



Industrial installations

Cable support systems



Our products for your project Towards the future with OBO

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

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

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

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

OBO – simply better.

OBO Product Worlds



Industrial installations

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

**You can find additional products in our new
Building installations and Safety and protec-
tive installations catalogues**



Building installations

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

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



Safety and protection installations

**Lightning, surge
and fire protection systems**

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

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Cable ladders

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Support structures

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Industrial ducts

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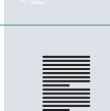
Anchors and fastening systems

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Directories

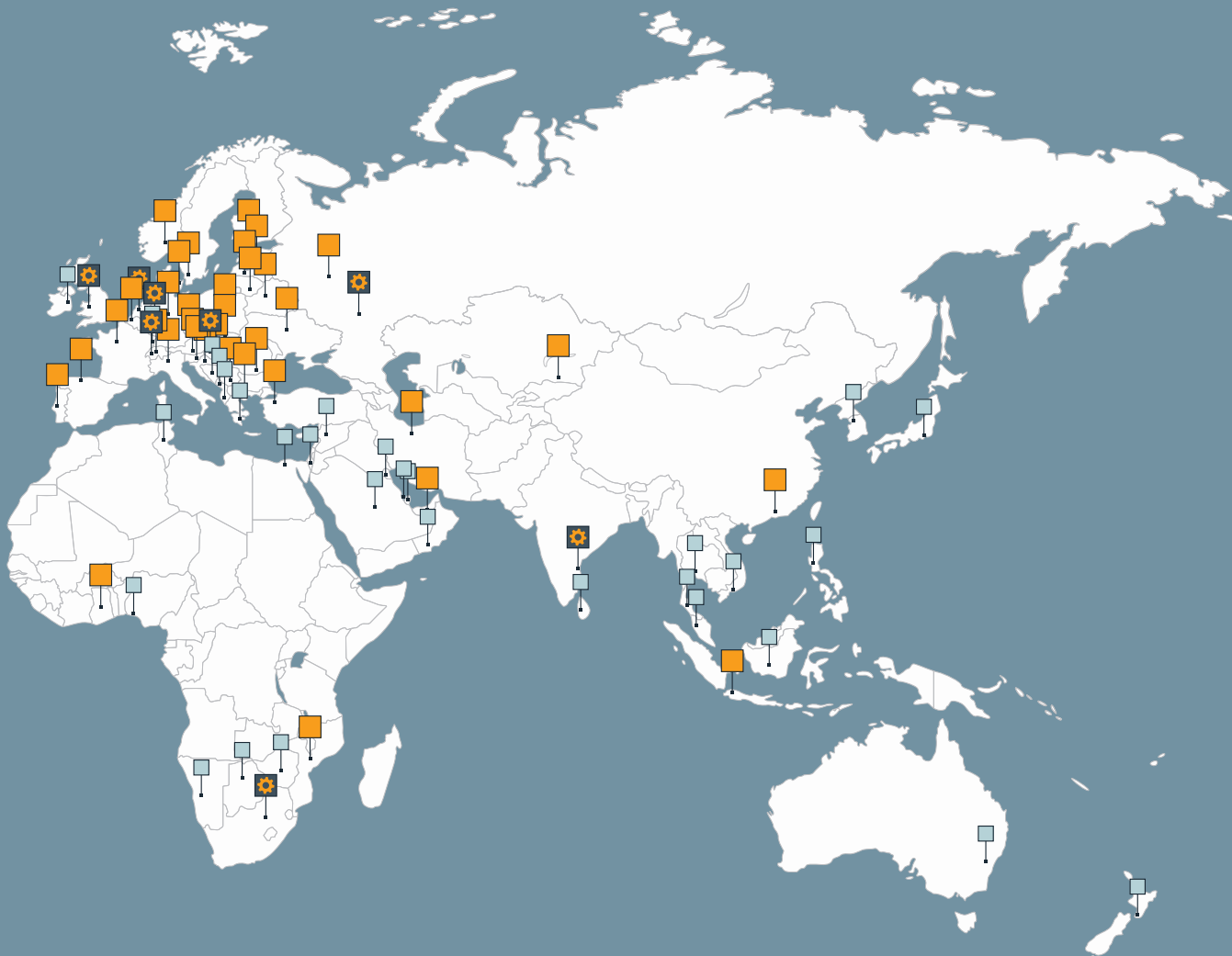
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Welcome world. Welcome to OBO.

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



Production location

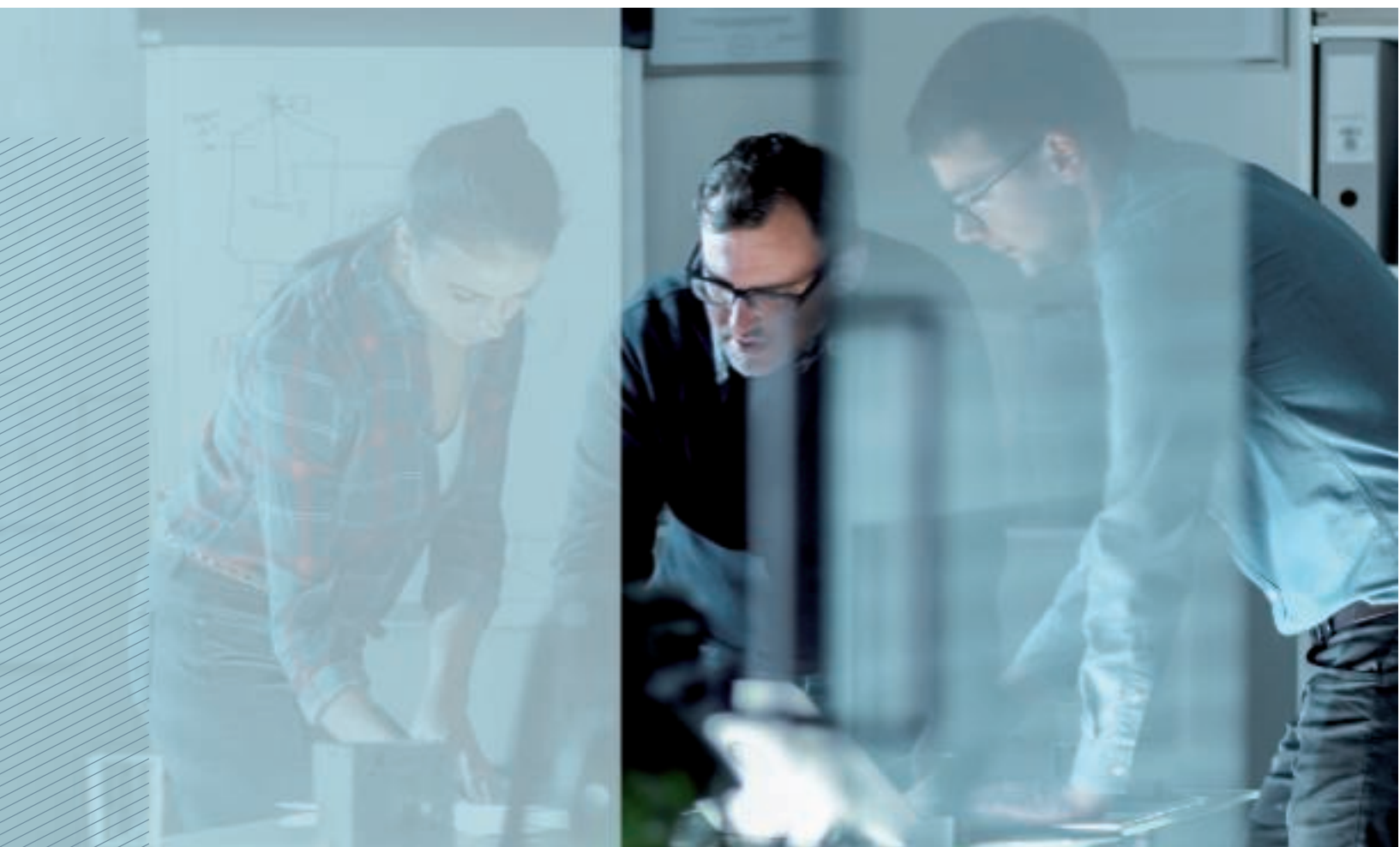


Subsidiary



Representative office

OBO Support & *contact*



***You have a
problem?
We have the
solution!***

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

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

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

What is OBO Support?

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

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

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

You can contact our Customer Service department on:

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

Estonia: +372 6519870

Latvia: +371 67802050

Lithuania: +370 52375911

Estonia: obo@obo.ee

Latvia: obo@obo.lv

Lithuania: obo@obo.lt



Service



Training



Handling



Certification

Service – OBO can help

Everywhere and in every project phase:

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

Training courses from OBO

- Seminars and workshops
- Local consultation and training courses
- Planner days

Handling – OBO delivers reliably

With optimised delivery processes:

- Reliable logistics
- Practical transport systems and packaging
- Loading gear handling and disposal concepts

Certification and guarantee

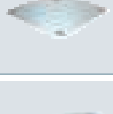
OBO offers safety. Our products fulfil the most important country-specific regulations:

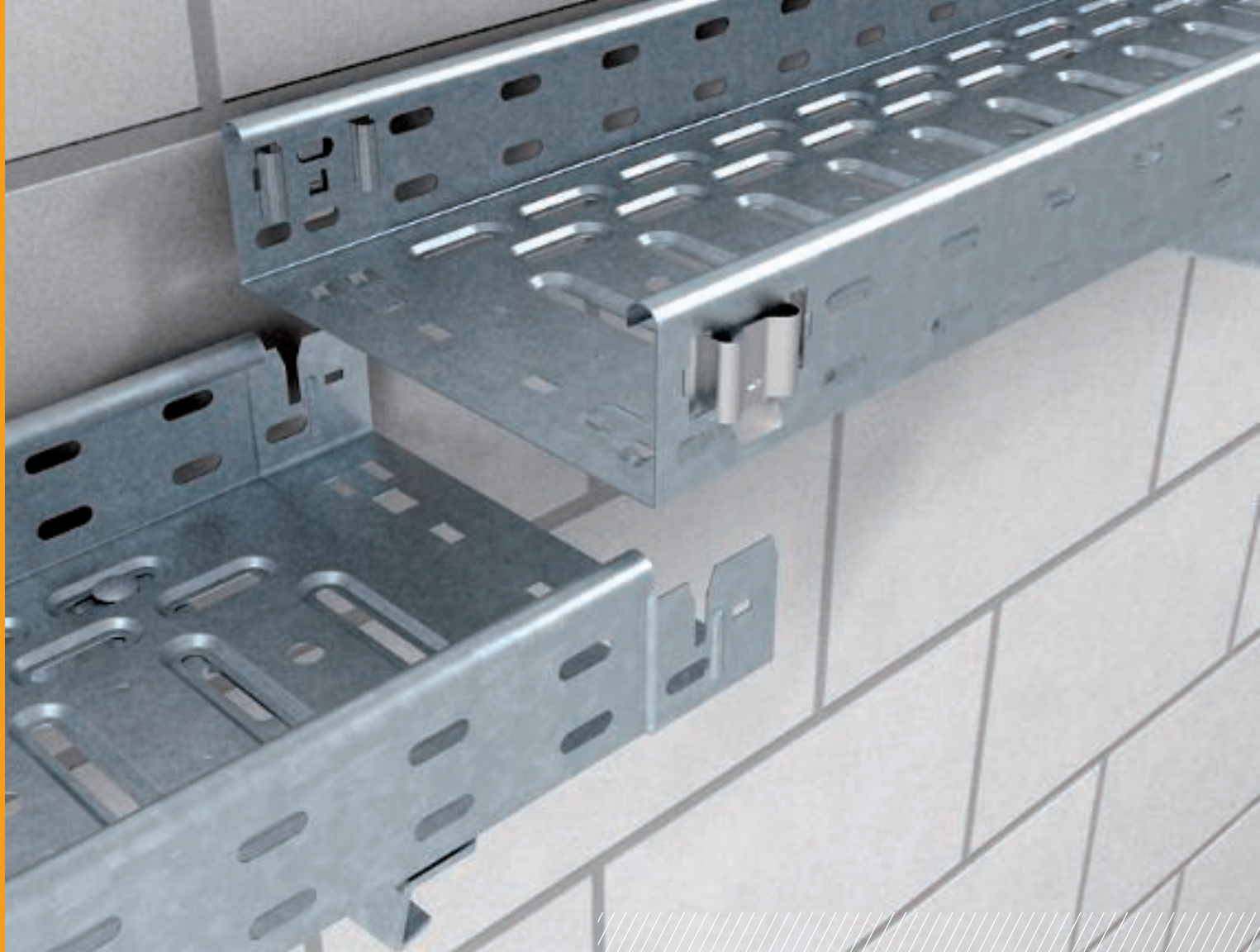
- Conformity (e.g. IEC, VDE, CE, KEMA, KEUR, UL)
- Certification (e.g. DIN EN, DGNB)
- 5-year guarantee for surge protection products
- Guarantee management

Cable trays

Cable trays



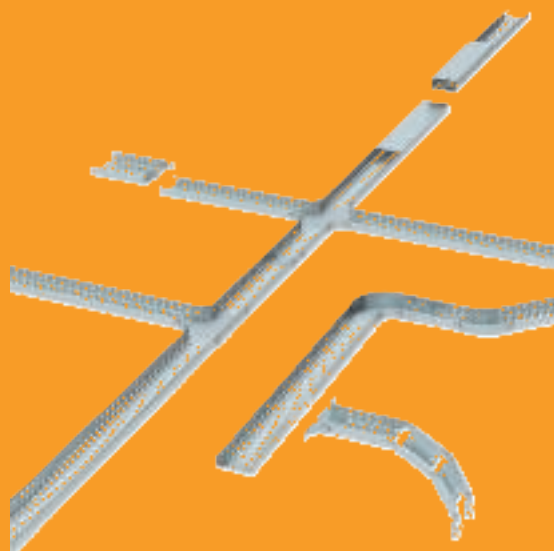
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RKS-Magic® cable tray system

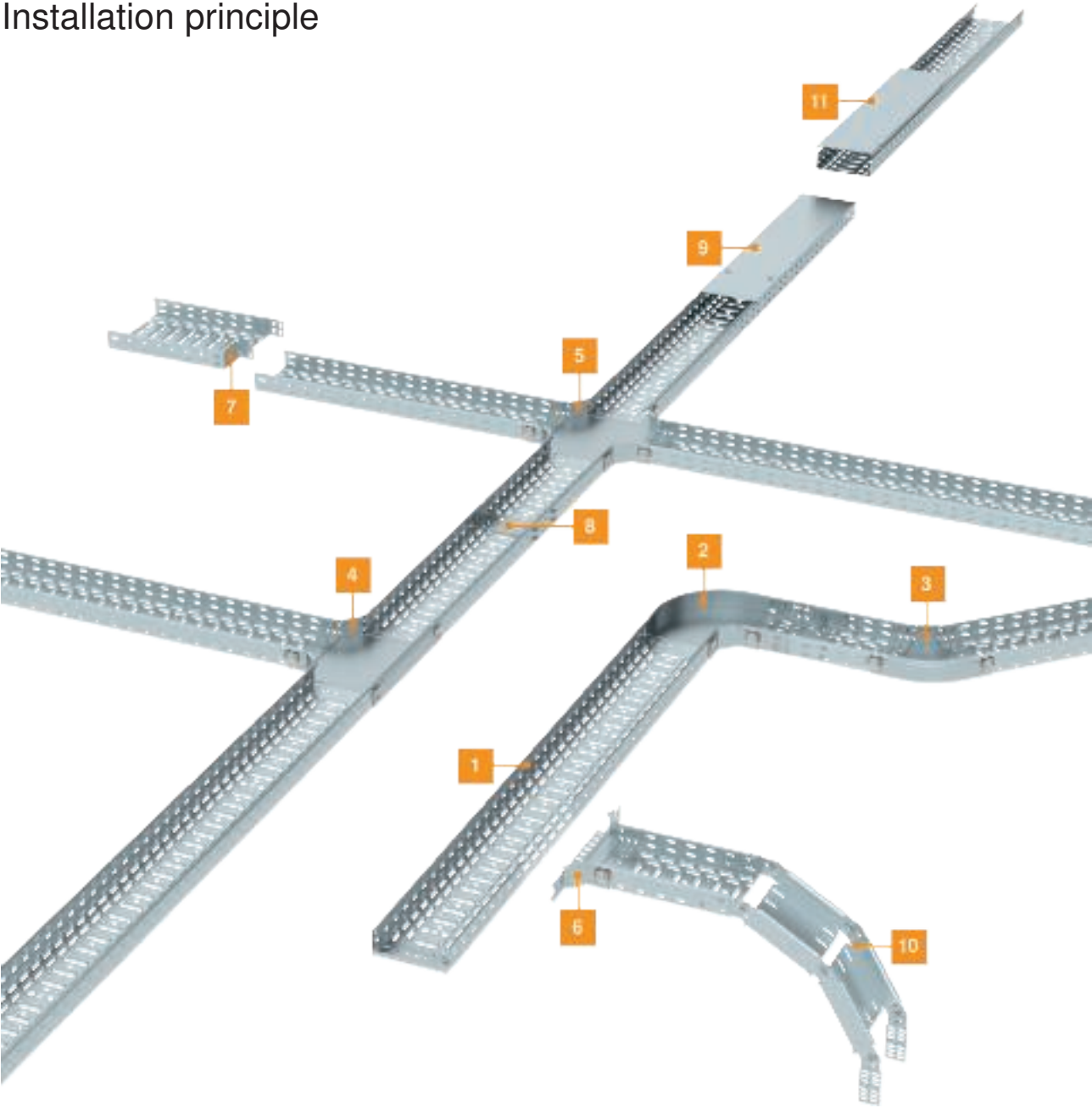
The RKS-Magic® cable tray system permits even faster straight connection of the cable trays. The innovative, screwless straight connector can be mounted in the blink of an eye. Just connect the ends of the cable tray, lock them in place - and you're done!

- Fast and secure connection through patented plug connection
- Locking system accessory, such as the barrier strip
- Maintenance of electrical function, tested
- Equipotential bonding without additional components
- VDE and UL approved cable tray system



RKS-Magic® cable tray system

Installation principle



1	RKSM cable tray	RKSM
2	90° Magic bend	RBM 90
3	45° Magic bend	RBM 45
4	Magic T branch piece	RTM
5	Magic horizontal cross-over	RKM
6	Magic add-on tee	RAAM M
7	Reducer/stop-end	RWEB
8	Magic straight connector set	KTSMV
9	Cover with turn buckle	DRL
10	Adjustable bend element	RGBV
11	Unperforated cover with cover clamp	DRLU

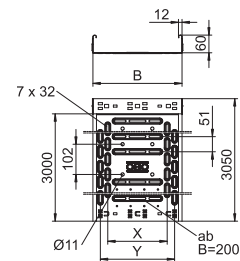
Cable tray RKS-Magic® 60



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. The perforation for direct threaded rod suspension has a diameter of 11 mm.

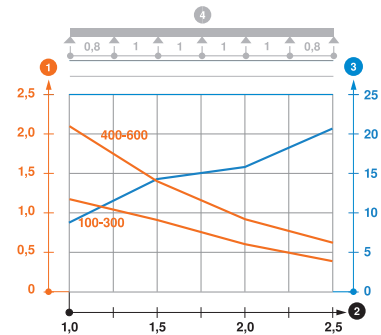
Type	Width mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
RKSM 610 FS	100	0.75	3	134.334	6047611
RKSM 615 FS	150	0.75	3	154.885	6047630
RKSM 620 FS	200	0.75	3	181.508	6047638
RKSM 630 FS	300	0.75	3	233.803	6047654
RKSM 640 FS	400	0.90	3	338.459	6047689
RKSM 650 FS	500	0.90	3	401.246	6047719
RKSM 660 FS	600	0.90	3	464.000	6047735

Dimensions



Type	Length mm	Dim. B mm	Usable Dim. cross-section cm²	Dim. x mm	Dim. y mm
RKSM 610 FS	3050	100	58	—	50
RKSM 615 FS	3050	150	88	50	100
RKSM 620 FS	3050	200	118	100	150
RKSM 630 FS	3050	300	178	200	250
RKSM 640 FS	3050	400	238	300	350
RKSM 650 FS	3050	500	298	400	450
RKSM 660 FS	3050	600	358	450	550

Load

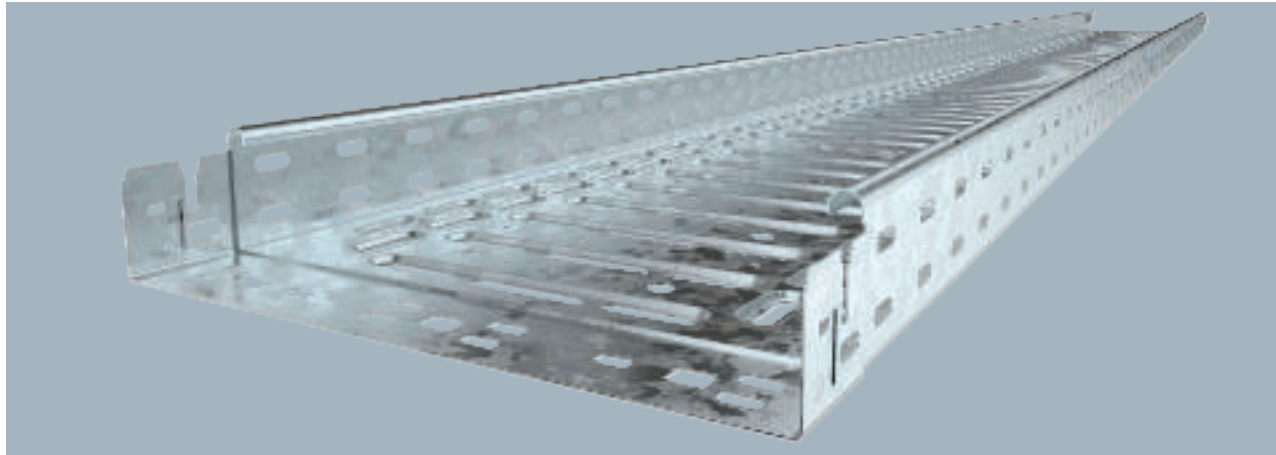


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	NEMA load class
RKSM 610 FS	1.2	0.9	0.6	0.4	8AA
RKSM 615 FS	1.2	1	0.6	0.4	8AA
RKSM 620 FS	1.2	1	0.55	0.4	8AA
RKSM 630 FS	1.2	1	0.55	0.4	8AA
RKSM 640 FS	2.1	1.35	0.8	0.6	8AA
RKSM 650 FS	2.1	1.35	0.8	0.6	8AA
RKSM 660 FS	2.1	1.4	0.8	0.6	8AA

Load diagram, cable tray, type RKSM 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray RKS-Magic® 60

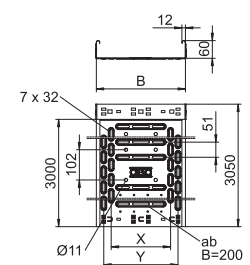


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKSM 610 FT	100	1.00	3	197.410	6047612
RKSM 615 FT	150	1.00	3	236.984	6047631
RKSM 620 FT	200	1.00	3	251.115	6047639
RKSM 630 FT	300	1.00	3	356.295	6047655
RKSM 640 FT	400	1.00	3	437.180	6047690
RKSM 650 FT	500	1.00	3	518.295	6047720

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. The perforation for direct threaded rod suspension has a diameter of 11 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. x mm	Dim. y mm
RKSM 610 FT	3050	100	58	—	50
RKSM 615 FT	3050	150	88	50	100
RKSM 620 FT	3050	200	118	100	150
RKSM 630 FT	3050	300	178	200	250
RKSM 640 FT	3050	400	238	300	350
RKSM 650 FT	3050	500	298	400	450

Dimensions

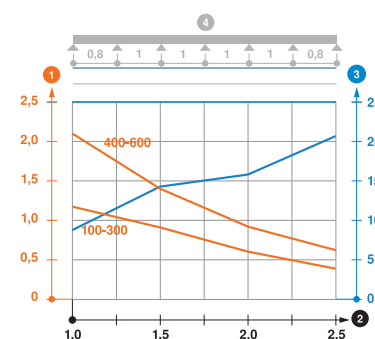


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	NEMA load class
RKSM 610 FT	1.2	0.9	0.6	0.4	8AA
RKSM 615 FT	1.2	0.9	0.6	0.4	8AA
RKSM 620 FT	1.2	0.9	0.6	0.4	8AA
RKSM 630 FT	1.2	0.9	0.6	0.4	8AA
RKSM 640 FT	2.1	1.35	0.9	0.6	8AA
RKSM 650 FT	2.1	1.35	0.9	0.6	8AA

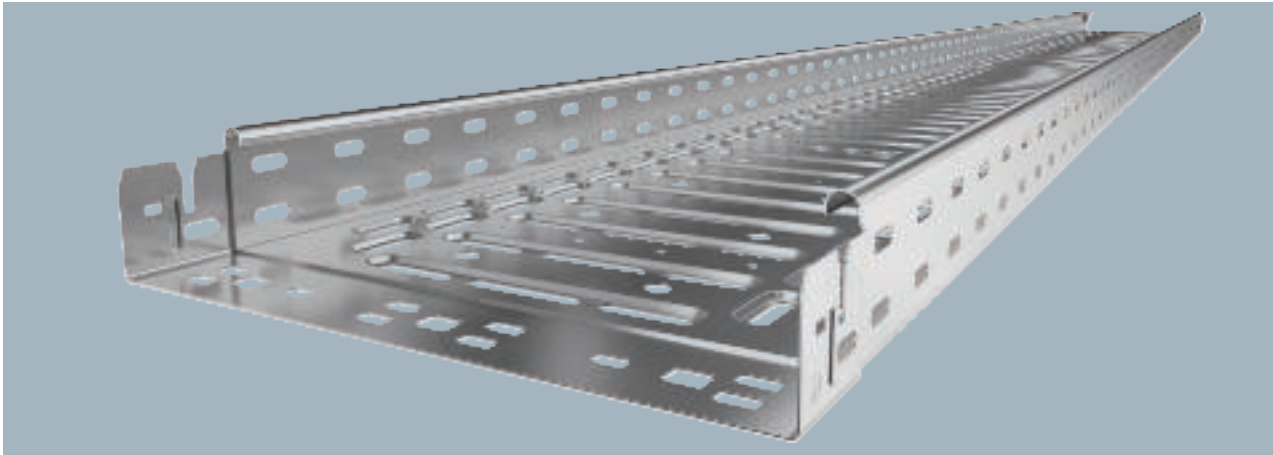
Load diagram, cable tray, type RKSM 60

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



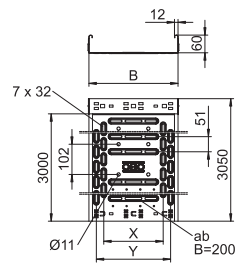
Cable tray RKS-Magic® 60



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. The perforation for direct threaded rod suspension has a diameter of 11 mm.

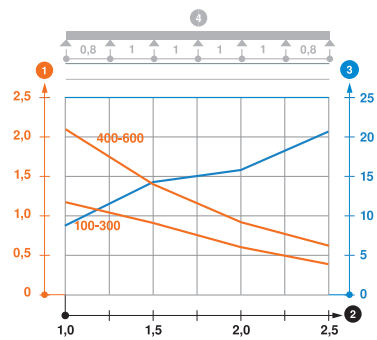
Type	Width mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
RKSM 610 A2	100	0.75	3	149.259	6047613
RKSM 615 A2	150	0.75	3	174.963	6047632
RKSM 620 A2	200	0.75	3	205.148	6047640
RKSM 630 A2	300	0.75	3	264.111	6047656
RKSM 640 A2	400	0.90	3	364.489	6047691
RKSM 650 A2	500	0.90	3	431.929	6047721
RKSM 660 A2	600	0.90	3	499.482	6047737

Dimensions



Type	Length mm	Dim. B mm	Usable Dim. cross-section cm²	Dim. x mm	Dim. y mm
RKSM 610 A2	3050	100	58	—	50
RKSM 615 A2	3050	150	88	50	100
RKSM 620 A2	3050	200	118	100	150
RKSM 630 A2	3050	300	178	200	250
RKSM 640 A2	3050	400	238	300	350
RKSM 650 A2	3050	500	298	400	450
RKSM 660 A2	3050	600	358	450	550

Load

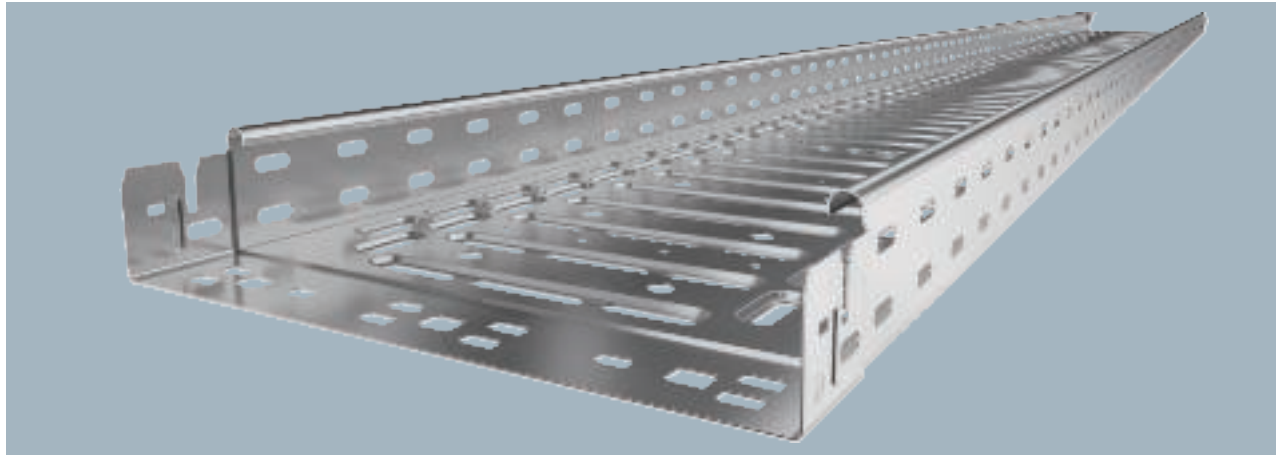


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
RKSM 610 A2	1.2	0.9	0.6	0.4
RKSM 615 A2	1.2	0.9	0.6	0.4
RKSM 620 A2	1.2	0.9	0.6	0.4
RKSM 630 A2	1.2	0.9	0.6	0.4
RKSM 640 A2	2.1	1.35	0.9	0.6
RKSM 650 A2	2.1	1.35	0.9	0.6
RKSM 660 A2	2.1	1.35	0.9	0.6

Load diagram, cable tray, type RKSM 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray RKS-Magic® 60

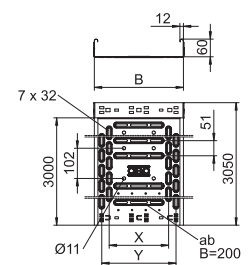


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKSM 610 A4	100	0.75	3	149.259	6047614
RKSM 615 A4	150	0.75	3	174.963	6047633
RKSM 620 A4	200	0.75	3	205.148	6047641
RKSM 630 A4	300	0.75	3	264.111	6047657
RKSM 640 A4	400	0.90	3	364.489	6047692
RKSM 650 A4	500	0.90	3	431.929	6047722
RKSM 660 A4	600	0.90	3	499.482	6047738

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. The perforation for direct threaded rod suspension has a diameter of 11 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. x mm	Dim. y mm
RKSM 610 A4	3050	100	58	—	50
RKSM 615 A4	3050	150	88	50	100
RKSM 620 A4	3050	200	118	100	150
RKSM 630 A4	3050	300	178	200	250
RKSM 640 A4	3050	400	238	300	350
RKSM 650 A4	3050	500	298	400	450
RKSM 660 A4	3050	600	358	450	550

Dimensions

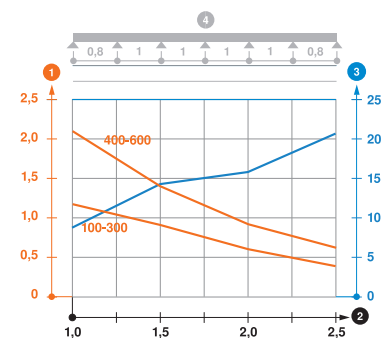


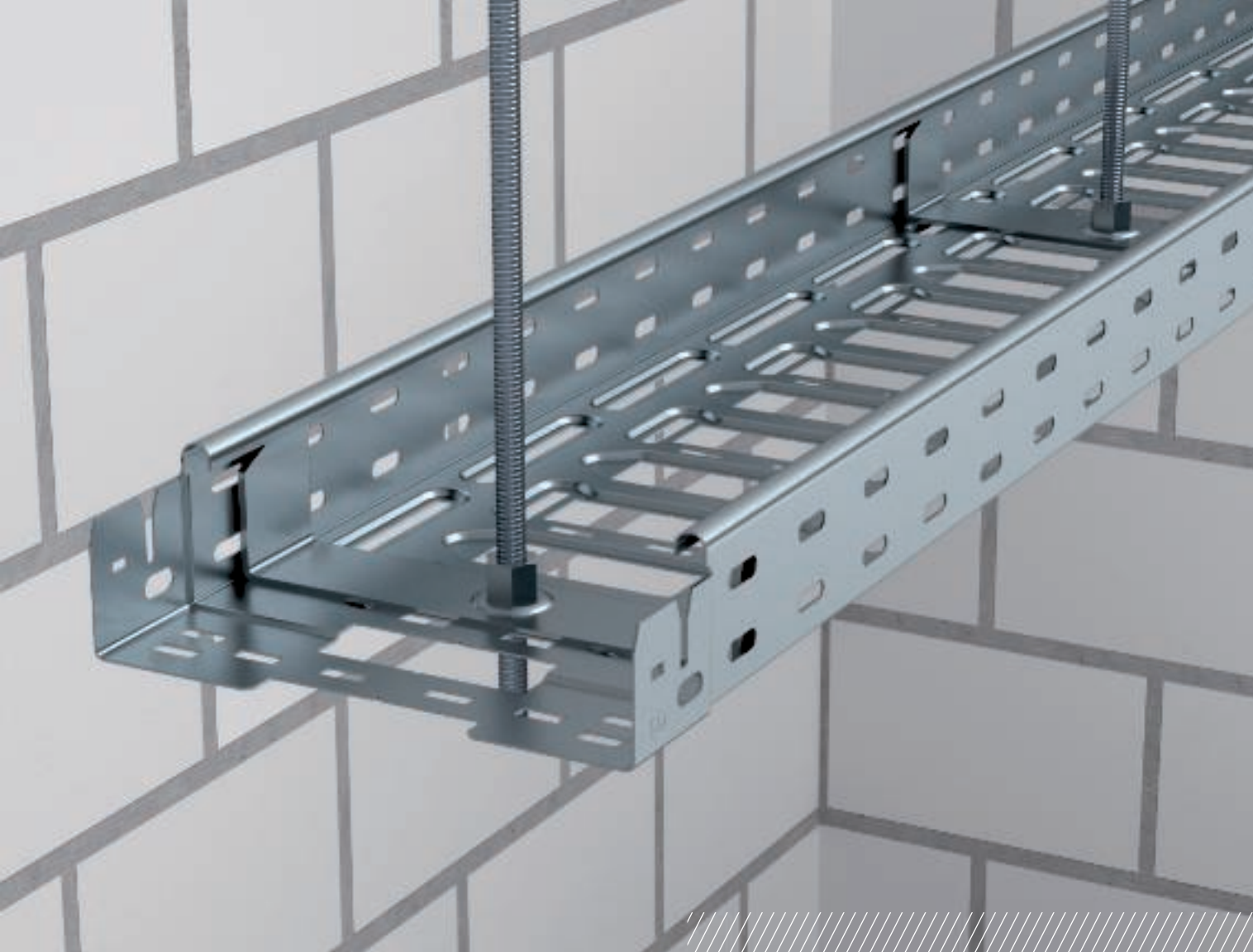
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
RKSM 610 A4	1.2	0.9	0.6	0.4
RKSM 615 A4	1.2	0.9	0.6	0.4
RKSM 620 A4	1.2	0.9	0.6	0.4
RKSM 630 A4	1.2	0.9	0.6	0.4
RKSM 640 A4	2.1	1.35	0.9	0.6
RKSM 650 A4	2.1	1.35	0.9	0.6
RKSM 660 A4	2.1	1.35	0.9	0.6

Load diagram, cable tray, type RKSM 60

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





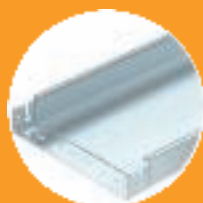
MKS-Magic® cable tray system

The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range, with suitable system components, can create perfect solutions for any task.

