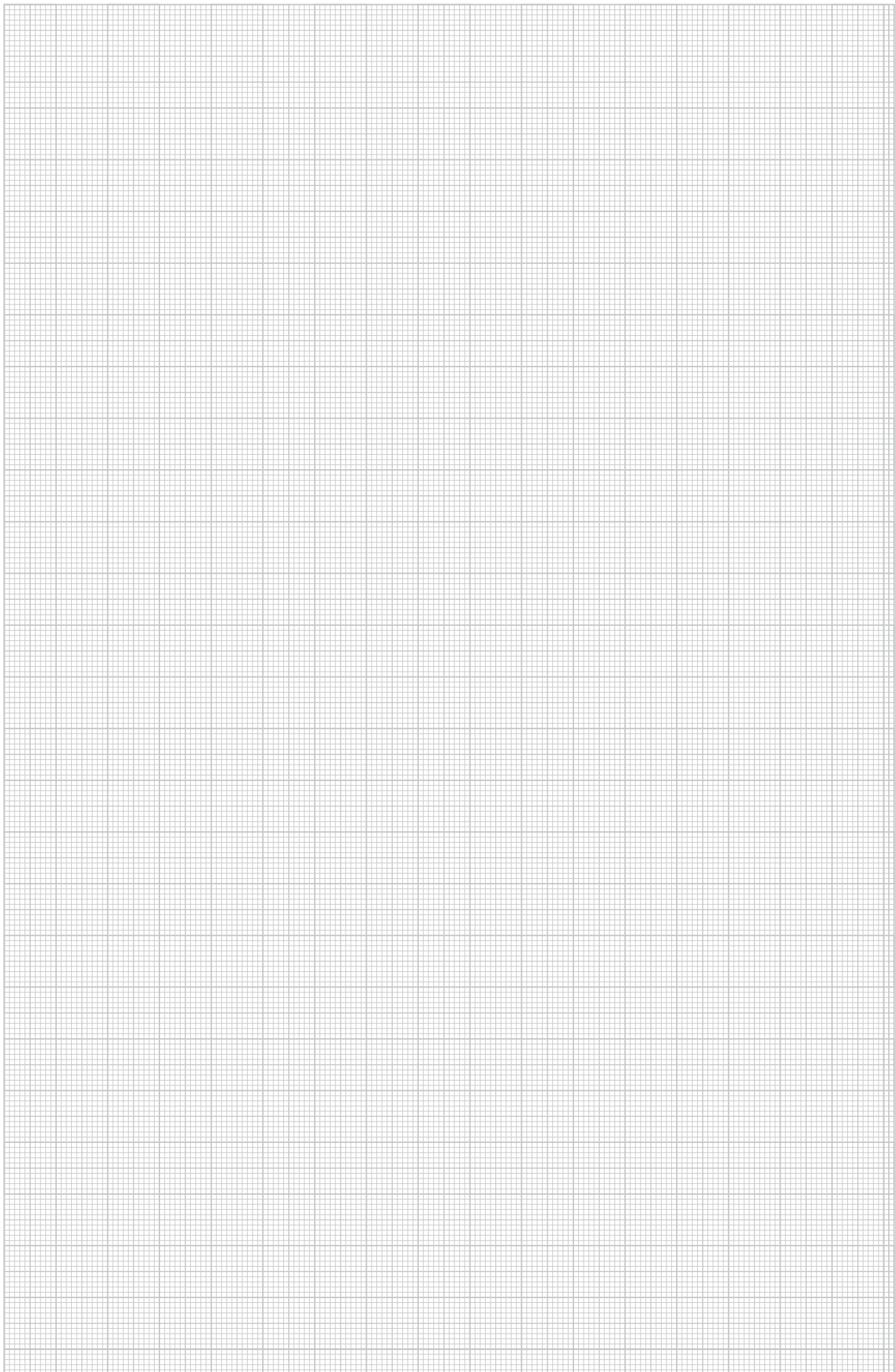


Type	Nominal size	Clamping range D mm	Breaking load kN	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
SQ-20 SW	20-23	19.5 - 23.5	0.8	Jet black	50	0.848	2146164

PP Polypropylene

Cable brackets for isCon® conductors for mounting on the building structure. Can also be used in the first 1.5 m. Can be arranged next to each other. Made from a UV and weather-resistant polyamide.









Beam clamp systems

	Beam clamps for knocking in, light-duty	194
	Beam clamps for knocking in, heavy-duty	201
	Beam clamps for screwing in, light-duty	202
	Beam clamps for screwing in, heavy-duty	203
	Special beam clamps	204



Beam clamp, with fastening hole

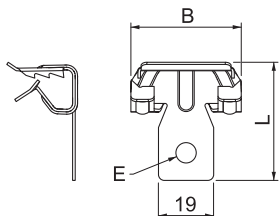


Type	Flange thickness mm	Fastening hole mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCVH 2-4	2 - 4	6.5	450	100	1.350	1483601
BCVH 4-8	4 - 8	6.5	950	100	1.660	1483603
BCVH 8-14	8 - 14	6.5	950	100	1.800	1483605
BCVH 14-20	14 - 20	6.5	950	100	1.950	1483607

St Steel

ZL Zinc scale

Beam clamp for knocking in with fastening hole as individual fastening solution on the beam.



Beam clamp, with threaded bolt

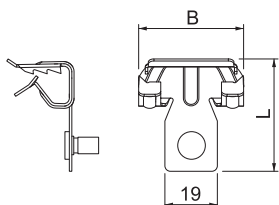


Type	Flange thickness mm	Thread	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCVTB 2-4 M6	2 - 4	M6 x 9mm	450	100	0.900	1483611
BCVTB 4-8 M6	4 - 8	M6 x 9mm	450	100	1.600	1483613
BCVTB 8-14 M6	8 - 14	M6 x 9mm	450	100	1.800	1483615
BCVTB 14-20 M6	14 - 20	M6 x 9mm	450	100	2.000	1483617

St Steel

ZL Zinc scale

Beam clamp for knocking in with threaded bolt as individual fastening solution on the beam.



Beam clamp, with female thread

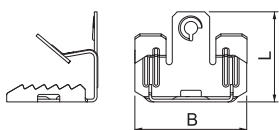


Type	Flange thickness mm	Thread	Fastening hole mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCUIT 3-7 M6	3 - 7	M6	7	350	100	2.100	1483621
BCUIT 8-12,5 M6	8 - 12	M6	7	500	100	2.450	1483623
BCUIT 14-20 M6	14 - 20	M6	7	500	100	2.700	1483625

St Steel

ZL Zinc scale

Beam clamp for knocking in with internal thread as individual fastening solution on the beam.



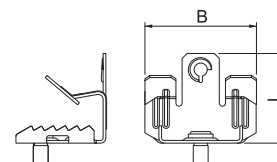
Beam clamp, with threaded bolt

Type	Flange thickness		Thread	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
	mm	mm					
BCUTB 3-7 M6	3 - 7		M6 x 9 mm	350	100	2.850	1483631
BCUTB 8-12,5 M6	8 - 12,5		M6 x 9 mm	500	100	2.900	1483633
BCUTB 14-20 M6	14 - 20		M6 x 9 mm	500	100	3.200	1483635

St Steel

Zl Zinc scale

Beam clamp for knocking in with threaded bolt as individual fastening solution on the beam.



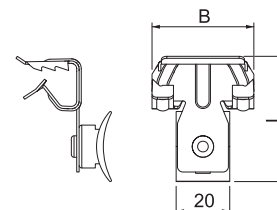
Beam clamp, with cable tie

Type	Flange thickness mm	Cable strip		Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
		length mm	Max. D Ø				
BCCT 2-4 L240	2 - 4	240	70	220	50	1.600	1483641
BCCT 4-8 L240	4 - 8	240	70	220	50	1.900	1483643
BCCT 4-8 L365	4 - 8	365	110	220	50	2.000	1483645
BCCT 8-14 L240	8 - 14	240	70	220	50	2.100	1483647
BCCT 8-14 L365	8 - 14	365	110	220	50	2.200	1483649
BCCT 14-20 L240	14 - 20	240	70	220	50	2.250	1483651
BCCT 14-20 L365	14 - 20	365	110	220	50	2.250	1483653

St Steel

Zl Zinc scale

Knock-on beam clamp with cable tie as an individual fastening solution at the beam.



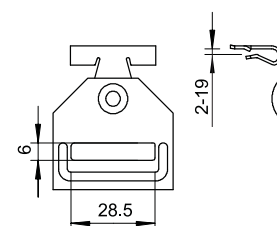
Support clamp, for installation strip

Type	Flange thickness mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TKR 9	5 - 9	0.9	100	2.400	1481711

St Steel

Zl Zinc scale

With seat for installation strip.



Beam clamp, for threaded rod

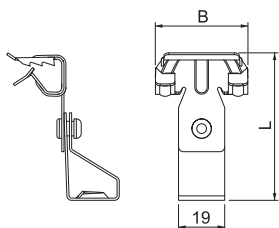


Type	Flange thickness		Breaking load	Pack. pcs	Weight kg/100 pcs.	Item No.
	mm	Thread N				
BCTR 4-8 M6	4 - 8	M6	650	50	3.100	1483661
BCTR 8-14 M6	8 - 14	M6	650	50	3.300	1483663
BCTR 4-8 M8	4 - 8	M8	700	50	3.100	1483665
BCTR 8-14 M8	8 - 14	M8	700	50	3.100	1483667
BCTR 4-8 M10	4 - 8	M10	750	50	3.100	1483669
BCTR 8-14 M10	8 - 14	M10	750	50	3.200	1483671

St Steel

ZL Zinc scale

Beam clamp for knocking in with threaded rod seat as individual fastening solution on the beam.



Beam clamp, for pipes

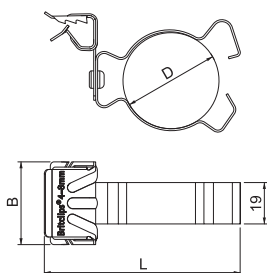


Type	Flange thickness mm	Clamping range D mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCHPC 2-4 D25	2 - 4	22 - 26	450	50	3.200	1483683
BCHPC 2-4 D32	2 - 4	30 - 32	450	50	3.850	1483685
BCHPC 4-8 D20	4 - 8	18 - 24	450	50	3.400	1483687
BCHPC 4-8 D25	4 - 8	22 - 26	450	50	3.600	1483689
BCHPC 4-8 D32	4 - 8	30 - 32	450	50	3.900	1483691
BCHPC 4-8 D40	4 - 8	36 - 40	450	50	4.800	1483693
BCHPC 8-14 D20	8 - 14	18 - 24	450	50	3.800	1483701
BCHPC 8-14 D25	8 - 14	22 - 26	450	50	3.800	1483703
BCHPC 8-14 D32	8 - 14	30 - 32	450	50	4.200	1483705
BCHPC 8-14 D40	8 - 14	36 - 40	450	50	4.500	1483707
BCHPC 14-20 D20	14 - 20	18 - 24	450	50	3.500	1483711
BCHPC 14-20 D25	14 - 20	22 - 26	450	50	4.100	1483713
BCHPC 14-20 D32	14 - 20	30 - 32	450	50	4.700	1483715
BCHPC 14-20 D40	14 - 20	36 - 40	450	50	5.600	1483717

St Steel

ZL Zinc scale

Beam clamp for knocking in with closed pipe seat as individual fastening solution on the beam.



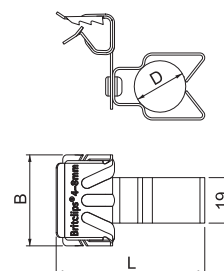
Beam clamp, for pipes

Type	Flange thickness mm	Pipe size D mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCHPO 2-4 D20	2 - 4	20	110	50	2.950	1483811
BCHPO 2-4 D25	2 - 4	25	110	50	2.000	1483813
BCHPO 2-4 D32	2 - 4	32	110	50	2.400	1483815
BCHPO 4-8 D20	4 - 8	20	110	50	3.000	1483821
BCHPO 4-8 D25	4 - 8	25	110	50	3.200	1483823
BCHPO 4-8 D32	4 - 8	32	110	50	3.000	1483825
BCHPO 8-14 D20	8 - 14	20	110	50	3.200	1483831
BCHPO 8-14 D25	8 - 14	25	110	50	3.100	1483833
BCHPO 8-14 D32	8 - 14	32	110	50	3.300	1483835
BCHPO 14-20 D20	14 - 20	20	110	50	3.200	1483841
BCHPO 14-20 D25	14 - 20	25	110	50	3.100	1483843
BCHPO 14-20 D32	14 - 20	32	110	50	3.300	1483845

St Steel

Zl Zinc scale

Beam clamp for knocking in with open pipe seat as individual fastening solution on the beam.



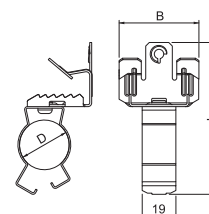
Beam clamp, for pipes

Type	Flange thickness mm	Clamping range D mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCVPC 3-7 D20	3 - 7	19 - 22	350	50	4.100	1483781
BCVPC 3-7 D25	3 - 7	23 - 25	450	50	4.500	1483783
BCVPC 3-7 D32	3 - 7	26 - 32	450	50	4.700	1483785
BCVPC 3-7 D40	3 - 7	33 - 40	450	50	5.600	1483787
BCVPC 8-12,5 D20	8 - 12,5	19 - 22	350	50	4.200	1483791
BCVPC 8-12,5 D25	8 - 12,5	23 - 25	450	50	4.700	1483793
BCVPC 8-12,5 D32	8 - 12,5	26 - 32	450	50	4.900	1483795
BCVPC 8-12,5 D40	8 - 12,5	33 - 40	450	50	5.800	1483797
BCVPC 14-20 D20	14 - 20	19 - 22	350	50	4.600	1483801
BCVPC 14-20 D25	14 - 20	23 - 25	450	50	5.200	1483803
BCVPC 14-20 D32	14 - 20	26 - 32	450	50	5.400	1483805
BCVPC 14-20 D40	14 - 20	33 - 40	450	50	6.300	1483807

St Steel

Zl Zinc scale

Beam clamp for knocking in with closed pipe seat as individual fastening solution on the beam.



Beam clamp, for pipes

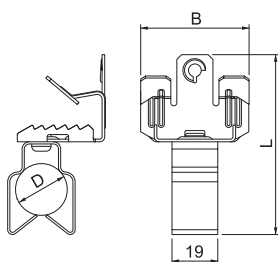


Type	Flange thickness mm	Pipe size D mm	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
BCVPO 3-7 D20	3 - 7	20	110	50	3.400	1483751
BCVPO 3-7 D25	3 - 7	25	110	50	3.500	1483753
BCVPO 3-7 D32	3 - 7	32	110	50	3.800	1483757
BCVPO 8-12,5 D20	8 - 12,5	20	110	50	4.100	1483761
BCVPO 8-12,5 D25	8 - 12,5	25	110	50	4.100	1483763
BCVPO 8-12,5 D32	8 - 12,5	32	110	50	4.100	1483765
BCVPO 14-20 D20	14 - 20	20	110	50	4.000	1483771
BCVPO 14-20 D25	14 - 20	25	110	50	4.250	1483773
BCVPO 14-20 D32	14 - 20	32	110	50	4.300	1483775

St Steel

ZL Zinc scale

Beam clamp for knocking in with open pipe seat as individual fastening solution on the beam.