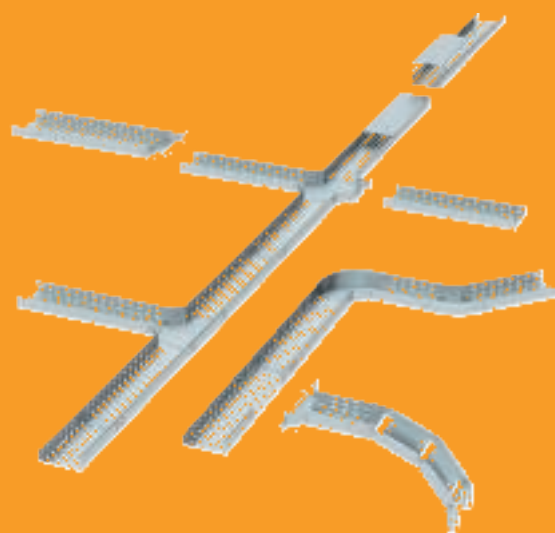
- Snap-in fittings with screwless Magic connection
- Side height 60, 85 and 110 mm



MKS-Magic® cable tray

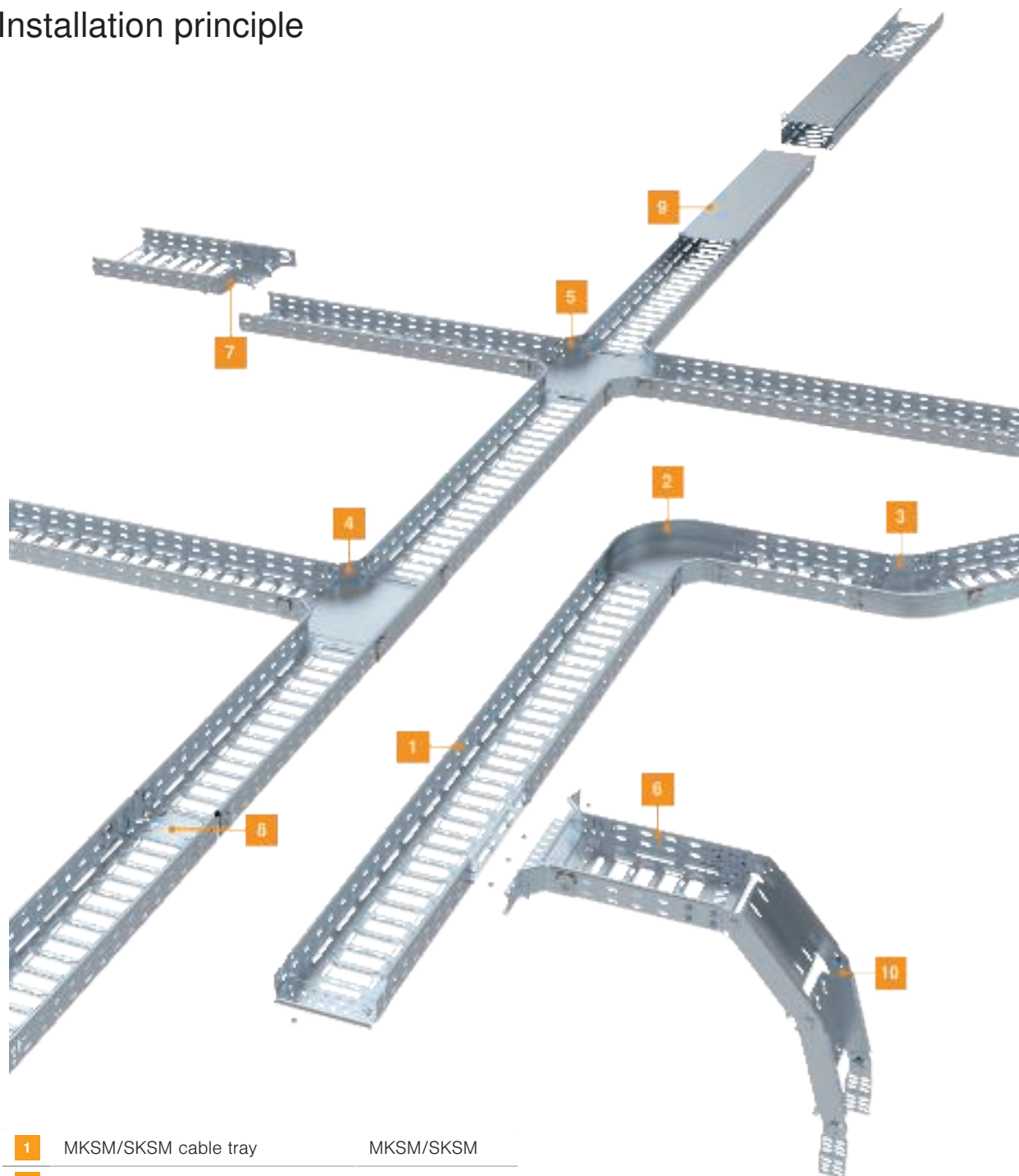


MKS-Magic® cable tray
unperforated



MKS-Magic® cable tray system

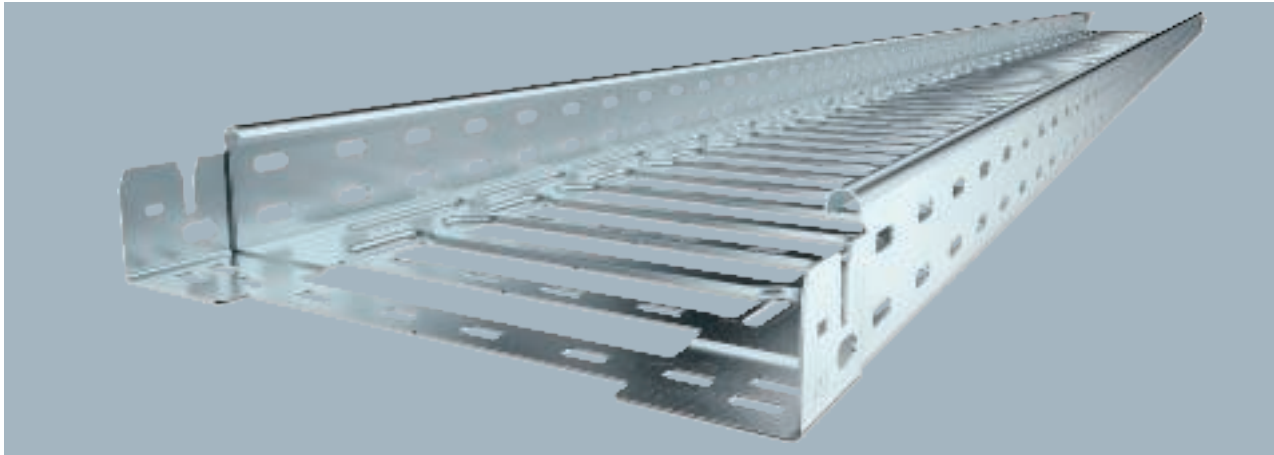
Installation principle



1	MKSM/SKSM cable tray	MKSM/SKSM
2	90° Magic bend	RBM 90
3	45° Magic bend	RBM 45
4	Magic T branch piece	RTM
5	Magic horizontal cross-over	RKM
6	Magic add-on tee	RAAM M
7	Reducer/stop-end	RWEB
8	Magic straight connector set	KTSMV
9	Cover with turn buckle	DRL
10	Adjustable bend element	RGBV



Cable tray MKS-Magic® 60

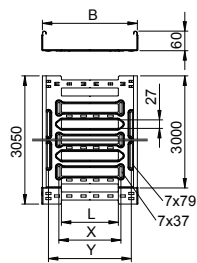


Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

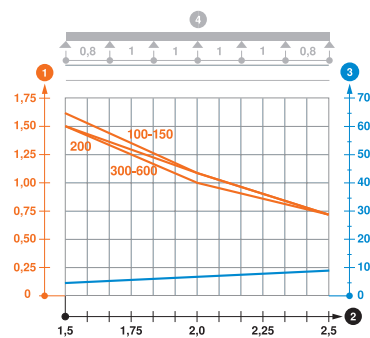
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 610 FS	100	1.00	3	166.032	6059000
MKSM 615 FS	150	1.00	3	200.983	6059002
MKSM 620 FS	200	1.00	3	219.344	6059004
MKSM 630 FS	300	1.00	3	256.721	6059006
MKSM 640 FS	400	1.00	3	298.262	6059008
MKSM 650 FS	500	1.00	3	331.475	6059010
MKSM 660 FS	600	1.00	3	368.852	6059012

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
MKSM 610 FS	3050	100	58	30	—	62
MKSM 615 FS	3050	150	88	30	46	112
MKSM 620 FS	3050	200	118	80	96	162
MKSM 630 FS	3050	300	178	180	196	262
MKSM 640 FS	3050	400	238	280	296	362
MKSM 650 FS	3050	500	298	380	396	462
MKSM 660 FS	3050	600	358	480	496	562

Load



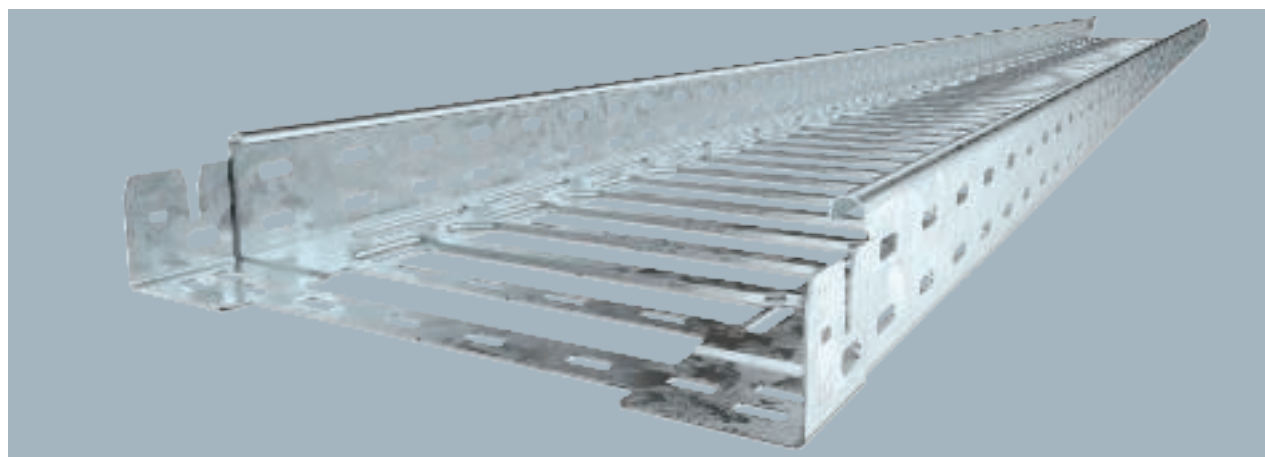
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSM 610 FS	1.6	1.1	0.7
MKSM 615 FS	1.6	1.1	0.7
MKSM 620 FS	1.5	1.1	0.7
MKSM 630 FS	1.5	1	0.7
MKSM 640 FS	1.5	1	0.7
MKSM 650 FS	1.5	1	0.7
MKSM 660 FS	1.5	1	0.7

Load diagram, cable tray, type MKSM 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS-Magic® 60

St FT

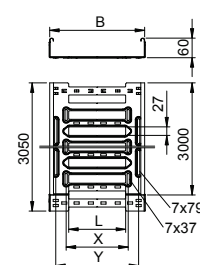


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 610 FT	100	1.00	3	182.557	6059018
MKSM 615 FT	150	1.00	3	219.016	6059020
MKSM 620 FT	200	1.00	3	239.344	6059022
MKSM 630 FT	300	1.00	3	280.000	6059025
MKSM 640 FT	400	1.00	3	327.967	6059027
MKSM 650 FT	500	1.00	3	361.311	6059029
MKSM 660 FT	600	1.00	3	402.295	6059032

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
MKSM 610 FT	3050	100	58	30	—	62
MKSM 615 FT	3050	150	88	30	46	112
MKSM 620 FT	3050	200	118	80	96	162
MKSM 630 FT	3050	300	178	180	196	262
MKSM 640 FT	3050	400	238	280	296	362
MKSM 650 FT	3050	500	298	380	396	462
MKSM 660 FT	3050	600	358	480	496	562

Dimensions

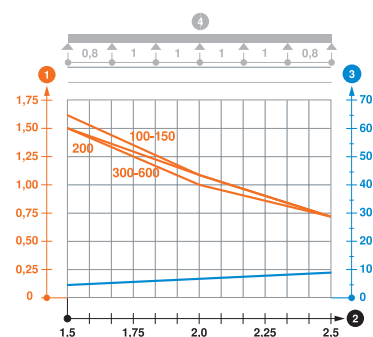


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSM 610 FT	1.6	1.1	0.7
MKSM 615 FT	1.6	1.1	0.7
MKSM 620 FT	1.5	1.1	0.7
MKSM 630 FT	1.5	1	0.7
MKSM 640 FT	1.5	1	0.7
MKSM 650 FT	1.5	1	0.7
MKSM 660 FT	1.5	1	0.7

Load diagram, cable tray, type MKSM 60

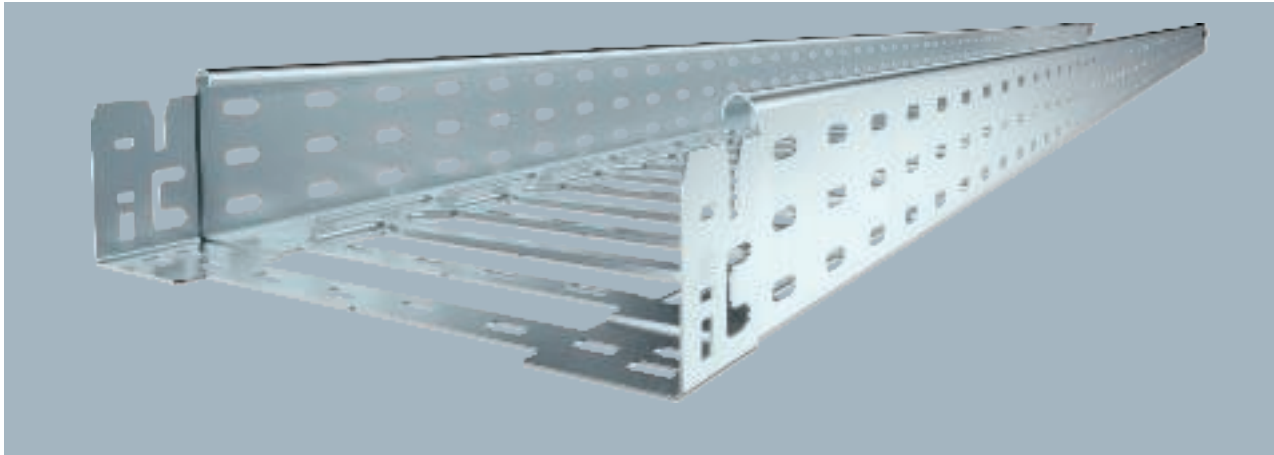
- ① Permitted cable tray/ladder load in kN/m without man load
 - ② Support width in m
 - ③ Rail bend in mm at permitted kN/m
 - ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

Load





Cable tray MKS-Magic® 85

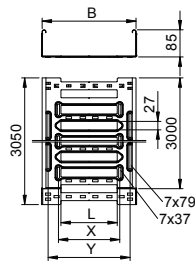


Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

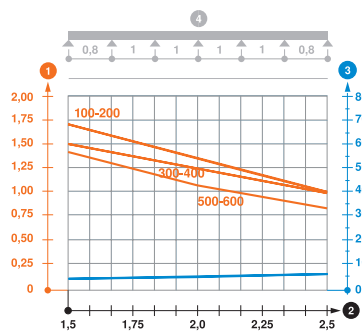
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 810 FS	100	1.00	3	200.000	6059080
MKSM 820 FS	200	1.00	3	254.754	6059084
MKSM 830 FS	300	1.00	3	292.131	6059086
MKSM 840 FS	400	1.00	3	329.508	6059088
MKSM 850 FS	500	1.00	3	366.885	6059090
MKSM 860 FS	600	1.00	3	403.934	6059092

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm
MKSM 810 FS	3050	100	83	30	—	62
MKSM 820 FS	3050	200	186	80	96	162
MKSM 830 FS	3050	300	253	180	196	262
MKSM 840 FS	3050	400	338	280	296	362
MKSM 850 FS	3050	500	423	380	396	462
MKSM 860 FS	3050	600	508	480	496	562

Load



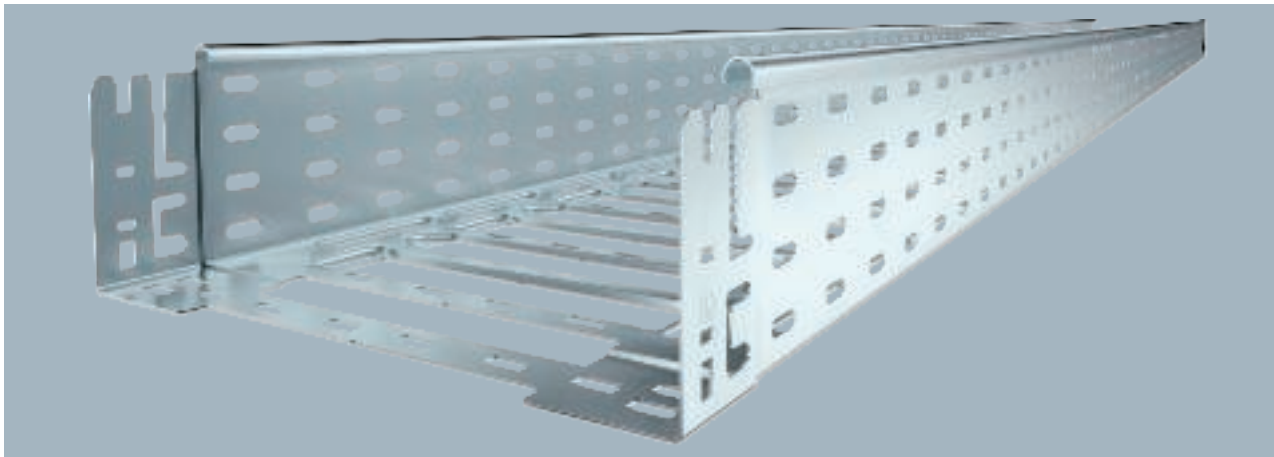
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSM 810 FS	1.7	1.35	1
MKSM 820 FS	1.7	1.35	1
MKSM 830 FS	1.5	1.25	1
MKSM 840 FS	1.5	1.25	1
MKSM 850 FS	1.4	1.1	0.85
MKSM 860 FS	1.4	1.1	0.85

Load diagram, cable tray, type MKSM 85

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



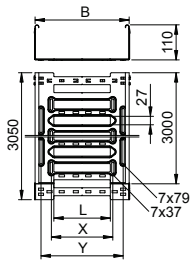
Cable tray MKS-Magic® 110



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

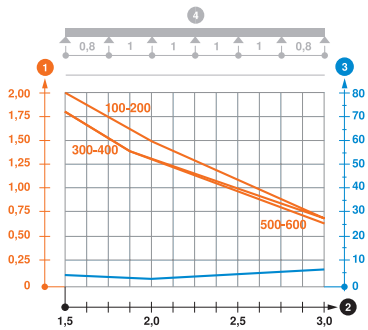
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 110 FS	100	1.00	3	236.819	6059156
MKSM 115 FS	150	1.00	3	274.426	6059158
MKSM 120 FS	200	1.00	3	293.114	6059160
MKSM 130 FS	300	1.00	3	331.081	6059162
MKSM 140 FS	400	1.00	3	369.049	6059164
MKSM 150 FS	500	1.00	3	406.983	6059166
MKSM 160 FS	600	1.00	3	444.983	6059168

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
MKSM 110 FS	3050	100	108	30	—	62
MKSM 115 FS	3050	150	161	30	46	112
MKSM 120 FS	3050	200	218	80	96	162
MKSM 130 FS	3050	300	328	180	196	262
MKSM 140 FS	3050	400	438	280	296	362
MKSM 150 FS	3050	500	548	380	396	462
MKSM 160 FS	3050	600	655	480	496	562

Load



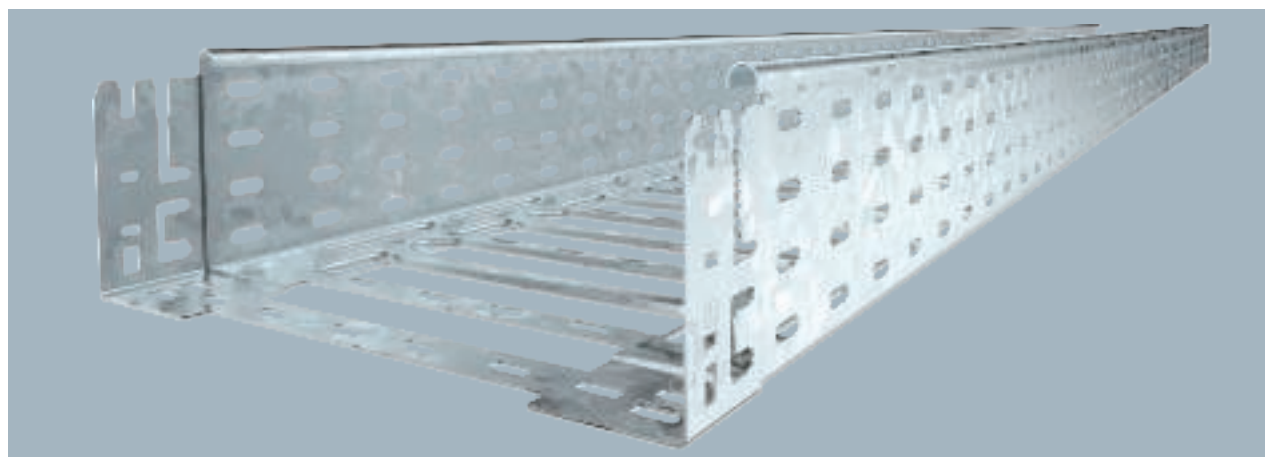
	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
MKSM 110 FS	2	1.5	0.7
MKSM 115 FS	2	1.5	0.7
MKSM 120 FS	2	1.5	0.7
MKSM 130 FS	1.8	1.3	0.7
MKSM 140 FS	1.8	1.3	0.7
MKSM 150 FS	1.8	1.3	0.65
MKSM 160 FS	1.8	1.3	0.65

Load diagram, cable tray, type MKSM 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS-Magic® 110

St FT

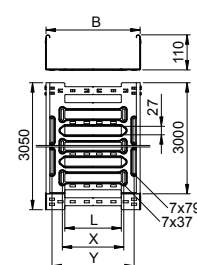


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 110 FT	100	1.00	3	260.327	6059173
MKSM 115 FT	150	1.00	3	301.672	6059175
MKSM 120 FT	200	1.00	3	322.229	6059177
MKSM 130 FT	300	1.00	3	363.967	6059179
MKSM 140 FT	400	1.00	3	405.737	6059181
MKSM 150 FT	500	1.00	3	447.442	6059183
MKSM 160 FT	600	1.00	3	489.180	6059185

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
MKSM 110 FT	3050	100	108	30	—	62
MKSM 115 FT	3050	150	161	30	46	112
MKSM 120 FT	3050	200	218	80	96	162
MKSM 130 FT	3050	300	328	180	196	262
MKSM 140 FT	3050	400	438	280	296	362
MKSM 150 FT	3050	500	548	380	396	462
MKSM 160 FT	3050	600	655	480	496	562

Dimensions

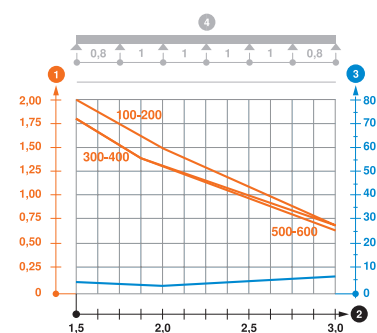


	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
MKSM 110 FT	2	1.5	0.7
MKSM 115 FT	2	1.5	0.7
MKSM 120 FT	2	1.5	0.7
MKSM 130 FT	1.8	1.3	0.7
MKSM 140 FT	1.8	1.3	0.7
MKSM 150 FT	1.8	1.3	0.65
MKSM 160 FT	1.8	1.3	0.65

Load diagram, cable tray, type MKSM 110

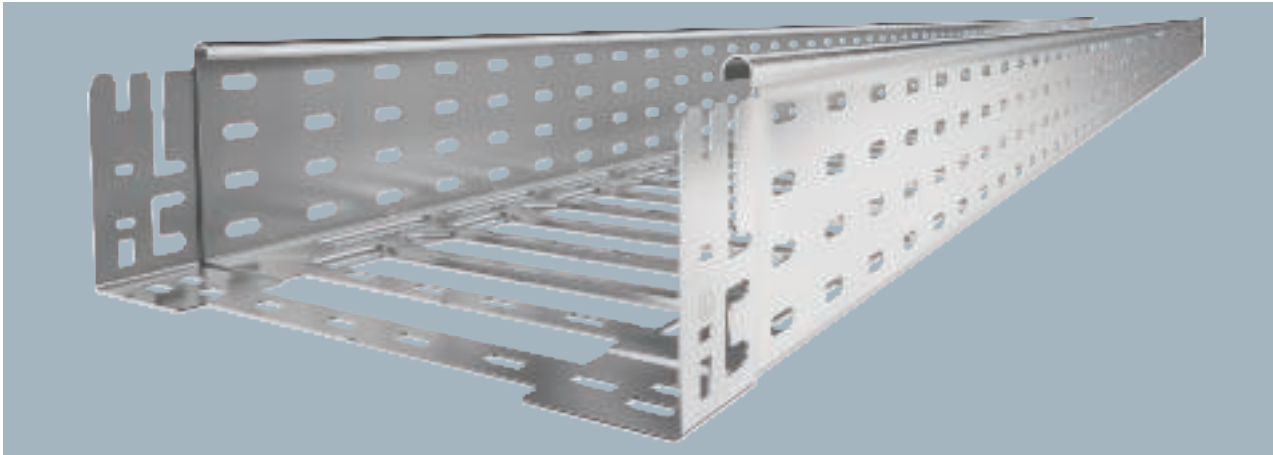
- ① Permitted cable tray/ladder load in kN/m without man load
 - ② Support width in m
 - ③ Rail bend in mm at permitted kN/m
 - ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

Load





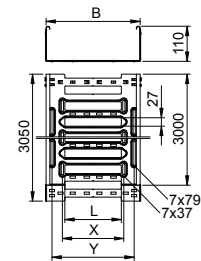
Cable tray MKS-Magic® 110



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

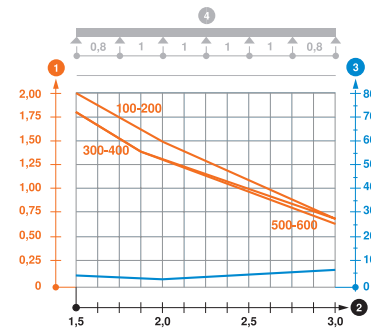
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSM 110 A2	100	1.00	3	240.767	6059190
MKSM 120 A2	200	1.00	3	298.000	6059194
MKSM 130 A2	300	1.00	3	336.600	6059196
MKSM 140 A2	400	1.00	3	375.200	6059198
MKSM 150 A2	500	1.00	3	413.767	6059200
MKSM 160 A2	600	1.00	3	452.400	6059202

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm
MKSM 110 A2	3050	100	108	30	—	62
MKSM 120 A2	3050	200	218	80	96	162
MKSM 130 A2	3050	300	328	180	196	262
MKSM 140 A2	3050	400	438	280	296	362
MKSM 150 A2	3050	500	548	380	396	462
MKSM 160 A2	3050	600	655	480	496	562

Load



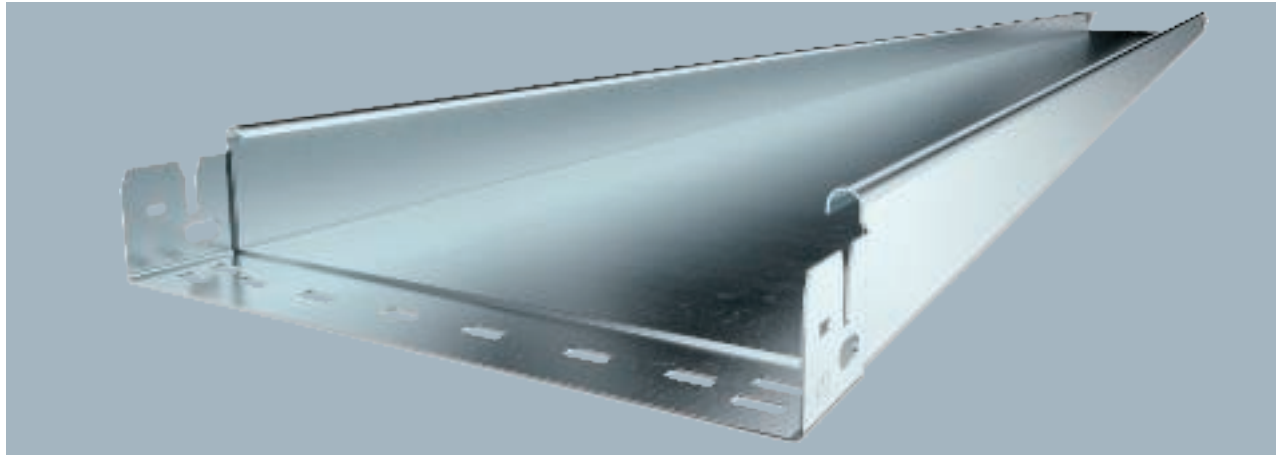
	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
MKSM 110 A2	2	1.5	0.7
MKSM 120 A2	2	1.5	0.7
MKSM 130 A2	1.45	1.2	0.7
MKSM 140 A2	1.45	1.2	0.7
MKSM 150 A2	1.1	0.95	0.65
MKSM 160 A2	1.1	0.95	0.65

Load diagram, cable tray, type MKSM 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS-Magic® 60, unperforated

St FS

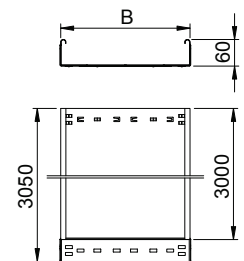


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 610 FS	100	1.00	3	191.672	6059230
MKSMU 615 FS	150	1.00	3	230.852	6059232
MKSMU 620 FS	200	1.00	3	269.836	6059234
MKSMU 630 FS	300	1.00	3	348.459	6059237
MKSMU 640 FS	400	1.00	3	426.918	6059239
MKSMU 650 FS	500	1.00	3	505.311	6059241
MKSMU 660 FS	600	1.00	3	583.737	6059243

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKSMU 610 FS	3050	100	58
MKSMU 615 FS	3050	150	88
MKSMU 620 FS	3050	200	118
MKSMU 630 FS	3050	300	178
MKSMU 640 FS	3050	400	238
MKSMU 650 FS	3050	500	298
MKSMU 660 FS	3050	600	358

Dimensions

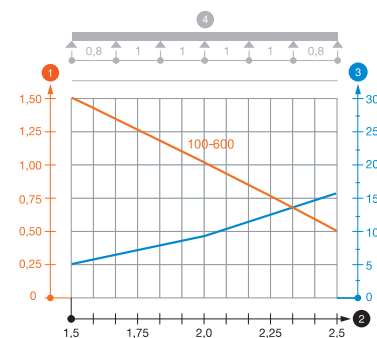


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSMU 610 FS	1.5	1	0.5
MKSMU 615 FS	1.5	1	0.5
MKSMU 620 FS	1.5	1	0.5
MKSMU 630 FS	1.5	1	0.5
MKSMU 640 FS	1.5	1	0.5
MKSMU 650 FS	1.5	1	0.5
MKSMU 660 FS	1.5	1	0.5

Load diagram, cable tray, type MKSMU 60

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

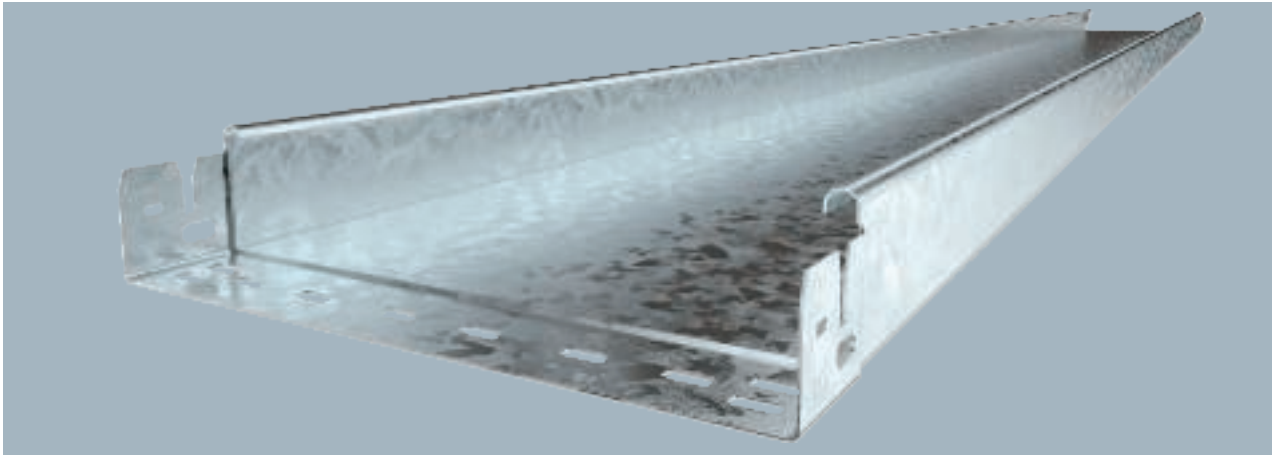
Load



St FT



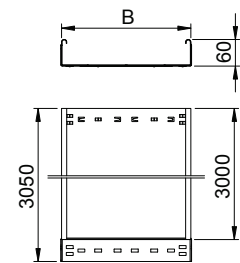
Cable tray MKS-Magic® 60, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

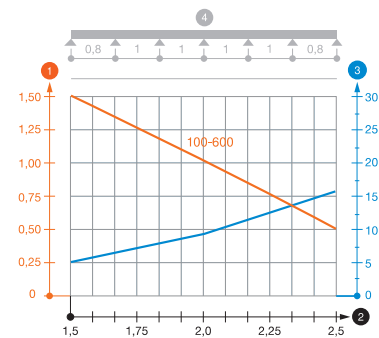
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 610 FT	100	1.00	3	210.688	6059248
MKSMU 615 FT	150	1.00	3	253.770	6059250
MKSMU 620 FT	200	1.00	3	296.819	6059252
MKSMU 630 FT	300	1.00	3	383.081	6059254
MKSMU 640 FT	400	1.00	3	469.311	6059256
MKSMU 650 FT	500	1.00	3	555.508	6059258
MKSMU 660 FT	600	1.00	3	641.770	6059260

Dimensions



Type	Length mm	Usable Dim. B mm	cross- section cm²
MKSMU 610 FT	3050	100	58
MKSMU 615 FT	3050	150	88
MKSMU 620 FT	3050	200	118
MKSMU 630 FT	3050	300	178
MKSMU 640 FT	3050	400	238
MKSMU 650 FT	3050	500	298
MKSMU 660 FT	3050	600	358

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSMU 610 FT	1.5	1	0.5
MKSMU 615 FT	1.5	1	0.5
MKSMU 620 FT	1.5	1	0.5
MKSMU 630 FT	1.5	1	0.5
MKSMU 640 FT	1.5	1	0.5
MKSMU 650 FT	1.5	1	0.5
MKSMU 660 FT	1.5	1	0.5

Load diagram, cable tray, type MKSMU 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS-Magic® 60, unperforated

VA 2B

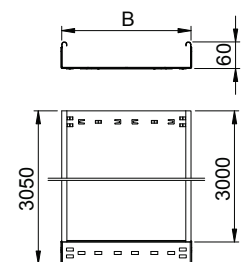


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 610 A2	100	1.00	3	194.867	6059265
MKSMU 620 A2	200	1.00	3	274.500	6059269
MKSMU 630 A2	300	1.00	3	354.267	6059271
MKSMU 640 A2	400	1.00	3	434.033	6059273
MKSMU 650 A2	500	1.00	3	513.733	6059275
MKSMU 660 A2	600	1.00	3	593.467	6059277

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

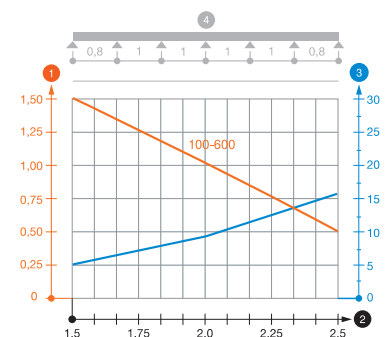
Type	Length mm	Dim. B mm	Usable cross- section cm²
MKSMU 610 A2	3050	100	58
MKSMU 620 A2	3050	200	118
MKSMU 630 A2	3050	300	178
MKSMU 640 A2	3050	400	238
MKSMU 650 A2	3050	500	298
MKSMU 660 A2	3050	600	358

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSMU 610 A2	1.5	1	0.5
MKSMU 620 A2	1.5	1	0.5
MKSMU 630 A2	1.5	1	0.5
MKSMU 640 A2	1.5	1	0.5
MKSMU 650 A2	1.5	1	0.5
MKSMU 660 A2	1.5	1	0.5

Load



Load diagram, cable tray, type MKSMU 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



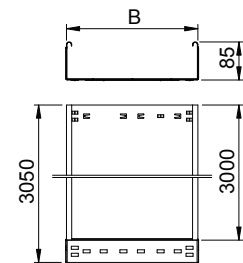
Cable tray MKS-Magic® 85, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

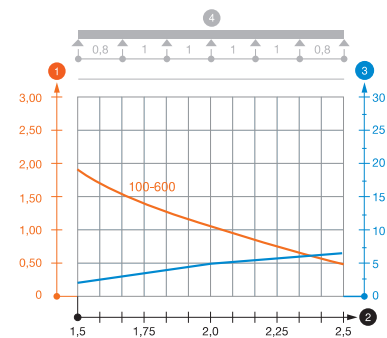
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 810 FS	100	1.00	3	230.721	6059308
MKSMU 820 FS	200	1.00	3	309.049	6059312
MKSMU 830 FS	300	1.00	3	387.508	6059314
MKSMU 840 FS	400	1.00	3	465.934	6059316
MKSMU 850 FS	500	1.00	3	544.360	6059318
MKSMU 860 FS	600	1.00	3	622.786	6059320

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
MKSMU 810 FS	3050	100	83
MKSMU 820 FS	3050	200	186
MKSMU 830 FS	3050	300	253
MKSMU 840 FS	3050	400	338
MKSMU 850 FS	3050	500	423
MKSMU 860 FS	3050	600	508

Load



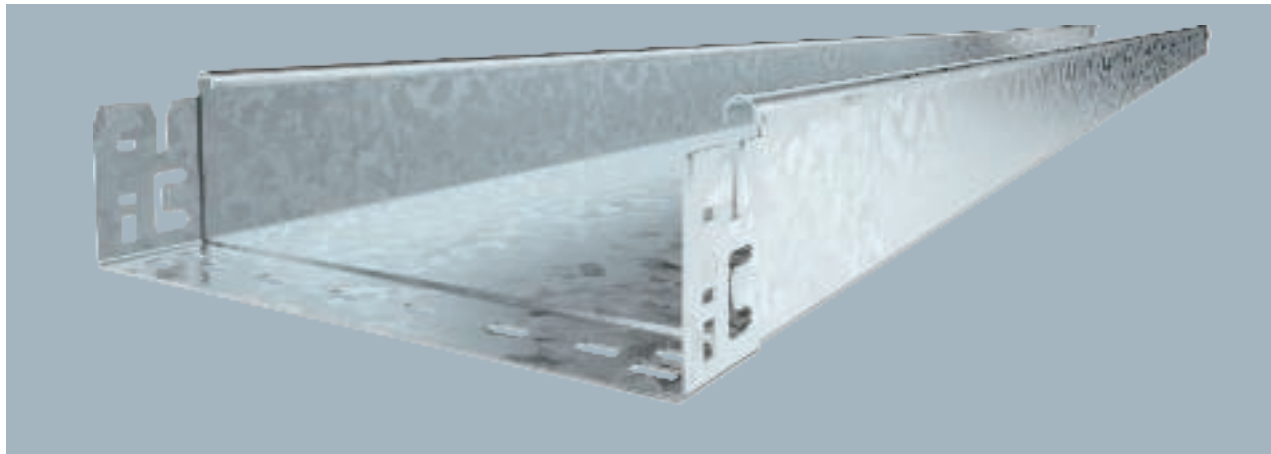
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSMU 810 FS	1.75	1.1	0.5
MKSMU 820 FS	1.75	1.1	0.5
MKSMU 830 FS	1.75	1.1	0.5
MKSMU 840 FS	1.75	1.1	0.5
MKSMU 850 FS	1.75	1.1	0.5
MKSMU 860 FS	1.75	1.1	0.5

Load diagram, cable tray, type MKSMU 85

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS-Magic® 85, unperforated

St FT

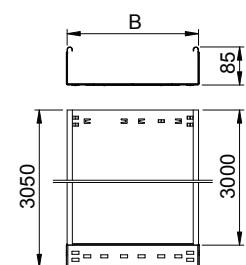


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 810 FT	100	1.00	3	253.606	6059325
MKSMU 820 FT	200	1.00	3	339.737	6059329
MKSMU 830 FT	300	1.00	3	426.000	6059331
MKSMU 840 FT	400	1.00	3	512.229	6059333
MKSMU 850 FT	500	1.00	3	598.459	6059335
MKSMU 860 FT	600	1.00	3	684.688	6059337

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

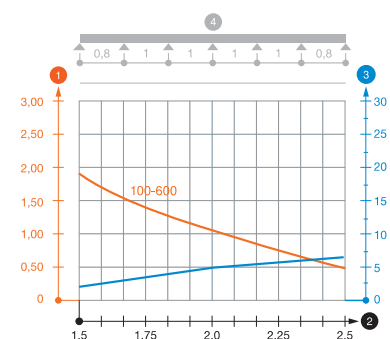
Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKSMU 810 FT	3050	100	83
MKSMU 820 FT	3050	200	186
MKSMU 830 FT	3050	300	253
MKSMU 840 FT	3050	400	338
MKSMU 850 FT	3050	500	423
MKSMU 860 FT	3050	600	508

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKSMU 810 FT	1.75	1.1	0.5
MKSMU 820 FT	1.75	1.1	0.5
MKSMU 830 FT	1.75	1.1	0.5
MKSMU 840 FT	1.75	1.1	0.5
MKSMU 850 FT	1.75	1.1	0.5
MKSMU 860 FT	1.75	1.1	0.5

Load



Load diagram, cable tray, type MKSMU 85

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

St FS



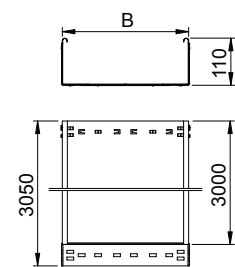
Cable tray MKS-Magic® 110, unperforated



Unperforated cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.

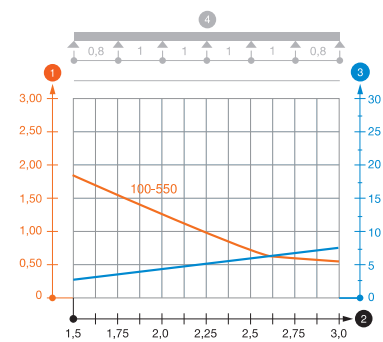
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 110 FS	100	1.00	3	269.672	6059382
MKSMU 115 FS	150	1.00	3	308.885	6059384
MKSMU 120 FS	200	1.00	3	348.032	6059386
MKSMU 130 FS	300	1.00	3	426.459	6059388
MKSMU 140 FS	400	1.00	3	504.918	6059390
MKSMU 150 FS	500	1.00	3	583.311	6059392
MKSMU 160 FS	600	1.00	3	661.770	6059394

Dimensions



Type	Length mm	Usable Dim. B mm	cross- section cm²
MKSMU 110 FS	3050	100	108
MKSMU 115 FS	3050	150	161
MKSMU 120 FS	3050	200	218
MKSMU 130 FS	3050	300	328
MKSMU 140 FS	3050	400	438
MKSMU 150 FS	3050	500	548
MKSMU 160 FS	3050	600	655

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKSMU 110 FS	1.85	1.3	0.75	0.6
MKSMU 115 FS	1.85	1.3	0.75	0.6
MKSMU 120 FS	1.85	1.3	0.75	0.6
MKSMU 130 FS	1.85	1.3	0.75	0.6
MKSMU 140 FS	1.85	1.3	0.75	0.6
MKSMU 150 FS	1.85	1.3	0.75	0.6
MKSMU 160 FS	1.85	1.3	0.75	0.6

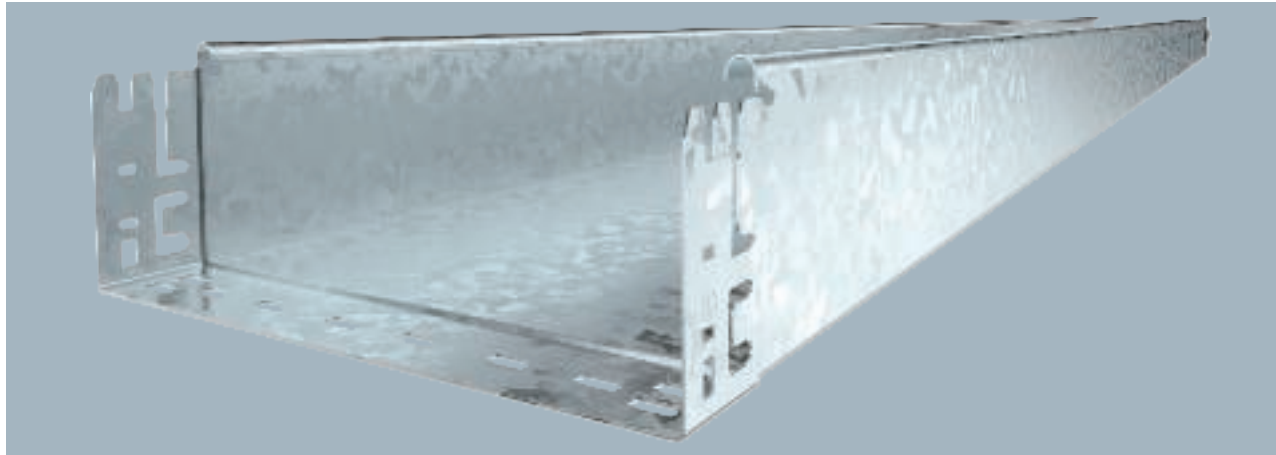
Load diagram, cable tray, type MKSMU 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable tray MKS-Magic® 110, unperforated

St FT

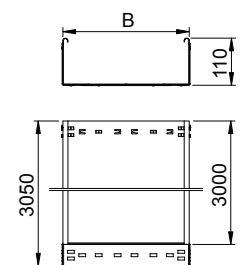


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 110 FT	100	1.00	3	296.459	6059399
MKSMU 115 FT	150	1.00	3	339.540	6059401
MKSMU 120 FT	200	1.00	3	382.590	6059403
MKSMU 130 FT	300	1.00	3	468.852	6059405
MKSMU 140 FT	400	1.00	3	555.081	6059407
MKSMU 150 FT	500	1.00	3	641.278	6059409
MKSMU 160 FT	600	1.00	3	727.540	6059411

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

Type	Length mm	Width mm	Usable cross- section cm ²
MKSMU 110 FT	3050	100	108
MKSMU 115 FT	3050	150	161
MKSMU 120 FT	3050	200	218
MKSMU 130 FT	3050	300	328
MKSMU 140 FT	3050	400	438
MKSMU 150 FT	3050	500	548
MKSMU 160 FT	3050	600	655

Dimensions

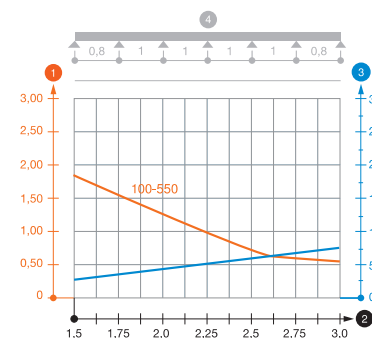


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKSMU 110 FT	1.85	1.3	0.75	0.6
MKSMU 115 FT	1.85	1.3	0.75	0.6
MKSMU 120 FT	1.85	1.3	0.75	0.6
MKSMU 130 FT	1.85	1.3	0.75	0.6
MKSMU 140 FT	1.85	1.3	0.75	0.6
MKSMU 150 FT	1.85	1.3	0.75	0.6
MKSMU 160 FT	1.85	1.3	0.75	0.6

Load diagram, cable tray, type MKSMU 110

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





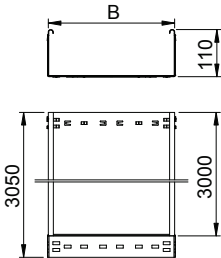
Cable tray MKS-Magic® 110, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

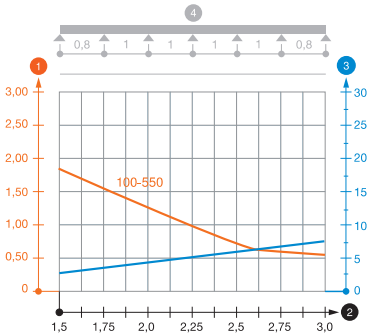
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKSMU 110 A2	100	1.00	3	274.167	6059416
MKSMU 120 A2	200	1.00	3	353.833	6059420
MKSMU 130 A2	300	1.00	3	433.600	6059422
MKSMU 140 A2	400	1.00	3	513.333	6059424
MKSMU 150 A2	500	1.00	3	593.033	6059426
MKSMU 160 A2	600	1.00	3	672.800	6059428

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
MKSMU 110 A2	3050	100	108
MKSMU 120 A2	3050	200	218
MKSMU 130 A2	3050	300	328
MKSMU 140 A2	3050	400	438
MKSMU 150 A2	3050	500	548
MKSMU 160 A2	3050	600	655

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKSMU 110 A2	1.85	1.3	0.75	0.6
MKSMU 120 A2	1.85	1.3	0.75	0.6
MKSMU 130 A2	1.85	1.3	0.75	0.6
MKSMU 140 A2	1.85	1.3	0.75	0.6
MKSMU 150 A2	1.85	1.3	0.75	0.6
MKSMU 160 A2	1.85	1.3	0.75	0.6

Load diagram, cable tray, type MKSMU 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



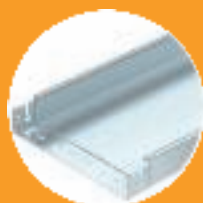
SKS-Magic® cable tray system

The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range, with suitable system components, can create perfect solutions for any task.

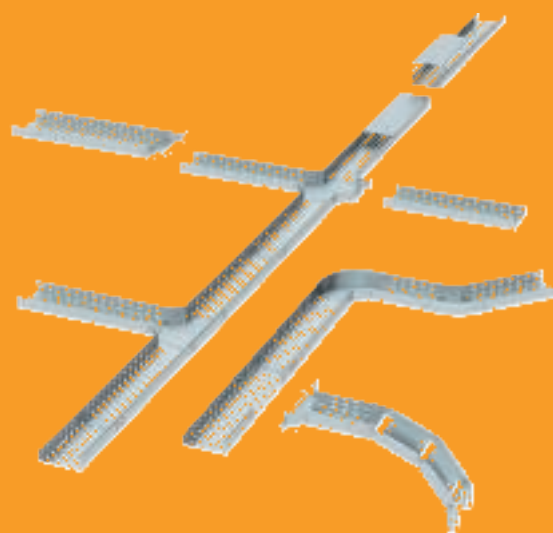
- Snap-in fittings with screwless Magic connection
- Side height 60, 85 and 110 mm



Cable tray SKS-Magic®

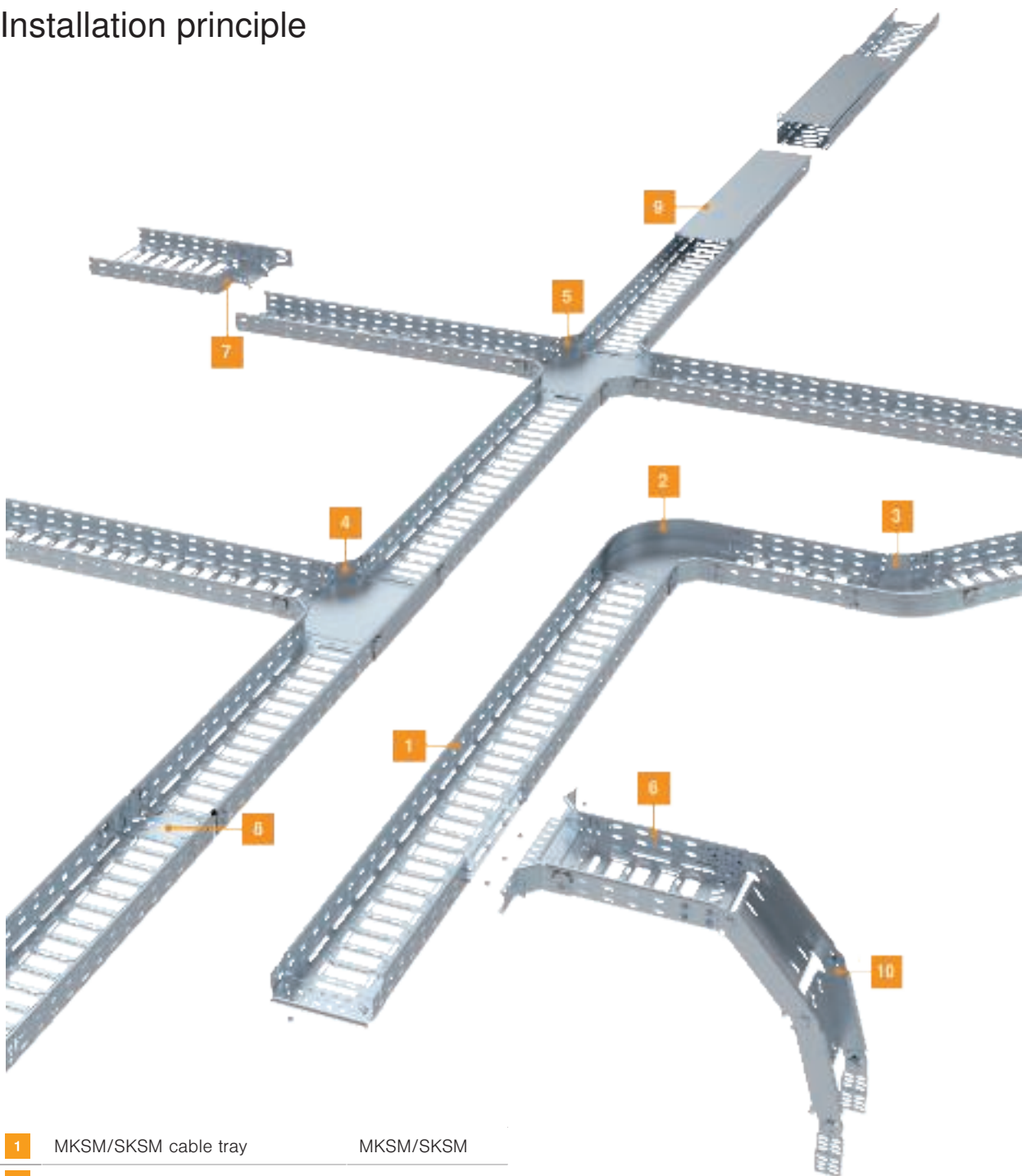


Cable tray SKS-Magic®
unperforated



SKS-Magic® cable tray system

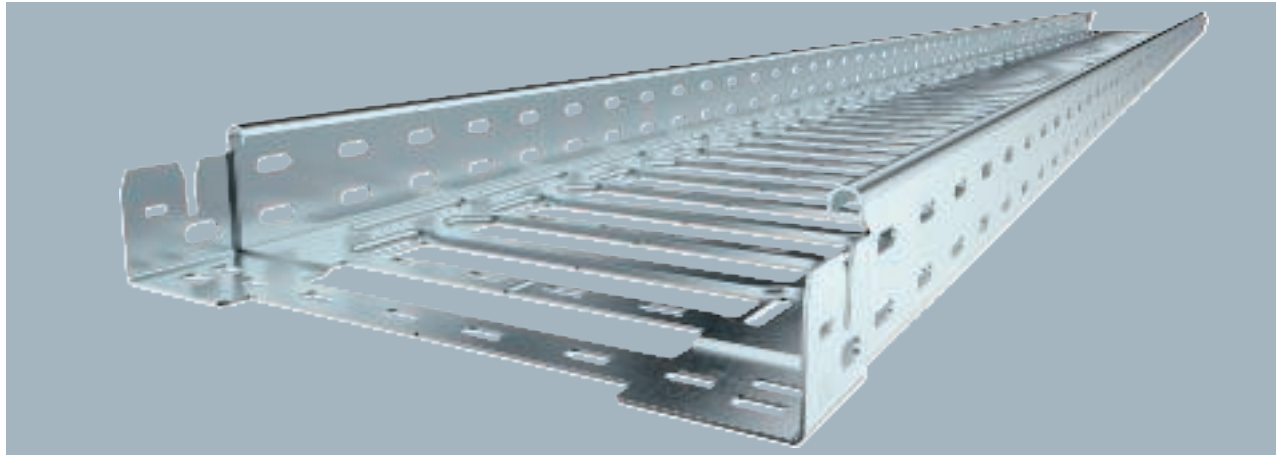
Installation principle



1	MKSM/SKSM cable tray	MKSM/SKSM
2	90° Magic bend	RBM 90
3	45° Magic bend	RBM 45
4	Magic T branch piece	RTM
5	Magic horizontal cross-over	RKM
6	Magic add-on tee	RAAM M
7	Reducer/stop-end	RWEB
8	Magic straight connector set	KTSMV
9	Cover with turn buckle	DRL
10	Adjustable bend element	RGBV

Cable tray SKS-Magic® 60

St FS



Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 610 FS	100	1.50	3	249.573	6059456
SKSM 615 FS	150	1.50	3	301.639	6059458
SKSM 620 FS	200	1.50	3	329.180	6059460
SKSM 630 FS	300	1.50	3	385.245	6059462
SKSM 640 FS	400	1.50	3	441.311	6059464
SKSM 650 FS	500	1.50	3	504.852	6059466
SKSM 660 FS	600	1.50	3	553.442	6059468

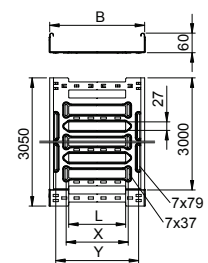
Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.

The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
SKSM 610 FS	3050	100	58	30	—	62
SKSM 615 FS	3050	150	88	30	46	112
SKSM 620 FS	3050	200	118	80	96	162
SKSM 630 FS	3050	300	178	180	196	262
SKSM 640 FS	3050	400	238	280	296	362
SKSM 650 FS	3050	500	298	380	396	462
SKSM 660 FS	3050	600	358	480	496	562

Dimensions

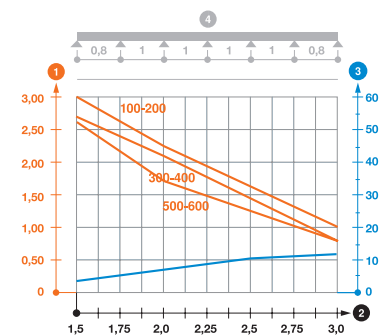


	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 610 FS	3	2.25	1
SKSM 615 FS	3	2.25	1
SKSM 620 FS	3	2.25	1
SKSM 630 FS	2.7	2.1	0.8
SKSM 640 FS	2.7	2.1	0.8
SKSM 650 FS	2.6	1.8	0.8
SKSM 660 FS	2.6	1.8	0.8

Load diagram, cable tray, type SKSM 60

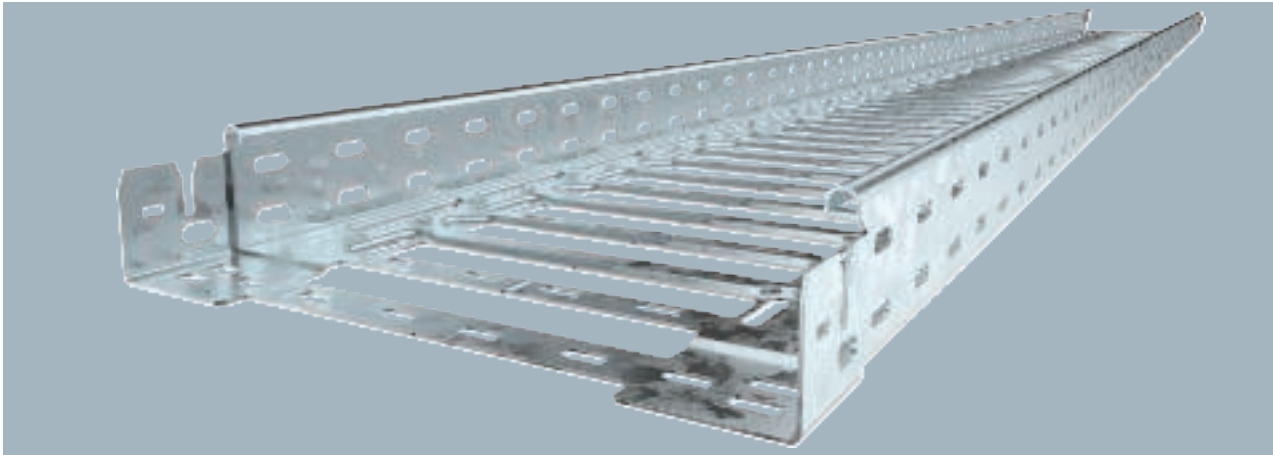
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





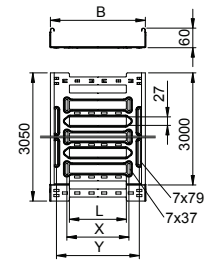
Cable tray SKS-Magic® 60



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

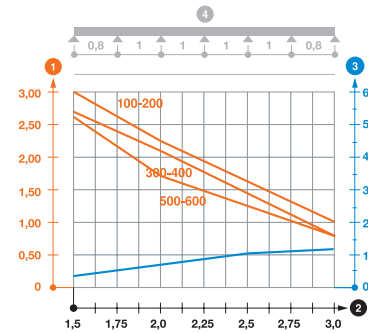
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 610 FT	100	1.50	3	266.098	6059473
SKSM 615 FT	150	1.50	3	328.852	6059475
SKSM 620 FT	200	1.50	3	359.016	6059477
SKSM 630 FT	300	1.50	3	420.000	6059479
SKSM 640 FT	400	1.50	3	481.311	6059481
SKSM 650 FT	500	1.50	3	538.295	6059483
SKSM 660 FT	600	1.50	3	603.606	6059485

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 610 FT	3050	100	58	30	—	62	
SKSM 615 FT	3050	150	88	30	46	112	
SKSM 620 FT	3050	200	118	80	96	162	
SKSM 630 FT	3050	300	178	180	196	262	
SKSM 640 FT	3050	400	238	280	296	362	
SKSM 650 FT	3050	500	298	380	396	462	
SKSM 660 FT	3050	600	358	480	496	562	

Load



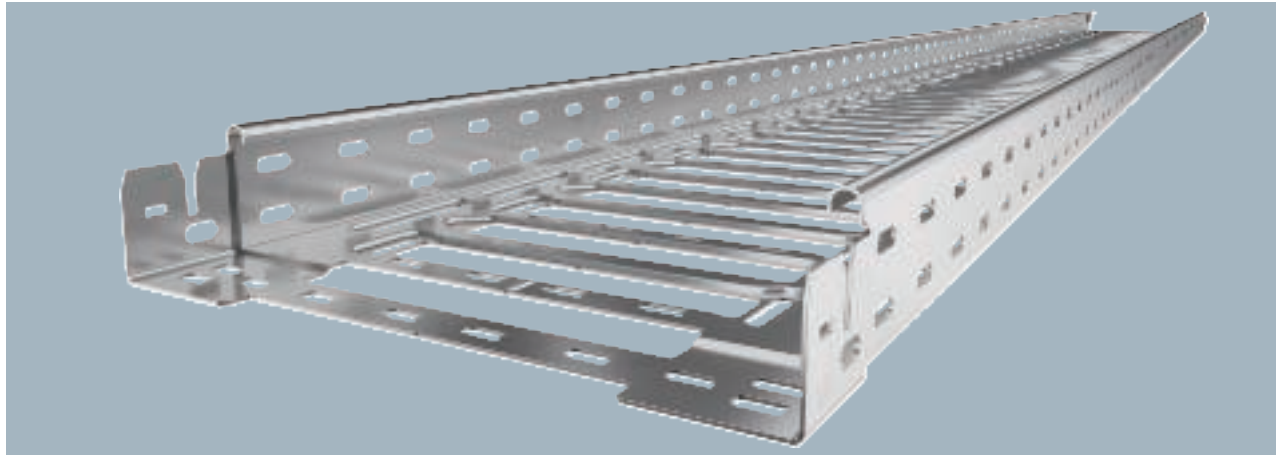
	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 610 FT	3	2.25	1
SKSM 615 FT	3	2.25	1
SKSM 620 FT	3	2.25	1
SKSM 630 FT	2.7	2.1	0.8
SKSM 640 FT	2.7	2.1	0.8
SKSM 650 FT	2.6	1.8	0.8
SKSM 660 FT	2.6	1.8	0.8

Load diagram, cable tray, type SKSM 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 60

VA 2B

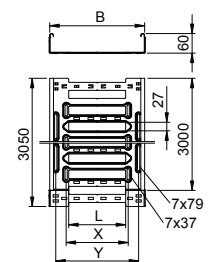


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 610 A2	100	1.50	3	253.733	6059490
SKSM 620 A2	200	1.50	3	337.000	6059494
SKSM 630 A2	300	1.50	3	397.000	6059496
SKSM 640 A2	400	1.50	3	451.333	6059498
SKSM 650 A2	500	1.50	3	513.267	6059500
SKSM 660 A2	600	1.50	3	566.000	6059502

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 610 A2	3050	100	58	30	—	62	
SKSM 620 A2	3050	200	118	80	96	162	
SKSM 630 A2	3050	300	178	180	196	262	
SKSM 640 A2	3050	400	238	280	296	362	
SKSM 650 A2	3050	500	298	380	396	462	
SKSM 660 A2	3050	600	358	480	496	562	

Dimensions

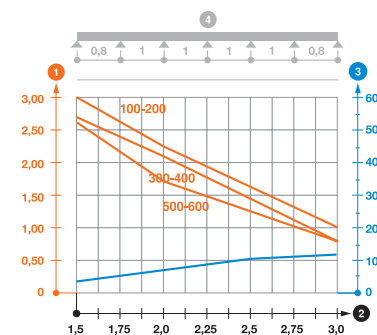


	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 610 A2	3	2.25	1
SKSM 620 A2	3	2.25	1
SKSM 630 A2	2.7	2.1	0.8
SKSM 640 A2	2.7	2.1	0.8
SKSM 650 A2	1.9	1.55	0.8
SKSM 660 A2	1.9	1.55	0.8

Load diagram, cable tray, type SKSM 60

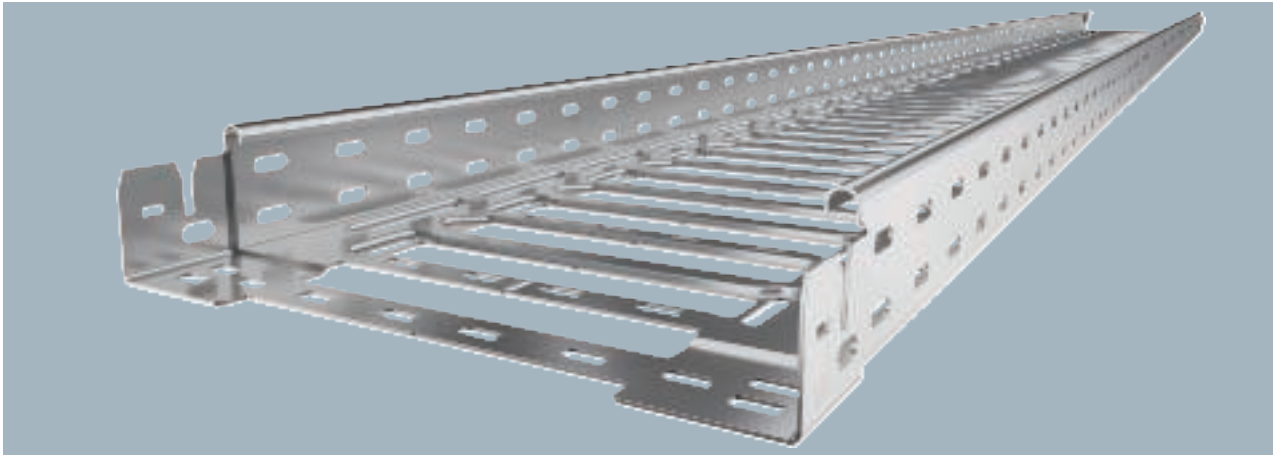
- 1 Permitted cable tray/ladder load in kN/m without man load
 - 2 Support width in m
 - 3 Rail bend in mm at permitted kN/m
 - 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

Load





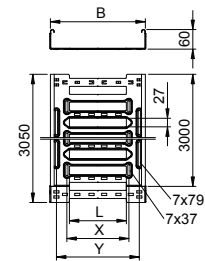
Cable tray SKS-Magic® 60



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

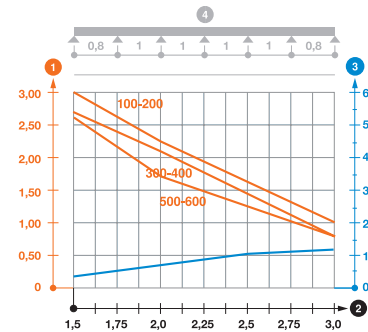
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 610 A4	100	1.50	3	253.733	6059507
SKSM 620 A4	200	1.50	3	337.000	6059511
SKSM 630 A4	300	1.50	3	397.000	6059513
SKSM 640 A4	400	1.50	3	451.333	6059515
SKSM 650 A4	500	1.50	3	513.267	6059517
SKSM 660 A4	600	1.50	3	566.000	6059519

Dimensions



Type	Length mm	Usable Dim. B mm	cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 610 A4	3050	100	58	30	—	62	
SKSM 620 A4	3050	200	118	80	96	162	
SKSM 630 A4	3050	300	178	180	196	262	
SKSM 640 A4	3050	400	238	280	296	362	
SKSM 650 A4	3050	500	298	380	396	462	
SKSM 660 A4	3050	600	358	480	396	562	

Load



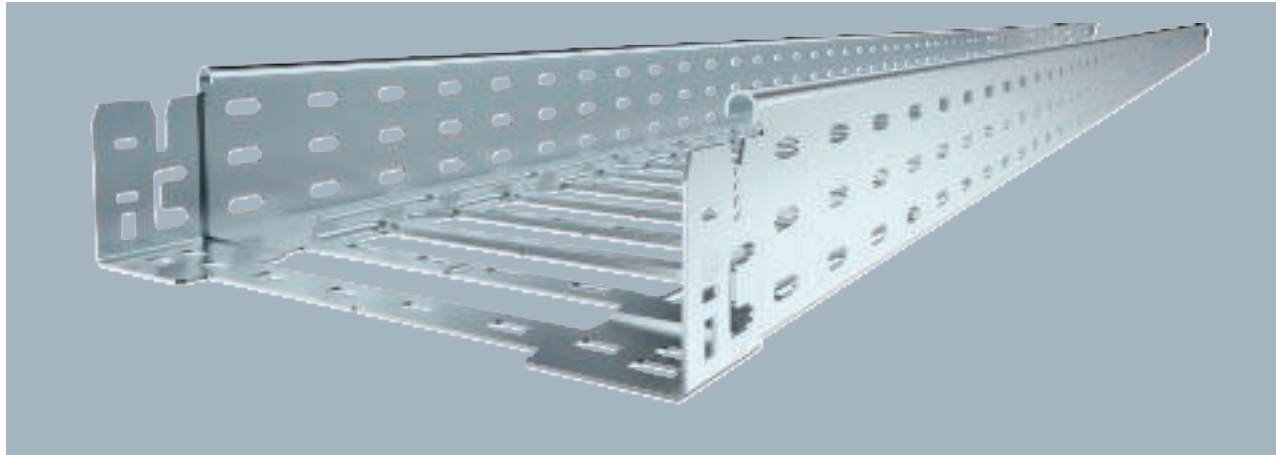
		1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 610 A4	3	2.25	1	
SKSM 620 A4	3	2.25	1	
SKSM 630 A4	2.7	2.1	0.8	
SKSM 640 A4	2.7	2.1	0.8	
SKSM 650 A4	1.9	1.55	0.8	
SKSM 660 A4	1.9	1.55	0.8	

Load diagram, cable tray, type SKSM 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 85

St FS



Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 810 FS	100	1.50	3	301.836	6059530
SKSM 820 FS	200	1.50	3	381.967	6059534
SKSM 830 FS	300	1.50	3	438.032	6059536
SKSM 840 FS	400	1.50	3	494.098	6059538
SKSM 850 FS	500	1.50	3	550.163	6059540
SKSM 860 FS	600	1.50	3	605.901	6059542

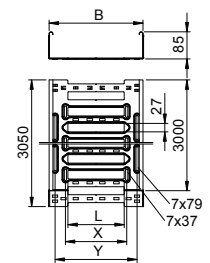
Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm.

The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components.

From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 810 FS	3050	100	83	30	—	62	
SKSM 820 FS	3050	200	186	80	96	162	
SKSM 830 FS	3050	300	253	180	196	262	
SKSM 840 FS	3050	400	338	280	296	362	
SKSM 850 FS	3050	500	423	380	396	462	
SKSM 860 FS	3050	600	508	480	496	562	

Dimensions



	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 810 FS	3.4	2.7	1.5
SKSM 820 FS	3.4	2.7	1.5
SKSM 830 FS	2.8	2.25	1.35
SKSM 840 FS	2.8	2.25	1.35
SKSM 850 FS	2.4	1.75	1.2
SKSM 860 FS	2.4	1.75	1.2

Load diagram, cable tray, type SKSM 85

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

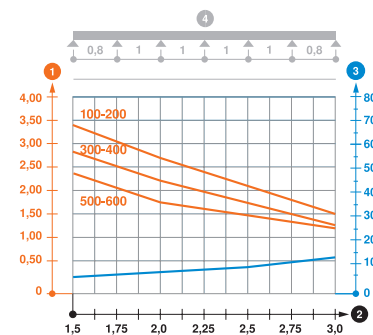
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

— Load curve with cable tray/ladder width in mm

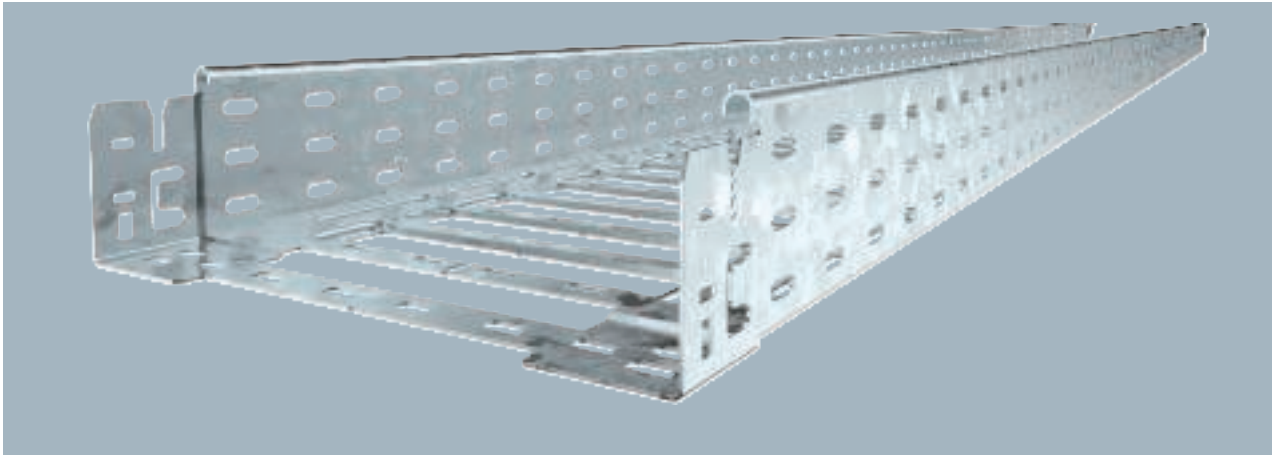
— Strut bend curve according to support width

Load





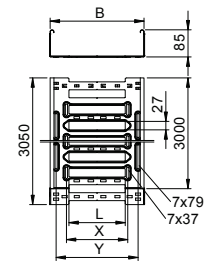
Cable tray SKS-Magic® 85



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

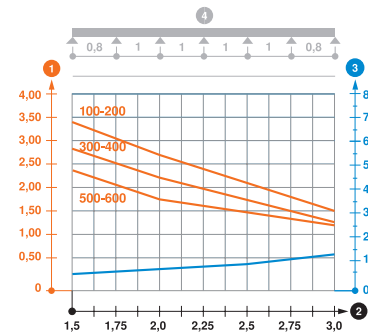
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 810 FT	100	1.50	3	321.868	6059549
SKSM 820 FT	200	1.50	3	404.918	6059553
SKSM 830 FT	300	1.50	3	464.590	6059555
SKSM 840 FT	400	1.50	3	523.934	6059557
SKSM 850 FT	500	1.50	3	583.278	6059559
SKSM 860 FT	600	1.50	3	642.950	6059561

Dimensions



Type	Length mm	Usable Dim. B mm	cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 810 FT	3050	100	83	30	—	62	
SKSM 820 FT	3050	200	186	80	96	162	
SKSM 830 FT	3050	300	253	180	196	262	
SKSM 840 FT	3050	400	338	280	296	362	
SKSM 850 FT	3050	500	423	380	396	462	
SKSM 860 FT	3050	600	508	480	496	562	

Load



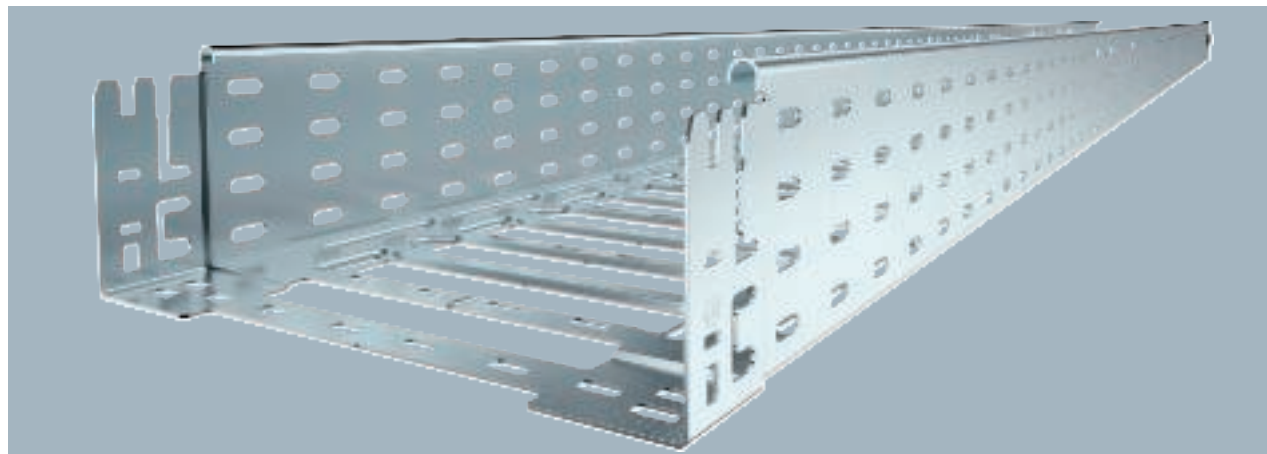
	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SKSM 810 FT	3.4	2.7	1.5
SKSM 820 FT	3.4	2.7	1.5
SKSM 830 FT	2.8	2.25	1.35
SKSM 840 FT	2.8	2.25	1.35
SKSM 850 FT	2.4	1.75	1.2
SKSM 860 FT	2.4	1.75	1.2

Load diagram, cable tray, type SKSM 85

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 110

St FS

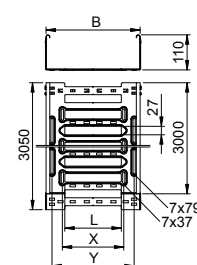


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 110 FS	100	1.50	3	353.114	6059614
SKSM 115 FS	150	1.50	3	407.213	6059616
SKSM 120 FS	200	1.50	3	434.754	6059618
SKSM 130 FS	300	1.50	3	490.819	6059620
SKSM 140 FS	400	1.50	3	546.885	6059622
SKSM 150 FS	500	1.50	3	602.950	6059624
SKSM 160 FS	600	1.50	3	667.278	6059626

Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

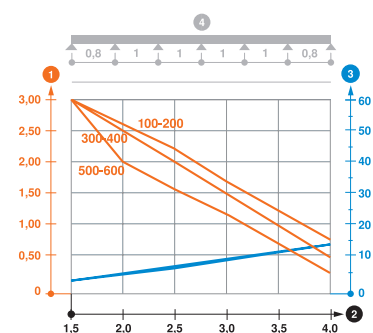
Type	Length mm	Dim. B mm	Usable cross- section cm ²	Dim. L mm	Dim. x mm	Dim- en- sion y mm
SKSM 110 FS	3050	100	108	30	—	62
SKSM 115 FS	3050	150	161	30	46	112
SKSM 120 FS	3050	200	218	80	96	162
SKSM 130 FS	3050	300	328	180	196	262
SKSM 140 FS	3050	400	438	280	296	362
SKSM 150 FS	3050	500	548	380	396	462
SKSM 160 FS	3050	600	655	480	496	562

Dimensions



	1.5 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSM 110 FS	3	1.7	0.8
SKSM 115 FS	3	1.7	0.8
SKSM 120 FS	3	1.7	0.8
SKSM 130 FS	3	1.5	0.5
SKSM 140 FS	3	1.5	0.5
SKSM 150 FS	3	1.2	0.3
SKSM 160 FS	3	1.2	0.3

Load



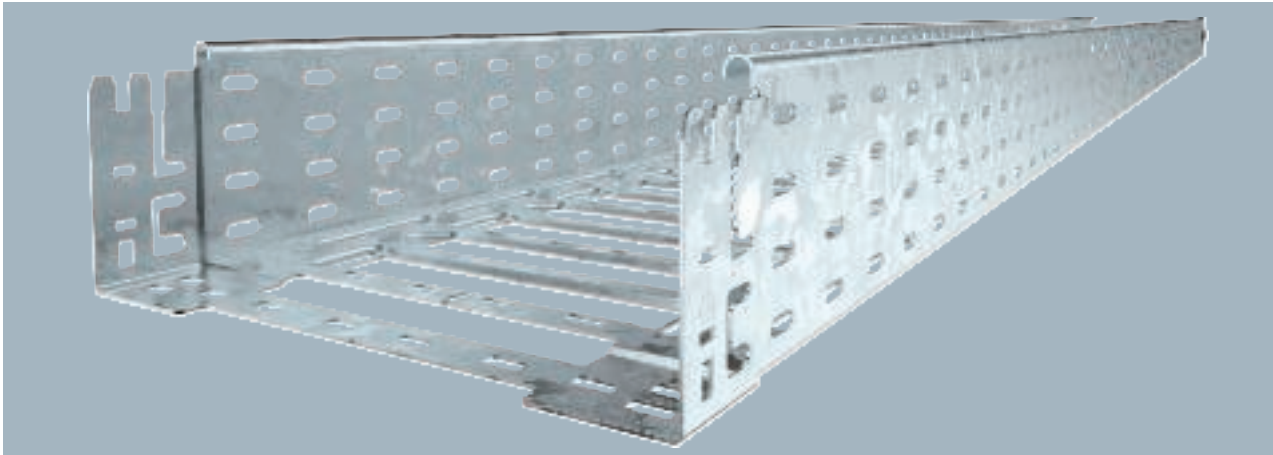
Load diagram, cable tray, type SKSM 110

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable tray SKS-Magic® 110

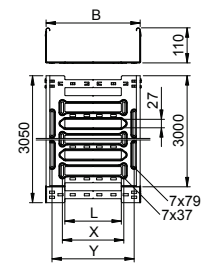
Cable trays



Cable tray with integrated quick fastening system. The usable length of the cable tray is 3,000 mm. The cable tray has continuous side perforations of 7 x 20 mm for the installation of additional connection and mounting components. From a cable tray width of 200 mm with 30% hole surface, suitable for use under sprinkler systems according to VdS guideline 2092.