Beam clamp, for pipes



Type	Flange thickness mm	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
BCC 2-4 D5,5	2 - 4	4,5 - 5,5	100	0.400	1483901
BCC 2-4 D7	2 - 4	6 - 7	100	0.400	1483903
BCC 2-4 D9	2 - 4	7 - 9	100	0.450	1483905
BCC 2-4 D11	2 - 4	10 - 12	100	0.500	1483907
BCC 2-4 D14	2 - 4	12 - 14	100	0.550	1483911
BCC 2-4 D18	2 - 4	15 - 18	100	0.700	1483915
BCC 2-4 D24	2 - 4	19 - 24	100	0.800	1483919
BCC 2-4 D30	2 - 4	25 - 30	100	0.900	1483923
BCC 4-7 D5,5	4 - 7	4,5 - 5,5	100	0.500	1483931
BCC 4-7 D7	4 - 7	6 - 7	100	0.550	1483933
BCC 4-7 D9	4 - 7	7 - 9	100	0.600	1483935
BCC 4-7 D11	4 - 7	10 - 11	100	0.700	1483937
BCC 4-7 D14	4 - 7	12 - 14	100	0.700	1483941
BCC 4-7 D18	4 - 7	15 - 18	100	0.800	1483945
BCC 4-7 D24	4 - 7	19 - 24	100	0.900	1483951
BCC 4-7 D30	4 - 7	25 - 30	100	1.100	1483955
BCC 8-12 D5,5	8 - 12	4,5 - 5,5	100	0.500	1483960
BCC 8-12 D7	8 - 12	6 - 7	100	0.600	1483961
BCC 8-12 D9	8 - 12	7 - 9	100	0.700	1483963
BCC 8-12 D11	8 - 12	10 - 11	100	0.700	1483965
BCC 8-12 D14	8 - 12	12 - 14	100	0.800	1483969
BCC 8-12 D18	8 - 12	15 - 18	100	0.900	1483973
BCC 8-12 D24	8 - 12	19 - 24	100	1.100	1483977
BCC 8-12 D30	8 - 12	25 - 30	100	1.100	1483981

St Steel

ZL Zinc scale

Beam clamp for knocking in for cables as individual fastening solution on the beam.

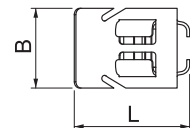
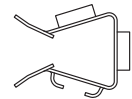
Beam clamp, for pipes

Type	Flange thickness mm	Pack. pcs	Weight kg/100 pcs.	Item No.

St Steel

Zl Zinc scale

Beam clamp adapter for knocking in. Seat for BCC beam clamps for flange thicknesses of 2 - 4 mm.



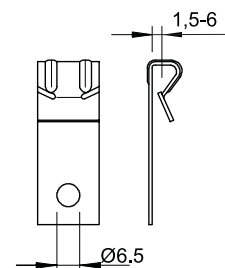
Profile suspensions

Type	Flange thickness mm	Height mm	Width mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TKL 6	4 - 6	54	12	0.72	100	1.090	1485113

St Steel

Zl Zinc scale

Profile suspension with drill hole to accept S hooks.

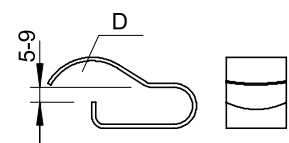


Support clip

Type	Flange thickness mm	Pipe size D mm	Pack. pcs	Weight kg/100 pcs.	Item No.

St Steel

Zl Zinc scale



Beam clamp, multifunctional

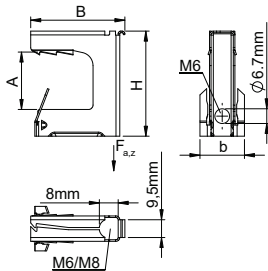


Type	Flange thickness mm	Height mm	Width mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TK MULTI 8	2 - 8	30	30	1.2	100	0.100	1485140
TK MULTI 16	8 - 16	38	32	1.2	100	0.120	1485144
TK MULTI 24	16 - 24	48	42	1.2	50	0.170	1485148

St Steel

ZDM Galvanised, MAGNI 565

The multifunctional beam clamp is suitable for fastening cables, protective pipes and cable sections on steel girders of any size (one clip for every application). Here, the beam clamp is very versatile thanks to various fastening options. Mounting of the beam clamp is quick and efficient, with no need for welding or drilling. It is simply mounted by hammering or pushing into place. The beam clamp can be used in both internal and external areas.



Beam clamp TKM Chock

Type	Flange thickness mm	For threaded rod	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TKM Chock 1 FS	8 - 20	M6 / M8	2	25	16.100	1480850
TKM Chock 2 FS	8 - 20	M8 / M10	3.5	25	16.400	1480852
TKM Chock 3 FS	8 - 20	M12	5	25	16.800	1480854

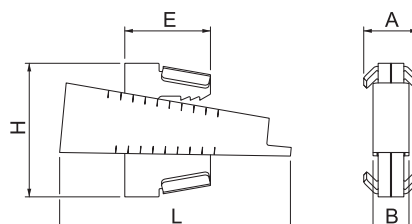
St Steel

FS Strip-galvanised

Beam clamp for knocking in on the support with flange thicknesses of 8–20 mm. Suitable for parallel and inclined flanges. Maximum flange inclination: 14%



Dimensions



Beam clamp TKM Chock

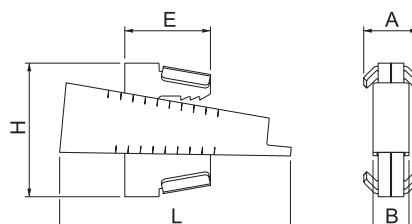
Type	Flange thickness mm	For threaded rod	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TKM Chock 2 A4	8 - 20	M8/M10	3.5	25	16.400	1480882

V4A Stainless steel, A4

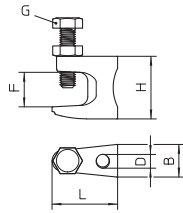
Beam clamp for knocking in on the support with flange thicknesses of 8–20 mm. Suitable for parallel and inclined flanges. Maximum flange inclination: 14%



Dimensions



Screw-in beam clamp, with thread

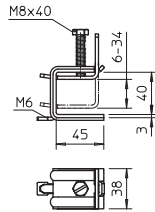


Type	Flange thickness mm	Height mm	For threaded rod	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
FL1-G M8 TG	0 - 18	35	M8	1.2	50	8.500	1488074
FL2-G M10 TG	0 - 20	42	M10	2.5	50	14.000	1488082
FL3-G M12 TG	0 - 26	54	M12	3.5	25	22.000	1488090

TG Cast iron

With thread.

Beam clamp for screwing on, light-duty



Type	Flange thickness mm	Pack. pair	Weight kg/100 pairs	Item No.
339 2	6 - 34	5	37.000	1408534

Sl Steel

G Electrogalvanised

For rapid fastening on steel profiles during the mounting of cable tracks, clamp clips, luminaire suspensions, etc. A complete system consists of two beam clamps and a piece of C profile rail of any length, as well as two protective caps.



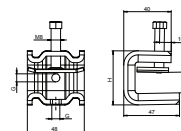
Beam clamp SSP 6-21

Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 6-21 M6 FT	6 - 21	M6	1.75	1.5	25	23.900	1486232
SSP 6-21 M6 A2	6 - 21	M6	1.75	1.5	25	23.200	1486234
SSP 6-21 M6 A4	6 - 21	M6	1.75	1.5	25	23.200	1486236
SSP 6-21 M8 FT	6 - 21	M8	1.75	1.5	25	23.900	1486282
SSP 6-21 M8 A2	6 - 21	M8	1.75	1.5	25	23.200	1486284
SSP 6-21 M8 A4	6 - 21	M8	1.75	1.5	25	23.200	1486286

St Steel V2A Stainless steel, A2 V4A Stainless steel, A4

FT Hot-dip galvanised

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



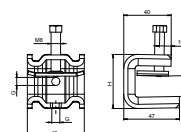
Beam clamp SSP 20-40

Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack. pcs	Weight kg/100 pcs.	Item No.
SSP 20-40 M6 FT	20 - 40	M6	1.4	1.3	25	27.700	1486238
SSP 20-40 M6 A2	20 - 40	M6	1.4	1.3	25	27.700	1486242
SSP 20-40 M6 A4	20 - 40	M6	1.4	1.3	25	27.700	1486244
SSP 20-40 M8 FT	20 - 40	M8	1.4	1.3	25	27.800	1486288
SSP 20-40 M8 A2	20 - 40	M8	1.4	1.3	25	27.800	1486292
SSP 20-40 M8 A4	20 - 40	M8	1.4	1.3	25	27.800	1486294

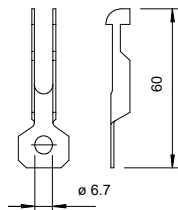
St Steel V2A Stainless steel, A2 V4A Stainless steel, A4

FT Hot-dip galvanised

This type of beam clamp is pushed onto the support and fixed to the girder or flat iron using a pressure trough and bolt (M8). The hexagonal bolt has a WAF of 10 mm. In the clip element, two additional M6 threads are also incorporated, to fix threaded rods, for example.



Profile ceiling suspensions

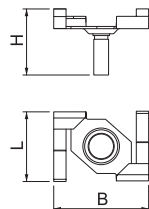


Type	Height mm	Fastening hole mm	Breaking load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
TKT	60	6.7	0.45	100	0.900	1486861

- St Steel
- Zl Zinc scale

Push-through fastening, with opening to accept S hooks or bolt and nut.

Ceiling profile clamp - CPC

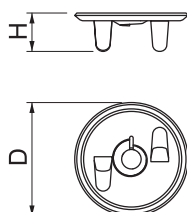


Type	Thread	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
CPC M6x11	M6 x 11mm	220	100	1.000	1483991
CPC M6x16	M6 x 16 mm	220	100	1.150	1483993
CPC M6x25	M6 x 25 mm	220	100	1.250	1483995

- St Steel
- Zl Zinc scale

Ceiling profile clamp with threaded bolt

Locknut - CPCN

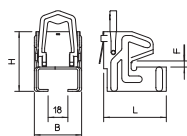


Type	Thread	Breaking load N	Pack. pcs	Weight kg/100 pcs.	Item No.
CPCN M6	M6	220	100	0.650	1483997

- St Steel
- Zl Zinc scale

Locknut for ceiling profile clamp CPC

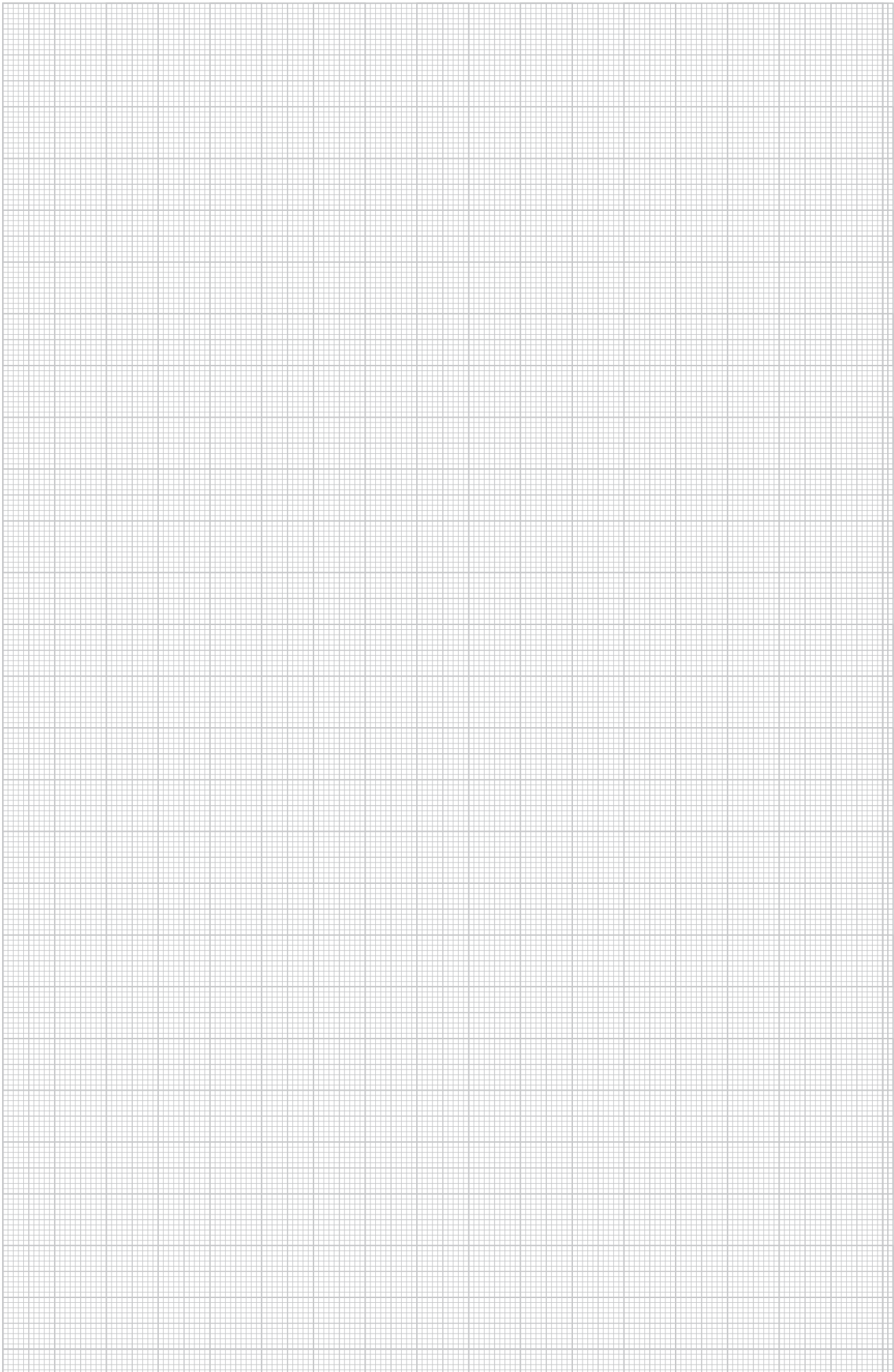
Beam clamp, for profile rail CM3518

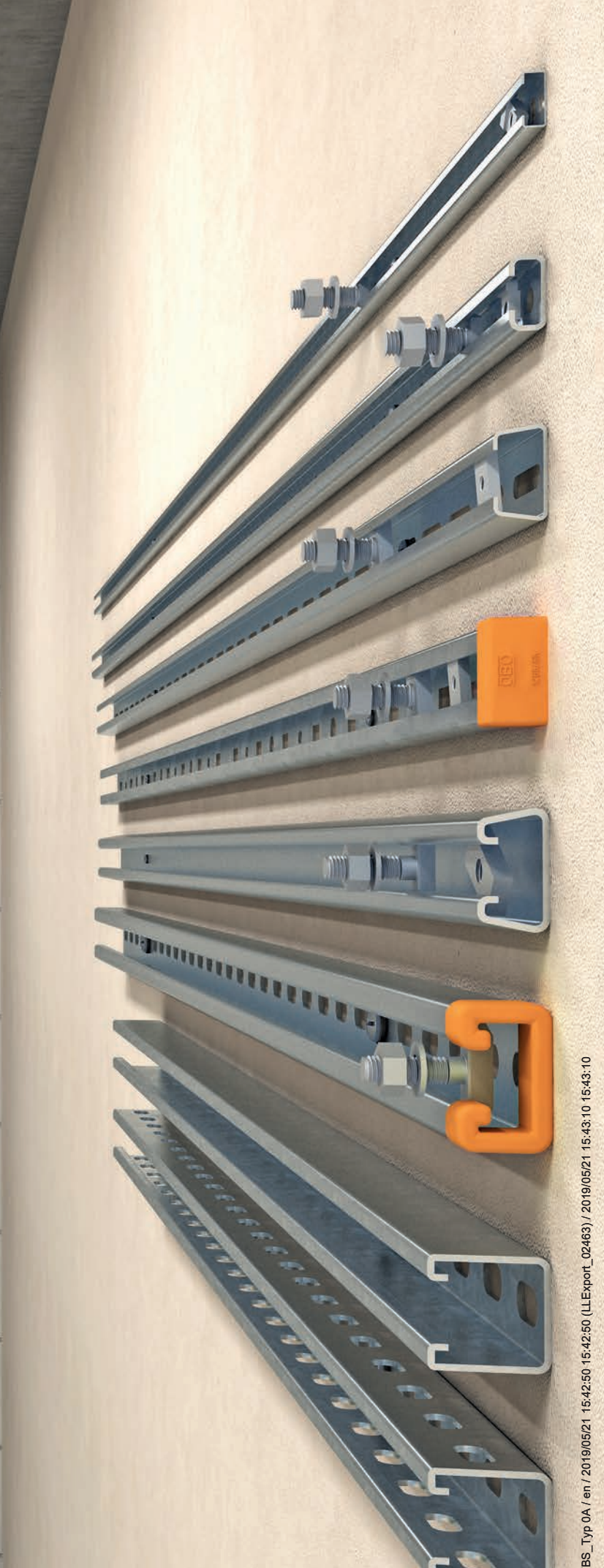
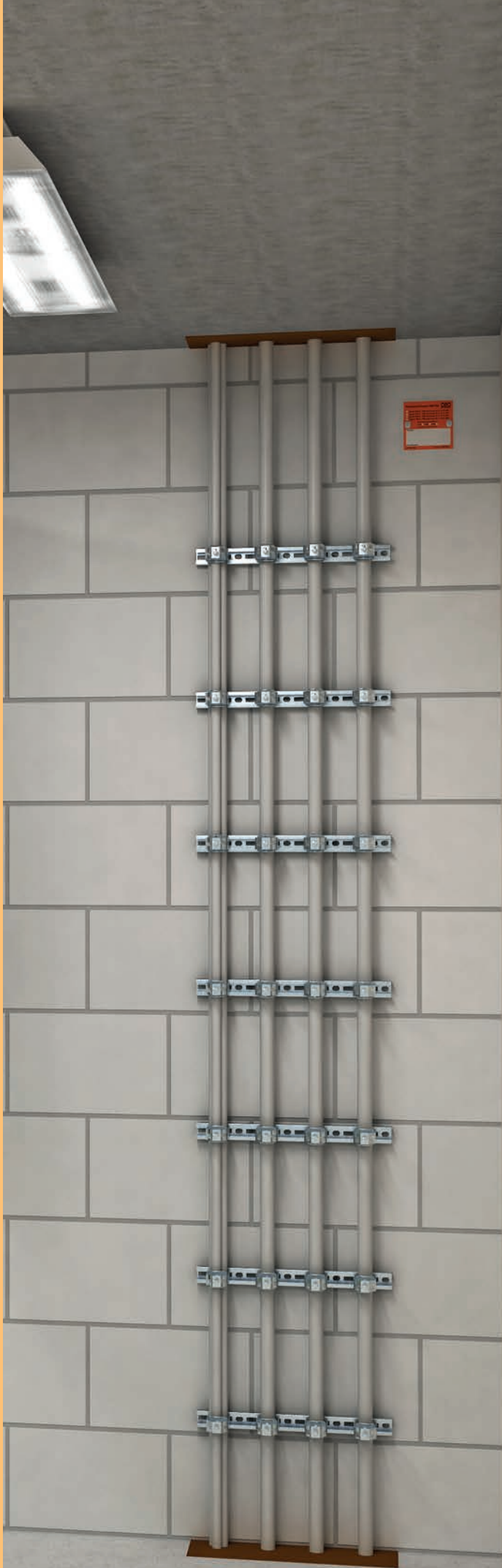


Type	Flange thickness mm	Height mm	Width mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
328 1	5 - 11	54.3	39.5	57	50	10.800	1408011
328 2	10 - 19	54.3	39.5	67	50	12.500	1408046

- St Steel
- Zl Zinc scale




Screwless rustproof coated beam clamp, with blocking spring, suitable for profile rail, type CML3518 and CMS3518. For rapid fastening to steel profiles when installing cable tracks, clamp clips, light mounts, etc. A complete system consists of 2 beam clamps and one piece of C profile rail of any length, and 2 protective caps.







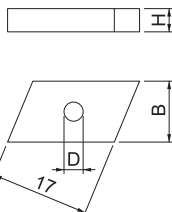
Rail systems

	Profile rail, light-duty	208
	Profile rail, medium-duty	210
	Profile rail, heavy-duty	214



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Slide nut



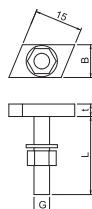
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
CL20SN M4 ZL	17	10.5	4	M4	100	0.580	1147008
CL20SN M5 ZL	17	10.5	4	M5	100	0.550	1147012
CL20SN M6 ZL	17	10.5	4	M6	100	0.530	1147016

St Steel

ZL Zinc scale

Slide nut for use with CL2008 profile rail

Hammer-head bolt



Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
CL20HB M5x25 ZL	21.1	10.5	4	M5x25mm	50	1.100	1148008
CL20HB M6x25 ZL	21.1	10.5	4	M6x25mm	50	1.420	1148012
CL20HB M8x25 ZL	21.1	10.5	4	M8x25mm	50	2.150	1148016

St Steel

ZL Zinc scale

Hammer-head bolt for use with CL2008 profile rail

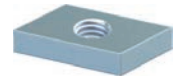
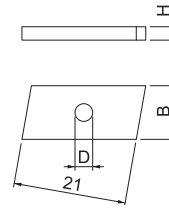
Slide nut

Type	Length	Width	Height	Thread	Pack. pcs	Weight	Item No.
	mm	mm	mm			kg/100 pcs.	
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

St Steel

ZL Zinc scale

Slide nut for use with CL2712 profile rail



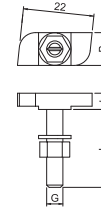
Hammer-head bolt

Type	Length	Width	Height	Thread	Pack. pcs	Weight	Item No.
	mm	mm	mm			kg/100 pcs.	
CL27HB M5x25 ZL	23	10.1	4	M5x25mm	50	1.250	1148020
CL27HB M6x25 ZL	23	10.1	4	M6x25mm	50	1.570	1148024
CL27HB M8x25 ZL	23	10.1	4	M8x25mm	50	2.300	1148028

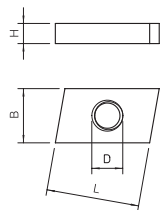
St Steel

ZL Zinc scale

Hammer-head bolt for use with CL2712 profile rail



Slide nut



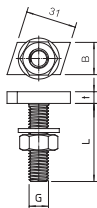
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMSN M6 ZL	26	16.5	4	M6	100	1.740	1147056
ACMSN M8 ZL	26	16.5	4	M8	100	1.640	1147060
ACMSN M10 ZL	26	16.5	4	M10	100	1.300	1147064
ACMSN M6 A4	26	16.5	4	M6	100	1.650	1147076
ACMSN M8 A4	26	16.5	4	M8	100	1.600	1147080
ACMSN M10 A4	26	16.5	4	M10	100	1.500	1147084

St Steel V4A Stainless steel, A4

ZL Zinc scale

Slide nut for use with CM3015, CM3518 and AM3518 profile rails

Hammer-head bolt



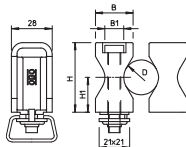
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMHB M6x30 ZL	26	16.5	5	M6x30mm	50	2.600	1148056
ACMHB M8x30 ZL	26	16.5	5	M8x30mm	50	3.450	1148060
ACMHB M8x60 ZL	26	16.5	5	M8x60mm	25	4.650	1148064
ACMHB M10x30 ZL	26	16.5	5	M10x30mm	50	4.950	1148068
ACMHB M10x60 ZL	26	16.5	5	M10x60mm	25	6.750	1148072
ACMHB M6x30 A4	26	16.5	5	M6x30mm	50	2.600	1148076
ACMHB M8x30 A4	26	16.5	5	M8x30mm	50	3.450	1148080
ACMHB M8x60 A4	26	16.5	5	M8x60mm	25	4.650	1148084
ACMHB M10x30 A4	26	16.5	5	M10x30mm	50	4.950	1148088
ACMHB M10x60 A4	26	16.5	5	M10x60mm	25	6.750	1148092

St Steel V4A Stainless steel, A4

ZL Zinc scale

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails

Series clip



Type	Clamping range D mm	Bolt	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2054 14-48 LGR	14 - 48	M8 x 55	Light grey	25	5.120	2255014

PA Polyamide

Heavy-duty version, also suitable for rails of 16 - 17 mm slot width; polyamide clip element, light grey RAL 7035.

Metal parts: electrogalvanised steel.

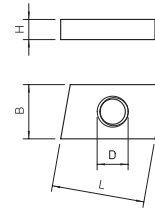
Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMSN M6 ZL	26	16.5	4	M6	100	1.740	1147056
ACMSN M8 ZL	26	16.5	4	M8	100	1.640	1147060
ACMSN M10 ZL	26	16.5	4	M10	100	1.300	1147064
ACMSN M6 A4	26	16.5	4	M6	100	1.650	1147076
ACMSN M8 A4	26	16.5	4	M8	100	1.600	1147080
ACMSN M10 A4	26	16.5	4	M10	100	1.500	1147084

St Steel V4A Stainless steel, A4

ZL Zinc scale

Slide nut for use with CM3015, CM3518 and AM3518 profile rails



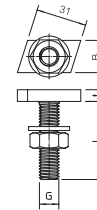
Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMHB M6x30 ZL	26	16.5	5	M6x30mm	50	2.600	1148056
ACMHB M8x30 ZL	26	16.5	5	M8x30mm	50	3.450	1148060
ACMHB M8x60 ZL	26	16.5	5	M8x60mm	25	4.650	1148064
ACMHB M10x30 ZL	26	16.5	5	M10x30mm	50	4.950	1148068
ACMHB M10x60 ZL	26	16.5	5	M10x60mm	25	6.750	1148072
ACMHB M6x30 A4	26	16.5	5	M6x30mm	50	2.600	1148076
ACMHB M8x30 A4	26	16.5	5	M8x30mm	50	3.450	1148080
ACMHB M8x60 A4	26	16.5	5	M8x60mm	25	4.650	1148084
ACMHB M10x30 A4	26	16.5	5	M10x30mm	50	4.950	1148088
ACMHB M10x60 A4	26	16.5	5	M10x60mm	25	6.750	1148092

St Steel V4A Stainless steel, A4

ZL Zinc scale

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails



Series clip

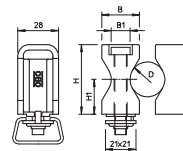


Type	Clamping range D mm	Bolt	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2054 14-48 LGR	14 - 48	M8 x 55	Light grey	25	5.120	2255014

PA Polyamide

Heavy-duty version, also suitable for rails of 16 - 17 mm slot width; polyamide clip element, light grey RAL 7035.

Metal parts: electrogalvanised steel.



Beam clamp, for profile rail CM3518

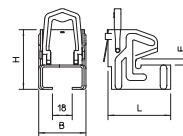
Type	Flange thickness mm	Height mm	Width mm	Length mm	Pack. pcs	Weight kg/100 pcs.	Item No.
328 1	5 - 11	54.3	39.5	57	50	10.800	1408011
328 2	10 - 19	54.3	39.5	67	50	12.500	1408046

St Steel

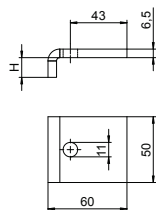
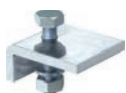
ZL Zinc scale

Screwless rustproof coated beam clamp, with blocking spring, suitable for profile rail, type CML3518 and CMS3518. For rapid fastening to steel profiles when installing cable tracks, clamp clips, light mounts, etc. A complete system consists of

2 beam clamps and one piece of C profile rail of any length, and 2 protective caps.



Clamping angle KL



Type	Height mm	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
KL1 10 S FT	10	10	22.100	6354106
KL1 15 S FT	15	10	23.400	6354114
KL1 20 S FT	20	10	25.000	6354122

- St Steel
- FT Hot-dip galvanised

Clamping lug, type KL1, to fasten light support structures to steel girder flanges.

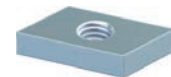
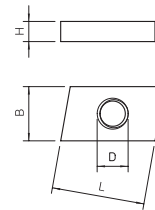
Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMSN M6 ZL	26	16.5	4	M6	100	1.740	1147056
ACMSN M8 ZL	26	16.5	4	M8	100	1.640	1147060
ACMSN M10 ZL	26	16.5	4	M10	100	1.300	1147064
ACMSN M6 A4	26	16.5	4	M6	100	1.650	1147076
ACMSN M8 A4	26	16.5	4	M8	100	1.600	1147080
ACMSN M10 A4	26	16.5	4	M10	100	1.500	1147084

St Steel **V4A** Stainless steel, A4

ZL Zinc scale

Slide nut for use with CM3015, CM3518 and AM3518 profile rails



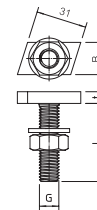
Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
ACMHB M6x30 ZL	26	16.5	5	M6x30mm	50	2.600	1148056
ACMHB M8x30 ZL	26	16.5	5	M8x30mm	50	3.450	1148060
ACMHB M8x60 ZL	26	16.5	5	M8x60mm	25	4.650	1148064
ACMHB M10x30 ZL	26	16.5	5	M10x30mm	50	4.950	1148068
ACMHB M10x60 ZL	26	16.5	5	M10x60mm	25	6.750	1148072
ACMHB M6x30 A4	26	16.5	5	M6x30mm	50	2.600	1148076
ACMHB M8x30 A4	26	16.5	5	M8x30mm	50	3.450	1148080
ACMHB M8x60 A4	26	16.5	5	M8x60mm	25	4.650	1148084
ACMHB M10x30 A4	26	16.5	5	M10x30mm	50	4.950	1148088
ACMHB M10x60 A4	26	16.5	5	M10x60mm	25	6.750	1148092

St Steel **V4A** Stainless steel, A4

ZL Zinc scale

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails



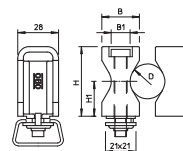
Type	Clamping range D mm	Bolt	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2054 14-48 LGR	14 - 48	M8 x 55	Light grey	25	5.120	2255014

PA Polyamide

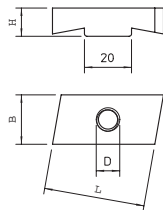
Heavy-duty version, also suitable for rails of 16 - 17 mm slot width; polyamide clip element, light grey RAL 7035.

Metal parts: electrogalvanised steel.