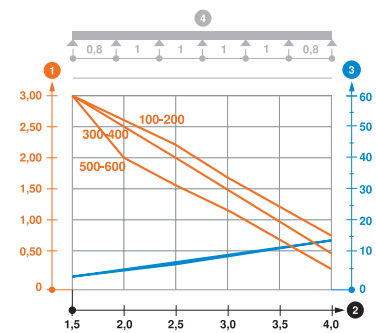
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSM 110 FT	100	1.50	3	374.426	6059631
SKSM 115 FT	150	1.50	3	431.803	6059633
SKSM 120 FT	200	1.50	3	460.983	6059635
SKSM 130 FT	300	1.50	3	520.327	6059637
SKSM 140 FT	400	1.50	3	580.000	6059639
SKSM 150 FT	500	1.50	3	639.344	6059641
SKSM 160 FT	600	1.50	3	711.508	6059643

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²	Dim. L mm	Dim. x mm	Dim. y mm	Dim- en- sion mm
SKSM 110 FT	3050	100	108	30	—	62	
SKSM 115 FT	3050	150	161	30	46	112	
SKSM 120 FT	3050	200	218	80	96	162	
SKSM 130 FT	3050	300	328	180	196	262	
SKSM 140 FT	3050	400	438	280	296	362	
SKSM 150 FT	3050	500	548	380	396	462	
SKSM 160 FT	3050	600	655	480	496	562	

Load



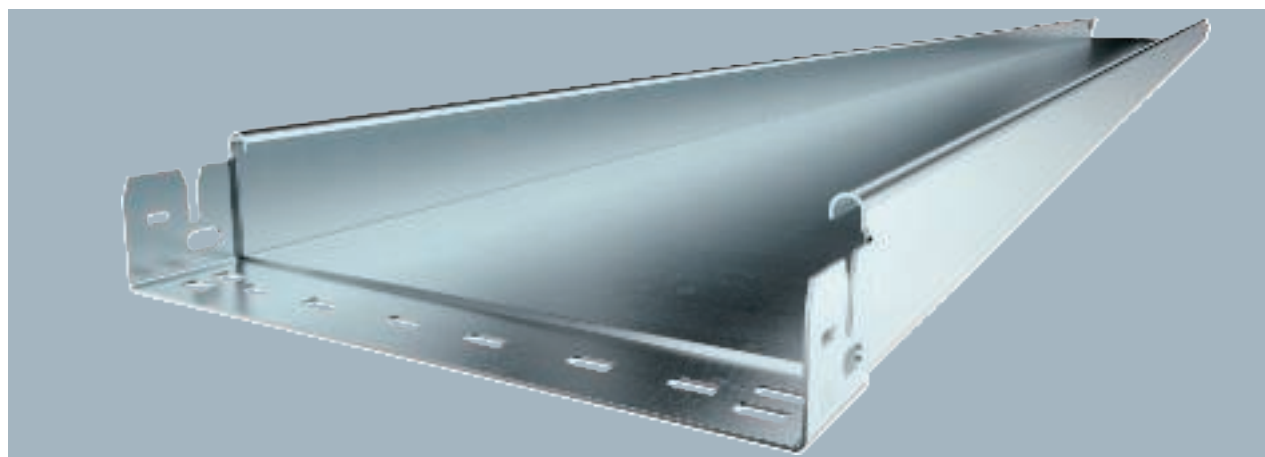
	1.5 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSM 110 FT	3	1.7	0.8
SKSM 115 FT	3	1.7	0.8
SKSM 120 FT	3	1.7	0.8
SKSM 130 FT	3	1.5	0.5
SKSM 140 FT	3	1.5	0.5
SKSM 150 FT	3	1.2	0.3
SKSM 160 FT	3	1.2	0.3

Load diagram, cable tray, type SKSM 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 60, unperforated

St FS

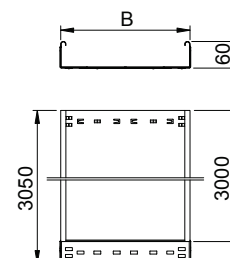


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 610 FS	100	1.50	3	287.245	6059688
SKSMU 615 FS	150	1.50	3	346.032	6059690
SKSMU 620 FS	200	1.50	3	404.786	6059692
SKSMU 630 FS	300	1.50	3	522.426	6059694
SKSMU 640 FS	400	1.50	3	640.065	6059696
SKSMU 650 FS	500	1.50	3	757.704	6059698
SKSMU 660 FS	600	1.50	3	875.377	6059700

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKSMU 610 FS	3050	100	58
SKSMU 615 FS	3050	150	88
SKSMU 620 FS	3050	200	118
SKSMU 630 FS	3050	300	178
SKSMU 640 FS	3050	400	238
SKSMU 650 FS	3050	500	298
SKSMU 660 FS	3050	600	358

Dimensions

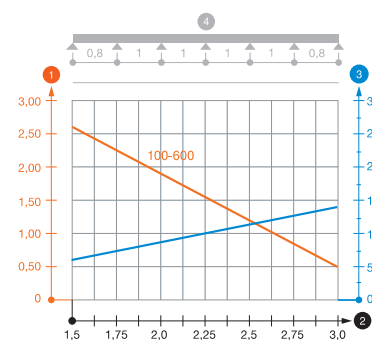


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSMU 610 FS	2.6	1.9	1.1	0.55
SKSMU 615 FS	2.6	1.9	1.1	0.55
SKSMU 620 FS	2.6	1.9	1.1	0.55
SKSMU 630 FS	2.6	1.9	1.1	0.55
SKSMU 640 FS	2.6	1.9	1.1	0.55
SKSMU 650 FS	2.6	1.9	1.1	0.55
SKSMU 660 FS	2.6	1.9	1.1	0.55

Load diagram, cable tray, type SKSMU 60

- 1 Permitted cable tray/ladder load in kN/m without man load
 - 2 Support width in m
 - 3 Rail bend in mm at permitted kN/m
 - 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
— Strut bend curve according to support width

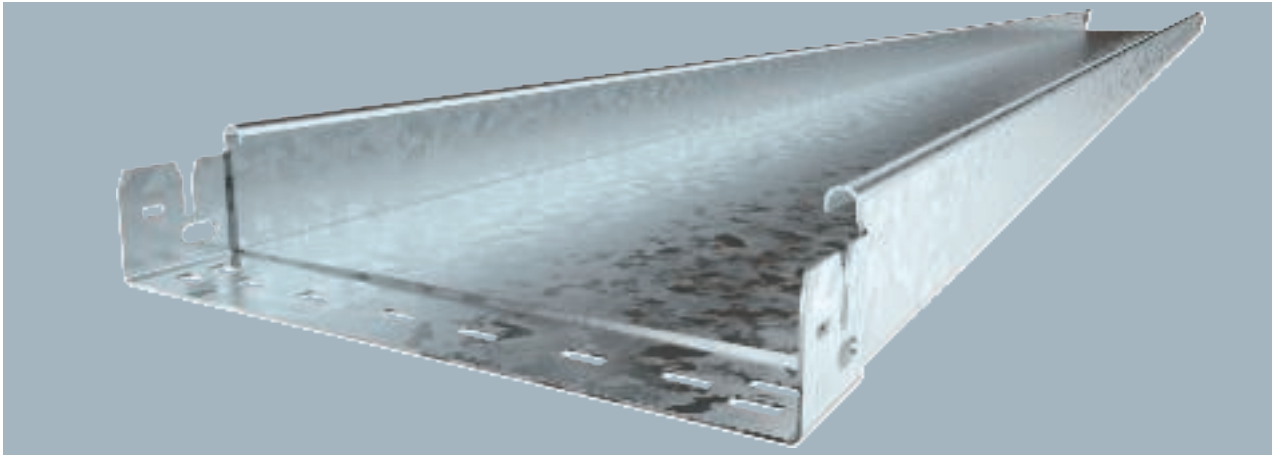
Load



St FT



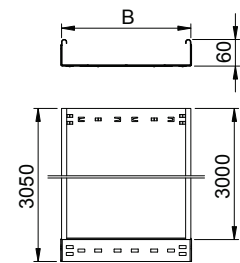
Cable tray SKS-Magic® 60, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

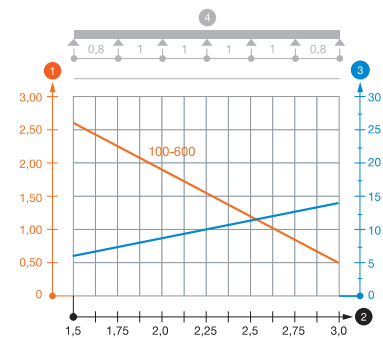
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 610 FT	100	1.50	3	306.262	6059705
SKSMU 615 FT	150	1.50	3	368.950	6059707
SKSMU 620 FT	200	1.50	3	431.573	6059709
SKSMU 630 FT	300	1.50	3	557.049	6059711
SKSMU 640 FT	400	1.50	3	682.491	6059713
SKSMU 650 FT	500	1.50	3	807.934	6059715
SKSMU 660 FT	600	1.50	3	933.377	6059717

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSMU 610 FT	3050	100	58
SKSMU 615 FT	3050	150	88
SKSMU 620 FT	3050	200	118
SKSMU 630 FT	3050	300	178
SKSMU 640 FT	3050	400	238
SKSMU 650 FT	3050	500	298
SKSMU 660 FT	3050	600	358

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSMU 610 FT	2.6	1.9	1.1	0.55
SKSMU 615 FT	2.6	1.9	1.1	0.55
SKSMU 620 FT	2.6	1.9	1.1	0.55
SKSMU 630 FT	2.6	1.9	1.1	0.55
SKSMU 640 FT	2.6	1.9	1.1	0.55
SKSMU 650 FT	2.6	1.9	1.1	0.55
SKSMU 660 FT	2.6	1.9	1.1	0.55

Load diagram, cable tray, type SKSMU 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



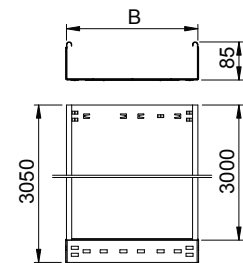
Cable tray SKS-Magic® 85, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

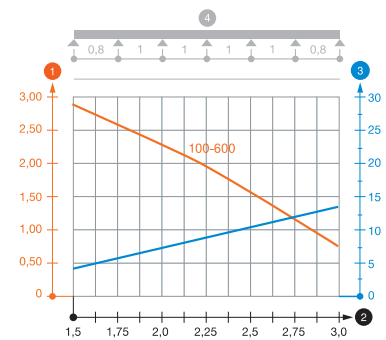
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 810 FS	100	1.50	3	345.803	6059762
SKSMU 820 FS	200	1.50	3	463.344	6059766
SKSMU 830 FS	300	1.50	3	581.016	6059768
SKSMU 840 FS	400	1.50	3	698.688	6059770
SKSMU 850 FS	500	1.50	3	816.262	6059772
SKSMU 860 FS	600	1.50	3	933.934	6059774

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSMU 810 FS	3050	100	83
SKSMU 820 FS	3050	200	186
SKSMU 830 FS	3050	300	253
SKSMU 840 FS	3050	400	338
SKSMU 850 FS	3050	500	423
SKSMU 860 FS	3050	600	508

Load



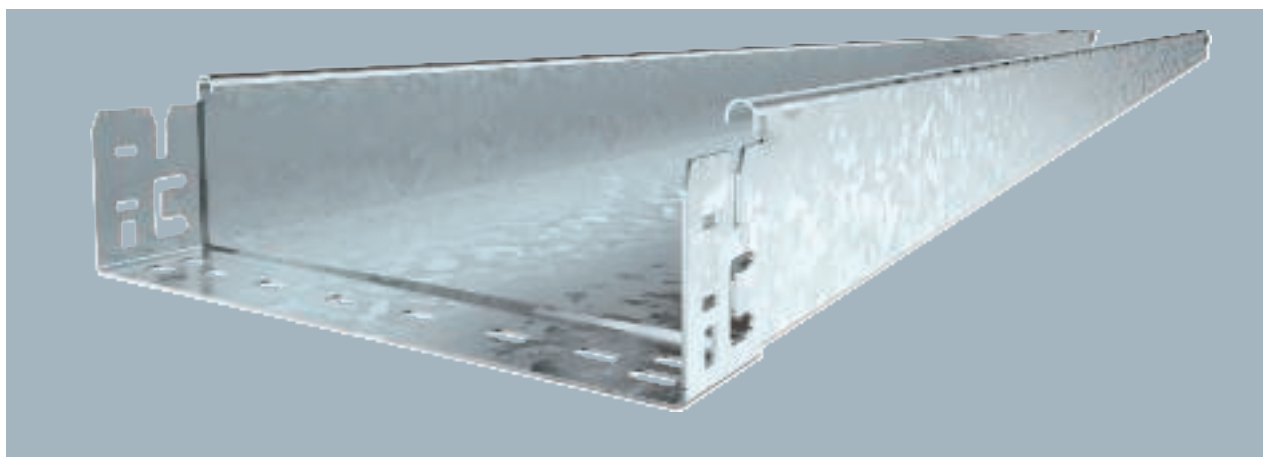
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSMU 810 FS	2.8	2.25	1.5	0.75
SKSMU 820 FS	2.8	2.25	1.5	0.75
SKSMU 830 FS	2.8	2.25	1.5	0.75
SKSMU 840 FS	2.8	2.25	1.5	0.75
SKSMU 850 FS	2.8	2.25	1.5	0.75
SKSMU 860 FS	2.8	2.25	1.5	0.75

Load diagram, cable tray, type SKSMU 85

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 85, unperforated

St FT

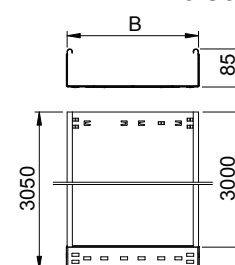


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 810 FT	100	1.50	3	368.819	6059779
SKSMU 820 FT	200	1.50	3	494.032	6059783
SKSMU 830 FT	300	1.50	3	619.508	6059785
SKSMU 840 FT	400	1.50	3	744.983	6059787
SKSMU 850 FT	500	1.50	3	848.721	6059789
SKSMU 860 FT	600	1.50	3	995.836	6059791

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSMU 810 FT	3050	100	83
SKSMU 820 FT	3050	200	186
SKSMU 830 FT	3050	300	253
SKSMU 840 FT	3050	400	338
SKSMU 850 FT	3050	500	423
SKSMU 860 FT	3050	600	508

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSMU 810 FT	2.8	2.25	1.5	0.75
SKSMU 820 FT	2.8	2.25	1.5	0.75
SKSMU 830 FT	2.8	2.25	1.5	0.75
SKSMU 840 FT	2.8	2.25	1.5	0.75
SKSMU 850 FT	2.8	2.25	1.5	0.75
SKSMU 860 FT	2.8	2.25	1.5	0.75

Load diagram, cable tray, type SKSMU 85

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

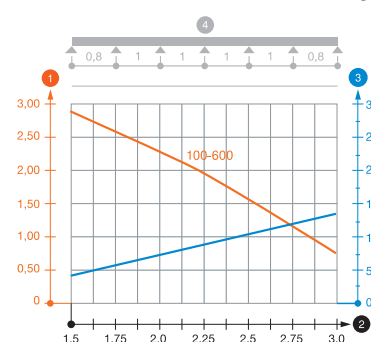
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

— Load curve with cable tray/ladder width in mm

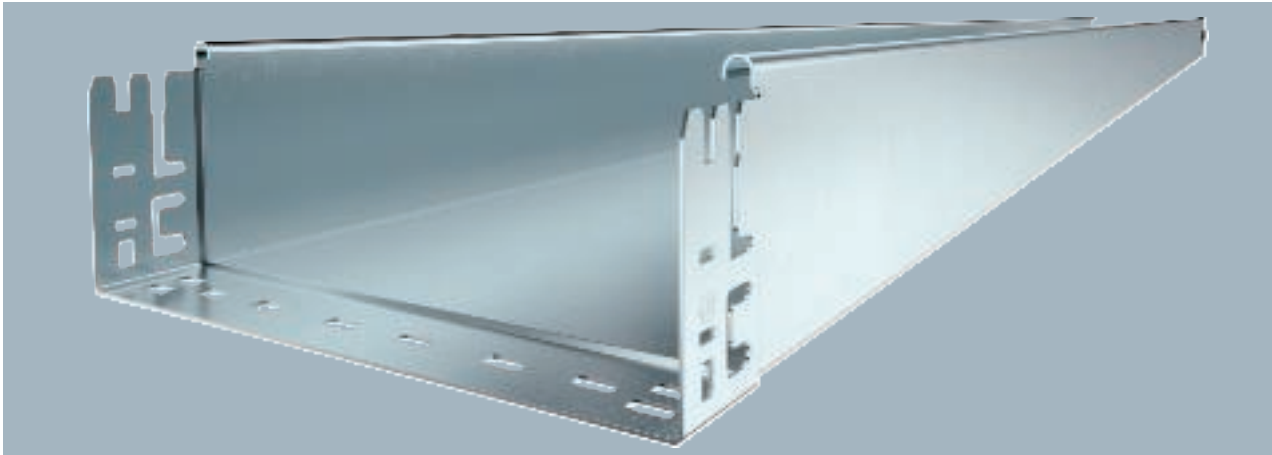
— Strut bend curve according to support width

Load





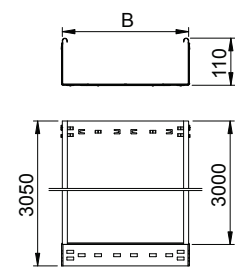
Cable tray SKS-Magic® 110, unperforated



Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

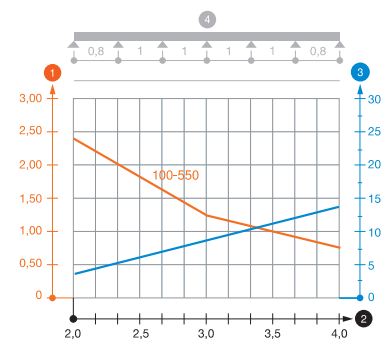
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 110 FS	100	1.50	3	404.262	6059836
SKSMU 115 FS	150	1.50	3	463.049	6059838
SKSMU 120 FS	200	1.50	3	521.803	6059840
SKSMU 130 FS	300	1.50	3	639.442	6059842
SKSMU 140 FS	400	1.50	3	757.114	6059844
SKSMU 150 FS	500	1.50	3	874.721	6059846
SKSMU 160 FS	600	1.50	3	992.360	6059848

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSMU 110 FS	3050	100	108
SKSMU 115 FS	3050	150	161
SKSMU 120 FS	3050	200	218
SKSMU 130 FS	3050	300	328
SKSMU 140 FS	3050	400	438
SKSMU 150 FS	3050	500	548
SKSMU 160 FS	3050	600	655

Load



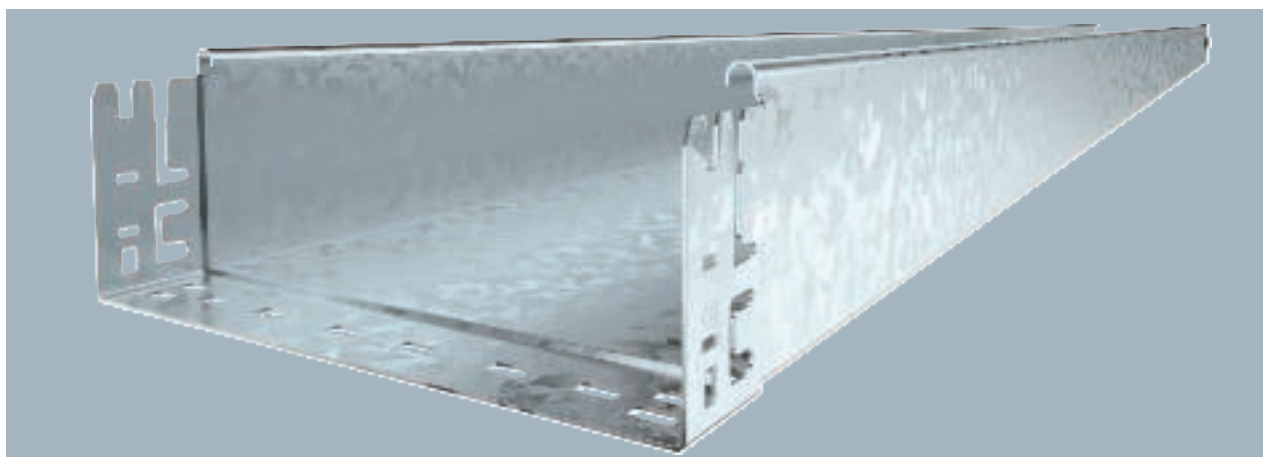
	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSMU 110 FS	3	2.4	1.2	0.8
SKSMU 115 FS	3	2.4	1.2	0.8
SKSMU 120 FS	3	2.4	1.2	0.8
SKSMU 130 FS	3	2.4	1.2	0.8
SKSMU 140 FS	3	2.4	1.2	0.8
SKSMU 150 FS	3	2.4	1.2	0.8
SKSMU 160 FS	3	2.4	1.2	0.8

Load diagram, cable tray, type SKSMU 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS-Magic® 110, unperforated

St FT

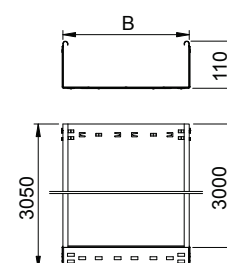


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSMU 110 FT	100	1.50	3	431.049	6059853
SKSMU 115 FT	150	1.50	3	493.737	6059855
SKSMU 120 FT	200	1.50	3	556.360	6059857
SKSMU 130 FT	300	1.50	3	681.836	6059859
SKSMU 140 FT	400	1.50	3	807.311	6059861
SKSMU 150 FT	500	1.50	3	932.688	6059863
SKSMU 160 FT	600	1.50	3	1,058.163	6059865

Unperforated cable tray with integrated quick fastening system.
The usable length of the cable tray is 3,000 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKSMU 110 FT	3050	100	108
SKSMU 115 FT	3050	150	161
SKSMU 120 FT	3050	200	218
SKSMU 130 FT	3050	300	328
SKSMU 140 FT	3050	400	438
SKSMU 150 FT	3050	500	548
SKSMU 160 FT	3050	600	655

Dimensions

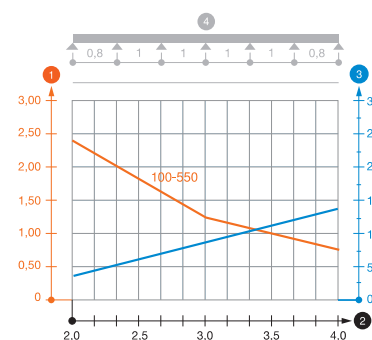


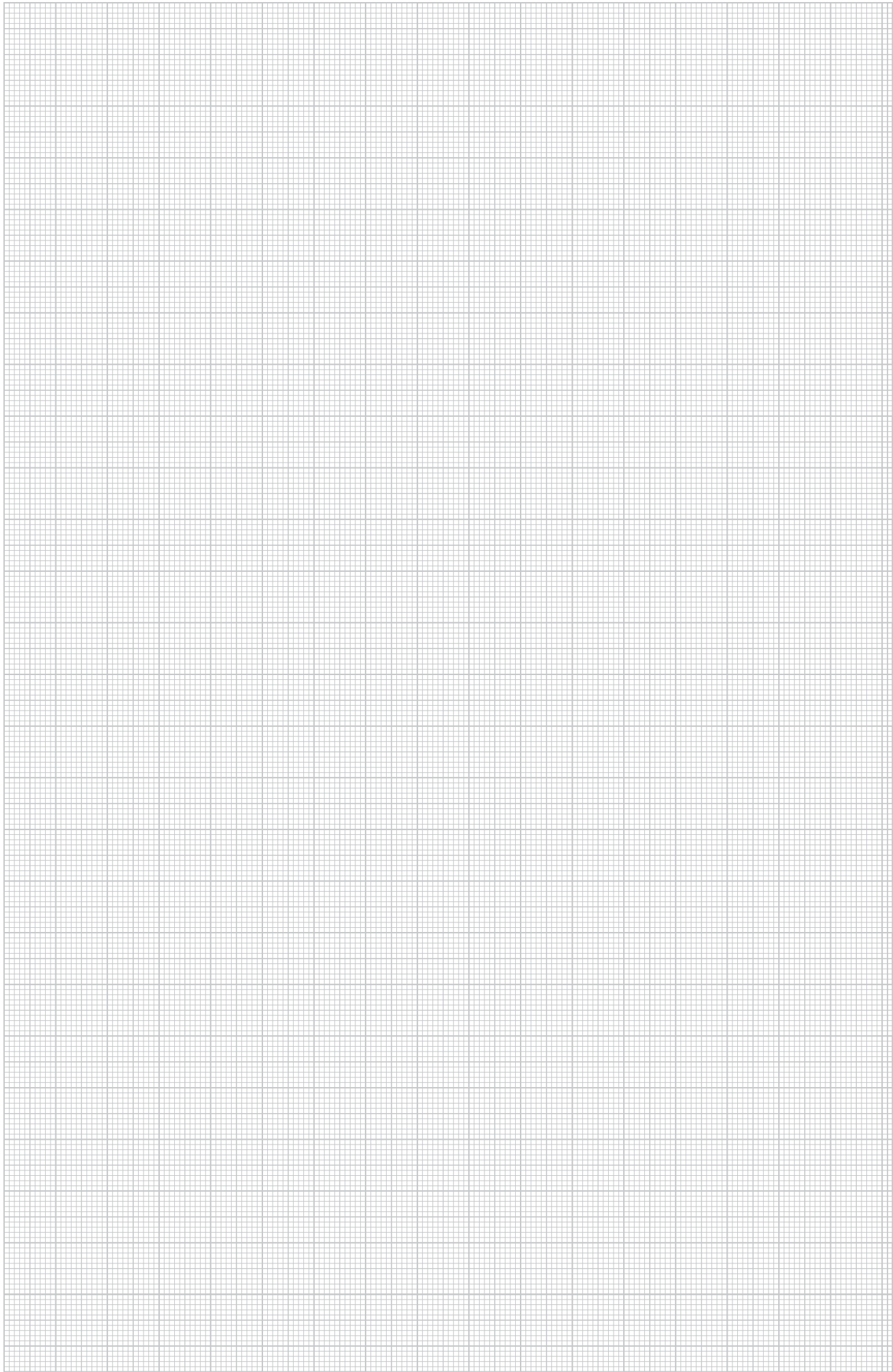
		1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSMU 110 FT	3	2.4	1.2	0.8	
SKSMU 115 FT	3	2.4	1.2	0.8	
SKSMU 120 FT	3	2.4	1.2	0.8	
SKSMU 130 FT	3	2.4	1.2	0.8	
SKSMU 140 FT	3	2.4	1.2	0.8	
SKSMU 150 FT	3	2.4	1.2	0.8	
SKSMU 160 FT	3	2.4	1.2	0.8	

Load diagram, cable tray, type SKSMU 110

- ① Permitted cable tray/ladder load in kN/m without man load
 - ② Support width in m
 - ③ Rail bend in mm at permitted kN/m
 - ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

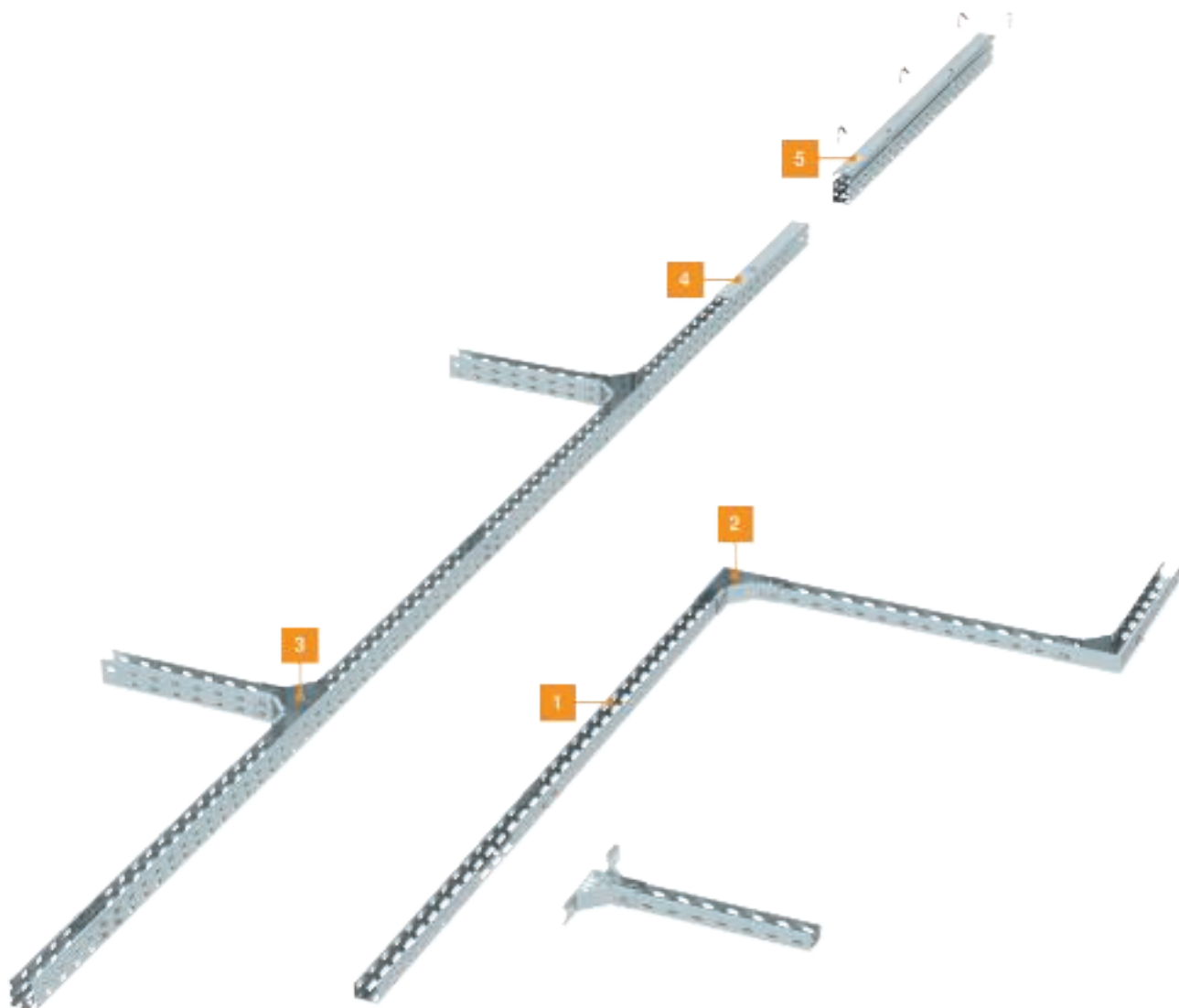
Load





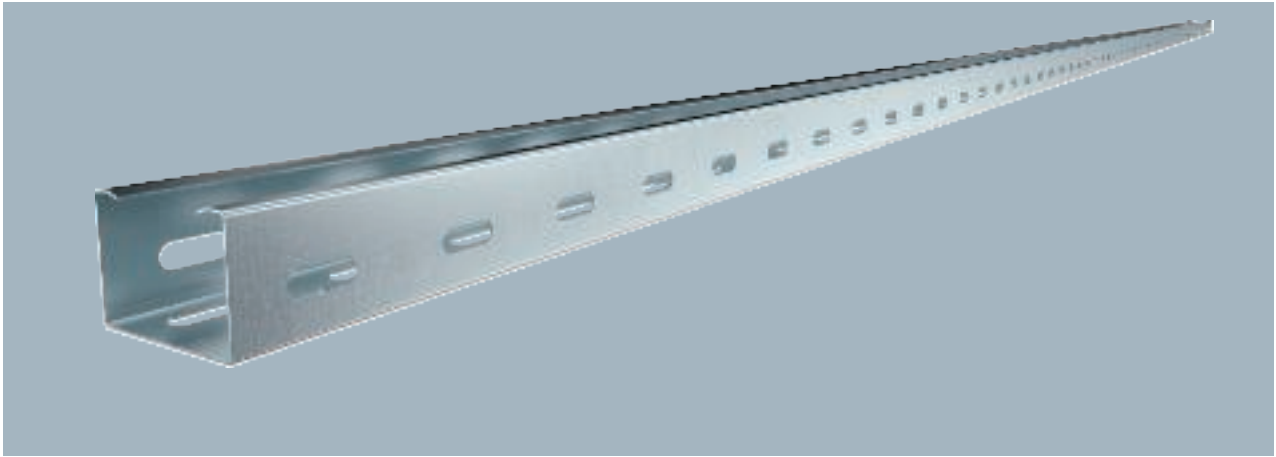
RKS cable tray system

Installation principle



1	RKS cable tray	RKS
2	90° bend	RB 90
3	T branch piece	RT
4	Cover with turn buckle	DRL
5	Unperforated cover with cover clamp	DRLU

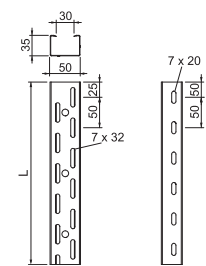
Cable tray RKS 35



RKS 35 = Rational cable tray system with 35 mm side height.
Cable tray with continuous bottom and side perforation as well as central holes (Ø11 mm) in the base for additional fastenings.

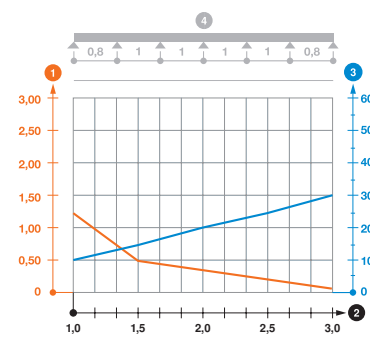
Type	Side height mm	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKS 305 FS	35	50	0.75	3	69.667	6047410

Dimensions



Type	Dim. L mm	Usable cross- section cm ²
RKS 305 FS	3000	16

Load



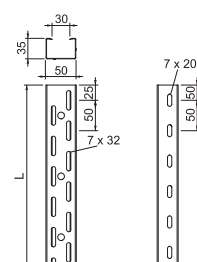
RKS 305 FS	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
RKS 305 FS	1.2	0.5	0.3	0.1	0.05

Load diagram, cable tray, type RKS 35

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

RKS 35 = Rational cable tray system with 35 mm side height.
Cable tray with continuous bottom and side perforation as well as central holes (Ø11 mm) in the base for additional fastenings.