Series clip



Slide nut



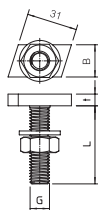
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
MS40SN M6 ZL	35	17	10	M6	50	3.750	1147106
MS40SN M8 ZL	35	17	10	M8	50	3.600	1147110
MS40SN M10 ZL	35	17	10	M10	50	3.400	1147114
MS40SN M12 ZL	35	17	10	M12	50	3.160	1147118
MS40SN M6 A4	35	17	10	M6	50	3.750	1147126
MS40SN M8 A4	35	17	10	M8	50	3.600	1147130
MS40SN M10 A4	35	17	10	M10	50	3.400	1147134
MS40SN M12 A4	35	17	10	M12	50	3.160	1147138

St Steel V4A Stainless steel, A4

ZL Zinc scale

Slide nut for use with MS4022 profile rail

Hook-head screw



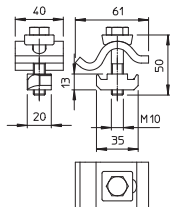
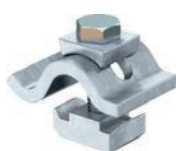
Type	Height mm	Thread	Torque Nm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS40HB M6x30 ZL	10	M6x30mm	3.3	50	4.800	1148106
MS40HB M8x30 ZL	10	M8x30mm	8	50	5.650	1148110
MS40HB M8x60 ZL	10	M8x60mm	8	25	6.850	1148114
MS40HB M10x30 ZL	7.5	M10x30mm	16.1	50	6.000	1148118
MS40HB M10x60 ZL	7.5	M10x60mm	16.1	25	7.850	1148122
MS40HB M12x30 ZL	7.5	M12x30mm	27	50	7.550	1148126
MS40HB M12x60 ZL	7.5	M12x60mm	27	25	10.250	1148130
MS40HB M6x30 A4	10	M6x30mm	2.9	50	4.800	1148146
MS40HB M8x30 A4	10	M8x30mm	7.1	50	5.650	1148150
MS40HB M8x60 A4	10	M8x60mm	7.1	25	6.850	1148154
MS40HB M10x30 A4	7.5	M10x30mm	14	50	6.000	1148160
MS40HB M10x60 A4	7.5	M10x60mm	14	25	7.850	1148164
MS40HB M12x30 A4	7.5	M12x30mm	24	50	7.550	1148168
MS40HB M12x60 A4	7.5	M12x60mm	24	25	10.250	1148170

St Steel V4A Stainless steel, A4

ZL Zinc scale

Hook-head screw for use with MS4022 profile rail

Chuck jaw, light-duty TKH



Type	Height mm	F in kN kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10	10	46.000	6355812

St Steel

FT Hot-dip galvanised

Light-duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.

MS5030 mounting rail, slot 22 mm, perforated

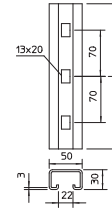


Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS5030RP0220FT	220	50 x 30	3	220	1	69.000	6349404

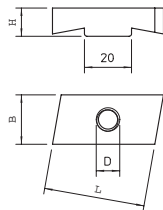
Si Steel

FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.



Slide nut



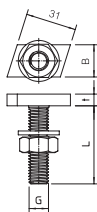
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
MS50SN M6 ZL	43	21	12	M6	50	6.700	1147156
MS50SN M8 ZL	43	21	12	M8	50	6.550	1147160
MS50SN M10 ZL	43	21	12	M10	50	6.350	1147164
MS50SN M12 ZL	43	21	12	M12	50	6.100	1147168
MS50SN M6 A4	43	21	12	M6	50	6.700	1147172
MS50SN M8 A4	43	21	12	M8	50	6.550	1147186
MS50SN M10 A4	43	21	12	M10	50	6.350	1147190
MS50SN M12 A4	43	21	12	M12	50	6.100	1147194

St Steel V4A Stainless steel, A4

ZL Zinc scale

Slide nut for use with MS5030 profile rail

Hook-head screw



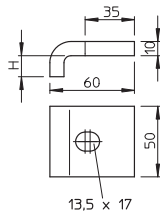
Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	Item No.
MS50HB M6x30 ZL	43	21	12	M6x30mm	50	7.800	1148206
MS50HB M8x30 ZL	43	21	12	M8x30mm	50	8.700	1148210
MS50HB M8x60 ZL	43	21	12	M8x60mm	25	9.900	1148214
MS50HB M10x30 ZL	43.3	13	10	M10x30mm	50	7.700	1148218
MS50HB M10x60 ZL	43.3	13	10	M10x60mm	25	9.450	1148222
MS50HB M12x30 ZL	43.3	13	10	M12x30mm	50	9.000	1148226
MS50HB M12x60 ZL	43.3	13	10	M12x60mm	25	11.650	1148230
MS50HB M6x30 A4	43	21	12	M6x30mm	50	7.800	1148256
MS50HB M8x30 A4	43	21	12	M8x30mm	50	8.700	1148260
MS50HB M8x60 A4	43	21	12	M8x60mm	25	9.900	1148264
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

St Steel V4A Stainless steel, A4

ZL Zinc scale

Hook-head screw for use with MS5030 profile rail

Clamping angle KWH



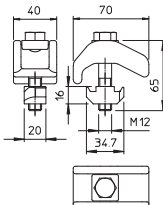
Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
KWH 5 FT	5	5.7	10	67.000	6355021
KWH 10 FT	10	5.7	10	73.000	6355048
KWH 15 FT	15	5.7	10	76.000	6355056
KWH 20 FT	20	5.7	10	82.000	6355064
KWH 25 FT	25	5.7	10	87.000	6355072

St Steel

FT Hot-dip galvanised

Clamping profile, with hook-head bolt, type KWH, for fastening in the mounting rail, type MS5030.

Chuck jaw, heavy-duty TKH



Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-S-30 FT	30	21	10	88.600	6355804

St Steel

FT Hot-dip galvanised

Heavy-duty chuck jaw with slide nut for fastening profile rails to steel girders.

MS4121 mounting rail, slot width 22 mm, perforated

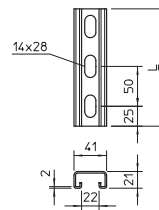


Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. m	Weight kg/100 m	Item No.
MS4121P2000FS	2000	41x21	2	2000	2	175.000	1122918
MS4121P3000FS	3000	41x21	2	3000	3	141.900	1122920
MS4121P6000FS	6000	41x21	2	6000	6	141.900	1122922
MS4121P2000FT	2000	41x21	2	2000	2	183.000	1122923
MS4121P3000FT	3000	41x21	2	3000	3	151.300	1122924
MS4121P2000A4	2000	41x21	2	2000	2	175.000	1122476

St Steel V4A Stainless steel, A4

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.



MS4141 mounting rail, slot width 22 mm, perforated

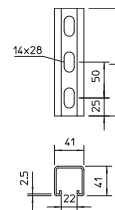


Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. m	Weight kg/100 m	Item No.
MS4141P1000FS	1000	41x41	2.5	1000	1	247.500	1122908
MS4141P3000FS	3000	41x41	2.5	3000	3	247.500	1122910
MS4141P6000FS	6000	41x41	2.5	6000	6	247.500	1122912
MS4141P1000FT	1000	41x41	2.5	1000	1	261.400	1122606
MS4141P3000FT	3000	41x41	2.5	3000	3	261.400	1122622
MS4141P6000FT	6000	41x41	2.5	6000	6	260.670	1122657

St Steel

FS Strip-galvanised FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.



MS4141 mounting rail, slot width 22 mm, perforated

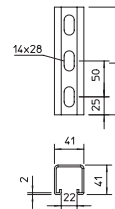


Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. m	Weight kg/100 m	Item No.
MSL4141P3000FT	3000	41x41	2	3000	3	214.700	1122964

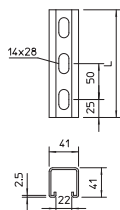
St Steel

FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.



MS4141 mounting rail, slot width 22 mm, perforated



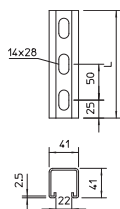
Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4141P0200FT	200	41x41	2.5	200	1	52.400	1122509
MS4141P0300FT	300	41x41	2.5	300	1	78.500	1122517
MS4141P0400FT	400	41x41	2.5	400	1	104.700	1122525
MS4141P0500FT	500	41x41	2.5	500	1	130.800	1122533
MS4141P0600FT	600	41x41	2.5	600	1	156.900	1122541
MS4141P0700FT	700	41x41	2.5	700	1	183.000	1122568
MS4141P0800FT	800	41x41	2.5	800	1	209.200	1122576
MS4141P0900FT	900	41x41	2.5	900	1	235.300	1122584

St Steel

FT Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4141 mounting rail, slot width 22 mm, side-perforated



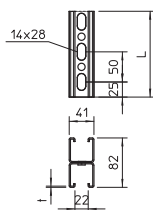
Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. m	Weight kg/100 m	Item No.
MS4141PP1000FS	1000	41x41	2.5	1000	1	281.000	1122481
MS4141PP3000FS	3000	41x41	2.5	3000	3	218.000	1122914
MS4141PP6000FS	6000	41x41	2.5	6000	6	218.340	1122916
MS4141PP1000FT	1000	41x41	2.5	1000	1	225.000	1122479
MS4141PP3000FT	3000	41x41	2.5	3000	3	233.340	1122483
MS4141PP6000FT	6000	41x41	2.5	6000	6	225.000	1122487

St Steel

FS Strip-galvanised **FT** Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

MS4141 mounting rail, slot width 22 mm, double, perforated



Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. m	Weight kg/100 m	Item No.
MS4182P3000FS	3000	41x82	2	3000	3	402.200	1122676
MS4182P6000FS	6000	41x82	2	6000	6	402.200	1122678
MS4182P3000FT	3000	41x82	2	3000	3	402.200	1122671
MS4182P6000FT	6000	41x82	2	6000	6	402.200	1122673
MS4182P3000A2	3000	41x82	2	3000	3	402.200	1122682
MS4182P6000A2	6000	41x82	2	6000	6	402.200	1122684

St Steel **V2A** Stainless steel, A2

FS Strip-galvanised **FT** Hot-dip galvanised

Heavy-duty profile/mounting rail with continuous perforation in base, slot width 22 mm. Double version, i.e. two profile rails are interconnected on the base (clinched).

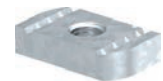
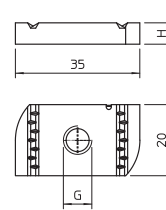
Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	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
MS41SN M6 A4	35	20	6	M6	50	2.880	1147226
MS41SN M8 A4	35	20	6	M8	50	2.800	1147230
MS41SN M10 A4	35	20	8	M10	50	3.650	1147234
MS41SN M12 A4	35	20	9.5	M12	50	4.200	1147238

St Steel V4A Stainless steel, A4

ZL Zinc scale

Slide nut for use with MS4121 und MS4141 profile rails



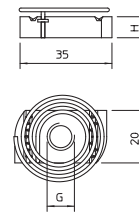
Slide nut with spring

Type	Length mm	Width mm	Height mm	Thread	Pack. pcs	Weight kg/100 pcs.	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
MS41SNF M6 A4	35	20	6	M6	50	3.200	1147336
MS41SNF M8 A4	35	20	6	M8	50	3.150	1147340
MS41SNF M10 A4	35	20	8	M10	50	4.000	1147344
MS41SNF M12 A4	35	20	9.5	M12	50	4.550	1147348

St Steel V4A Stainless steel, A4

F Hot-dip galvanised

Slide nut with spring for use with MS4121 und MS4141 profile rails



Hammer-head bolt

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack. pcs	Weight kg/100 pcs.	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
MS41HB M6x30 A4	35	20	6	M6x30	3.4	50	4.000	1148406
MS41HB M8x30 A4	35	20	6	M8x30	6.2	50	4.800	1148410
MS41HB M8x60 A4	35	20	6	M8x60	6.2	25	6.000	1148414
MS41HB M8x100 A4	35	20	6	M8x100	6.2	20	7.550	1148418
MS41HB M10x30 A4	35	20	8	M10x30	9.9	50	7.350	1148422
MS41HB M10x60 A4	35	20	8	M10x60	9.9	25	9.200	1148426
MS41HB M10x100A4	35	20	8	M10x100	9.9	20	11.650	1148430
MS41HB M12x30 A4	35	20	9.5	M12x30	14.4	50	9.700	1148434
MS41HB M12x60 A4	35	20	9.5	M12x60	14.4	25	12.400	1148438
MS41HB M12x100A4	35	20	9.5	M12x100	14.4	20	15.900	1148442

St Steel V4A Stainless steel, A4

ZL Zinc scale

Hammer-head bolt for use with MS4121 und MS4141 profile rails



Hammer-head bolt with spring



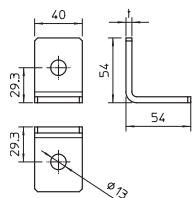
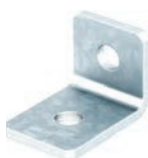
Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS41HBF M8x30 F	35	20	6	M8x30	8	50	5.200	1148376
MS41HBF M8x60 F	35	20	6	M8x60	8	25	6.300	1148380
MS41HBF M10x30 F	35	20	8	M10x30	16.1	50	7.700	1148384
MS41HBF M10x60 F	35	20	8	M10x60	16.1	25	9.550	1148388
MS41HBF M12x30 F	35	20	9.5	M12x30	27	50	10.000	1148392
MS41HBF M12x60 F	35	20	9.5	M12x60	27	25	12.700	1148396
MS41HBF M8x30 A4	35	20	6	M8x30	6.2	50	4.800	1148476
MS41HBF M8x60 A4	35	20	6	M8x60	6.2	25	5.950	1148480
MS41HBF M10x30A4	35	20	8	M10x30	9.9	50	7.350	1148484
MS41HBF M10x60A4	35	20	8	M10x60	9.9	25	9.200	1148488
MS41HBF M12x30A4	35	20	9.5	M12x30	14.4	50	9.700	1148492
MS41HBF M12x60A4	35	20	9.5	M12x60	14.4	25	12.400	1148496

St Steel V4A Stainless steel, A4

F Hot-dip galvanised

Hammer-head bolt with spring for use with MS4121 und MS4141 profile rails

Mounting bracket, 90° with 2 holes



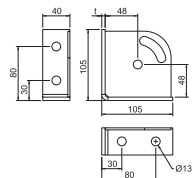
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 2 VW 90 FT	90° angle	10	14.000	1124659

St Steel

F Hot-dip galvanised

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.

Mounting bracket, 90° with 6 holes



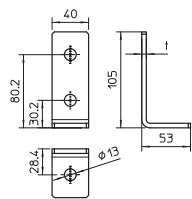
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 6 KD FT	90° bracket	10	50.900	1124792
GMS 6 KD A2	90° bracket	10	48.800	1124796
GMS 6 KD A4	90° bracket	10	48.800	1124798

St Steel V2A Stainless steel, A2 V4A Stainless steel, A4

F Hot-dip galvanised

Reinforced mounting bracket with 6 holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°. Additional fastening option for a strut at an angle of 45° with an adjusting range of +/- 30°. Can be used for angles between 15° and 75°.

Mounting bracket, 90° with 3 holes



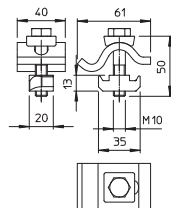
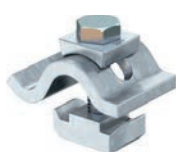
Type	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
GMS 3 VW 90 FT	90° angle	10	25.910	1124661

St Steel

F Hot-dip galvanised

Installation profile with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.

Chuck jaw, light-duty TKH



Type	Height mm	F in kN	Pack. pair	Weight kg/100 pairs	Item No.
TKH-L-25 FT	25	10	10	46.000	6355812

St Steel

F Hot-dip galvanised

Light-duty tensioning claw with slide nut for fixing mounting rails to steel girder flanges.

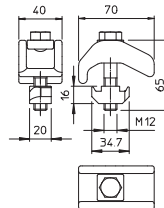
Chuck jaw, heavy-duty TKH

Type	Height F in kN		Pack. pair	Weight		Item No.
	mm	kN		kg/100 pairs		
TKH-S-30 FT	30	21	10	88.600		6355804

St Steel

FT Hot-dip galvanised

Heavy-duty chuck jaw with slide nut for fastening profile rails to steel girders.



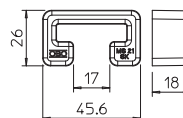
Protective cap MS4121



Type	Colour	Shipping box pcs	Pack. pcs	Weight		Item No.
				kg/100 pcs.		
MS4121 SK	Pastel orange	300	25	0.650		1122902

PE Polyethylene

Protective caps for profile rail, type MS4121.

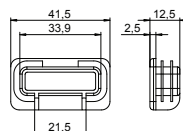


End cap MS4121

Type	Colour	Pack. pcs	Weight		Item No.
			kg/100 pcs.		
MS4121 EK	Pastel orange	50	0.645		1122904

PE Polyethylene

End cap for profile rail, type MS4121.



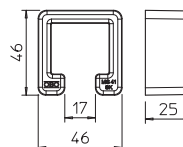
Protective cap MS4141



Type	Colour	Shipping box pcs	Pack. pcs	Weight		Item No.
				kg/100 pcs.		
MS4141 SK	Pastel orange	300	25	1.320		1122900

PE Polyethylene

Protective caps for profile rail, type MS4141.

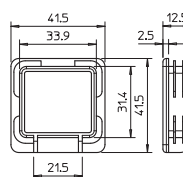


End cap MS4141

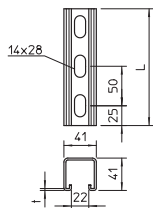
Type	Colour	Pack. pcs	Weight		Item No.
			kg/100 pcs.		
MS4141 EK	Pastel orange	50	0.670		1122906

PE Polyethylene

End cap for profile rail, type MS4141.



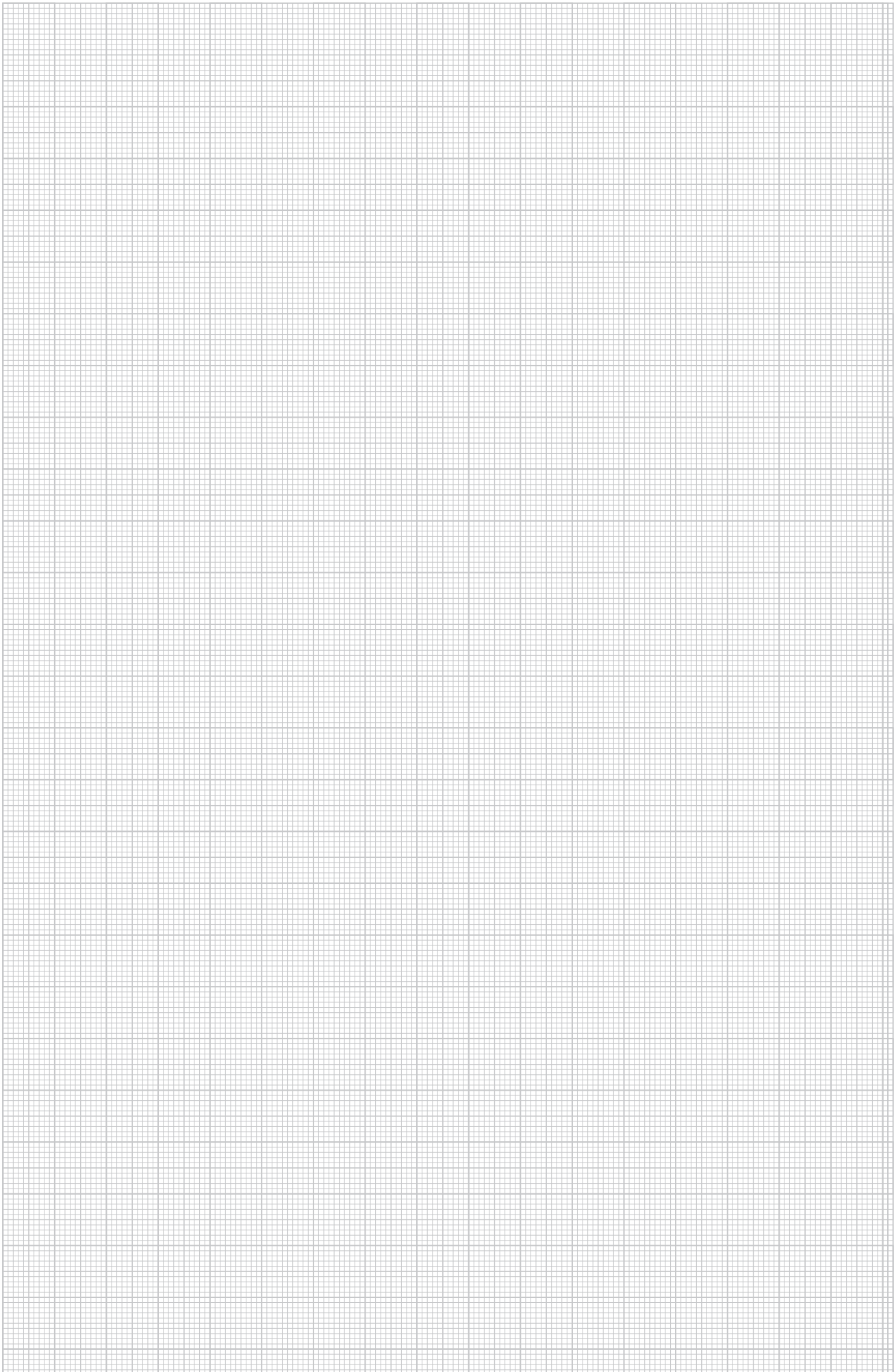
MS4141PP mounting rail, slot width 22 mm, perforated



Type	Length mm	Dimension W x H mm	Material thickness mm	Dimen- sion L mm	Pack. pcs	Weight kg/100 pcs.	Item No.
MS4141PP0300FT	300	41x41	2.5	300	1	67.000	1122500
MS4141PP0400FT	400	41x41	2.5	400	1	90.000	1122501








- St** Steel
- Fl** Hot-dip galvanised

Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

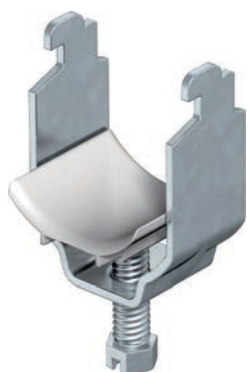




Clamp clip systems

	Clamp clips, N base	226
	Clamp clips, hammer-head base	228
	Clamp clips, U base	234
	Fastening to flat steel	238
	Fastening to angular steel	241
	Clamp clip, special application	243
	Clamp clips, system accessories	245

Clamp clip, single, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	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
2056N 12 ALU	8 - 12	50	0.900	1183605
2056N 16 ALU	12 - 16	50	1.090	1183613
2056N 22 ALU	16 - 22	50	1.200	1183621
2056N 28 ALU	22 - 28	50	1.700	1183648
2056N 34 ALU	28 - 34	50	2.200	1183656
2056N 40 ALU	34 - 40	50	2.350	1183664
2056N 46 ALU	40 - 46	50	2.550	1183672
2056N 52 ALU	46 - 52	50	2.880	1183680
2056N 58 ALU	52 - 58	50	4.100	1183699

St Steel Alu Aluminium

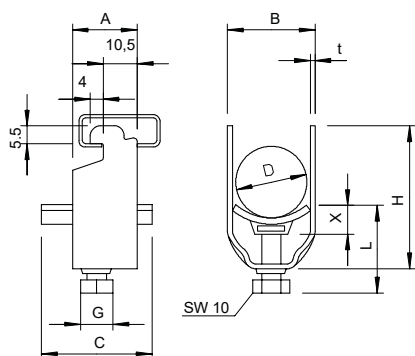
FT Hot-dip galvanised

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	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension 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

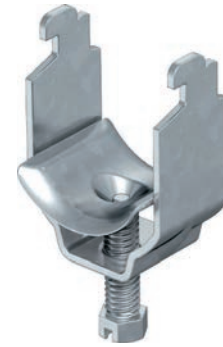


Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056N M 12 FT	8 - 12	100	2.450	1155407
2056N M 16 FT	12 - 16	100	2.800	1155415
2056N M 22 FT	16 - 22	100	3.150	1155423
2056N M 28 FT	22 - 28	100	4.900	1155431
2056N M 34 FT	28 - 34	100	6.400	1155458
2056N M 40 FT	34 - 40	100	7.000	1155466
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

St Steel

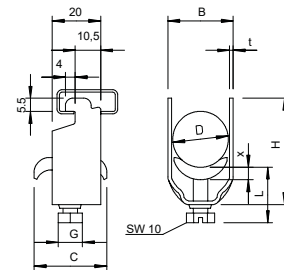
FT Hot-dip galvanised

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.



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension 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

Dimensions



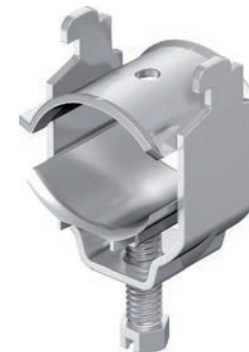
Clamp clips for screen connection



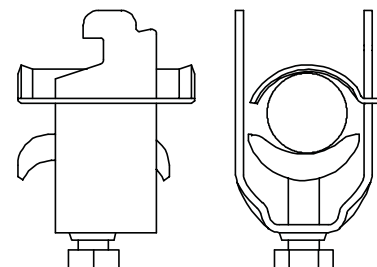
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056N SAS 8 A2	4 - 8	50	2.900	1167006
2056N SAS 12 A2	8 - 12	50	3.700	1167014
2056N SAS 16 A2	12 - 16	50	4.200	1167022
2056N SAS 22 A2	16 - 22	50	4.850	1167030
2056N SAS 28 A2	22 - 28	50	6.600	1167049

V2A Stainless steel, A2

For electrical connection of the braided shield of stripped cables. Delivery complete with counter-trough; pressure trough and VA counter-trough. A cable screen for protection against electromagnetic influences, can also contribute towards equipotential bonding as both ends are connected to the reference potential.



Dimensions



Clamp clip, single, plastic pressure trough



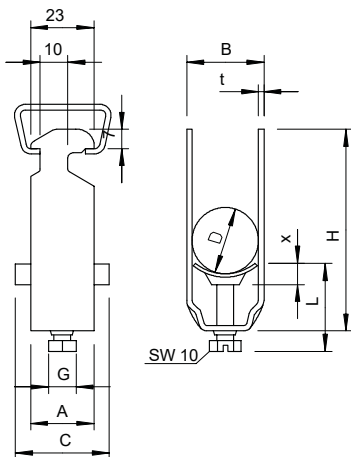
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 12 FT	8 - 12	100	3.540	1160125
2056 16 FT	12 - 16	100	3.820	1160168
2056 22 FT	16 - 22	100	4.508	1160222
2056 28 FT	22 - 28	100	6.240	1160281
2056 34 FT	28 - 34	100	7.680	1160346
2056 40 FT	34 - 40	100	8.260	1160400
2056 46 FT	40 - 46	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	27.800	1160990
2056 12 A2	8 - 12	50	3.300	1159518
2056 16 A2	12 - 16	50	3.600	1159526
2056 22 A2	16 - 22	50	4.200	1159534
2056 28 A2	22 - 28	50	6.500	1159542
2056 34 A2	28 - 34	50	7.400	1159550
2056 40 A2	34 - 40	25	8.000	1159569
2056 46 A2	40 - 46	25	10.900	1159577
2056 52 A2	46 - 52	25	11.400	1159585
2056 58 A2	52 - 58	25	14.500	1159593
2056 64 A2	58 - 64	15	15.600	1159607
2056 70 A2	64 - 70	15	18.200	1159615
2056 76 A2	70 - 76	10	20.800	1159623
2056 12 ALU	8 - 12	100	0.750	1183206
2056 16 ALU	12 - 16	100	0.900	1183214
2056 22 ALU	16 - 22	100	1.050	1183222
2056 28 ALU	22 - 28	100	1.500	1183230
2056 34 ALU	28 - 34	100	2.300	1183249
2056 40 ALU	34 - 40	100	2.700	1183257
2056 46 ALU	40 - 46	100	3.600	1183265
2056 52 ALU	46 - 52	100	3.900	1183273
2056 58 ALU	52 - 58	50	4.200	1183281
2056 64 ALU	58 - 64	50	4.500	1183303
2056 70 ALU	64 - 70	50	5.400	1183311
2056 76 ALU	70 - 76	25	5.850	1183338

St Steel Alu Aluminium V2A Stainless steel, A2
 FT Hot-dip galvanised

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.

Dimensions



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension 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

Clamp clip, double, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 2 12 FT	8 - 12	50	4.100	1161121
2056 2 16 FT	12 - 16	50	4.650	1161164
2056 2 22 FT	16 - 22	50	5.120	1161229
2056 2 28 FT	22 - 28	50	7.700	1161288
2056 2 34 FT	28 - 34	50	10.200	1161342
2056 2 40 FT	34 - 40	50	11.450	1161407
2056 2 46 FT	40 - 46	50	14.900	1161466
2056 2 52 FT	46 - 52	50	16.700	1161520
2056 2 58 FT	52 - 58	50	21.400	1161571
2056 2 64 FT	58 - 64	50	24.250	1161644
2056 2 22 A2	16 - 22	50	5.150	1161822
2056 2 28 A2	22 - 28	50	7.700	1161830
2056 2 34 A2	28 - 34	50	10.200	1161849
2056 2 40 A2	34 - 40	25	14.350	1161857
2056 2 46 A2	40 - 46	25	14.950	1161865
2056 2 52 A2	46 - 52	25	16.700	1161873
2056 2 58 A2	52 - 58	25	21.400	1161881
2056 2 64 A2	58 - 64	15	24.250	1161903
2056 2 12 ALU	8 - 12	50	1.000	1183389
2056 2 16 ALU	12 - 16	50	1.250	1183397
2056 2 22 ALU	16 - 22	50	1.500	1183400
2056 2 28 ALU	22 - 28	50	2.000	1183419
2056 2 34 ALU	28 - 34	50	3.200	1183427
2056 2 40 ALU	34 - 40	50	3.750	1183435
2056 2 46 ALU	40 - 46	50	4.850	1183443
2056 2 52 ALU	46 - 52	50	5.300	1183451
2056 2 58 ALU	52 - 58	50	6.000	1183478

St Steel Alu Aluminium V2A Stainless steel, A2

FT Hot-dip galvanised

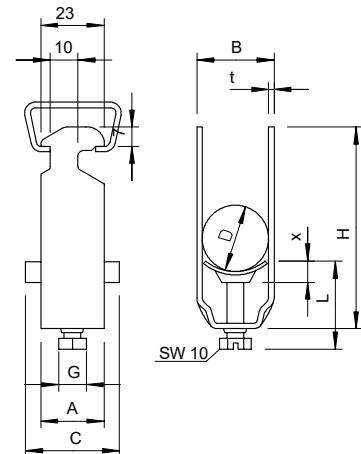
Suitable for all C profile rails with slot width 16–17 mm.

Hot-dip galvanised steel clip and bolt, polypropylene pressure trough, halogen-free, colour light grey RAL 7035.