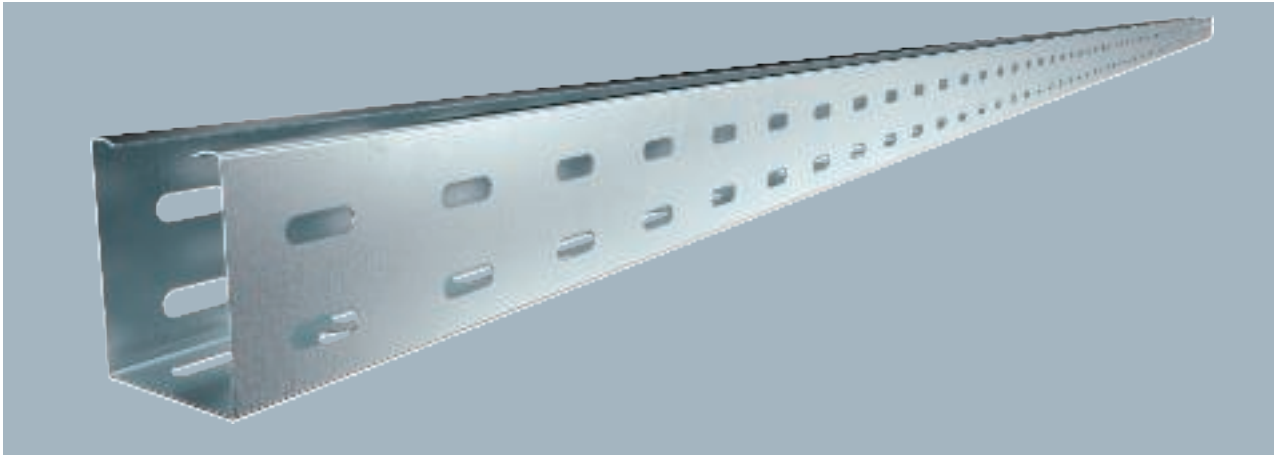
Dimensions



Load

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

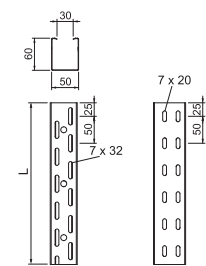
Cable tray RKS 60



RKS 60 = Rational cable tray system with 60 mm side height (unbeaded base plate).
Cable tray with continuous bottom and side perforation as well as central holes (Ø11 mm) in the base for additional fastenings.

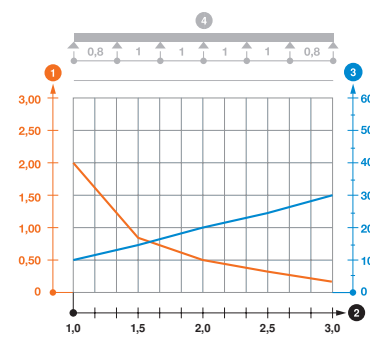
Type	Side height mm	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKS 605 FS	60	50	0.75	3	96.000	6047600

Dimensions



Type	Dim. L mm	Usable cross- section cm²
RKS 605 FS	3000	30

Load

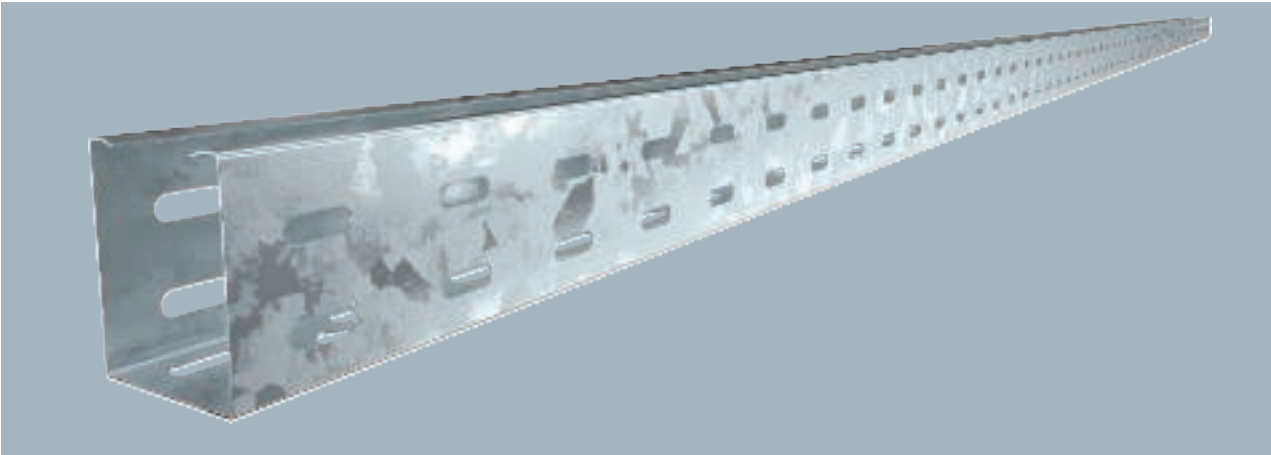


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
RKS 605 FS	2	0.8	0.5	0.35	0.15

Load diagram, cable tray, type RKS 60, unbeaded

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray RKS 60

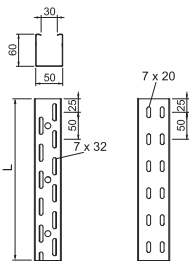


Type	Side height mm	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKS 605 FT	60	50	0.75	3	108.000	6047602

RKS 60 = Rational cable tray system with 60 mm side height (unbeaded base plate).
Cable tray with continuous bottom and side perforation as well as central holes (Ø11 mm) in the base for additional fastenings.

Type	Dim. L mm	Usable cross- section cm ²
RKS 605 FT	3000	30

Dimensions

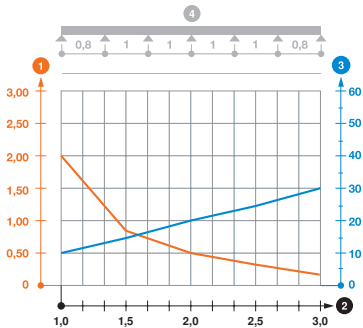


	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
RKS 605 FT	2	0.8	0.5	0.35	0.15

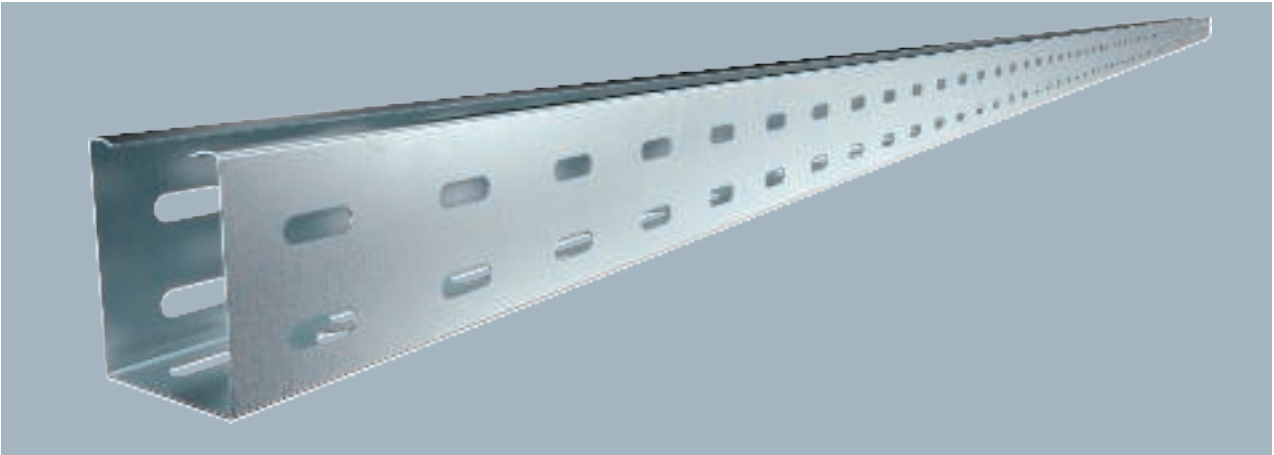
Load diagram, cable tray, type RKS 60, unbeaded

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



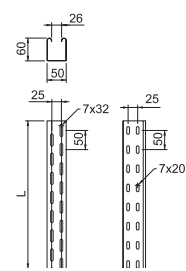
Cable tray RKS 60



RKS 60 = Rational cable tray system with 60 mm side height (unbeaded base plate).
Including RV 60 longitudinal connector set.
The cable tray is fixed to the bracket with bolts, type FRS M6 x 12.

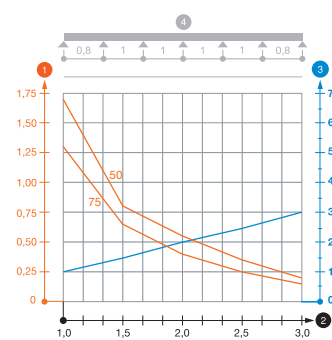
Type	Side height mm	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
RKS 607 FS	60	75	0.75	3	118.940	6055893

Dimensions



Type	Dim. L mm	Usable cross- section cm²
RKS 607 FS	3000	42

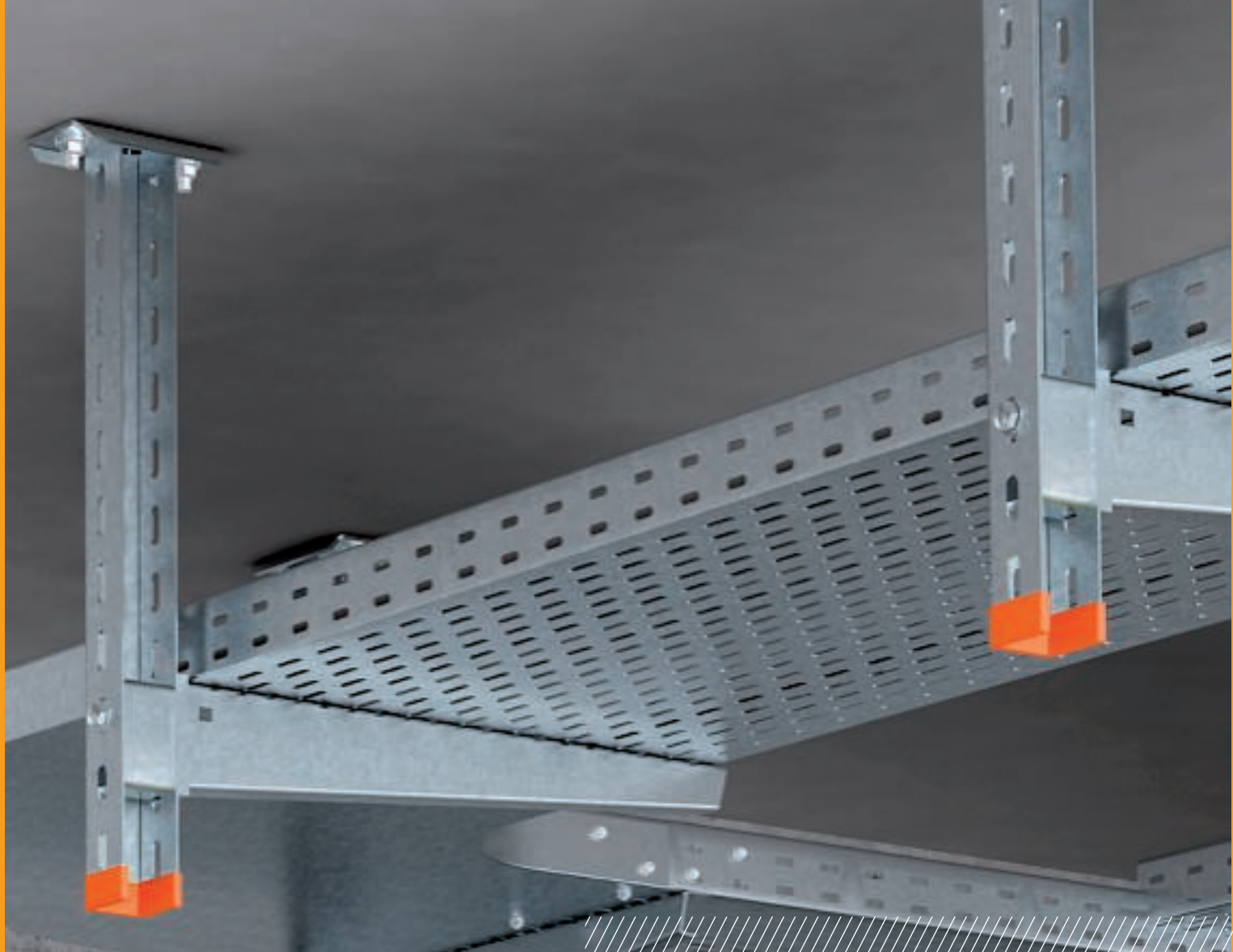
Load



	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
RKS 607 FS	1.3	0.65	0.4	0.25	0.15

Load diagram, cable tray, type RKS 60, unbeaded

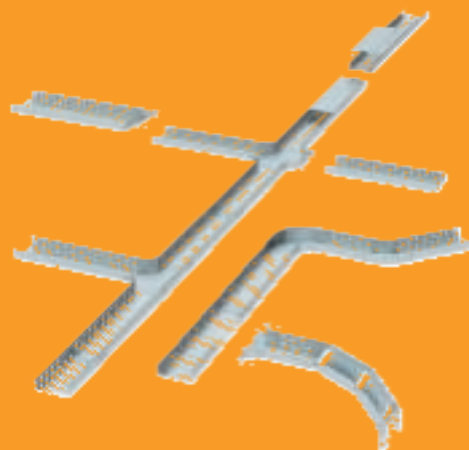
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable tray system MKS

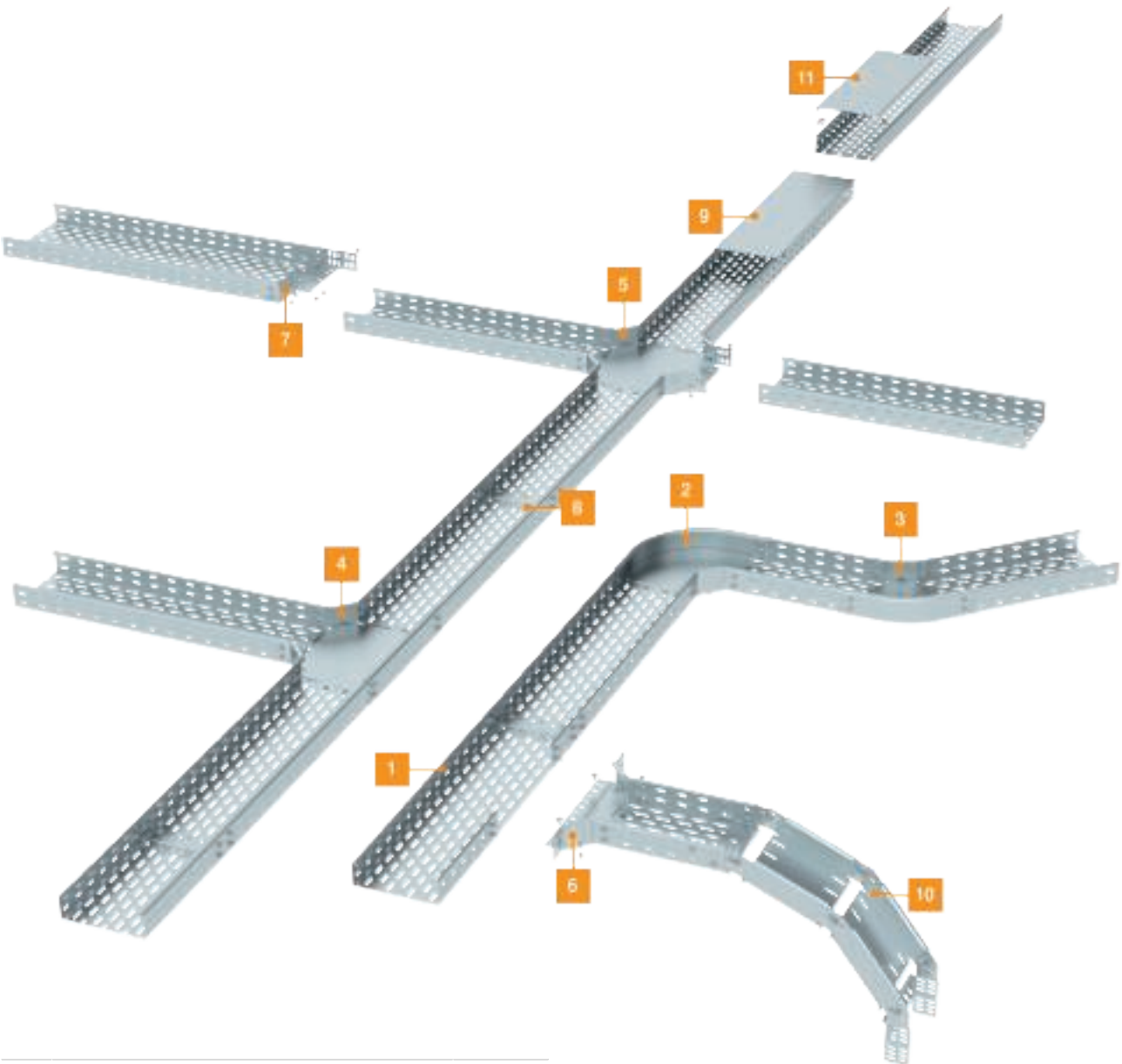
The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range, with suitable system components, can create perfect solutions for any task. No matter whether used in dry inner areas or in aggressive atmospheres: Different surface versions and materials ensure safe corrosion protection.

- Medium-duty cable tray system with side heights of 35, 60 and 85 mm
- Various fittings, functional connectors and additional accessories



Cable tray system MKS

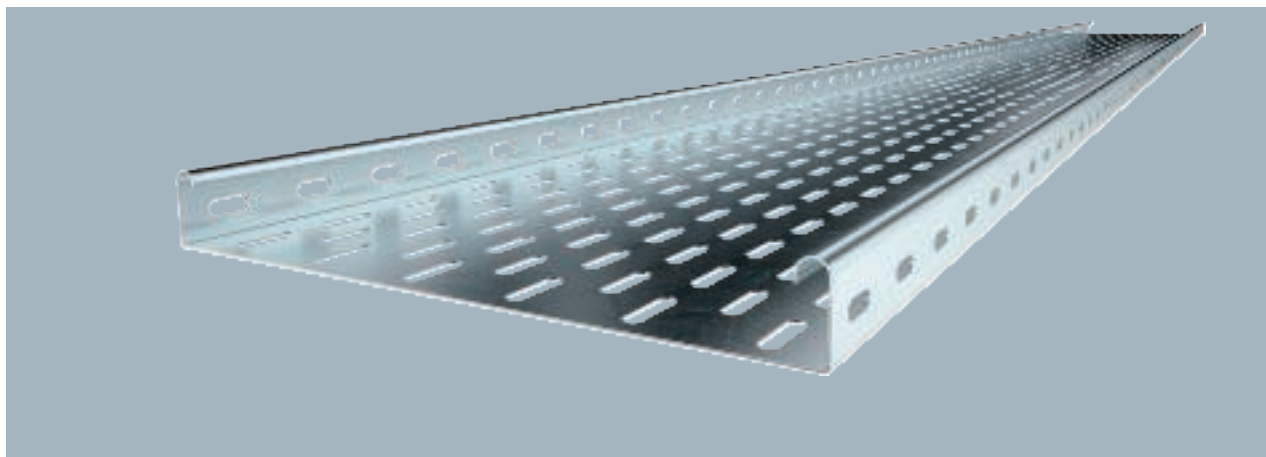
Installation principle



1	Cable tray MKS	MKS
2	90° bend	RB 90
3	45° bend	RB 45
4	T branch piece	RT
5	Cross-over	RK
6	Add-on tee	RAA
7	Reducer/stop-end	RWEB
8	Straight connectors and joint plate	TSG
9	Cover with turn buckle	DRL
10	Adjustable bend element	RGBV
11	Unperforated cover with cover clamp	DRLU

Cable tray MKS 35

St FS



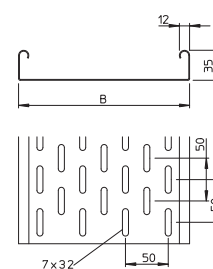
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 310 FS	100	1.00	3	144.134	6053548
MKS 315 FS	150	1.00	3	177.067	6053572
MKS 320 FS	200	1.00	3	210.034	6053599
MKS 330 FS	300	1.00	3	276.000	6053637

MKS 35 = Medium duty cable tray system with a side height of 35 mm.

FS version includes RV 35 straight connector set.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 310 FS	3000	100	33
MKS 315 FS	3000	150	50.5
MKS 320 FS	3000	200	68
MKS 330 FS	3000	300	103

Dimensions

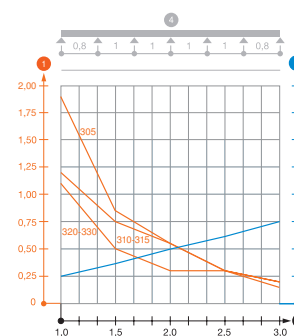


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKS 310 FS	1.2	0.75	0.55	0.3	0.2
MKS 315 FS	1.2	0.75	0.55	0.3	0.2
MKS 320 FS	1.1	0.5	0.3	0.3	0.2
MKS 330 FS	1.1	0.5	0.3	0.3	0.2

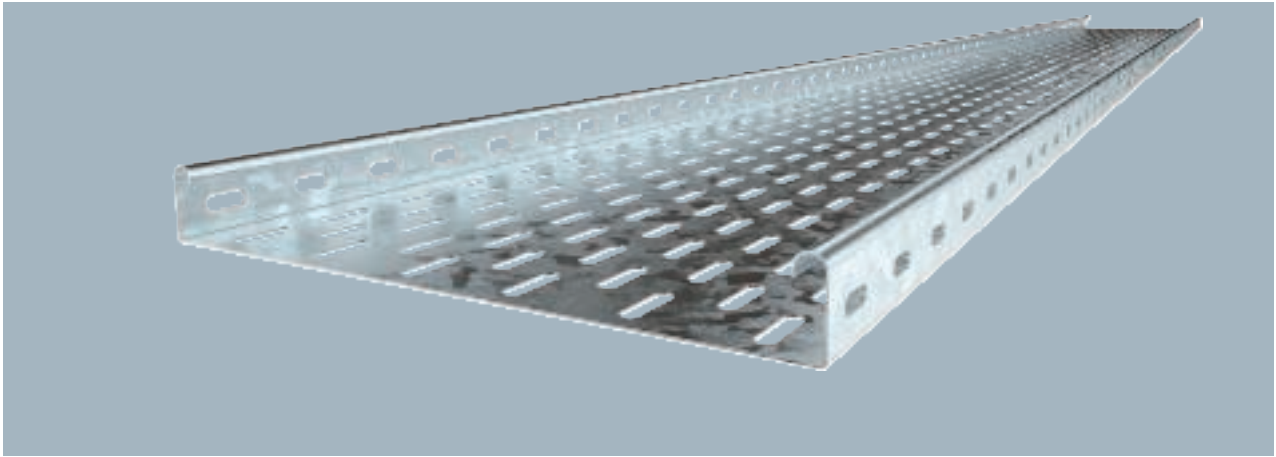
Load diagram, cable tray, type MKS 35

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



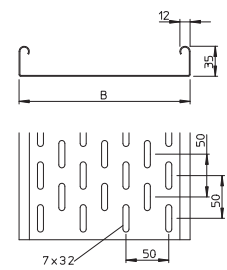
Cable tray MKS 35



MKS 35 = Medium duty cable tray system with a side height of 35 mm.

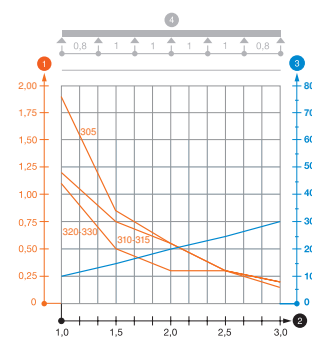
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 310 FT	100	1.00	3	153.000	6053106
MKS 315 FT	150	1.00	3	188.734	6053165
MKS 320 FT	200	1.00	3	225.834	6053203
MKS 330 FT	300	1.00	3	295.000	6053300

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
MKS 310 FT	3000	100	33
MKS 315 FT	3000	150	50.5
MKS 320 FT	3000	200	68
MKS 330 FT	3000	300	103

Load



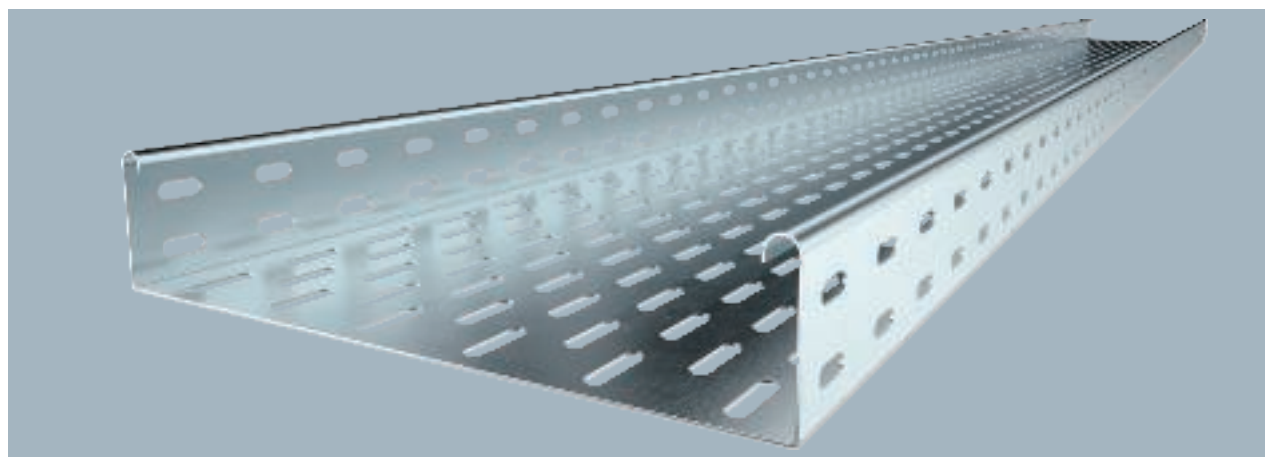
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKS 310 FT	1.2	0.75	0.55	0.3	0.2
MKS 315 FT	1.2	0.75	0.55	0.3	0.2
MKS 320 FT	1.1	0.5	0.3	0.3	0.2
MKS 330 FT	1.1	0.5	0.3	0.3	0.2

Load diagram, cable tray, type MKS 35

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS 60

St FS



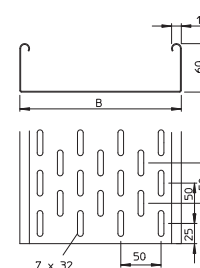
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 610 FS	100	1.00	3	173.000	6055109
MKS 615 FS	150	1.00	3	214.000	6055141
MKS 620 FS	200	1.00	3	246.700	6055206
MKS 630 FS	300	1.00	3	312.667	6055303
MKS 640 FS	400	1.00	3	380.000	6055400
MKS 650 FS	500	1.00	3	447.334	6055508
MKS 660 FS	600	1.00	3	513.334	6055524

Tested for installation above suspended fire protection ceilings (tray widths 100-400 mm, fire load 30 minutes, mounting work and parameters according to fire protection reports)

MKS 60 = medium-duty cable tray system with a side height of 60 mm. FS version includes RV 60 straight connector set.

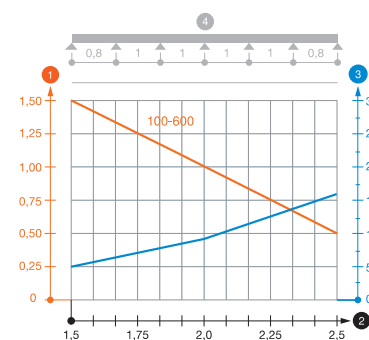
Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 610 FS	3000	100	58
MKS 615 FS	3000	150	88
MKS 620 FS	3000	200	118
MKS 630 FS	3000	300	178
MKS 640 FS	3000	400	238
MKS 650 FS	3000	500	298
MKS 660 FS	3000	600	358

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKS 610 FS	1.5	1	0.5
MKS 615 FS	1.5	1	0.5
MKS 620 FS	1.5	1	0.5
MKS 630 FS	1.5	1	0.5
MKS 640 FS	1.5	1	0.5
MKS 650 FS	1.5	1	0.5
MKS 660 FS	1.5	1	0.5

Load



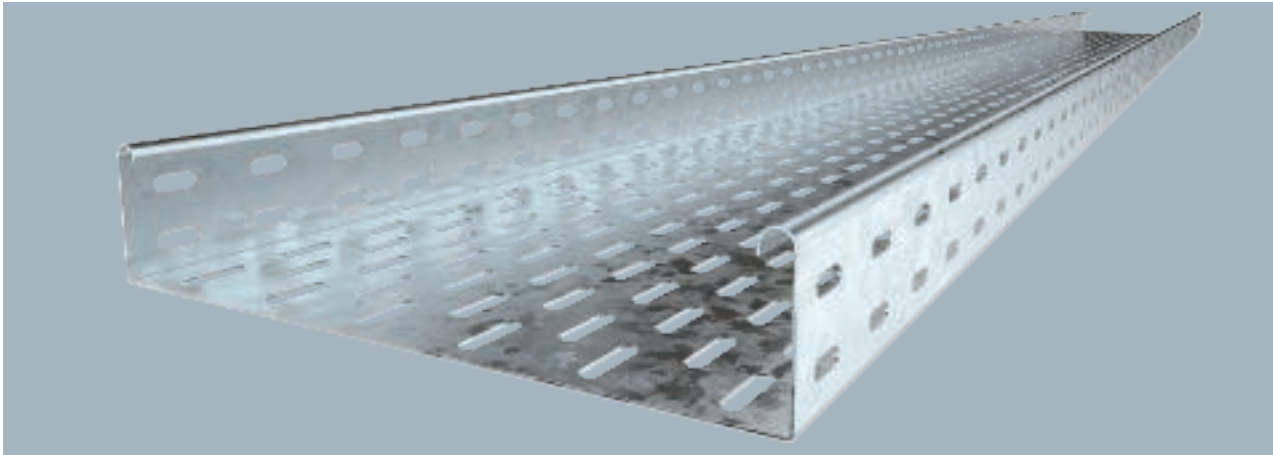
Load diagram, cable tray, type MKS 60

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable tray MKS 60

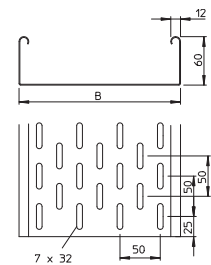
Cable trays



MKS 60 = Medium-duty cable tray system with a side height of 60 mm.

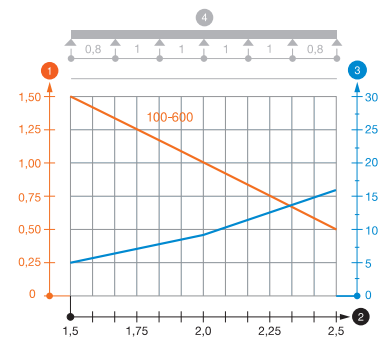
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 610 FT	100	1.00	3	190.100	6055532
MKS 615 FT	150	1.00	3	225.667	6055559
MKS 620 FT	200	1.00	3	263.234	6055575
MKS 630 FT	300	1.00	3	332.334	6055613
MKS 640 FT	400	1.00	3	403.334	6055664
MKS 650 FT	500	1.00	3	474.667	6055699
MKS 660 FT	600	1.00	3	545.670	6055710

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 610 FT	3000	100	58
MKS 615 FT	3000	150	88
MKS 620 FT	3000	200	118
MKS 630 FT	3000	300	178
MKS 640 FT	3000	400	238
MKS 650 FT	3000	500	298
MKS 660 FT	3000	600	358

Load

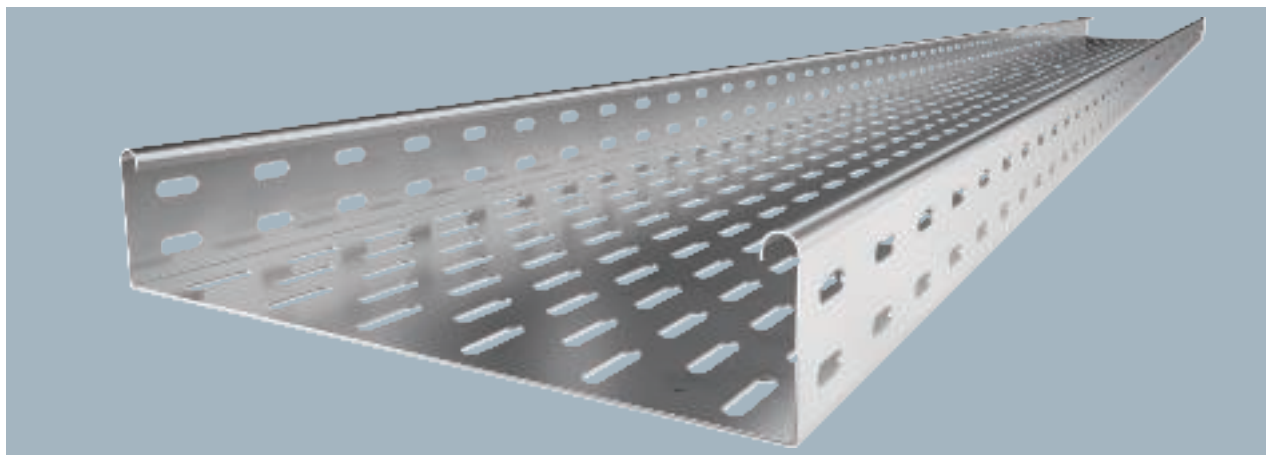


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKS 610 FT	1.5	1	0.5
MKS 615 FT	1.5	1	0.5
MKS 620 FT	1.5	1	0.5
MKS 630 FT	1.5	1	0.5
MKS 640 FT	1.5	1	0.5
MKS 650 FT	1.5	1	0.5
MKS 660 FT	1.5	1	0.5

Load diagram, cable tray, type MKS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS 60

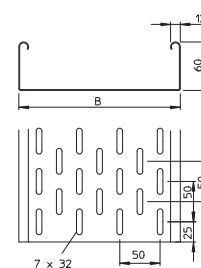


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 610 A2	100	1.00	3	174.200	6056016
MKS 620 A2	200	1.00	3	239.400	6056024
MKS 630 A2	300	1.00	3	304.667	6056040
MKS 640 A2	400	1.00	3	370.000	6056059
MKS 650 A2	500	1.00	3	435.000	6056075
MKS 660 A2	600	1.00	3	500.233	6056083

Connecting parts should be ordered in the appropriate quantity.
MKS 60 = Medium-duty cable tray system with a side height of 60 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 610 A2	3000	100	58
MKS 620 A2	3000	200	118
MKS 630 A2	3000	300	178
MKS 640 A2	3000	400	238
MKS 650 A2	3000	500	298
MKS 660 A2	3000	600	358

Dimensions

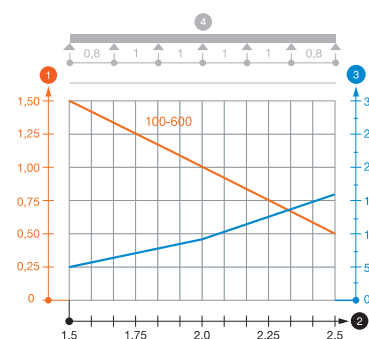


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKS 610 A2	1.5	1	0.5
MKS 620 A2	1.5	1	0.5
MKS 630 A2	1.5	1	0.5
MKS 640 A2	1.5	1	0.5
MKS 650 A2	1.5	1	0.5
MKS 660 A2	1.5	1	0.5

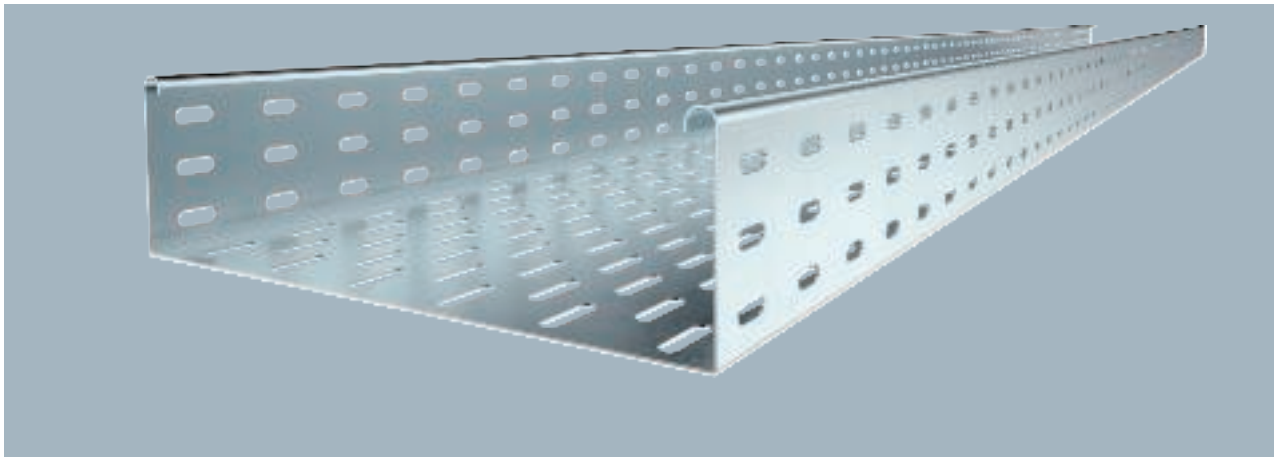
Load diagram, cable tray MKS 60 VA

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



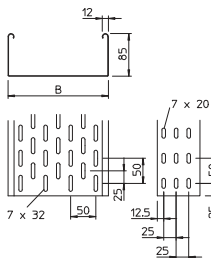
Cable tray MKS 85



Including connector, type RLVL 85.
MKS 85 = medium-duty cable tray system with a side height of 85 mm.

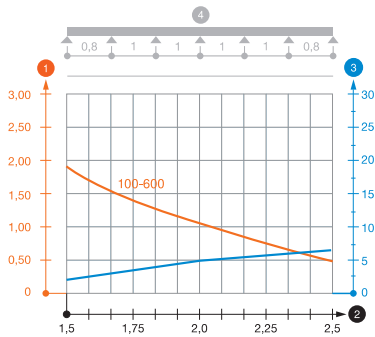
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 810 FS	100	1.00	3	207.670	6057101
MKS 820 FS	200	1.00	3	292.334	6057209
MKS 830 FS	300	1.00	3	357.667	6057306
MKS 840 FS	400	1.00	3	423.000	6057403
MKS 850 FS	500	1.00	3	488.000	6057500
MKS 860 FS	600	1.00	3	553.000	6057535

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 810 FS	3000	100	83
MKS 820 FS	3000	200	186
MKS 830 FS	3000	300	253
MKS 840 FS	3000	400	338
MKS 850 FS	3000	500	423
MKS 860 FS	3000	600	508

Load

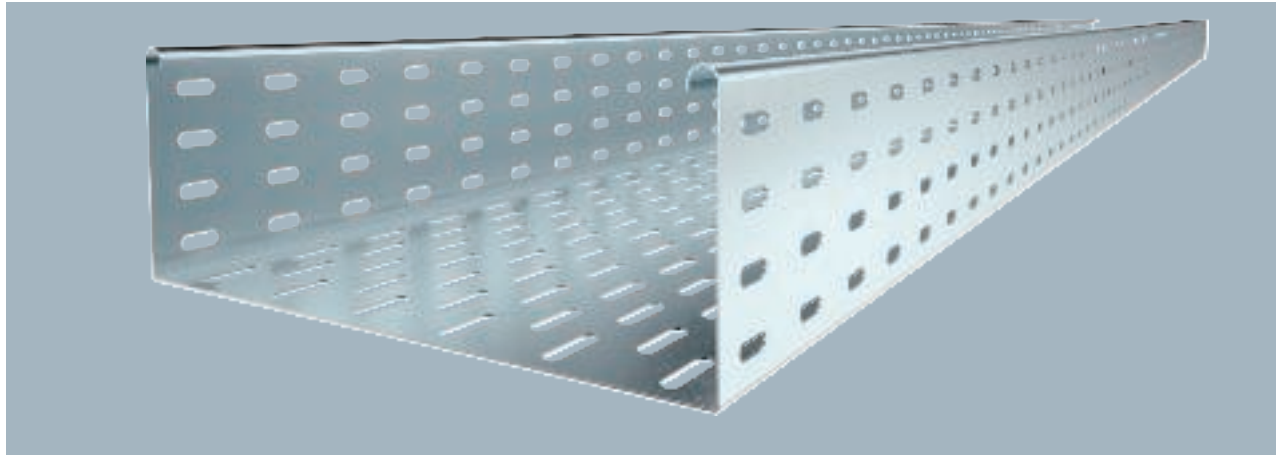


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
MKS 810 FS	1.75	1.1	0.5
MKS 820 FS	1.75	1.1	0.5
MKS 830 FS	1.75	1.1	0.5
MKS 840 FS	1.75	1.1	0.5
MKS 850 FS	1.75	1.1	0.5
MKS 860 FS	1.75	1.1	0.5

Load diagram, cable tray, type MKS 85

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- * From width 300 mm, tested with joint plate SSLB

Cable tray MKS 110



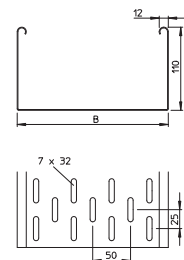
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 110 FS	100	1.00	3	267.700	6060102
MKS 120 FS	200	1.00	3	308.500	6060196
MKS 130 FS	300	1.00	3	373.900	6060307
MKS 140 FS	400	1.00	3	463.000	6060404
MKS 150 FS	500	1.00	3	528.333	6060412
MKS 155 FS	550	1.00	3	536.700	6060528

Including connector, type RLVL 110.

MKS 110 = medium-duty cable tray system with a side height of 110 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
MKS 110 FS	3000	100	108
MKS 120 FS	3000	200	218
MKS 130 FS	3000	300	328
MKS 140 FS	3000	400	438
MKS 150 FS	3000	500	548
MKS 155 FS	3000	550	603

Dimensions

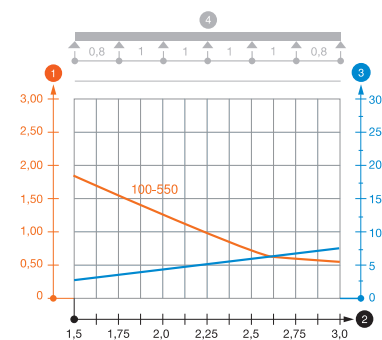


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKS 110 FS	1.85	1.3	0.75	0.6
MKS 120 FS	1.85	1.3	0.75	0.6
MKS 130 FS	1.85	1.3	0.75	0.6
MKS 140 FS	1.85	1.3	0.75	0.6
MKS 150 FS	1.85	1.3	0.75	0.6
MKS 155 FS	1.85	1.3	0.75	0.6

Load diagram, cable tray, type MKS 110

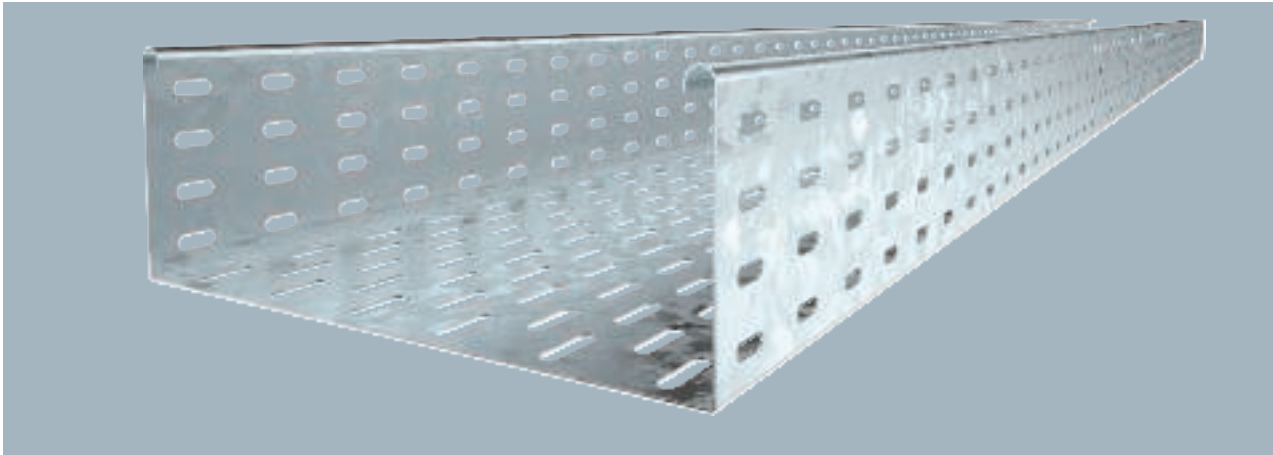
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





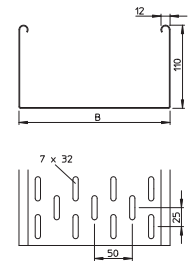
Cable tray MKS 110



The cable tray is fastened to the bracket with screws, type FRS M6 x 12.
MKS 110 = medium-duty cable tray system with a side height of 110 mm.

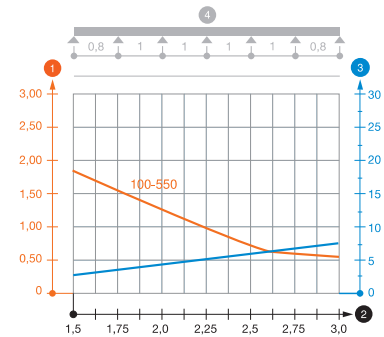
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 110 FT	100	1.00	3	268.900	6060609
MKS 120 FT	200	1.00	3	340.600	6060625
MKS 130 FT	300	1.00	3	407.000	6060641
MKS 140 FT	400	1.00	3	484.000	6060676
MKS 150 FT	500	1.00	3	555.667	6060692
MKS 160 FT	600	1.00	3	627.367	6060710

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
MKS 110 FT	3000	100	110
MKS 120 FT	3000	200	220
MKS 130 FT	3000	300	330
MKS 140 FT	3000	400	440
MKS 150 FT	3000	500	548
MKS 160 FT	3000	600	655

Load



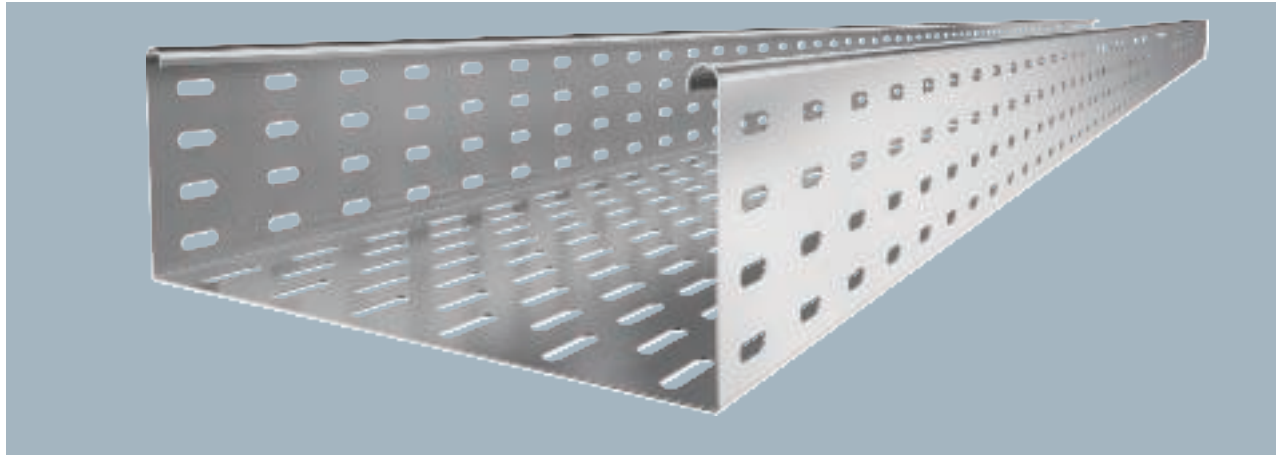
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKS 110 FT	1.85	1.3	0.75	0.6
MKS 120 FT	1.85	1.3	0.75	0.6
MKS 130 FT	1.85	1.3	0.75	0.6
MKS 140 FT	1.85	1.3	0.75	0.6
MKS 150 FT	1.85	1.3	0.75	0.6
MKS 160 FT	1.85	1.3	0.75	0.6

Load diagram, cable tray, type MKS 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray MKS 110

VA 2B

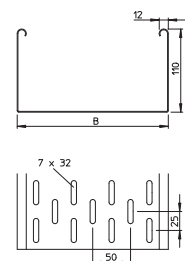


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKS 110 A2	100	1.00	3	243.000	6060803
MKS 120 A2	200	1.00	3	309.667	6060811
MKS 130 A2	300	1.00	3	375.000	6060838
MKS 140 A2	400	1.00	3	440.333	6060846

The cable tray is fastened to the bracket with screws, type FRS M6 x 12.
MKS 110 = medium-duty cable tray system with a side height of 110 mm.

Type	Length mm	Dim. B mm	Usable cross- section cm²
MKS 110 A2	3000	100	110
MKS 120 A2	3000	200	220
MKS 130 A2	3000	300	330
MKS 140 A2	3000	400	440

Dimensions

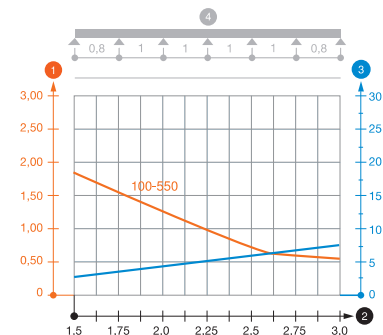


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
MKS 110 A2	1.85	1.3	0.75	0.6
MKS 120 A2	1.85	1.3	0.75	0.6
MKS 130 A2	1.85	1.3	0.75	0.6
MKS 140 A2	1.85	1.3	0.75	0.6

Load

Load diagram, cable tray, type MKS 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

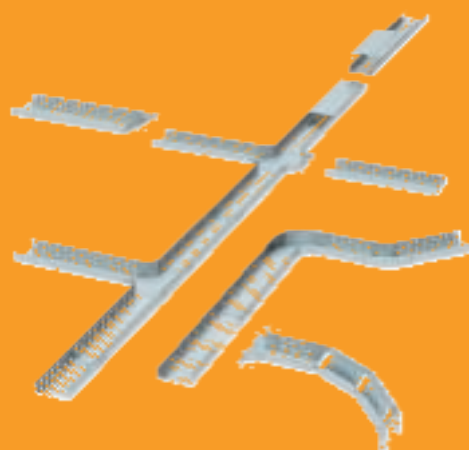




Cable tray system SKS

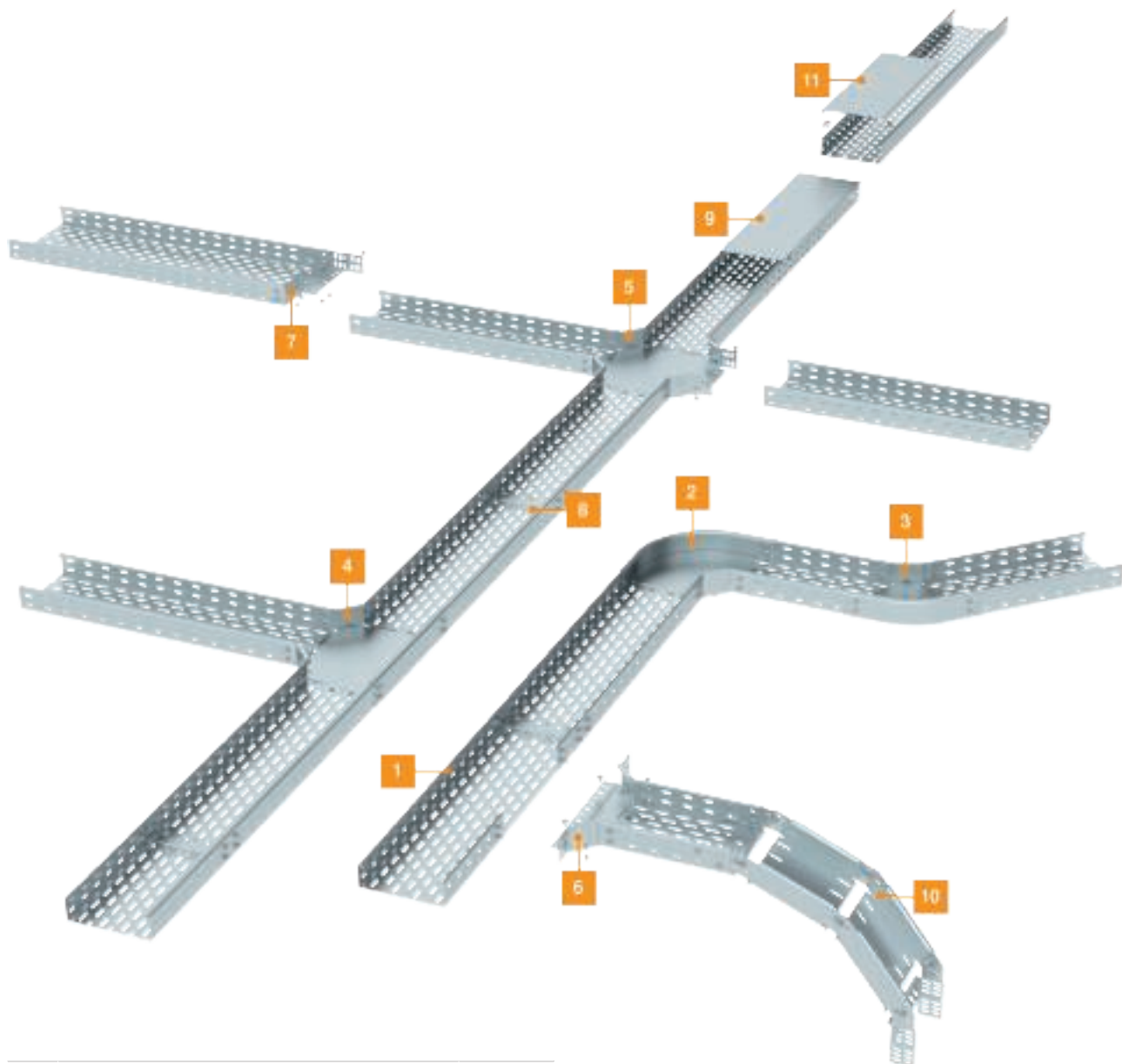
The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range, with suitable system components, can create perfect solutions for any task. No matter whether used in dry inner areas or in aggressive atmospheres: Different surface versions and materials ensure safe corrosion protection.

- Medium-duty cable tray system with side heights of 60, 85 and 110 mm
- Various fittings, functional connectors and additional accessories



Cable tray system SKS

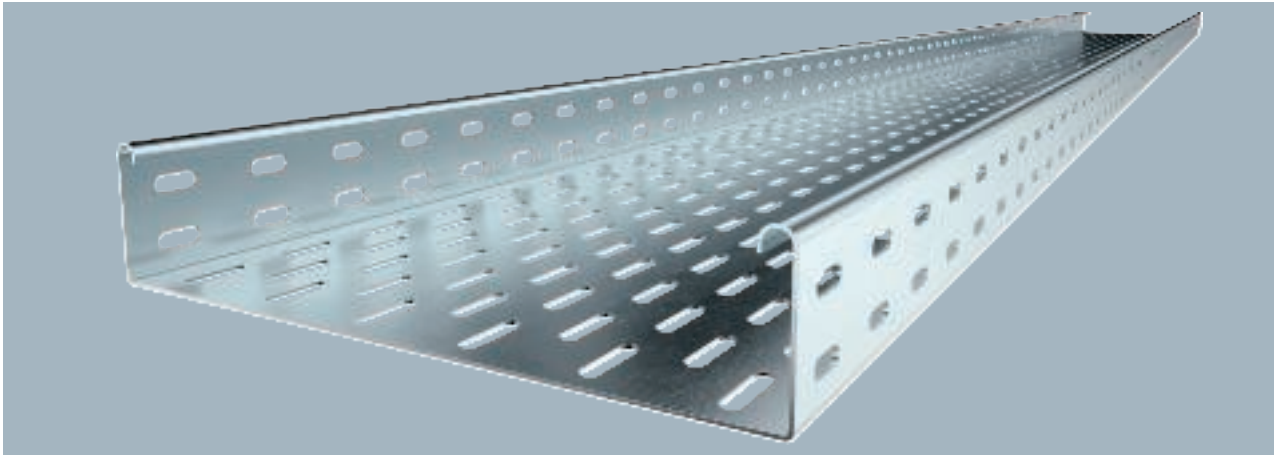
Installation principle



1	SKS cable tray	SKS
2	90° bend	RB 90
3	45° bend	RB 45
4	T branch piece	RT
5	Cross-over	RK
6	Add-on tee	RAA
7	Reducer/stop-end	RWEB
8	Straight connectors and joint plate	TSG
9	Cover with turn buckle	DRL
10	Vertical bend element	RGBV
11	Adjustable bend element	RGBV
12	Unperforated cover with cover clamp	DRLU



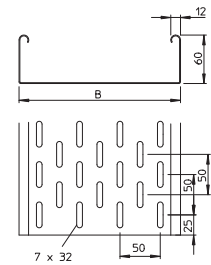
Cable tray SKS 60



The cable tray, type SKS, should also be used for the maintenance of electrical function. For additional data, please refer to BSS fire protection systems.
SKS 60 = heavy-duty cable tray system with 60 mm side height.

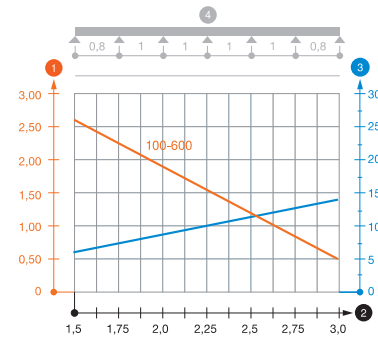
Type	Width mm	Metal thick- ness mm	BS	Pack m	Weight kg/100 m	Item no.
SKS 610 FS	100	1.50		3	239.400	6056105
SKS 620 FS	200	1.50		3	364.000	6056202
SKS 630 FS	300	1.50		3	463.670	6056296
SKS 640 FS	400	1.50		3	564.340	6056407
SKS 650 FS	500	1.50		3	663.340	6056504
SKS 660 FS	600	1.50		3	762.340	6056601

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKS 610 FS	3000	100	58
SKS 620 FS	3000	200	118
SKS 630 FS	3000	300	178
SKS 640 FS	3000	400	238
SKS 650 FS	3000	500	298
SKS 660 FS	3000	600	358

Load

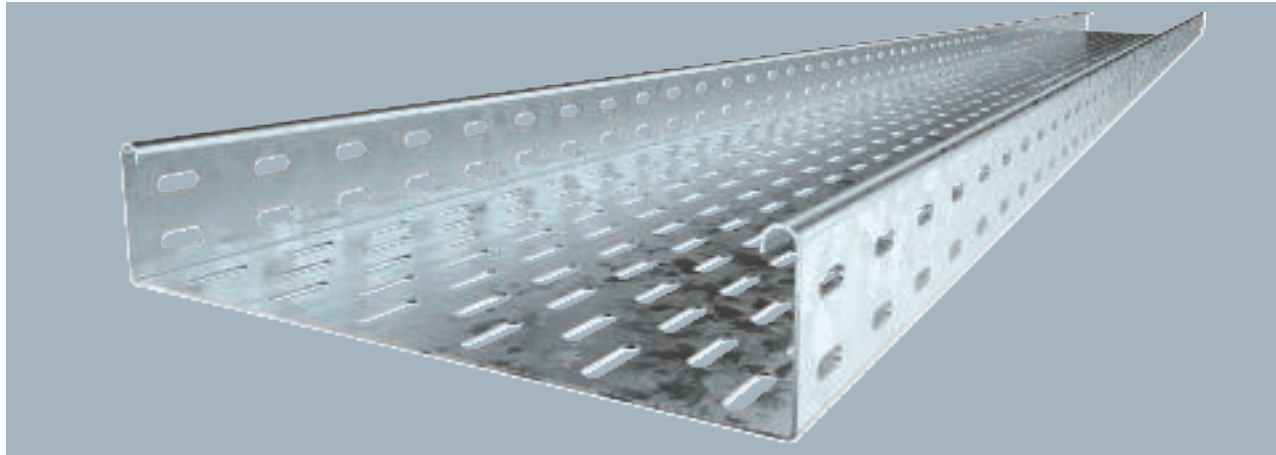


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKS 610 FS	2.65	1.8	1.15	0.5
SKS 620 FS	2.65	1.8	1.15	0.5
SKS 630 FS	2.65	1.8	1.15	0.5
SKS 640 FS	2.65	1.8	1.15	0.5
SKS 650 FS	2.65	1.8	1.15	0.5
SKS 660 FS	2.65	1.8	1.15	0.5

Load diagram, cable tray, type SKS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS 60



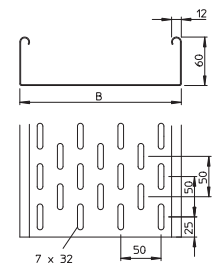
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 610 FT	100	1.50	3	277.000	6056636
SKS 620 FT	200	1.50	3	380.000	6056652
SKS 630 FT	300	1.50	3	485.670	6056679
SKS 640 FT	400	1.50	3	590.340	6056695
SKS 650 FT	500	1.50	3	694.670	6056717
SKS 660 FT	600	1.50	3	799.000	6056733

The cable tray, type SKS, should also be used for the maintenance of electrical function. For additional data, please refer to BSS fire protection systems.

SKS 60 = Heavy-duty cable tray system with 60 mm side height.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKS 610 FT	3000	100	58
SKS 620 FT	3000	200	118
SKS 630 FT	3000	300	178
SKS 640 FT	3000	400	238
SKS 650 FT	3000	500	298
SKS 660 FT	3000	600	358

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKS 610 FT	2.65	1.8	1.15	0.5
SKS 620 FT	2.65	1.8	1.15	0.5
SKS 630 FT	2.65	1.8	1.15	0.5
SKS 640 FT	2.65	1.8	1.15	0.5
SKS 650 FT	2.65	1.8	1.15	0.5
SKS 660 FT	2.65	1.8	1.15	0.5

Load diagram, cable tray, type SKS 60

1 Permitted cable tray/ladder load in kN/m without man load

2 Support width in m

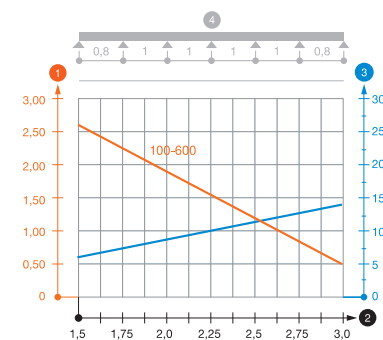
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

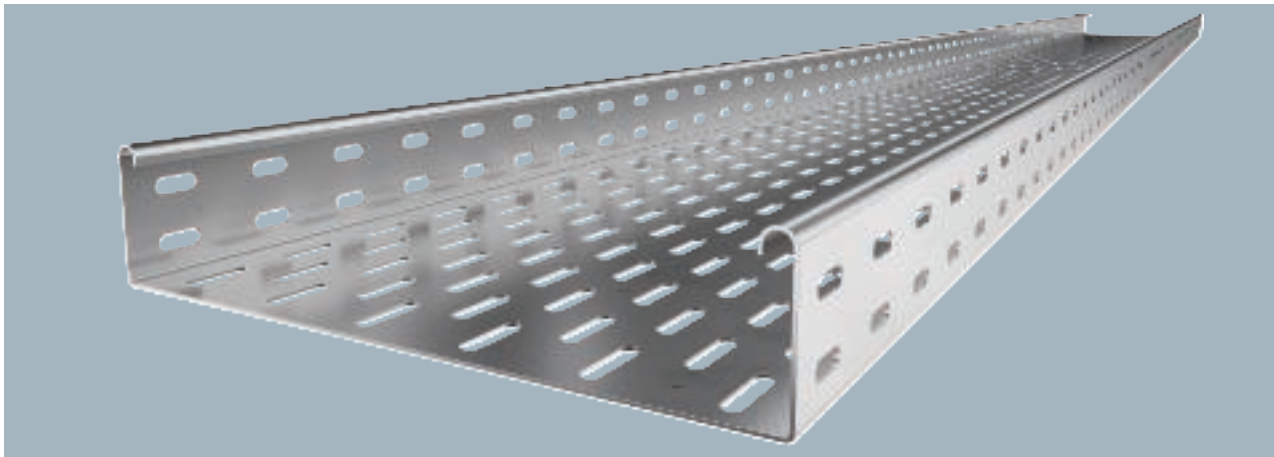
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



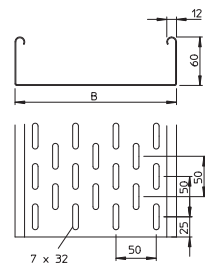
Cable tray SKS 60



Connecting parts should be ordered in the appropriate quantity.
SKS 60 = heavy-duty cable tray system with 60 mm side height.

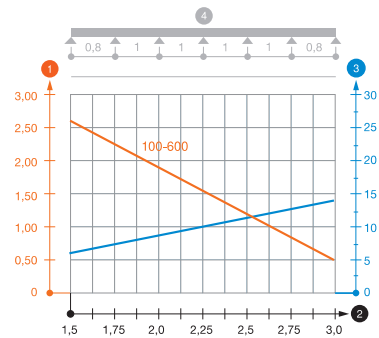
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 610 A2	100	1.50	3	260.000	6056735
SKS 620 A2	200	1.50	3	356.667	6056737
SKS 630 A2	300	1.50	3	455.333	6056739
SKS 640 A2	400	1.50	3	553.667	6056742
SKS 650 A2	500	1.50	3	651.333	6056744
SKS 660 A2	600	1.50	3	749.333	6056746

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKS 610 A2	3000	100	58
SKS 620 A2	3000	200	118
SKS 630 A2	3000	300	178
SKS 640 A2	3000	400	238
SKS 650 A2	3000	500	298
SKS 660 A2	3000	600	358

Load

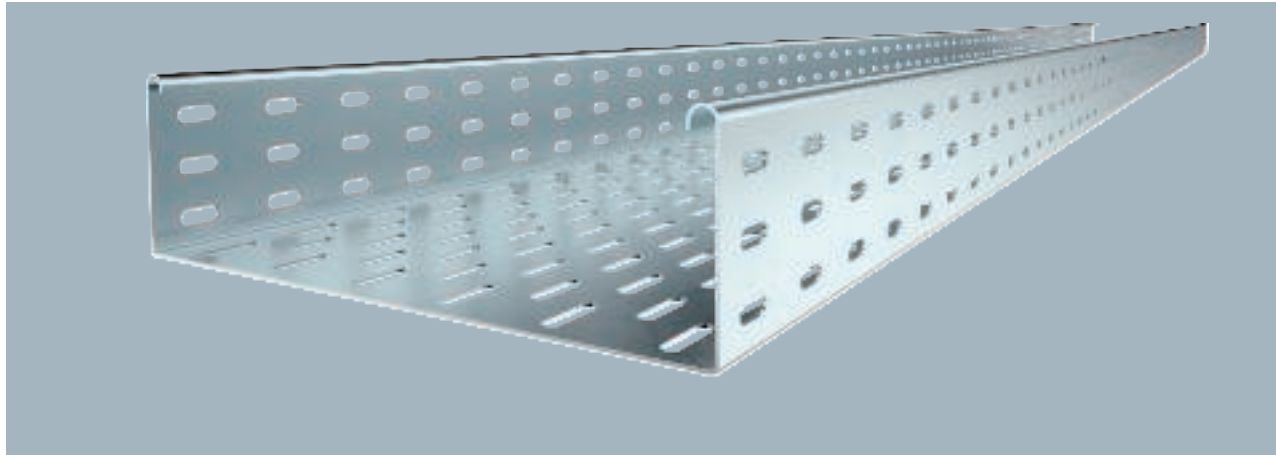


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKS 610 A2	2.65	1.8	1.15	0.5
SKS 620 A2	2.65	1.8	1.15	0.5
SKS 630 A2	2.65	1.8	1.15	0.5
SKS 640 A2	2.65	1.8	1.15	0.5
SKS 650 A2	2.65	1.8	1.15	0.5
SKS 660 A2	2.65	1.8	1.15	0.5

Load diagram, cable tray, type SKS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS 85



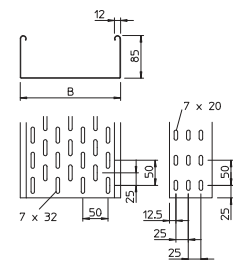
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 810 FS	100	1.50	3	310.340	6058108
SKS 820 FS	200	1.50	3	429.000	6058205
SKS 830 FS	300	1.50	3	527.000	6058302
SKS 840 FS	400	1.50	3	624.000	6058396
SKS 850 FS	500	1.50	3	721.667	6058507
SKS 860 FS	600	1.50	3	821.000	6058604

FS version includes connector, type RLVL 85.

SKS 85 = heavy-duty cable tray system with 85 mm side height.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKS 810 FS	3000	100	83
SKS 820 FS	3000	200	186
SKS 830 FS	3000	300	253
SKS 840 FS	3000	400	338
SKS 850 FS	3000	500	423
SKS 860 FS	3000	600	508

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKS 810 FS	2.8	2.25	1.5	0.75
SKS 820 FS	2.8	2.25	1.5	0.75
SKS 830 FS	2.8	2.25	1.5	0.75
SKS 840 FS	2.8	2.25	1.5	0.75
SKS 850 FS	2.8	2.25	1.5	0.75
SKS 860 FS	2.8	2.25	1.5	0.75

Load diagram, cable tray, type SKS 85

1 Permitted cable tray/ladder load in kN/m without man load

2 Support width in m

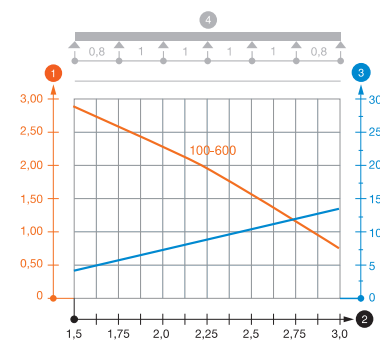
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

— Load curve with cable tray/ladder width in mm

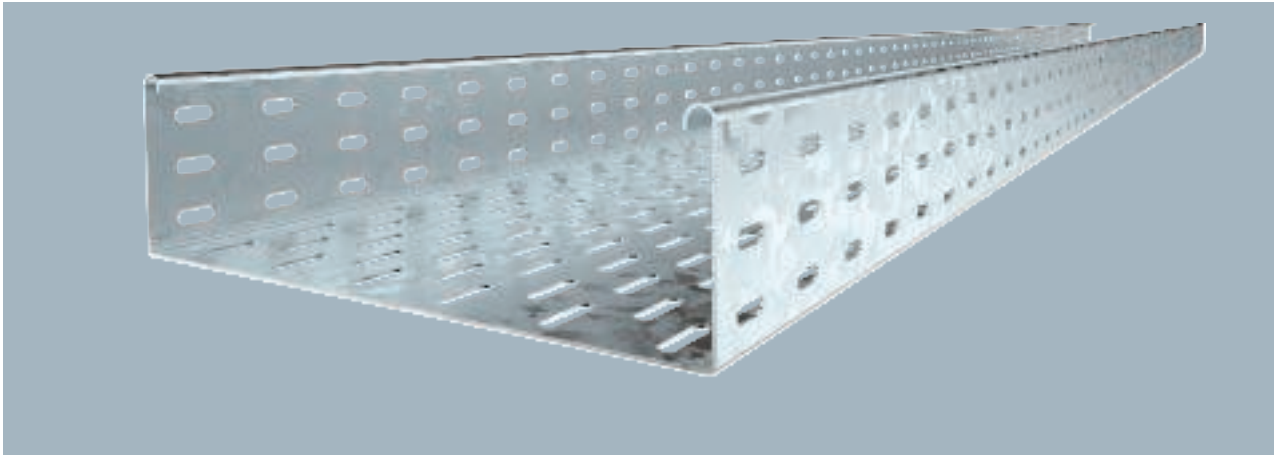
— Strut bend curve according to support width

Load





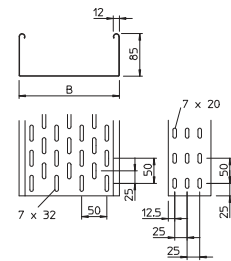
Cable tray SKS 85



SKS 85 = heavy-duty cable tray system with 85 mm side height.

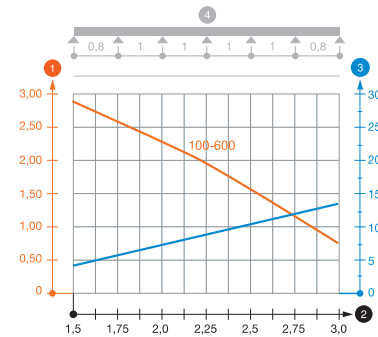
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 810 FT	100	1.50	3	334.000	6058620
SKS 820 FT	200	1.50	3	438.340	6058647
SKS 830 FT	300	1.50	3	543.000	6058663
SKS 840 FT	400	1.50	3	644.000	6058698
SKS 850 FT	500	1.50	3	750.340	6058728
SKS 860 FT	600	1.50	3	856.670	6058744

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKS 810 FT	3000	100	83
SKS 820 FT	3000	200	186
SKS 830 FT	3000	300	253
SKS 840 FT	3000	400	338
SKS 850 FT	3000	500	423
SKS 860 FT	3000	600	508

Load

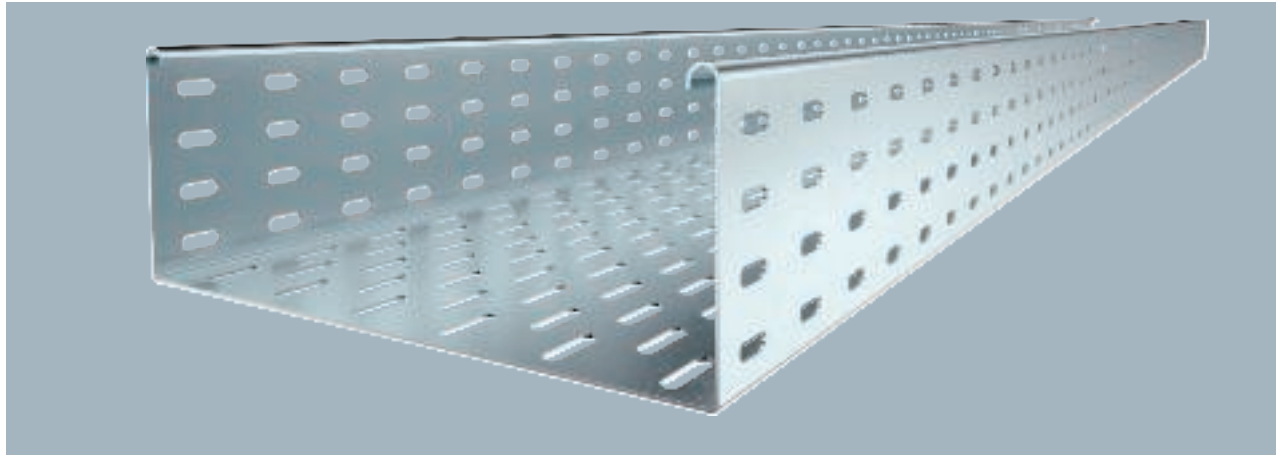


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKS 810 FT	2.8	2.25	1.5	0.75
SKS 820 FT	2.8	2.25	1.5	0.75
SKS 830 FT	2.8	2.25	1.5	0.75
SKS 840 FT	2.8	2.25	1.5	0.75
SKS 850 FT	2.8	2.25	1.5	0.75
SKS 860 FT	2.8	2.25	1.5	0.75

Load diagram, cable tray, type SKS 85

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKS 110



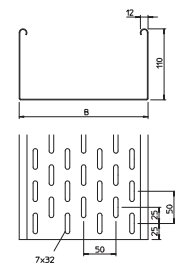
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 110 FS	100	1.50	3	386.000	6061109
SKS 120 FS	200	1.50	3	486.340	6061206
SKS 130 FS	300	1.50	3	584.000	6061303
SKS 140 FS	400	1.50	3	681.670	6061400
SKS 150 FS	500	1.50	3	779.670	6061508
SKS 155 FS	550	1.50	3	830.000	6061559

FS version includes connector, type RLVL 110.

SKS 110 = heavy-duty cable tray system with 110 mm side height.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKS 110 FS	3000	100	108
SKS 120 FS	3000	200	218
SKS 130 FS	3000	300	328
SKS 140 FS	3000	400	438
SKS 150 FS	3000	500	548
SKS 155 FS	3000	550	603

Dimensions

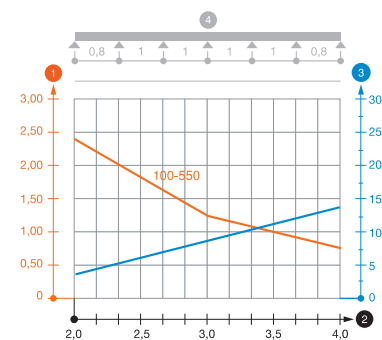


	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKS 110 FS	3	2.4	1.2	0.8
SKS 120 FS	3	2.4	1.2	0.8
SKS 130 FS	3	2.4	1.2	0.8
SKS 140 FS	3	2.4	1.2	0.8
SKS 150 FS	3	2.4	1.2	0.8
SKS 155 FS	3	2.4	1.2	0.8

Load diagram, cable tray, type SKS 110

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

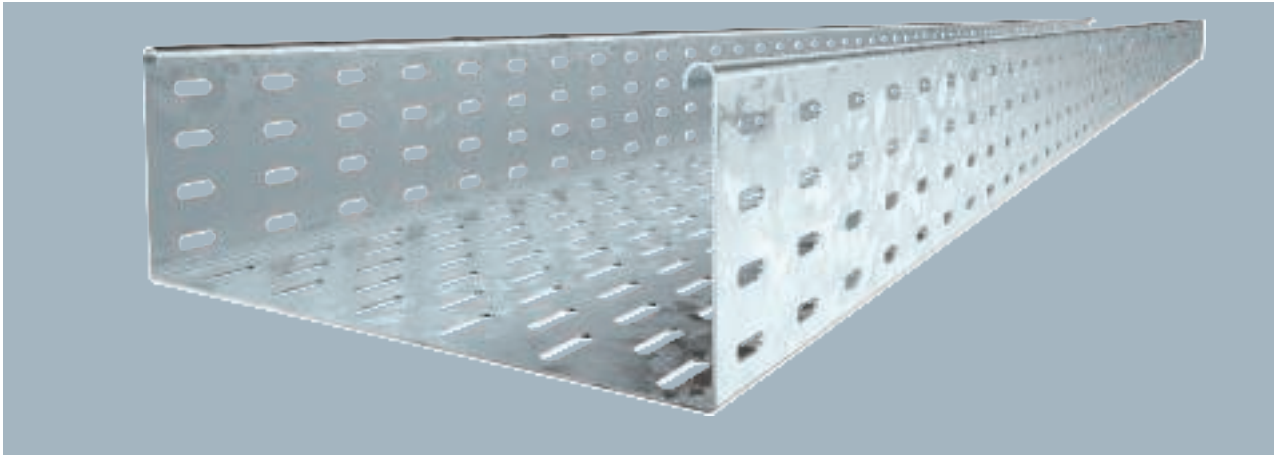
Load





Cable tray SKS 110

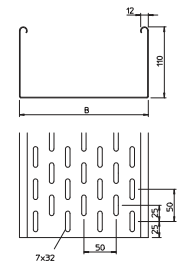
Cable trays



SKS 110 = heavy-duty cable tray system with 110 mm side height.