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 2 12 FT	8 - 12	23	16	34	M6	1.5	4.5	52	34	3
2056 2 16 FT	12 - 16	23	20	34	M6	1.5	4.5	61	34	3
2056 2 22 FT	16 - 22	23	27	34	M6	1.5	5	73	47	3
2056 2 28 FT	22 - 28	23	33	34	M6	2	5	87	47	3
2056 2 34 FT	28 - 34	23	39	34	M8	2	6	101	44.5	5
2056 2 40 FT	34 - 40	23	45	34	M8	2	6	114	44.5	5
2056 2 46 FT	40 - 46	23	51	40	M8	2	6	129	44.5	5
2056 2 52 FT	46 - 52	23	57	40	M8	2	6.5	129	45.5	5
2056 2 58 FT	52 - 58	23	64	40	M8	2.5	6.5	154	45.5	5
2056 2 64 FT	58 - 64	23	70	40	M8	2.5	6.5	167	44.5	5



Dimensions



Clamp clip, triple, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 3 12 FT	8 - 12	50	4.900	1162128
2056 3 16 FT	12 - 16	50	6.200	1162160
2056 3 22 FT	16 - 22	50	7.100	1162225
2056 3 28 FT	22 - 28	50	10.650	1162284
2056 3 34 FT	28 - 34	50	13.100	1162349
2056 3 40 FT	34 - 40	50	14.350	1162403
2056 3 46 FT	40 - 46	25	19.800	1162462
2056 3 22 ALU	16 - 22	50	2.050	1183524
2056 3 28 ALU	22 - 28	50	2.900	1183532
2056 3 34 ALU	28 - 34	50	4.200	1183540

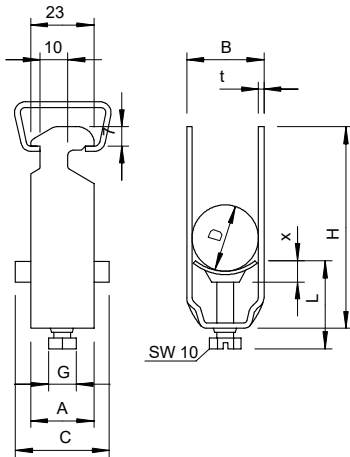
St Steel Alu Aluminium

FT Hot-dip galvanised

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.

Dimensions



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 3 12 FT	8 - 12	23	16	34	M6	1.5	5	70	47	3
2056 3 16 FT	12 - 16	23	20	34	M6	1.5	5	82	47	3
2056 3 22 FT	16 - 22	23	27	34	M6	1.5	5	101	47	3
2056 3 28 FT	22 - 28	23	33	34	M6	2	5	121	47	3
2056 3 34 FT	28 - 34	23	39	34	M8	2	6	142	56.5	5
2056 3 40 FT	34 - 40	23	45	34	M8	2	6	162	56.5	5
2056 3 46 FT	40 - 46	23	51	40	M8	2	6	184	56.5	5

Clamp clip, single, metal pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	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
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

St Steel V2A Stainless steel, A2

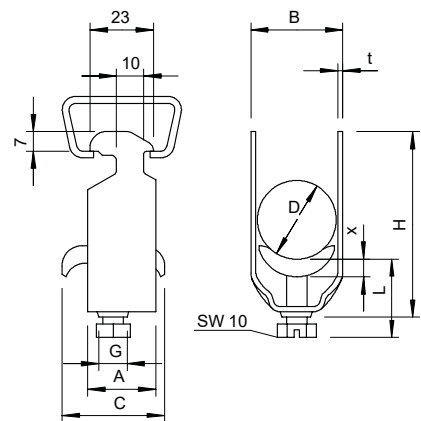
Fi Hot-dip galvanised

Suitable for all C profile rails with slot width 16–17 mm.

Clip, bolt and pressure trough made of hot-dip galvanised steel.

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 M 12 FT	8 - 12	23	16	30	M6	1.5	3.5	40	32.5	3
2056 M 16 FT	12 - 16	23	20	30	M6	1.5	3.5	44	32.5	3
2056 M 22 FT	16 - 22	23	27	30	M6	1.5	4.5	50	46.5	3
2056 M 28 FT	22 - 28	23	33	30	M6	2	4.5	58	46.5	3
2056 M 34 FT	28 - 34	23	39	35	M8	2	5	66	44	5
2056 M 40 FT	34 - 40	23	45	35	M8	2	5	72	44	5
2056 M 46 FT	40 - 46	23	51	35	M8	2	5	79	44	5
2056 M 52 FT	46 - 52	23	57	35	M8	2	5	86	44	5
2056 M 58 FT	52 - 58	23	64	35	M8	2.5	5	93	44	5
2056 M 64 FT	58 - 64	23	70	35	M8	2.5	5	99	56	5
2056 M 70 FT	64 - 70	25	76	35	M8	2.5	5	106	56	5
2056 M 76 FT	70 - 76	25	82	40	M8	2.5	5	114	56	5
2056 M 82 FT	76 - 82	25	88	40	M8	2.5	5	121	56	5
2056 M 90 FT	82 - 90	25	97	40	M8	3	5	130	56	5
2056 M 100 FT	90 - 100	25	107	40	M8	3	5	140	56	5

Dimensions



Clamp clip, double, plastic pressure trough

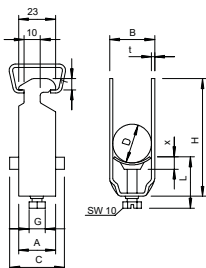


Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 2 16 A2	12 - 16	50	4.650	1161814

V2A Stainless steel, A2

Suitable for all C profile rails with slot width 16–17 mm; stainless steel clip and bolt, polypropylene pressure trough, halogen-free, light grey RAL 7035.

Dimensions



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 2 16 A2	12 - 16	23	20	34	M6	1.5	4.5	61	34	3

Clamp clip, double, metal pressure trough



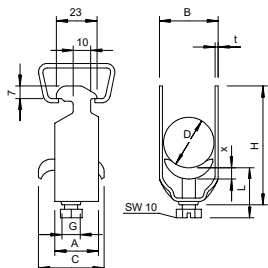
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M2 12 FT	8 - 12	50	3.980	1156179
2056 M2 16 FT	12 - 16	50	4.750	1156187
2056 M2 22 FT	16 - 22	50	6.900	1156195
2056 M2 28 FT	22 - 28	50	7.800	1156209

St Steel

FT Hot-dip galvanised

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	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 M2 12 FT	8 - 12	23	16	34	M6	1.5	5	52	34	3
2056 M2 16 FT	12 - 16	23	20	34	M6	1.5	5	61	34	3
2056 M2 22 FT	16 - 22	23	27	34	M6	1.5	5	73	47	3
2056 M2 28 FT	22 - 28	23	33	34	M6	2	5	87	47	3

Clamp clip, triple, metal pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 M3 12 FT	8 - 12	50	4.050	1156241
2056 M3 16 FT	12 - 16	50	5.800	1156268
2056 M3 22 FT	16 - 22	50	6.500	1156276
2056 M3 28 FT	22 - 28	50	9.500	1156284

St Steel

FT Hot-dip galvanised

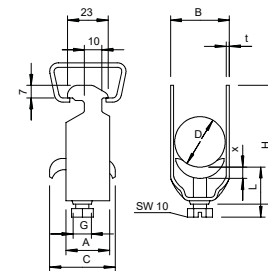
Suitable for all C profile rails with slot width 16–17 mm.

Clip, bolt and pressure trough made of hot-dip galvanised steel.



Dimensions

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056 M3 12 FT	8 - 12	23	16	34	M6	1.5	5	70	47	3
2056 M3 16 FT	12 - 16	23	20	34	M6	1.5	5	82	47	3
2056 M3 22 FT	16 - 22	23	27	34	M6	1.5	5	101	47	3
2056 M3 28 FT	22 - 28	23	33	34	M6	2	5	121	47	3



Clamp clip, fastening earthing strips



Type	For rail with slot width mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 BE FT	16 - 17	25	4.700	1174053

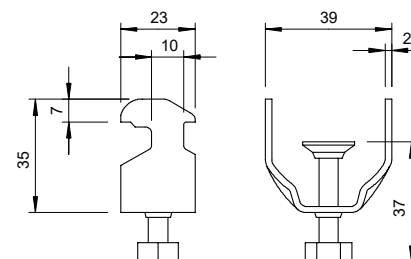
St Steel

FT Hot-dip galvanised

To fasten earthing strips with widths of up to 30 mm to profile rails, suitable for all C profile rails with 16–17 mm slot width.



Dimensions



Clamp clip, single, plastic pressure trough

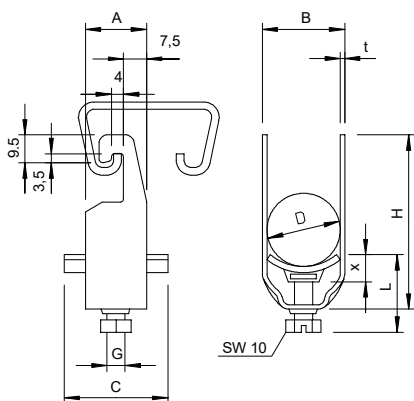


Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 12 FT	8 - 12	100	3.150	1175122
2056U 16 FT	12 - 16	100	3.600	1175165
2056U 22 FT	16 - 22	100	3.223	1175211
2056U 28 FT	22 - 28	100	4.344	1175289
2056U 34 FT	28 - 34	100	7.500	1175343
2056U 40 FT	34 - 40	100	8.100	1175408
2056U 46 FT	40 - 46	100	10.000	1175467
2056U 52 FT	46 - 52	100	11.200	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
2056U 100 FT	90 - 100	25	30.000	1175998
2056U 12 A2	8 - 12	50	3.000	1178504
2056U 16 A2	12 - 16	50	3.200	1178512
2056U 22 A2	16 - 22	50	3.800	1178520
2056U 28 A2	22 - 28	50	5.350	1178539
2056U 34 A2	28 - 34	50	7.200	1178547
2056U 40 A2	34 - 40	25	8.100	1178555
2056U 46 A2	40 - 46	25	9.900	1178563
2056U 52 A2	46 - 52	25	11.200	1178571
2056U 58 A2	52 - 58	25	13.400	1178598
2056U 64 A2	58 - 64	15	14.300	1178601
2056U 70 A2	64 - 70	15	20.500	1178628
2056U 76 A2	70 - 76	10	19.100	1178636
2056U 12 ALU	8 - 12	50	1.100	1184407
2056U 16 ALU	12 - 16	50	1.200	1184415
2056U 22 ALU	16 - 22	50	1.350	1184423
2056U 28 ALU	22 - 28	50	1.950	1184431
2056U 34 ALU	28 - 34	50	2.550	1184458
2056U 40 ALU	34 - 40	50	2.800	1184466
2056U 46 ALU	40 - 46	50	3.600	1184474
2056U 52 ALU	46 - 52	50	3.950	1184482
2056U 58 ALU	52 - 58	50	4.900	1184490
2056U 64 ALU	58 - 64	50	5.250	1184504
2056U 70 ALU	64 - 70	50	5.600	1184539
2056U 76 ALU	70 - 76	50	7.050	1184512

St Steel Alu Aluminium V2A Stainless steel, A2
 FT Hot-dip galvanised

Suitable for all C profile rails with slot width 18 mm and 22 mm.
 Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Dimensions



Type	Clamping range D mm	Dimen- sion A mm	Dimen- sion B mm	Dimen- sion C mm	Dimen- sion G mm	Dimen- sion t mm	Dimen- sion x mm	Dimen- sion H mm	Dimen- sion 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
2056U 100 FT	90 - 100	25	107	40	M8	3	6.5	135	45.5	5

Clamp clip, double, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 2 12 FT	8 - 12	50	2.850	1176129
2056U 2 16 FT	12 - 16	50	3.050	1176161
2056U 2 22 FT	16 - 22	50	4.950	1176226
2056U 2 28 FT	22 - 28	50	6.940	1176285
2056U 2 34 FT	28 - 34	50	9.500	1176331
2056U 2 40 FT	34 - 40	50	11.350	1176404
2056U 2 46 FT	40 - 46	50	11.350	1176463
2056U 2 52 FT	46 - 52	50	15.050	1176528
2056U 2 58 FT	52 - 58	50	19.800	1176587

St Steel

FT Hot-dip galvanised

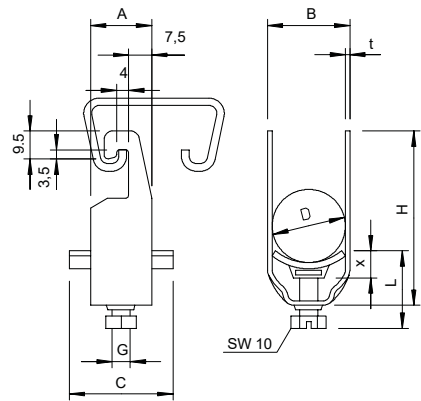
Suitable for all C profile rails with slot width 18 mm and 22 mm.

Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056U 2 12 FT	8 - 12	20	16	34	M6	1.5	5	56	34	3
2056U 2 16 FT	12 - 16	20	20	34	M6	1.5	5	64	34	3
2056U 2 22 FT	16 - 22	20	27	34	M6	1.5	5	77	47	3
2056U 2 28 FT	22 - 28	20	33	34	M6	2	5	89	47	3
2056U 2 34 FT	28 - 34	20	39	34	M8	2	5.5	103	44.5	5
2056U 2 40 FT	34 - 40	20	45	34	M8	2	5.5	115	44.5	5
2056U 2 46 FT	40 - 46	23	51	40	M8	2	5.5	128	44.5	5
2056U 2 52 FT	46 - 52	23	57	40	M8	2	6.5	140	45.5	5
2056U 2 58 FT	52 - 58	23	64	40	M8	2.5	6.5	152	45.5	5

Dimensions



Clamp clip, triple, plastic pressure trough



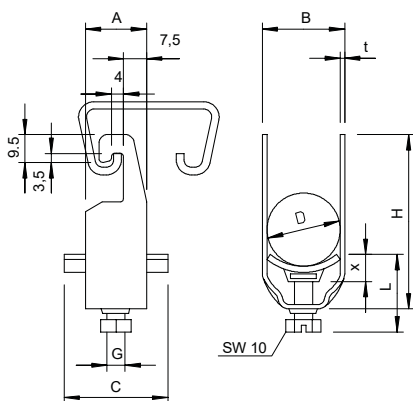
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056U 3 12 FT	8 - 12	50	4.750	1177125
2056U 3 16 FT	12 - 16	50	4.850	1177168
2056U 3 22 FT	16 - 22	50	6.600	1177222
2056U 3 28 FT	22 - 28	50	10.500	1177281
2056U 3 34 FT	28 - 34	50	13.250	1177346
2056U 3 40 FT	34 - 40	50	14.400	1177400
2056U 3 46 FT	40 - 46	50	18.950	1177451

St Steel

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 18 mm and 22 mm.
Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Dimensions



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056U 3 12 FT	8 - 12	20	16	34	M6	1.5	5	70	47	3
2056U 3 16 FT	12 - 16	20	20	34	M6	1.5	5	82	47	3
2056U 3 22 FT	16 - 22	20	27	34	M6	1.5	5	101	47	3
2056U 3 28 FT	22 - 28	20	33	34	M6	2	5	119	47	3
2056U 3 34 FT	28 - 34	20	39	34	M8	2	5.5	139	44.5	5
2056U 3 40 FT	34 - 40	20	45	34	M8	2	5.5	157	44.5	5
2056U 3 46 FT	40 - 46	23	51	40	M8	2	5.5	177	56.5	5

Clamp clip, single, metal pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	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
2056U M 12 A4	8 - 12	100	3.300	1158207
2056U M 16 A4	12 - 16	100	3.520	1158211
2056U M 22 A4	16 - 22	100	3.960	1158215
2056U M 28 A4	22 - 28	100	5.890	1158219
2056U M 34 A4	28 - 34	100	7.650	1158223
2056U M 40 A4	34 - 40	100	8.360	1158227
2056U M 46 A4	40 - 46	100	10.890	1158231
2056U M 52 A4	46 - 52	100	11.660	1158235
2056U M 58 A4	52 - 58	100	14.740	1158239
2056U M 64 A4	58 - 64	100	15.730	1158243
2056U M 70 A4	64 - 70	50	18.200	1158247
2056U M 76 A4	70 - 76	25	20.600	1158251

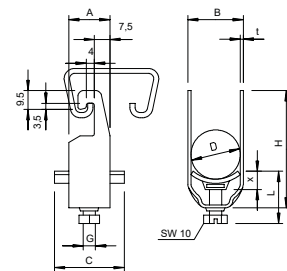
St Steel V4A Stainless steel, A4

FT Hot-dip galvanised

Suitable for all C profile rails with slot width 18 mm and 22 mm.

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056U M 12 FT	8 - 12	20	16	34	M6	1.5	5	42	34	3
2056U M 16 FT	12 - 16	20	20	34	M6	1.5	5	46	34	3
2056U M 22 FT	16 - 22	20	27	34	M6	1.5	5	53	34	3
2056U M 28 FT	22 - 28	20	33	34	M6	2	5	59	34	3
2056U M 34 FT	28 - 34	20	39	34	M8	2	5.5	67	37.5	5
2056U M 40 FT	34 - 40	20	45	34	M8	2	5.5	73	37.5	5
2056U M 46 FT	40 - 46	20	51	40	M8	2	5.5	79	37.5	5
2056U M 52 FT	46 - 52	20	57	40	M8	2	6.5	85	38.5	5
2056U M 58 FT	52 - 58	23	64	40	M8	2.5	6.5	91	38.5	5
2056U M 64 FT	58 - 64	23	70	40	M8	2.5	6.5	97	38.5	5
2056U M 70 FT	64 - 70	23	76	40	M8	2.5	6.5	103	38.5	5
2056U M 76 FT	70 - 76	25	82	40	M8	2.5	6.5	110	45.5	5

Dimensions



Clamp clip, single, plastic pressure trough FT



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	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	11.700	1169521
2056F 58 FT	52 - 58	50	13.050	1169580
2056F 64 FT	58 - 64	50	14.800	1169645

St Steel

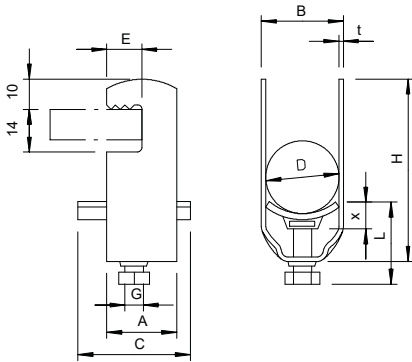
FT Hot-dip galvanised

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	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension 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 clip, double, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs	Item No.
2056F 2 12 FT	8 - 12	50	4.250	1170120
2056F 2 16 FT	12 - 16	50	4.550	1170163
2056F 2 22 FT	16 - 22	50	5.200	1170228
2056F 2 28 FT	22 - 28	50	7.900	1170287
2056F 2 34 FT	28 - 34	50	9.900	1170341
2056F 2 40 FT	34 - 40	50	10.672	1170406
2056F 2 46 FT	40 - 46	50	12.050	1170465
2056F 2 52 FT	46 - 52	50	16.600	1170511

St Steel

FT Hot-dip galvanised

Suitable for flat, bracket and U irons of 4–12 mm material thickness.

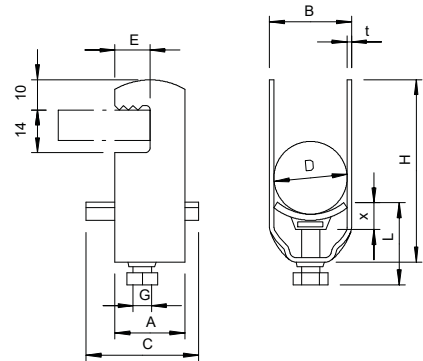
Clip and bolt made of hot-dip galvanised steel.

Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.



Dimensions

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056F 2 12 FT	8 - 12	23	16	34	M6	1.5	4.5	57	25	3
2056F 2 16 FT	12 - 16	23	20	34	M6	1.5	4.5	65	25	3
2056F 2 22 FT	16 - 22	23	27	34	M6	1.5	5	78	38	3
2056F 2 28 FT	22 - 28	23	33	34	M6	2	5	90	38	3
2056F 2 34 FT	28 - 34	23	39	34	M8	2	6	104	33	5
2056F 2 40 FT	34 - 40	23	45	34	M8	2	6	116	33	5
2056F 2 46 FT	40 - 46	25	51	40	M8	2	6	128	33	5
2056F 2 52 FT	46 - 52	25	57	40	M8	2	6.5	140	33	5



Clamp clip, single, metal pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs	Item No.
2056F M 12 FT	8 - 12	100	3.700	1156802
2056F M 16 FT	12 - 16	100	3.900	1156810
2056F M 22 FT	16 - 22	100	4.550	1156829
2056F M 28 FT	22 - 28	100	6.000	1156837
2056F M 34 FT	28 - 34	100	8.000	1156845
2056F M 28 A2	22 - 28	100	6.000	1185306
2056F M 34 A2	28 - 34	100	8.000	1185308
2056F M 40 A2	34 - 40	100	8.500	1185310

St Steel V2A Stainless steel, A2

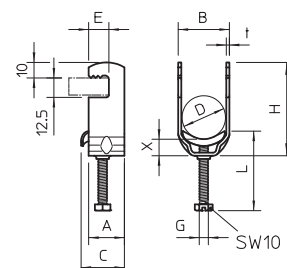
FT Hot-dip galvanised

The metal troughs have strongly rounded edges on all sides, so that there is no risk of cable damage.

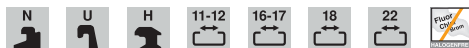


Dimensions

Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056F M 12 FT	8 - 12	23	16	34	M6	1.5	5	43	34	3
2056F M 16 FT	12 - 16	23	20	34	M6	1.5	5	47	34	3
2056F M 22 FT	16 - 22	23	27	34	M6	1.5	5	54	34	3
2056F M 28 FT	22 - 28	23	33	34	M6	2	5	60	34	3
2056F M 34 FT	28 - 34	23	39	34	M8	2	5.5	68	37.5	5



Clamp clips, BBS clip for flat iron

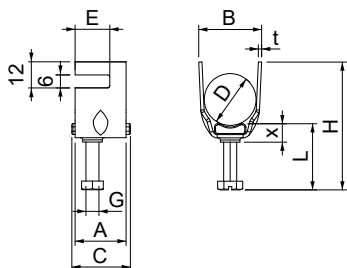


Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056F 29 FT	22 - 29	100	3.200	1171895

- Si Steel
- FT Hot-dip galvanised

Suitable for flat, angular and U irons of 4–12 mm material thickness.
 Clip and bolt made of hot-dip galvanised steel.
 Polypropylene pressure sleeve, halogen-free, colour light grey RAL 7035.

Dimensions



Clamp clip, single, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs	Item No.
2056W 12 FT	8 - 12	100	4.450	1180126
2056W 16 FT	12 - 16	100	4.890	1180169
2056W 22 FT	16 - 22	100	5.700	1180223
2056W 28 FT	22 - 28	100	7.800	1180282
2056W 34 FT	28 - 34	100	9.400	1180347
2056W 40 FT	34 - 40	100	10.000	1180401
2056W 46 FT	40 - 46	100	12.800	1180460
2056W 52 FT	46 - 52	100	13.600	1180525
2056W 58 FT	52 - 58	50	17.100	1180584
2056W 64 FT	58 - 64	50	18.600	1180649
2056W 70 FT	64 - 70	50	18.500	1180681
2056W 22 A2	16 - 22	50	5.700	1185438
2056W 28 A2	22 - 28	50	7.800	1185446
2056W 34 A2	28 - 34	50	9.400	1185454
2056W 40 A2	34 - 40	25	10.000	1185462
2056W 46 A2	40 - 46	25	12.800	1185470
2056W 52 A2	46 - 52	25	13.600	1185489
2056W 58 A2	52 - 58	25	17.100	1185497
2056W 22 ALU	16 - 22	50	1.900	1184024
2056W 28 ALU	22 - 28	50	2.550	1184032
2056W 34 ALU	28 - 34	50	3.200	1184040
2056W 40 ALU	34 - 40	50	3.500	1184059
2056W 46 ALU	40 - 46	50	4.550	1184067
2056W 52 ALU	46 - 52	50	4.800	1184075
2056W 58 ALU	52 - 58	50	5.850	1184083
2056W 64 ALU	58 - 64	50	6.450	1184091
2056W M 28 A2	22 - 28	100	7.800	1185706
2056W M 34 A2	28 - 34	100	9.400	1185708
2056W M 40 A2	34 - 40	100	10.000	1185710

St Steel Alu Aluminium V2A Stainless steel, A2

FT Hot-dip galvanised

Suitable for angular steel of 40 mm limb length.

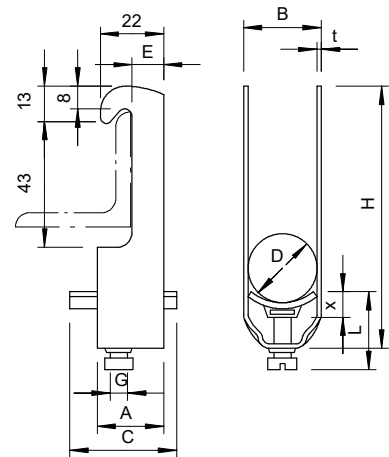
Clip and bolt made of hot-dip galvanised steel.

Polypropylene pressure trough, halogen-free, colour light grey RAL 7035.



Type	Clamping range D mm	Dimen- sion A mm	Dimen- sion B mm	Dimen- sion C mm	Dimen- sion G mm	Dimen- sion t mm	Dimen- sion x mm	Dimen- sion H mm	Dimen- sion L mm	Max. torque Nm
2056W 12 FT	8 - 12	23	16	34	M6	1.5	5	74	27	3
2056W 16 FT	12 - 16	23	20	34	M6	1.5	5	78	27	3
2056W 22 FT	16 - 22	23	27	34	M6	1.5	5	85	27	3
2056W 28 FT	22 - 28	23	33	34	M6	2	5	91	27	3
2056W 34 FT	28 - 34	23	39	34	M8	2	5.5	99	31.5	5
2056W 40 FT	34 - 40	23	45	34	M8	2	5.5	105	31.5	5
2056W 46 FT	40 - 46	25	51	40	M8	2	5.5	111	31.5	5
2056W 52 FT	46 - 52	25	57	40	M8	2	6.5	117	32.5	5
2056W 58 FT	52 - 58	25	64	40	M8	2.5	6.5	123	32.5	5
2056W 64 FT	58 - 64	25	70	40	M8	2.5	6.5	130	32.5	5
2056W 70 FT	64 - 70	25	76	40	M8	2.5	6.5	136	32.5	5

Dimensions



Clamp clip, double, plastic pressure trough



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056W 2 16 FT	12 - 16	50	5.700	1181165
2056W 2 22 FT	16 - 22	50	7.050	1181211
2056W 2 28 FT	22 - 28	50	10.350	1181289
2056W 2 34 FT	28 - 34	50	11.600	1181343
2056W 2 40 FT	34 - 40	25	12.700	1181408
2056W 2 46 FT	40 - 46	25	16.750	1181467
2056W 2 52 FT	46 - 52	25	18.200	1181521
2056W 2 58 FT	52 - 58	25	23.000	1181580

St Steel

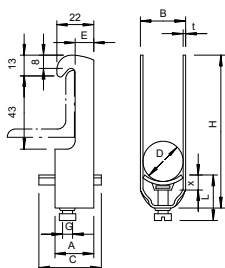
FT Hot-dip galvanised

Suitable for angular steel of 40 mm limb length.

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	Dimension A mm	Dimension B mm	Dimension C mm	Dimension G mm	Dimension t mm	Dimension x mm	Dimension H mm	Dimension L mm	Max. torque Nm
2056W 2 16 FT	12 - 16	23	20	34	M6	1.5	5	96	34	3
2056W 2 22 FT	16 - 22	23	27	34	M6	1.5	5	109	34	3
2056W 2 28 FT	22 - 28	23	33	34	M6	2	5	121	34	3
2056W 2 34 FT	28 - 34	23	39	34	M8	2	5.5	135	37.5	5
2056W 2 40 FT	34 - 40	23	45	34	M8	2	5.5	147	37.5	5
2056W 2 46 FT	40 - 46	25	51	40	M8	2	5.5	160	37.5	5
2056W 2 52 FT	46 - 52	25	57	40	M8	2	6.5	172	38.5	5
2056W 2 58 FT	52 - 58	25	64	40	M8	2.5	6.5	185	38.5	5

Clamp clip, single, metal pressure trough, round profiles/pipes



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	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

St Steel

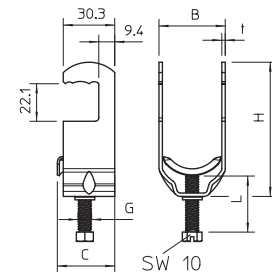
FT Hot-dip galvanised

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.



Type	Clamping range D mm	Dimen- sion B mm	Dimen- sion C mm	Dimen- sion G mm	Dimen- sion t mm	Dimen- sion H mm	Dimen- sion 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

Dimensions



Clamp clip, hammer-head base, 3x single-wire connection



Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056 E 31 FT	28 - 31	25	19.500	1174606
2056 E 37 FT	34 - 37	25	24.600	1174614
2056 E 44 FT	40 - 44	25	28.300	1174630

St Steel

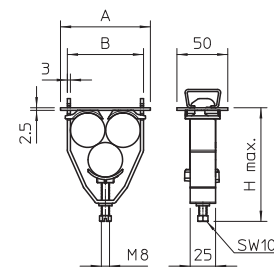
FT Hot-dip galvanised

Clip element, bolt and lock plate made of hot-dip galvanised steel, pressure and counter-trough made of polypropylene, halogen-free, light grey RAL 7035. Delivered complete with lock plate and counter-troughs.



Type	Clamping range D mm	Dimen- sion A mm	Dimen- sion B mm	Dimen- sion H mm	Max. torque Nm
2056 E 31 FT	28 - 31	83	69	107	5
2056 E 37 FT	34 - 37	95	81	118	5
2056 E 44 FT	40 - 44	109	95	143	5

Dimensions



Clamp clip, U base, 3x single-wire connection



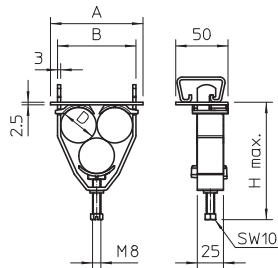
Type	Clamping range D mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2056U-E28 FT	25 - 28	25	20.000	1174509
2056U-E31 FT	28 - 31	25	19.500	1174541
2056U-E34 FT	31 - 34	25	23.000	1174517
2056U-E37 FT	34 - 37	25	24.600	1174568
2056U-E40 FT	37 - 40	25	26.000	1174525
2056U-E44 FT	40 - 44	25	28.300	1174576

St Steel

FT Hot-dip galvanised

Clip element, bolt and lock plate made of hot-dip galvanised steel, pressure and counter-trough made of polypropylene, halogen-free, light grey RAL 7035. Delivered complete with lock plate and counter-troughs.