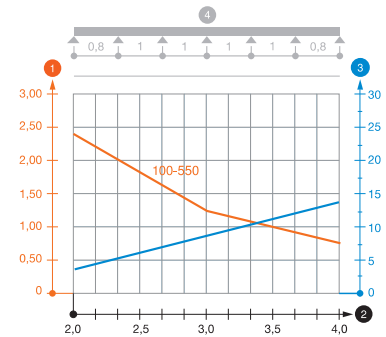
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKS 110 FT	100	1.50	3	388.680	6061605
SKS 120 FT	200	1.50	3	494.000	6061621
SKS 130 FT	300	1.50	3	598.340	6061656
SKS 140 FT	400	1.50	3	697.340	6061672
SKS 150 FT	500	1.50	3	807.000	6061702
SKS 155 FT	550	1.50	3	856.000	6061729

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKS 110 FT	3000	100	108
SKS 120 FT	3000	200	218
SKS 130 FT	3000	300	328
SKS 140 FT	3000	400	438
SKS 150 FT	3000	500	548
SKS 155 FT	3000	550	603

Load



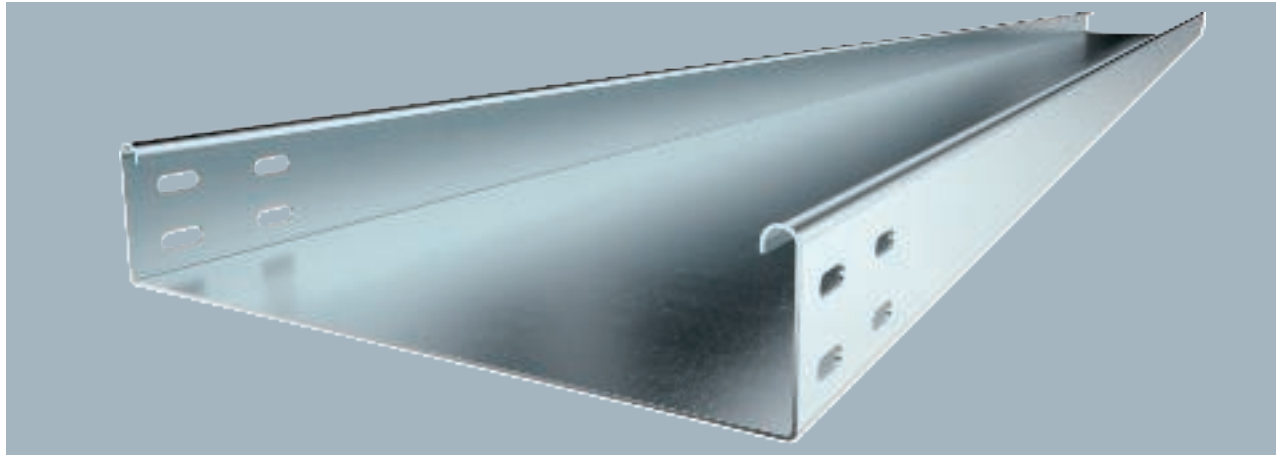
		1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKS 110 FT	3	2.4	1.2	0.8	
SKS 120 FT	3	2.4	1.2	0.8	
SKS 130 FT	3	2.4	1.2	0.8	
SKS 140 FT	3	2.4	1.2	0.8	
SKS 150 FT	3	2.4	1.2	0.8	
SKS 155 FT	3	2.4	1.2	0.8	

Load diagram, cable tray, type SKS 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

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Cable tray SKSU 60



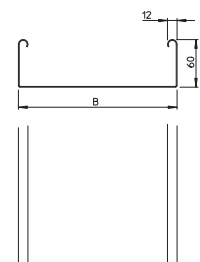
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSU 610 FS	100	1.50	3	286.000	6063234
SKSU 620 FS	200	1.50	3	399.670	6063236
SKSU 630 FS	300	1.50	3	516.000	6063238
SKSU 640 FS	400	1.50	3	639.000	6063950
SKSU 650 FS	500	1.50	3	756.670	6063241
SKSU 660 FS	600	1.50	3	877.000	6063276

The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

SKS 60 = heavy-duty cable tray system, unperforated, with 60 mm side height.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKSU 610 FS	3000	100	58
SKSU 620 FS	3000	200	118
SKSU 630 FS	3000	300	178
SKSU 640 FS	3000	400	238
SKSU 650 FS	3000	500	298
SKSU 660 FS	3000	600	358

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSU 610 FS	2.6	1.9	1.1	0.55
SKSU 620 FS	2.6	1.9	1.1	0.55
SKSU 630 FS	2.6	1.9	1.1	0.55
SKSU 640 FS	2.6	1.9	1.1	0.55
SKSU 650 FS	2.6	1.9	1.1	0.55
SKSU 660 FS	2.6	1.9	1.1	0.55

Load diagram, cable tray, type SKSU 60

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

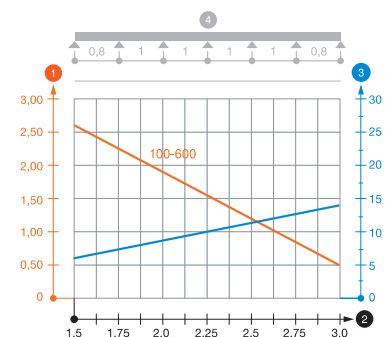
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

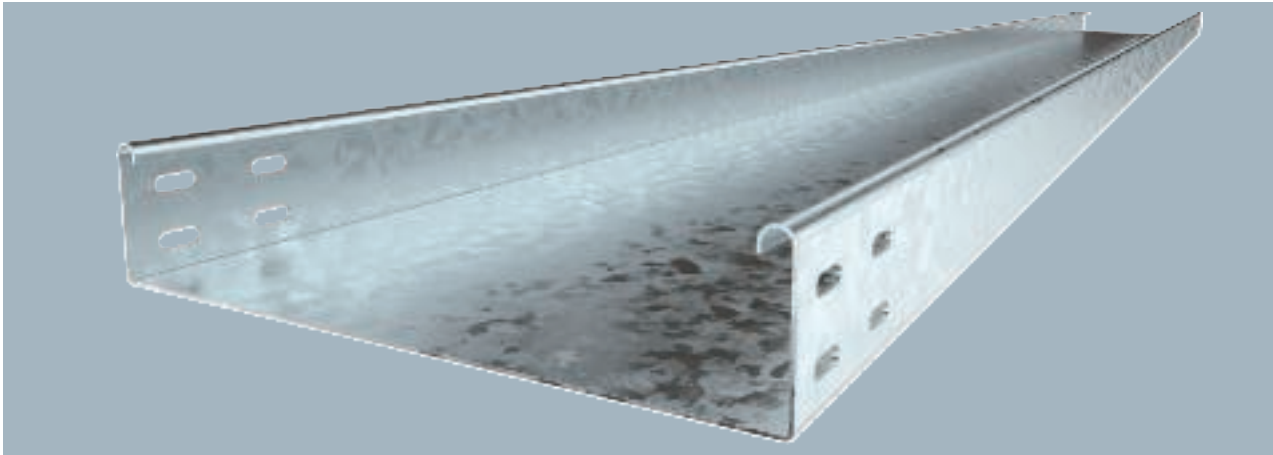
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



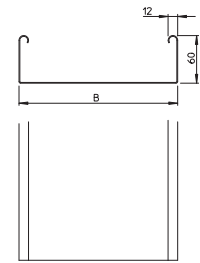
Cable tray SKSU 60



The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.
SKS 60 = heavy-duty cable tray system, unperforated, with 60 mm side height.

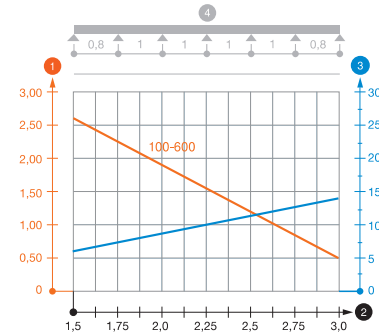
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSU 610 FT	100	1.50	3	302.670	6064307
SKSU 620 FT	200	1.50	3	427.340	6064353
SKSU 630 FT	300	1.50	3	554.670	6064409
SKSU 640 FT	400	1.50	3	687.000	6064435
SKSU 650 FT	500	1.50	3	802.000	6064515
SKSU 660 FT	600	1.50	3	929.670	6064523

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSU 610 FT	3000	100	58
SKSU 620 FT	3000	200	118
SKSU 630 FT	3000	300	178
SKSU 640 FT	3000	400	238
SKSU 650 FT	3000	500	298
SKSU 660 FT	3000	600	358

Load

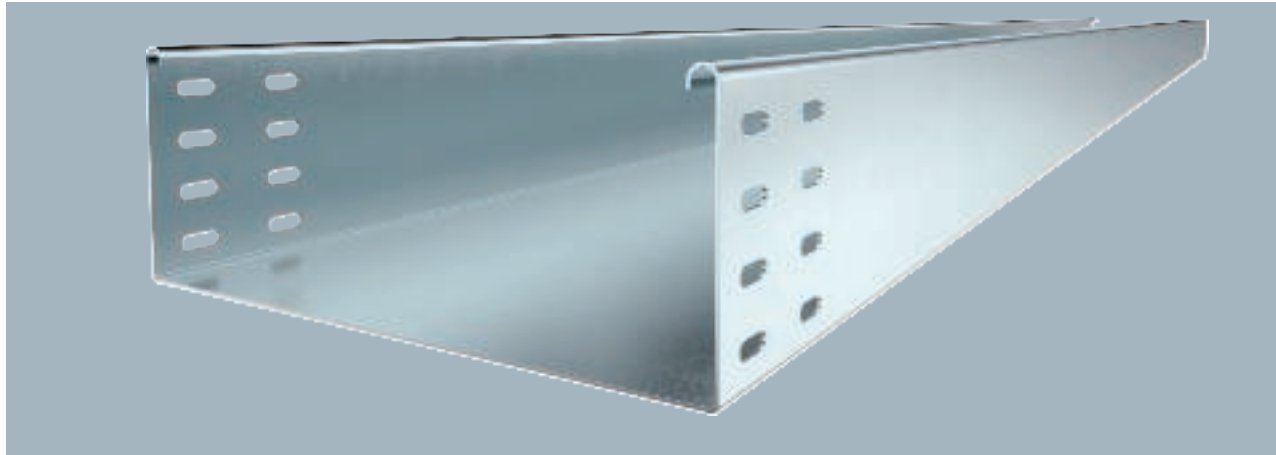


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SKSU 610 FT	2.6	1.9	1.1	0.55
SKSU 620 FT	2.6	1.9	1.1	0.55
SKSU 630 FT	2.6	1.9	1.1	0.55
SKSU 640 FT	2.6	1.9	1.1	0.55
SKSU 650 FT	2.6	1.9	1.1	0.55
SKSU 660 FT	2.6	1.9	1.1	0.55

Load diagram, cable tray, type SKSU 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray SKSU 110



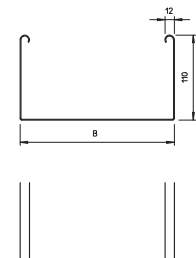
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSU 110 FS	100	1.50	3	404.000	6063403
SKSU 120 FS	200	1.50	3	520.000	6063438
SKSU 130 FS	300	1.50	3	637.000	6063454
SKSU 140 FS	400	1.50	3	754.700	6063470
SKSU 150 FS	500	1.50	3	872.000	6063497
SKSU 155 FS	550	1.50	3	935.340	6063500

The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

SKSU 110 = heavy-duty cable tray system, unperforated, with 110 mm side height.

Type	Length mm	Dim. B mm	Usable cross- section cm ²
SKSU 110 FS	3000	100	108
SKSU 120 FS	3000	200	218
SKSU 130 FS	3000	300	328
SKSU 140 FS	3000	400	438
SKSU 150 FS	3000	500	548
SKSU 155 FS	3000	550	603

Dimensions



	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSU 110 FS	3	2.4	1.2	0.8
SKSU 120 FS	3	2.4	1.2	0.8
SKSU 130 FS	3	2.4	1.2	0.8
SKSU 140 FS	3	2.4	1.2	0.8
SKSU 150 FS	3	2.4	1.2	0.8
SKSU 155 FS	3	2.4	1.2	0.8

Load diagram, cable tray, type SKSU 110

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

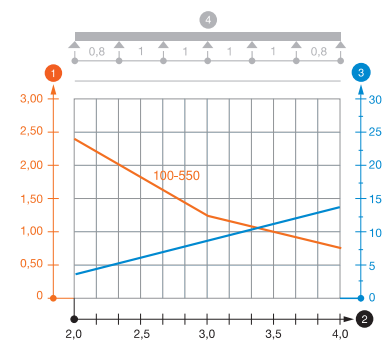
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

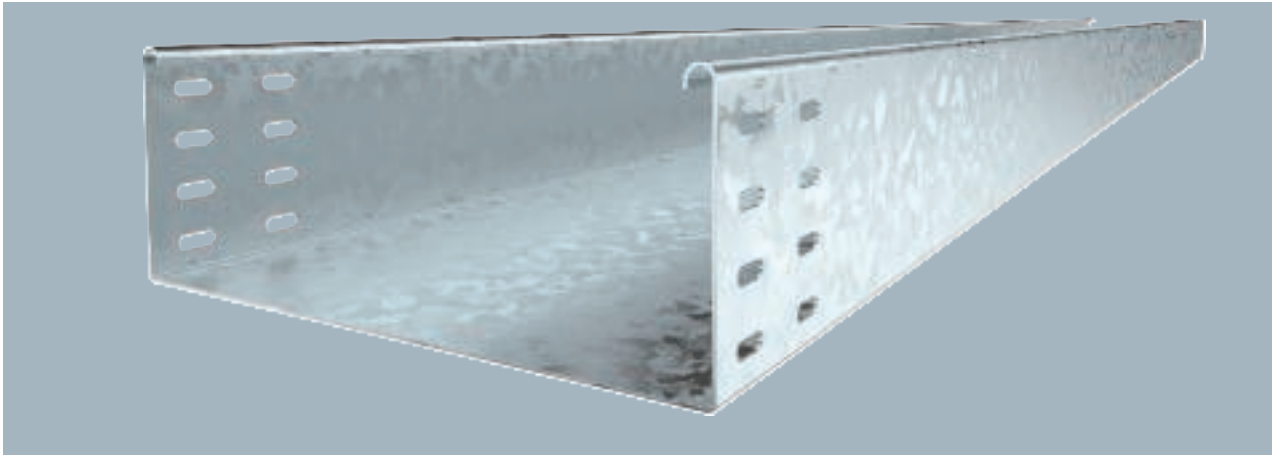
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



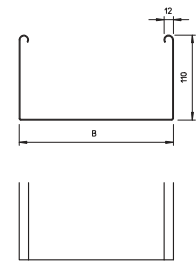
Cable tray SKSU 110



The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.
SKS 110 = heavy-duty cable tray system, unperforated, with 110 mm side height.

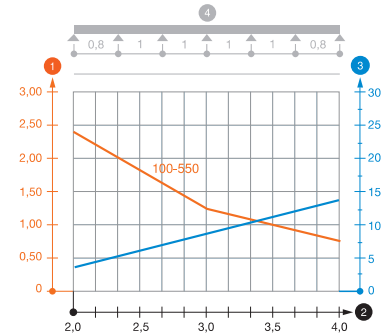
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
SKSU 110 FT	100	1.50	3	406.700	6064795
SKSU 120 FT	200	1.50	3	551.340	6064833
SKSU 130 FT	300	1.50	3	694.000	6064884
SKSU 140 FT	400	1.50	3	822.670	6064922
SKSU 150 FT	500	1.50	3	924.670	6064965
SKSU 155 FT	550	1.50	3	991.670	6064973

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SKSU 110 FT	3000	100	108
SKSU 120 FT	3000	200	218
SKSU 130 FT	3000	300	328
SKSU 140 FT	3000	400	438
SKSU 150 FT	3000	500	548
SKSU 155 FT	3000	550	605

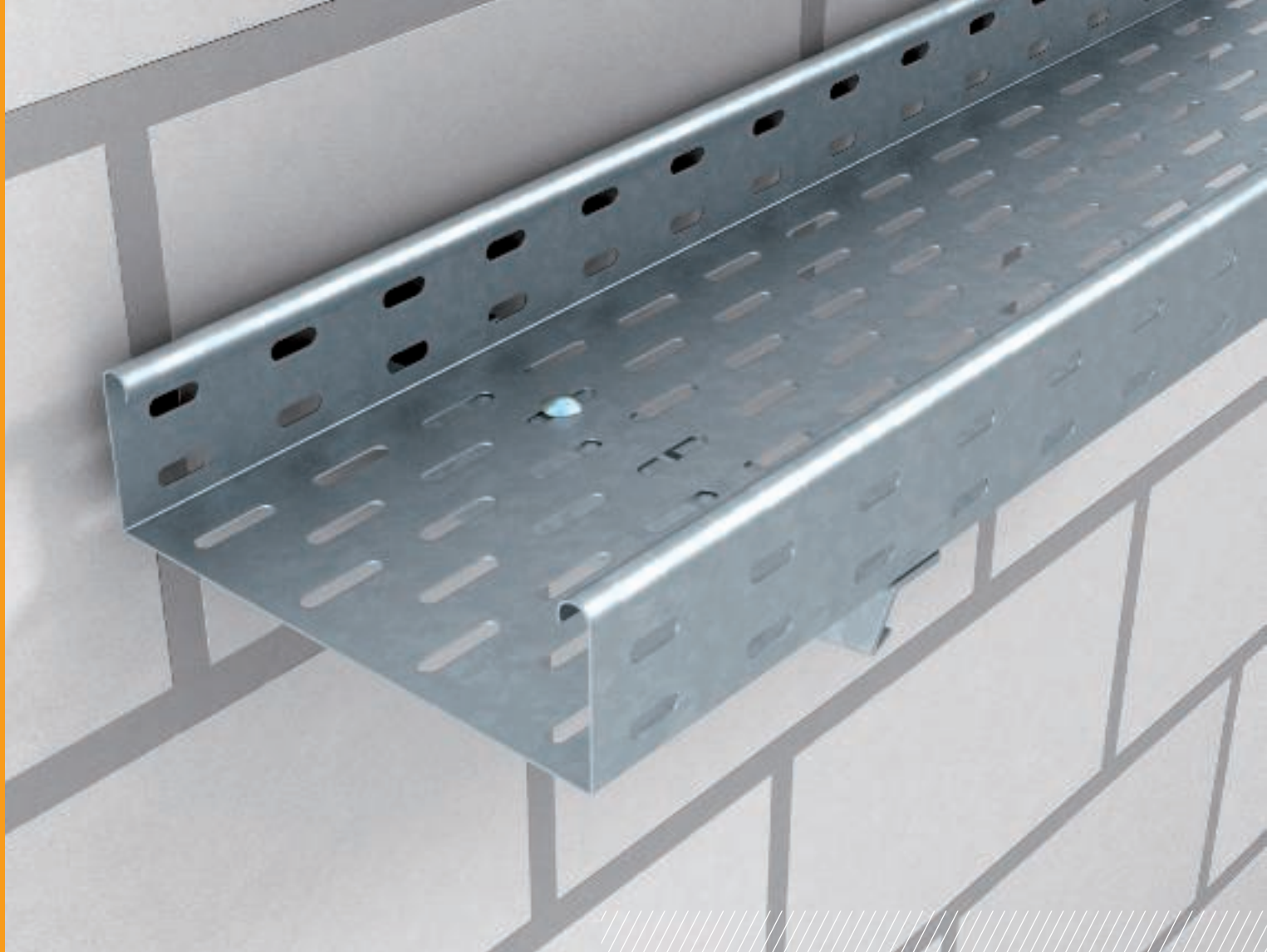
Load



	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m
SKSU 110 FT	3	2.4	1.2	0.8
SKSU 120 FT	3	2.4	1.2	0.8
SKSU 130 FT	3	2.4	1.2	0.8
SKSU 140 FT	3	2.4	1.2	0.8
SKSU 150 FT	3	2.4	1.2	0.8
SKSU 155 FT	3	2.4	1.2	0.8

Load diagram, cable tray, type SKSU 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

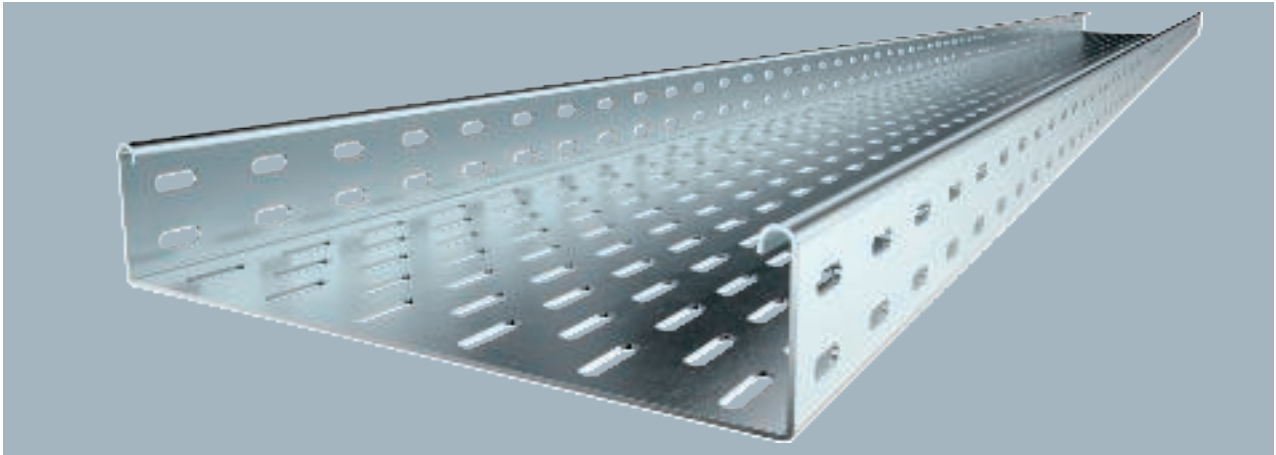


Cable tray system EKS

The cable tray is suitable for universal cable routing. From low-voltage cabling to power supplies, from data cables to telecommunications networks. A full product range, with suitable system components, can create perfect solutions for any task. No matter whether used in dry inner areas or in aggressive atmospheres: Different surface versions and materials ensure safe corrosion protection.

- Extra-heavy cable tray system with 60 mm side height
- Various fittings, functional connectors and additional accessories

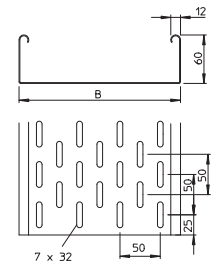
Cable tray EKS 60



Straight connectors should be ordered separately for all the versions.
EKS 60 = extra-heavy cable tray system with 60 mm side height.

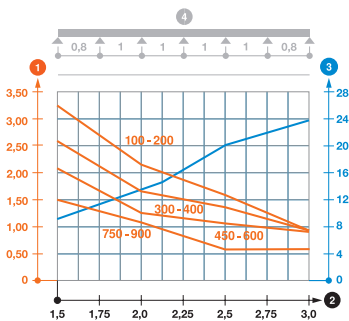
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
EKS 610 FS	100	2.00	3	341.340	6056148
EKS 620 FS	200	2.00	3	471.670	6056229
EKS 630 FS	300	2.00	3	602.000	6056326
EKS 640 FS	400	2.00	3	732.670	6056423
EKS 650 FS	500	2.00	3	863.000	6056520
EKS 660 FS	600	2.00	3	993.340	6056628

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
EKS 610 FS	3000	100	58
EKS 620 FS	3000	200	118
EKS 630 FS	3000	300	178
EKS 640 FS	3000	400	238
EKS 650 FS	3000	500	298
EKS 660 FS	3000	600	358

Load

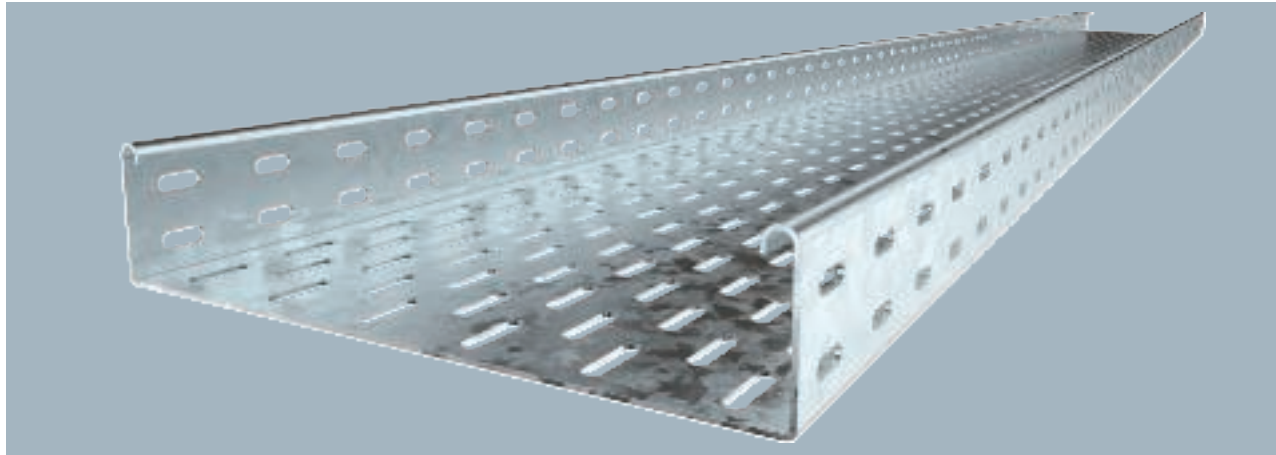


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
EKS 610 FS	3.3	2.2	1.6	0.95
EKS 620 FS	3.3	2.2	1.6	0.95
EKS 630 FS	2.6	1.7	1.4	0.95
EKS 640 FS	2.6	1.7	1.4	0.95
EKS 650 FS	2.1	1.35	1.15	0.9
EKS 660 FS	2.1	1.35	1.15	0.9

Load diagram, cable tray, type EKS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable tray EKS 60



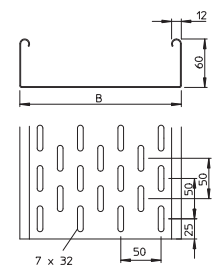
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
EKS 610 FT	100	2.00	3	358.340	6056776
EKS 620 FT	200	2.00	3	493.000	6056792
EKS 630 FT	300	2.00	3	629.340	6056806
EKS 640 FT	400	2.00	3	765.670	6056970
EKS 650 FT	500	2.00	3	902.000	6056989
EKS 660 FT	600	2.00	3	1,038.340	6056997

Straight connectors should be ordered separately for all the versions.

EKS 60 = Extra-heavy cable tray system with 60 mm side height.

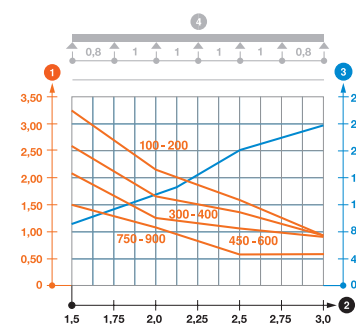
Type	Length mm	Dim. B mm	Usable cross- section cm ²
EKS 610 FT	3000	100	58
EKS 620 FT	3000	200	118
EKS 630 FT	3000	300	178
EKS 640 FT	3000	400	238
EKS 650 FT	3000	500	298
EKS 660 FT	3000	600	358

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
EKS 610 FT	3.3	2.2	1.6	0.95
EKS 620 FT	3.3	2.2	1.6	0.95
EKS 630 FT	2.6	1.7	1.4	0.95
EKS 640 FT	2.6	1.7	1.4	0.95
EKS 650 FT	2.1	1.35	1.15	0.9
EKS 660 FT	2.1	1.35	1.15	0.9

Load



Load diagram, cable tray, type EKS 60

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

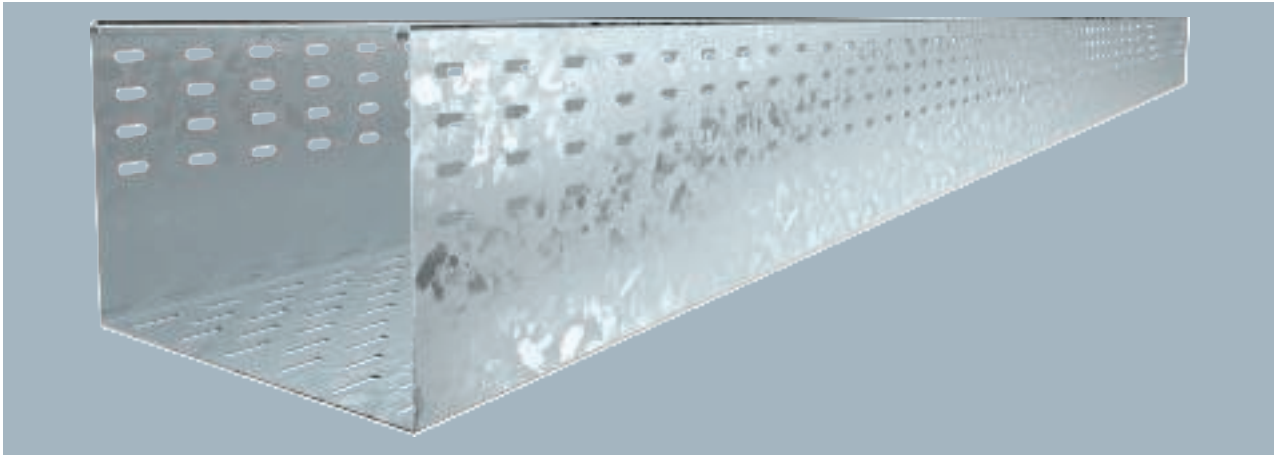
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

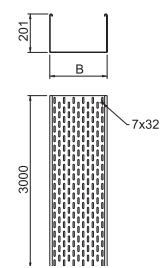
Cable tray MFR 200



MFR = mobile radio tray
Magnetic shield insulation without cover 20 dB, with cover 50 dB.

Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MFR 220 FT	200	1.50	3	721.467	6083056
MFR 230 FT	300	1.50	3	825.767	6083060
MFR 240 FT	400	1.50	3	930.066	6083064

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
MFR 220 FT	3000	200	400
MFR 230 FT	3000	300	600
MFR 240 FT	3000	400	800



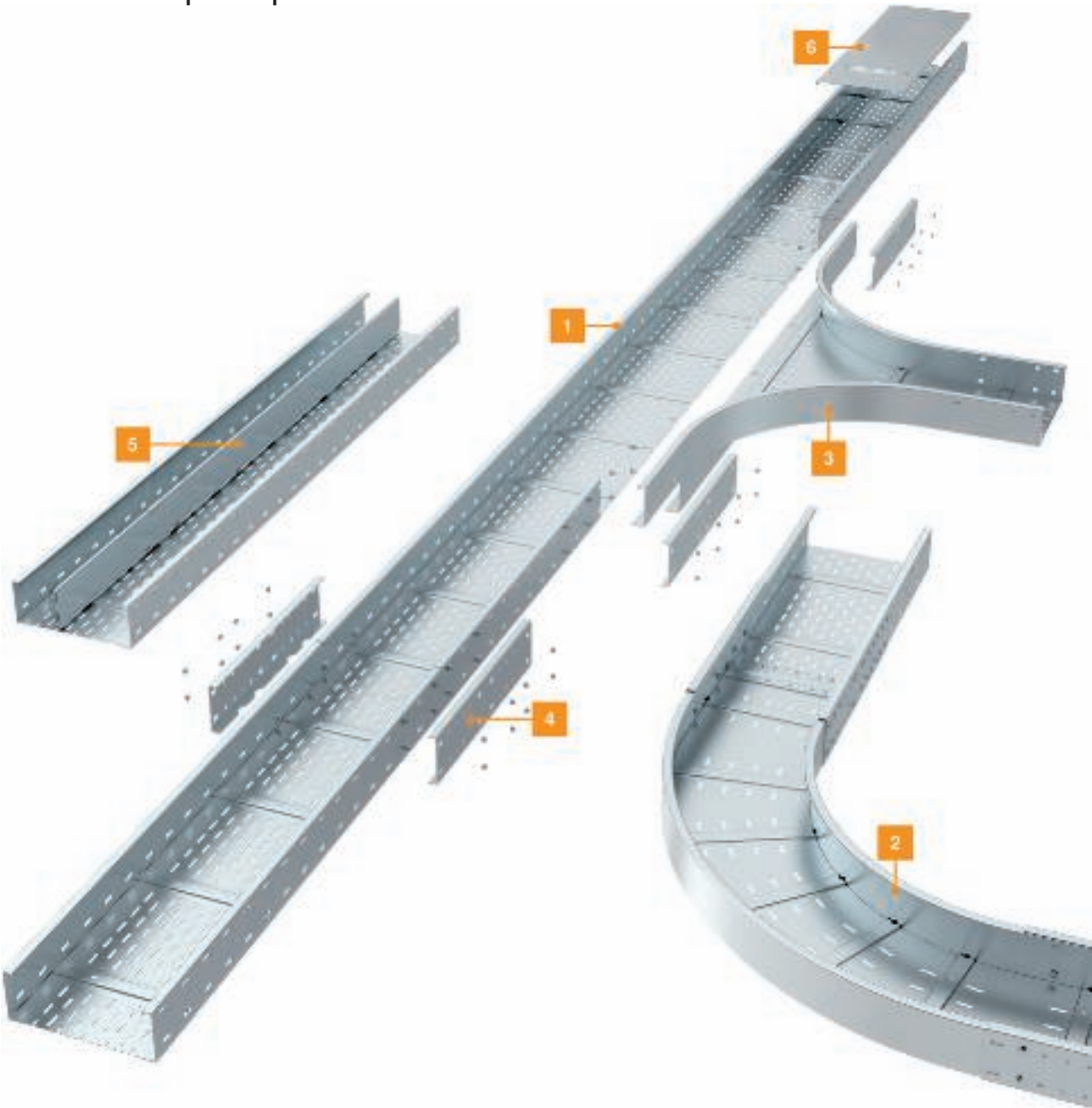
Wide span cable tray systems

When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories, such as fittings and all the fastening materials for concrete and steel mounting, round off this product range perfectly.