Dimensions



Type	Clamping range D mm	Dimension A mm	Dimension B mm	Dimension H mm	Max. torque Nm
2056U-E28 FT	25 - 28	77	63	101	5
2056U-E31 FT	28 - 31	83	69	107	5
2056U-E34 FT	31 - 34	89	75	112	5
2056U-E37 FT	34 - 37	95	81	118	5
2056U-E40 FT	37 - 40	101	87	123	5
2056U-E44 FT	40 - 44	109	95	143	5

Counter-trough, plastic 16–17 mm slot width



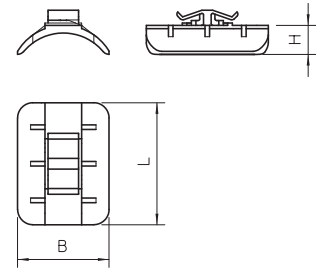
Type	Clamping range D mm	Dimension L mm	Dimension B mm	Dimension H mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2058 12 LGR	8 - 12	34	12	5.4	Light grey	100	0.146	1195123
2058 16 LGR	12 - 16	34	15.5	6	Light grey	100	0.162	1195166
2058 22 LGR	16 - 22	34	20	6.7	Light grey	100	0.172	1195220
2058 28 LGR	22 - 28	34	25	8.1	Light grey	100	0.200	1195271
2058 34 LGR	28 - 34	40	30	9.5	Light grey	100	0.302	1195344
2058 40 LGR	34 - 40	40	35	10.8	Light grey	100	0.331	1195409

PP Polypropylene

Area of use rails with slot width 16–17 mm. Counter-trough is clamped into the slot width as protection between the cable and rail.



Dimensions



Counter-trough, plastic, universal



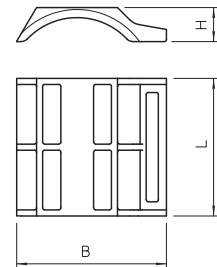
Type	Clamping range D mm	Dimension L mm	Dimension B mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2058FW 12 LGR	8 - 12	34	16.5	5	100	0.102	1197126
2058FW 16 LGR	12 - 16	34	20	5	100	0.131	1197169
2058FW 22 LGR	16 - 22	34	25.5	5.8	100	0.164	1197223
2058FW 28 LGR	22 - 28	34	31.5	7.2	100	0.206	1197282
2058FW 34 LGR	28 - 34	34	37	8.4	100	0.289	1197347
2058FW 40 LGR	34 - 40	34	42.5	9.7	100	0.311	1197401
2058FW 46 LGR	40 - 46	40	48	11	100	0.416	1197460
2058FW 52 LGR	46 - 52	40	51.5	9.8	100	0.420	1197525
2058FW 58 LGR	52 - 58	40	57	10.6	100	0.444	1197584

PP Polypropylene

Irrespective of the rail, universally applicable by pushing onto a limb of the BBS clamp clip.



Dimensions



Double trough, plastic

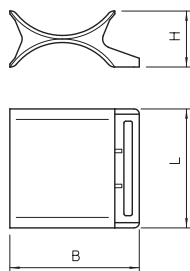


Type	Clamping range D mm	Dimension L mm	Dimension B mm	Dimension H mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
2058 2 34 LGR	28 - 34	34	37	16	Light grey	50	0.336	1196340

PP Polypropylene

Clamp clips allows both cables and pipes to be fastened to profile rails. The clamp clips are hooked into the appropriate slot widths of the profile rails and the component to be fastened is pressed onto the profile rail with the pressure trough of the clamp clip and held in place.

Dimensions



Double trough, metal

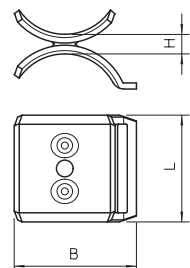


Type	Clamping range D mm	Dimension L mm	Dimension B mm	Dimension H mm	Pack. pcs	Weight kg/100 pcs.	Item No.
2058 M2 22 A2	16 - 22	35	28	5.4	50	2.300	1196597
2058 M2 28 A2	22 - 28	35	34	5.4	50	3.100	1196599
2058 M2 34 A2	28 - 34	35	40	6.4	50	3.760	1196601

V2A Stainless steel, A2

Clamp clips allows both cables and pipes to be fastened to profile rails. The clamp clips are hooked into the appropriate slot widths of the profile rails and the component to be fastened is pressed onto the profile rail with the pressure trough of the clamp clip and held in place.

Dimensions



Counter-trough, plastic, universal



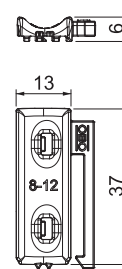
Type	Clamping range D mm	Dimension L mm	Dimension B mm	Dimension H mm	Colour	Shipping box pcs	Pack. pcs	Item No.
2058UW 12 LGR	8 - 12	37	18.5	5.8	Light grey	1500	100	1198012
2058UW 16 LGR	12 - 16	37	21.5	5.8	Light grey	1600	100	1198016
2058UW 22 LGR	16 - 22	37	27.5	6.8	Light grey	1500	100	1198022
2058UW 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

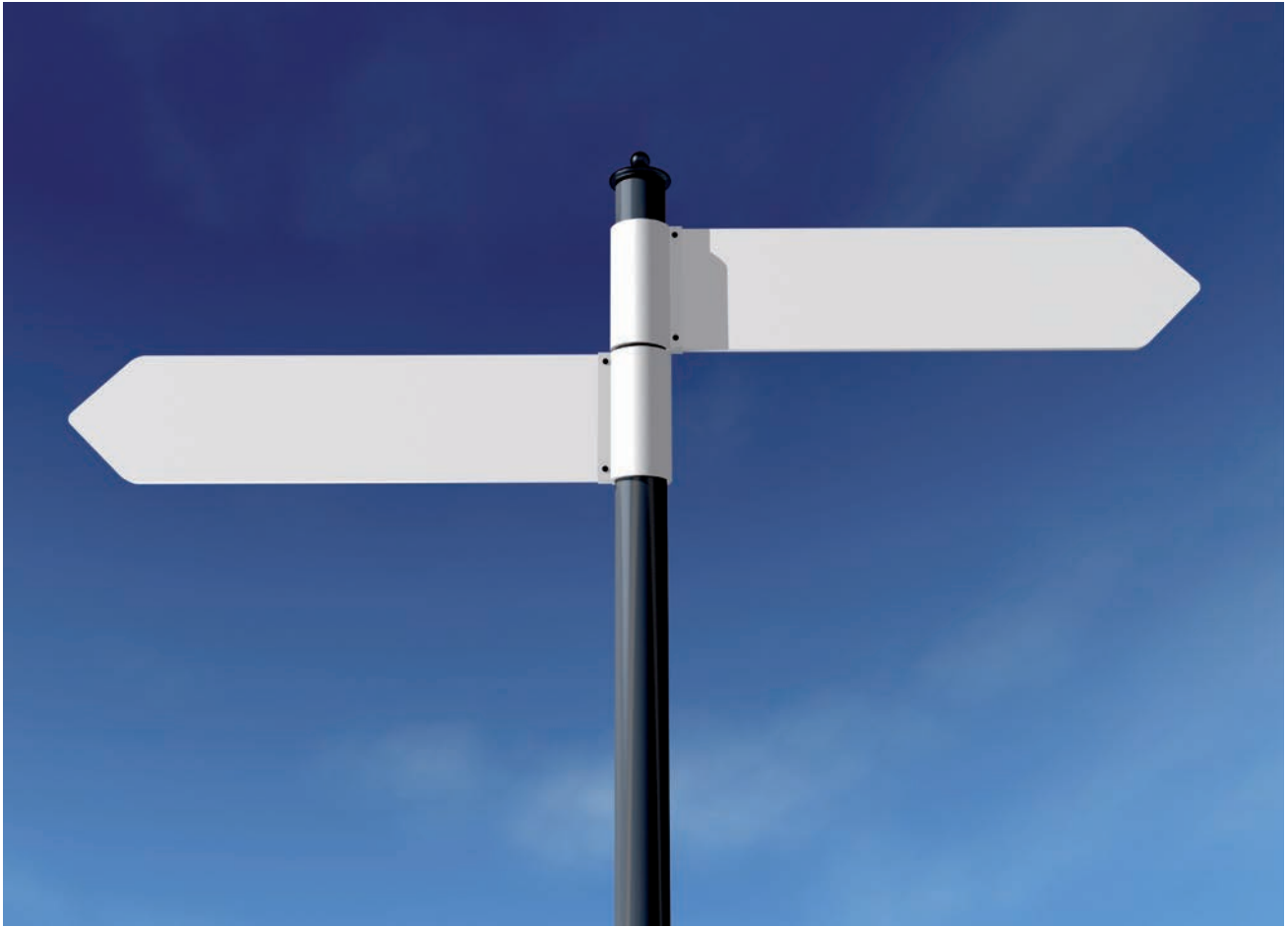
PP Polypropylene

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.





Dimensions







Directories

	Numeric directory	250
	Type listing	255



GTIN	Art. no.	Page	GTIN	Art. no.	Page	GTIN	Art. no.	Page	GTIN	Art. no.	Page	GTIN	Art. no.	Page
	/100 pc.			/100 pc.			/100 pc.			/100 pc.			/100 pc.	
6614257	1115876	81	6489671	1147190	216	6490363	1148226	219	5063612	1159518	228	5432555	1167030	227
6614264	1115879	81	6489688	1147194	216	6490370	1148430	219	5063674	1159526	228	5432616	1167049	227
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5469995	2088444	153	5897712	2091685	168	6028269	7205666	94
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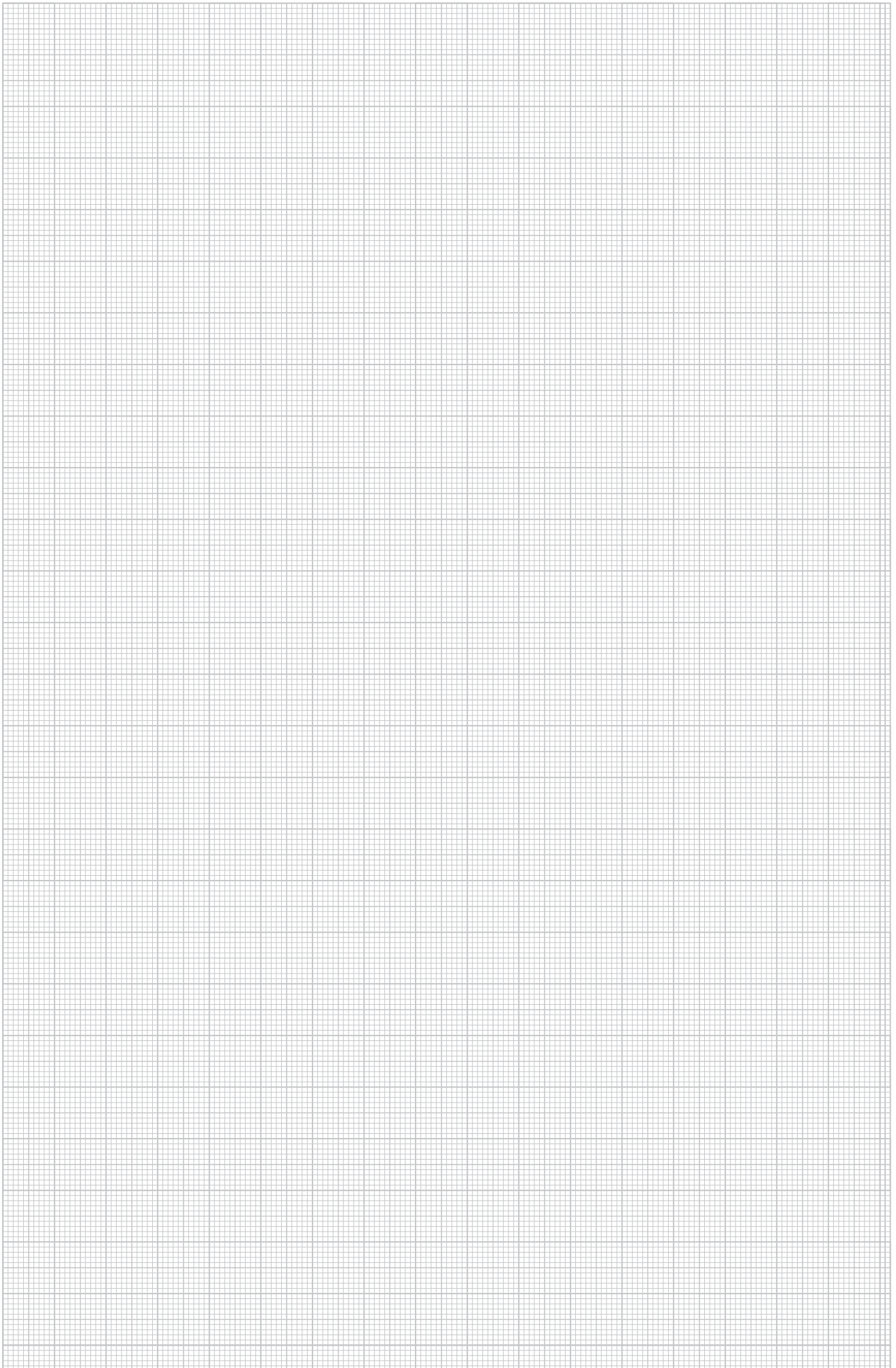
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X10 LGR-TR	6577507	2005066	65
X10 R LGR-TR	6582761	2005096	72
X10 SW	6580514	2005126	65
X10 SW-RO	6580613	2005156	65
X10 T LGR	6584468	2005206	69
X10C LGR	6577668	2005466	75
X10C LGR-TR	6577781	2005536	75
X10C R LGR	6582839	2005494	77
X10C R LGR-TR	6582907	2005564	77
X10C SW	6580729	2005606	75
X16 H25 GNP5 LGR	6585861	2005312	73
X16 H35 GNP5 LGR	6585878	2005316	73
X16 LGR	6577446	2005020	65
X16 LGR-TR	6577545	2005070	65
X16 R LGR-TR	6582778	2005100	72



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X16 SW	6580521	/100 pc. 2005130	65
X16 SW-RO	6580620	2005160	65
X16 T LGR	6584475	2005210	69
X16C LGR	6577675	2005470	75
X16C LGR-TR	6577798	2005540	75
X16C R LGR	6582846	2005498	77
X16C R LGR-TR	6582945	2005568	77
X16C SW	6580736	2005610	75
X25 H35 GNP5 LGR	6585885	2005320	73
X25 H50 GNP5 LGR	6585892	2005324	73
X25 LGR	6577453	2005024	66
X25 LGR-TR	6577552	2005074	66
X25 R LGR-TR	6582785	2005104	72
X25 SW	6580538	2005134	66
X25 SW-RO	6580675	2005164	66
X25 T LGR	6584482	2005214	69
X25C LGR	6577682	2005474	76
X25C LGR-TR	6577804	2005544	76
X25C R LGR	6582884	2005502	78
X25C R LGR-TR	6582952	2005572	78
X25C SW	6580743	2005614	76





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