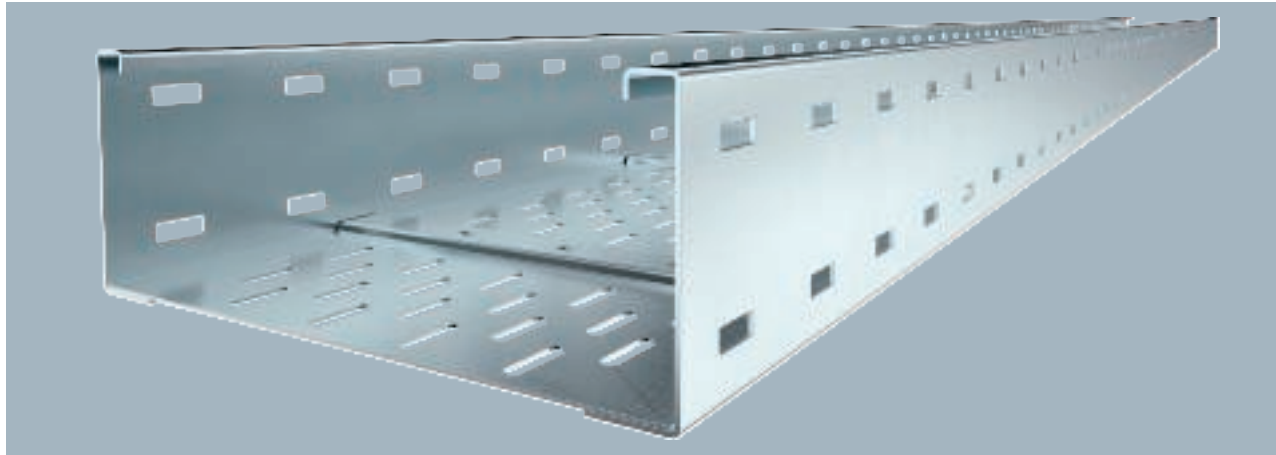
Wide span cable tray systems

Installation principle



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

Wide span cable tray WKSG 110



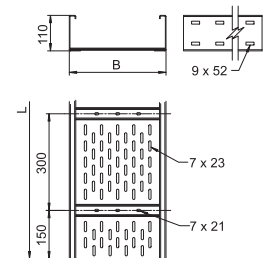
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 120 FS	200	2.00	6	712.610	6098111
WKSG 130 FS	300	2.00	6	817.250	6098115
WKSG 140 FS	400	2.00	6	921.900	6098119
WKSG 150 FS	500	2.00	6	1,023.340	6098123
WKSG 160 FS	600	2.00	6	1,131.170	6098127

Wide span cable tray system, perforated, with a side height of 110 mm.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 120 FS	6000	200	202
WKSG 130 FS	6000	300	305
WKSG 140 FS	6000	400	408
WKSG 150 FS	6000	500	511
WKSG 160 FS	6000	600	614

Dimensions

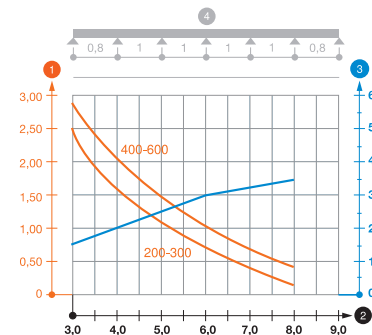


	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 120 FS	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 130 FS	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 140 FS	2.9	2	1.5	1	0.7	0.4
WKSG 150 FS	2.9	2	1.5	1	0.7	0.4
WKSG 160 FS	2.9	2	1.5	1	0.7	0.4

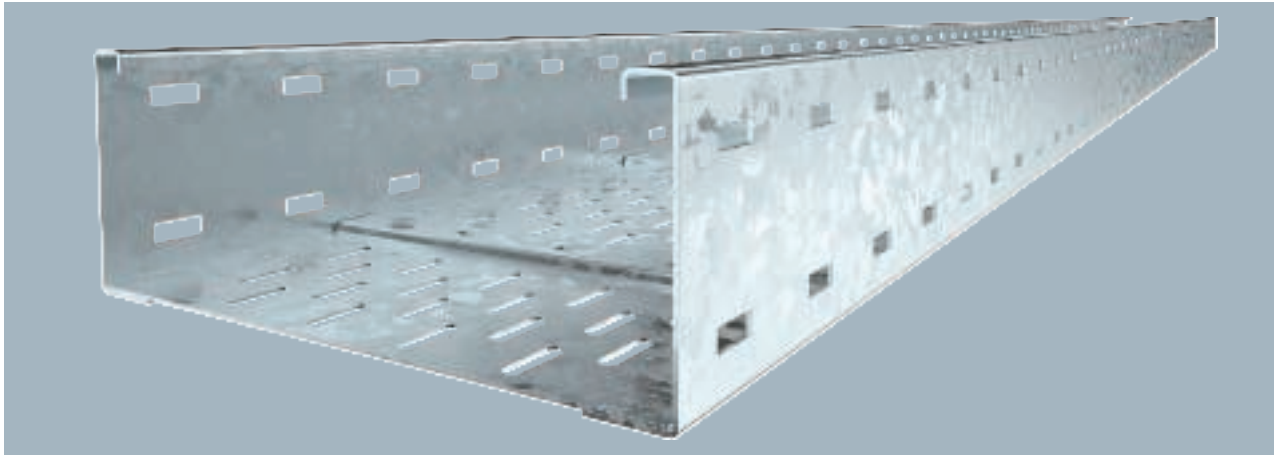
Load diagram, wide span cable tray, type WKSG 110

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



Wide span cable tray WKSG 110

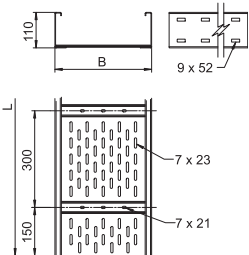


Wide span cable tray system, perforated, with a side height of 110 mm.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

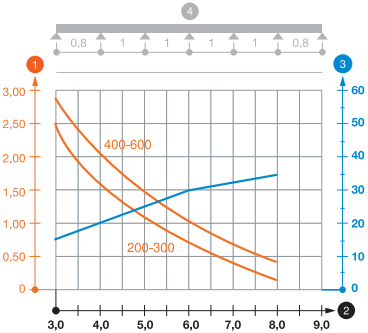
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 120 FT	200	2.00	6	751.570	6098141
WKSG 130 FT	300	2.00	6	863.150	6098145
WKSG 140 FT	400	2.00	6	974.740	6098149
WKSG 150 FT	500	2.00	6	1,086.320	6098153
WKSG 160 FT	600	2.00	6	1,197.890	6098157

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 120 FT	6000	200	202
WKSG 130 FT	6000	300	305
WKSG 140 FT	6000	400	408
WKSG 150 FT	6000	500	511
WKSG 160 FT	6000	600	614

Load



	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 120 FT	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 130 FT	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 140 FT	2.9	2	1.5	1	0.7	0.4
WKSG 150 FT	2.9	2	1.5	1	0.7	0.4
WKSG 160 FT	2.9	2	1.5	1	0.7	0.4

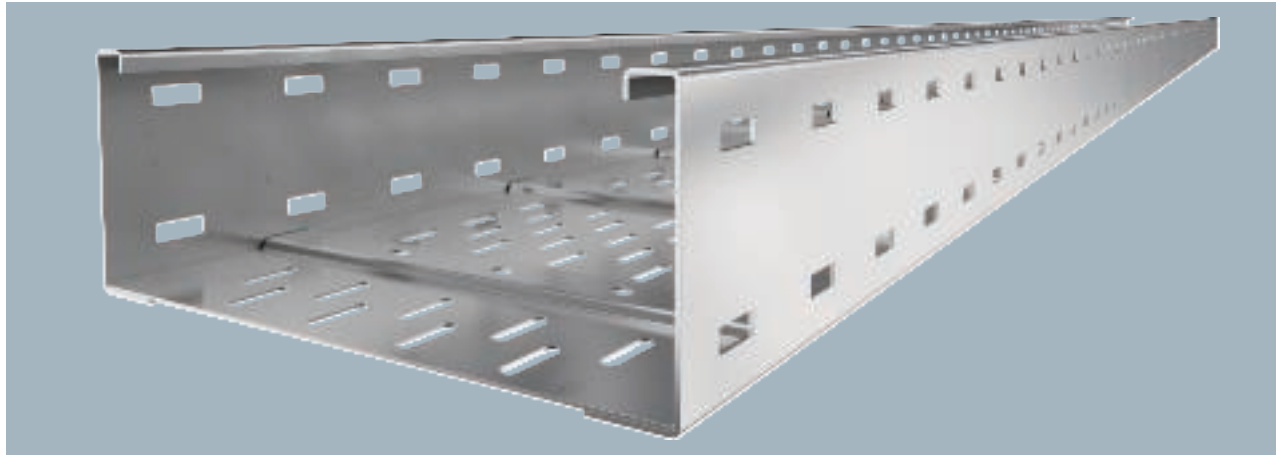
Load diagram, wide span cable tray, type WKSG 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

WKSG 110 wide span cable tray

VA 2B

Wide span cable tray WKSG 110



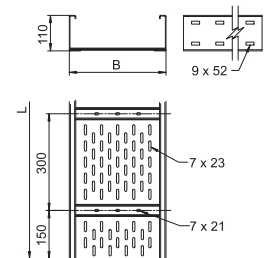
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 120 A2	200	2.00	6	713.833	6098161
WKSG 130 A2	300	2.00	6	821.933	6098165
WKSG 140 A2	400	2.00	6	927.100	6098169
WKSG 150 A2	500	2.00	6	1,041.600	6098173
WKSG 160 A2	600	2.00	6	1,143.283	6098177

Wide span cable tray system, perforated, with a side height of 110 mm.

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 120 A2	6000	200	202
WKSG 130 A2	6000	300	305
WKSG 140 A2	6000	400	408
WKSG 150 A2	6000	500	511
WKSG 160 A2	6000	600	614

Dimensions



	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 120 A2	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 130 A2	2.5	1.6	1.1	0.75	0.45	0.2
WKSG 140 A2	2.9	2	1.5	1	0.7	0.4
WKSG 150 A2	2.9	2	1.5	1	0.7	0.4
WKSG 160 A2	2.9	2	1.5	1	0.7	0.4

Load diagram, wide span cable tray, type WKSG 110

① Permitted cable tray/ladder load in kN/m without man load

② Support width in m

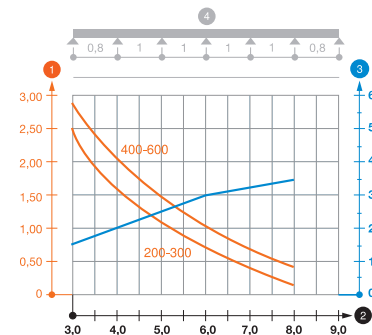
③ Rail bend in mm at permitted kN/m

④ Load scheme during testing

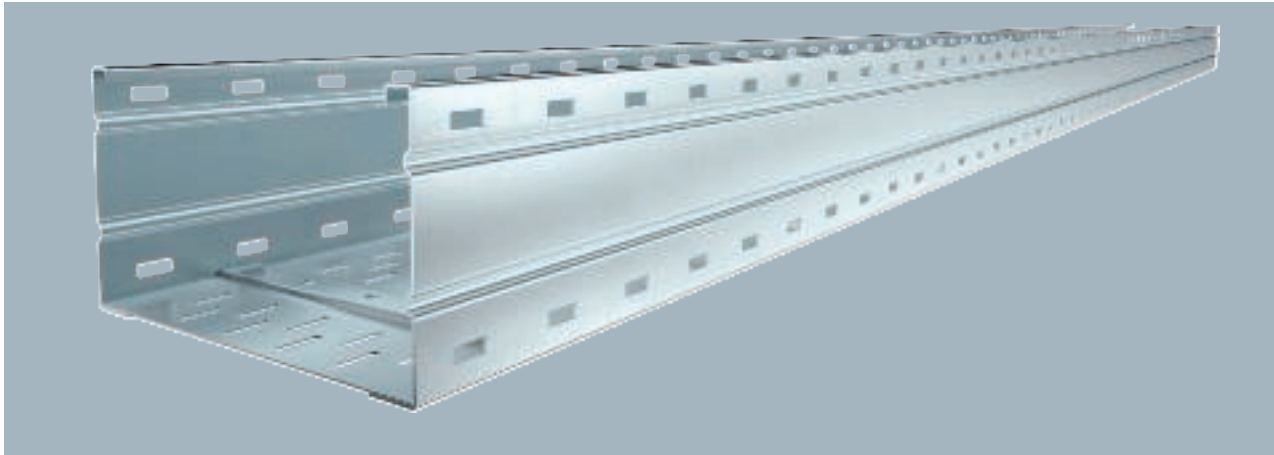
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



Wide span cable tray WKSG 160

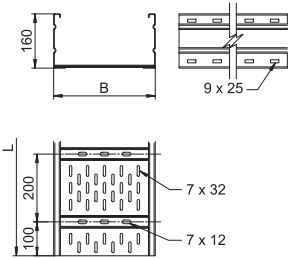


Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Wide span cable tray system, perforated, with a side height of 160 mm.

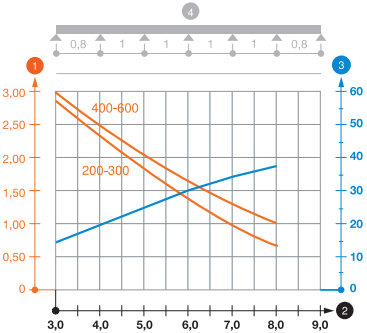
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 162 FS	200	2.00	6	895.067	6098501
WKSG 163 FS	300	2.00	6	1,003.170	6098505
WKSG 164 FS	400	2.00	6	1,108.340	6098509
WKSG 165 FS	500	2.00	6	1,216.420	6098513
WKSG 166 FS	600	2.00	6	1,324.500	6098517

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 162 FS	6000	200	302
WKSG 163 FS	6000	300	455
WKSG 164 FS	6000	400	608
WKSG 165 FS	6000	500	761
WKSG 166 FS	6000	600	914

Load

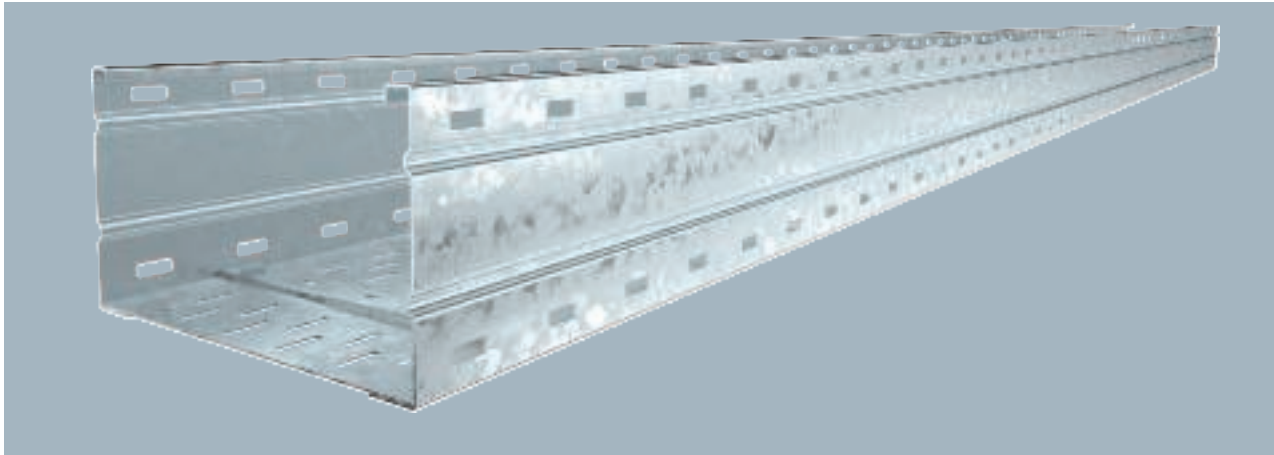


	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 162 FS	2.9	2.3	1.8	1.4	1	0.7
WKSG 163 FS	2.9	2.3	1.8	1.4	1	0.7
WKSG 164 FS	3	2.5	2	1.6	1.3	1
WKSG 165 FS	3	2.5	2	1.6	1.3	1
WKSG 166 FS	3	2.5	2	1.6	1.3	1

Load diagram, wide span cable tray, type WKSG 160

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Wide span cable tray WKSG 160



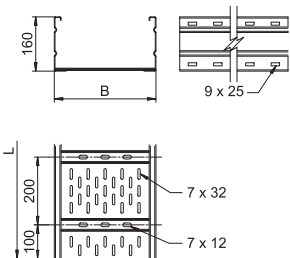
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 162 FT	200	2.00	6	943.090	6098550
WKSG 163 FT	300	2.00	6	1,058.370	6098554
WKSG 164 FT	400	2.00	6	1,170.520	6098558
WKSG 165 FT	500	2.00	6	1,285.770	6098562
WKSG 166 FT	600	2.00	6	1,401.040	6098566

Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Wide span cable tray system, perforated, with a side height of 160 mm.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 162 FT	6000	200	302
WKSG 163 FT	6000	300	455
WKSG 164 FT	6000	400	608
WKSG 165 FT	6000	500	761
WKSG 166 FT	6000	600	914

Dimensions

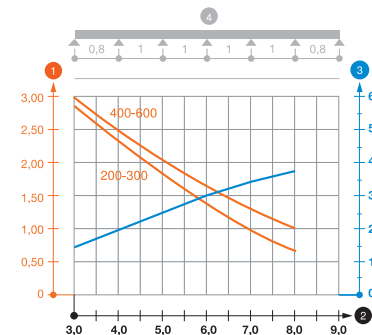


	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 162 FT	1.8	1.4	1	0.7
WKSG 163 FT	1.8	1.4	1	0.7
WKSG 164 FT	2	1.6	1.3	1
WKSG 165 FT	2	1.6	1.3	1
WKSG 166 FT	2	1.6	1.3	1

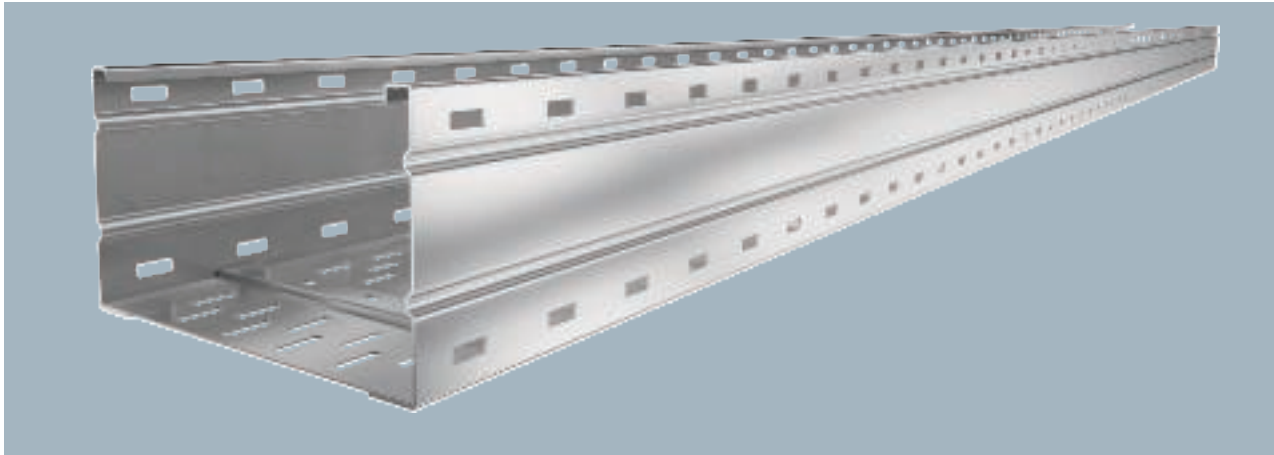
Load diagram, wide span cable tray, type WKSG 160

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



Wide span cable tray WKSG 160

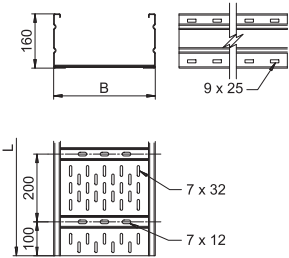


Straight connectors of type WRVL 160 should be ordered separately and in the appropriate quantity.

Wide span cable tray system, perforated, with a side height of 160 mm.

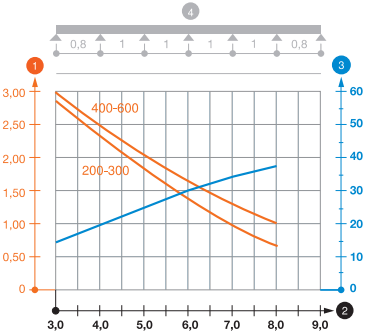
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKSG 162 A2	200	2.00	6	895.067	6098571
WKSG 163 A2	300	2.00	6	1,003.167	6098573
WKSG 164 A2	400	2.00	6	1,108.333	6098575
WKSG 165 A2	500	2.00	6	1,216.417	6098577
WKSG 166 A2	600	2.00	6	1,324.170	6098579

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKSG 162 A2	6000	200	302
WKSG 163 A2	6000	300	455
WKSG 164 A2	6000	400	608
WKSG 165 A2	6000	500	761
WKSG 166 A2	6000	600	914

Load



	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKSG 162 A2	2.9	2.3	1.8	1.4	1	0.7
WKSG 163 A2	2.9	2.3	1.8	1.4	1	0.7
WKSG 164 A2	3	2.5	2	1.6	1.3	1
WKSG 165 A2	3	2.5	2	1.6	1.3	1
WKSG 166 A2	3	2.5	2	1.6	1.3	1

Load diagram, wide span cable tray, type WKSG 160

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable trays, marine standard

The OBO cable trays meet the highest requirements in shipbuilding, because we use particularly high-quality materials: Whether stainless steel or aluminium, electrogalvanised or hot-dip galvanised – all the components are always perfectly manufactured.

FS

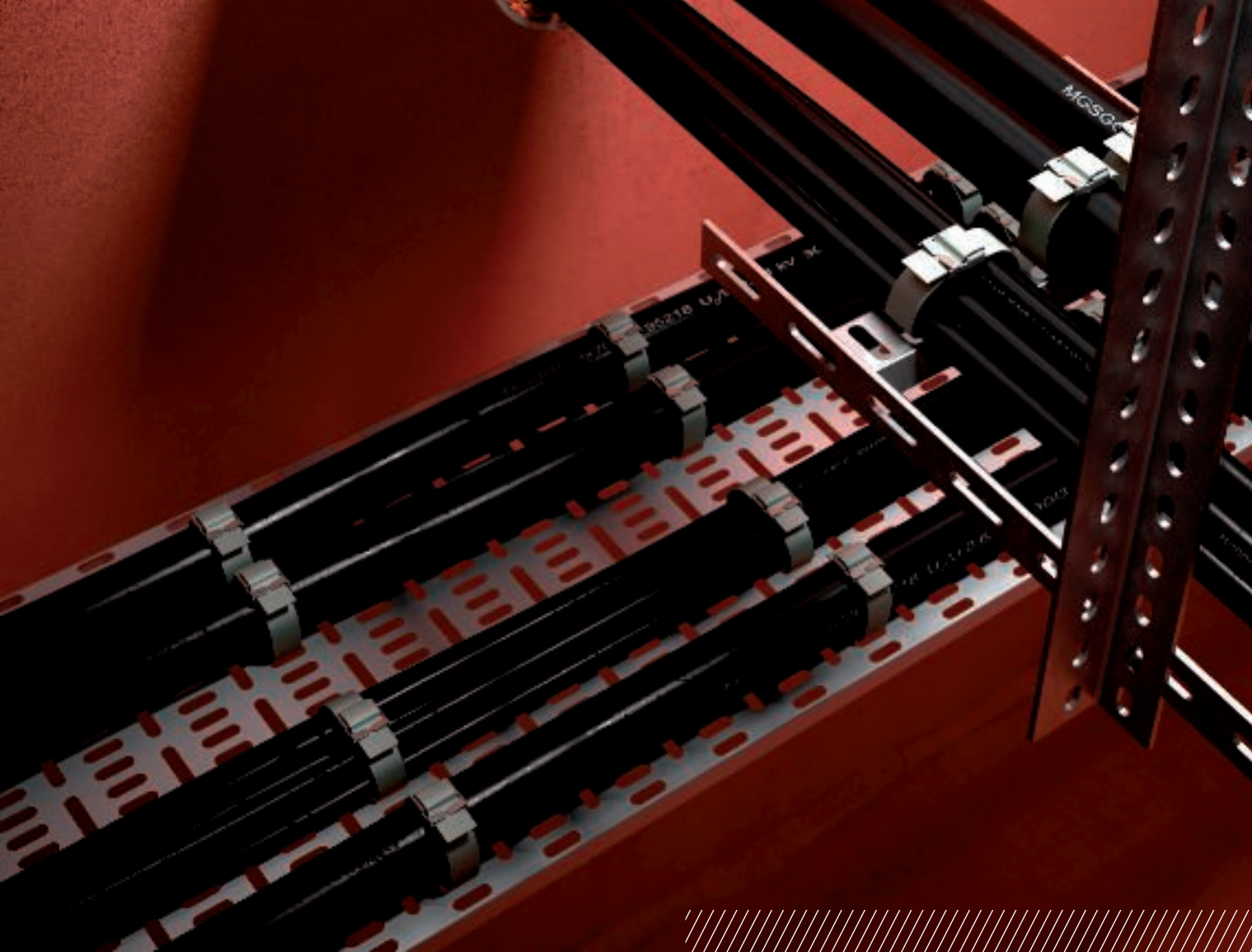
FT

A2

A4

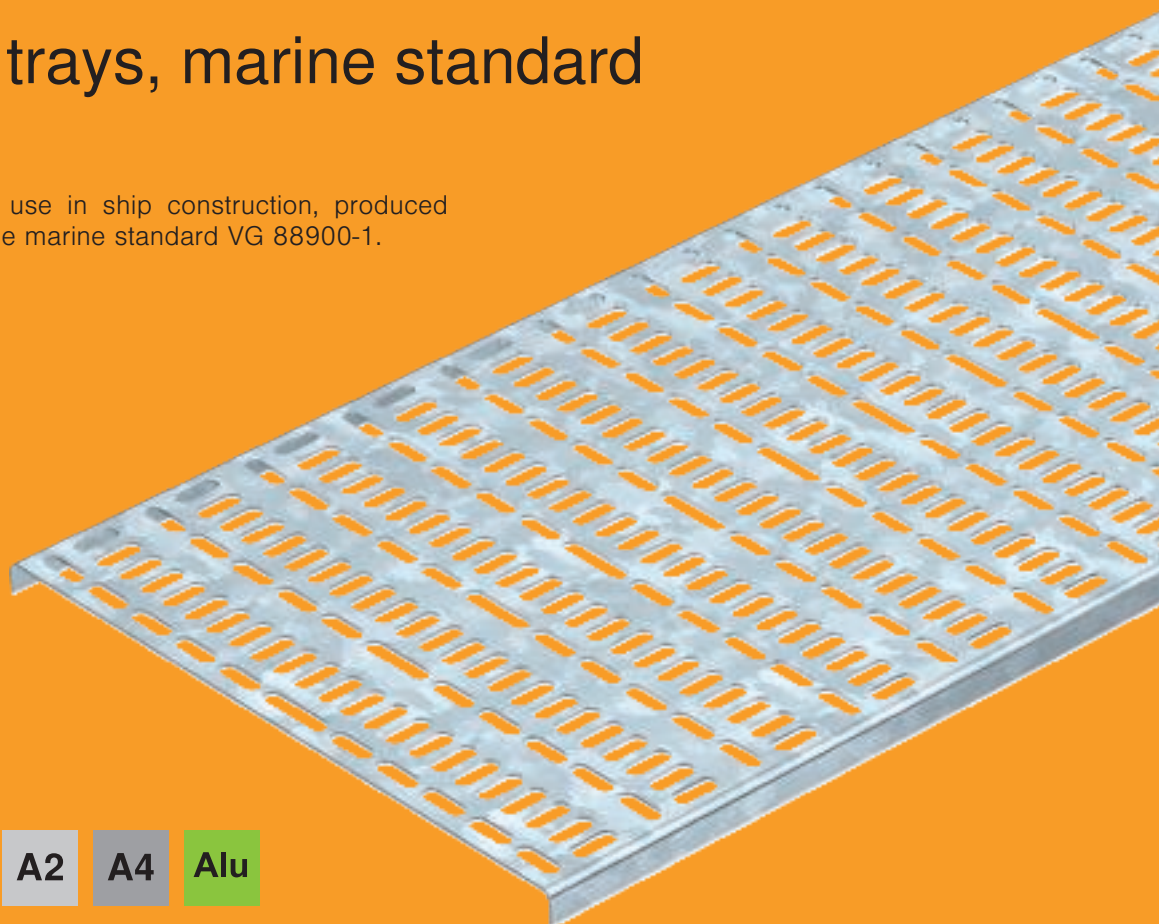
Alu

Spring chucks and tightening straps are available for simple installation and the latter are available in rolls or fixed lengths.



Cable trays, marine standard

Cable tray for use in ship construction, produced according to the marine standard VG 88900-1.



FS

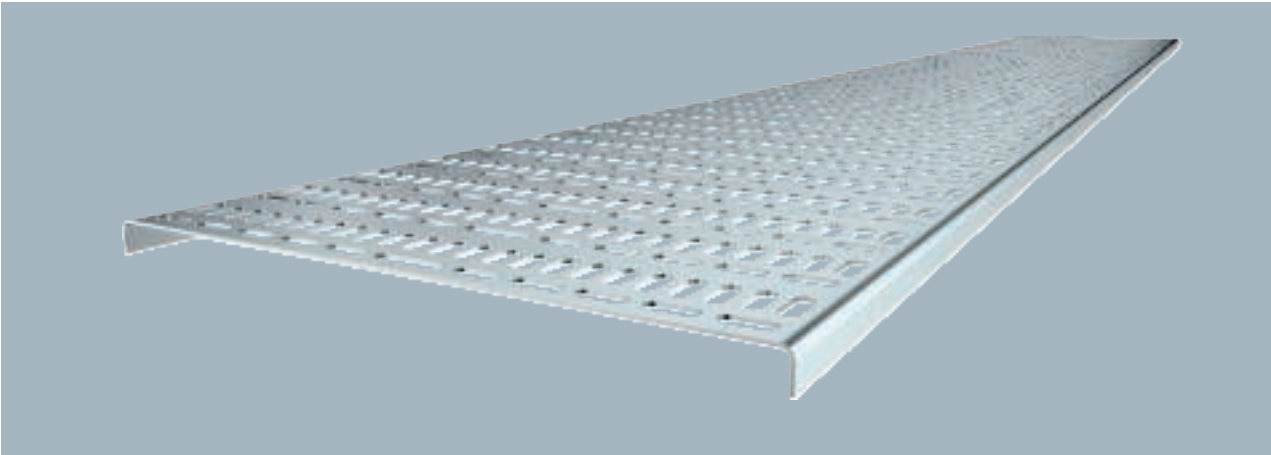
FT

A2

A4

Alu

Cable tray, marine standard MKR 15

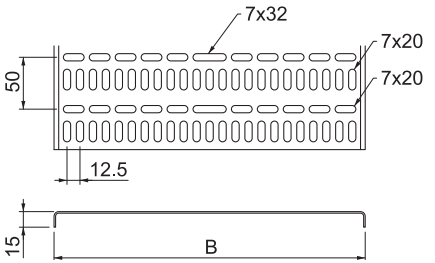


Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKR 15 050 FS	50	1.00	2	49.400	6045952
MKR 15 075 FS	75	1.00	2	63.700	6045960
MKR 15 100 FS	100	1.00	2	75.850	6045979
MKR 15 150 FS	150	1.00	2	102.800	6045995
MKR 15 200 FS	200	1.00	2	129.850	6046002

Cable tray for use in ship construction, produced according to the marine standard VG 88900-1.

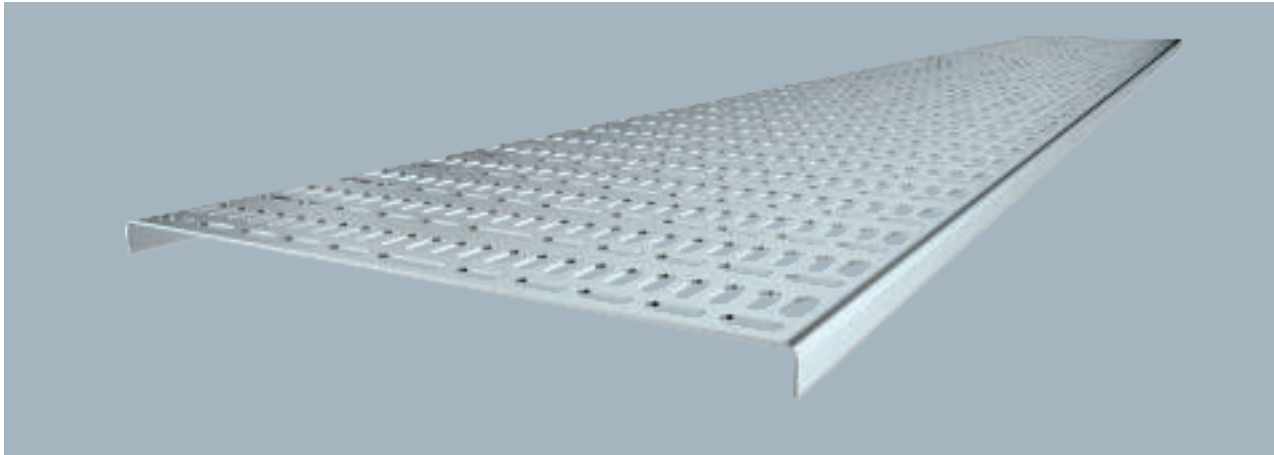
Type	Length mm	Dim. B mm	Side height mm
MKR 15 050 FS	2000	50	15
MKR 15 075 FS	2000	75	15
MKR 15 100 FS	2000	100	15
MKR 15 150 FS	2000	150	15
MKR 15 200 FS	2000	200	15

Dimensions



St FS

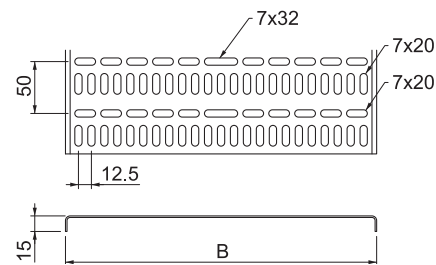
Cable tray, marine standard MKR 15



Cable tray for use in ship construction, produced according to the marine standard VG 88900-1.

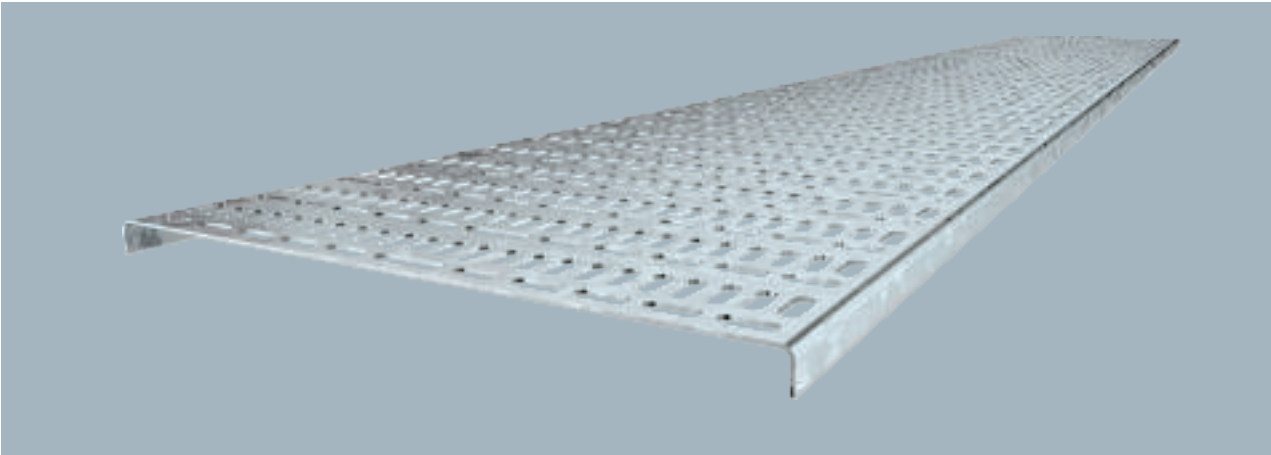
Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKR 15 050 FS	50	1.25	2	61.500	6046370
MKR 15 075 FS	75	1.25	2	78.500	6046372
MKR 15 100 FS	100	1.25	2	94.650	6046374
MKR 15 125 FS	125	1.25	2	113.400	6046375
MKR 15 150 FS	150	1.50	2	154.100	6046376
MKR 15 200 FS	200	1.50	2	194.700	6046004
MKR 15 250 FS	250	1.50	2	235.250	6046379
MKR 15 300 FS	300	1.50	2	275.850	6046029
MKR 15 400 FS	400	1.50	2	357.000	6046037

Dimensions



Type	Length mm	Dim. B mm	Side height mm
MKR 15 050 FS	2000	50	15
MKR 15 075 FS	2000	75	15
MKR 15 100 FS	2000	100	15
MKR 15 125 FS	2000	125	15
MKR 15 150 FS	2000	150	15
MKR 15 200 FS	2000	200	15
MKR 15 250 FS	2000	250	15
MKR 15 300 FS	2000	300	15
MKR 15 400 FS	2000	400	15

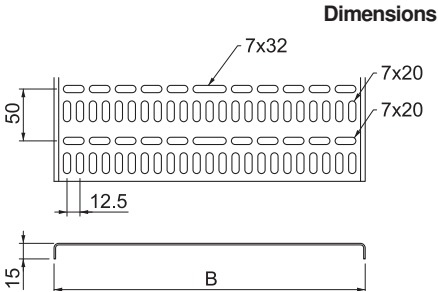
Cable tray, marine standard MKR 15



Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKR 15 050 FT	50	1.25	2	66.750	6045057
MKR 15 075 FT	75	1.25	2	85.950	6045073
MKR 15 100 FT	100	1.25	2	102.200	6045103
MKR 15 125 FT	125	1.25	2	122.450	6045138
MKR 15 150 FT	150	1.50	2	164.350	6045154
MKR 15 200 FT	200	1.50	2	207.600	6045200
MKR 15 250 FT	250	1.50	2	250.900	6045251
MKR 15 300 FT	300	1.50	2	294.150	6045308

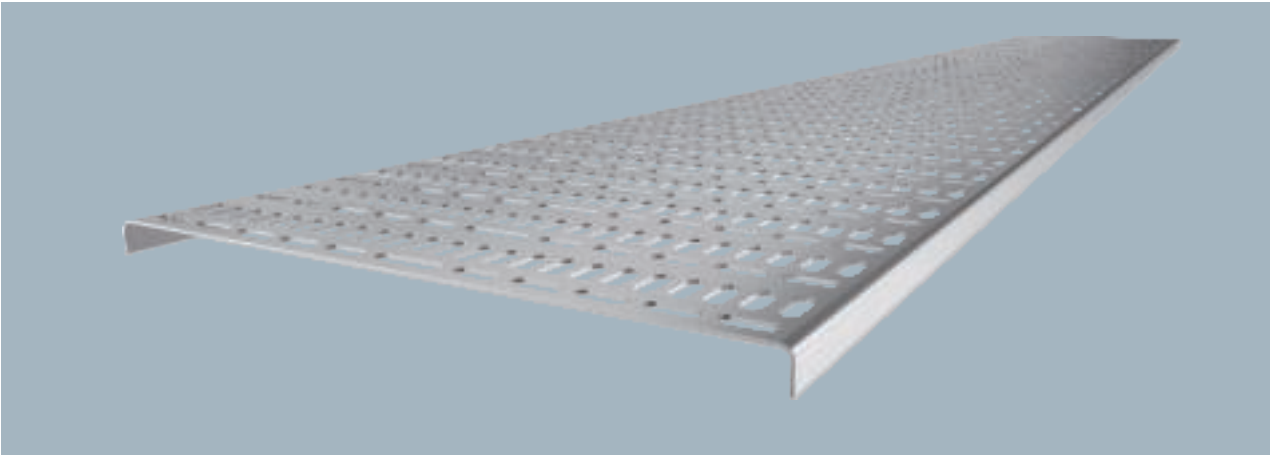
Cable tray for use in ship construction, produced according to the marine standard VG 88900-1.

Type	Length mm	Dim. B mm	Side height mm
MKR 15 050 FT	2000	50	15
MKR 15 075 FT	2000	75	15
MKR 15 100 FT	2000	100	15
MKR 15 125 FT	2000	125	15
MKR 15 150 FT	2000	150	15
MKR 15 200 FT	2000	200	15
MKR 15 250 FT	2000	250	15
MKR 15 300 FT	2000	300	15



Alu

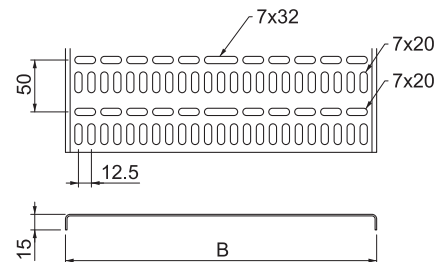
Cable tray, marine standard MKR 15



Cable tray for use in ship construction, produced according to the marine standard VG 88900-1.

Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
MKR 15 050 ALU	50	1.50	2	25.500	6045707
MKR 15 075 ALU	75	1.50	2	32.850	6045715
MKR 15 100 ALU	100	1.50	2	39.050	6045723
MKR 15 125 ALU	125	1.50	2	46.850	6045731
MKR 15 150 ALU	150	1.50	2	53.000	6045758
MKR 15 200 ALU	200	2.00	2	89.300	6045766
MKR 15 250 ALU	250	2.00	2	107.900	6045774
MKR 15 300 ALU	300	2.00	2	126.500	6045782

Dimensions

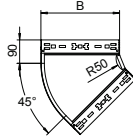


Type	Length mm	Dim. B mm	Side height mm
MKR 15 050 ALU	2000	50	15
MKR 15 075 ALU	2000	75	15
MKR 15 100 ALU	2000	100	15
MKR 15 125 ALU	2000	125	15
MKR 15 150 ALU	2000	150	15
MKR 15 200 ALU	2000	200	15
MKR 15 250 ALU	2000	250	15
MKR 15 300 ALU	2000	300	15

Horizontal bends, plug connection

45° Magic bend 35

St FS

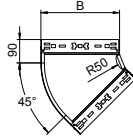


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 45 310 FS	35	100	1	40.800	6041000
RBM 45 320 FS	35	200	1	74.500	6041002
RBM 45 330 FS	35	300	1	114.600	6041004

45° bend with quick connector system. For all cable tray types of 35 mm side height.

45° Magic bend 60

St FS FT

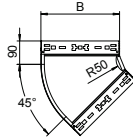


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 45 610 FS	60	100	1	50.400	6041040
RBM 45 615 FS	60	150	1	67.300	6041042
RBM 45 620 FS	60	200	1	85.500	6041044
RBM 45 630 FS	60	300	1	127.700	6041046
RBM 45 640 FS	60	400	1	174.800	6041048
RBM 45 650 FS	60	500	1	232.700	6041050
RBM 45 660 FS	60	600	1	298.300	6041052
RBM 45 610 FT	60	100	1	54.000	6041060
RBM 45 615 FT	60	150	1	72.200	6041062
RBM 45 620 FT	60	200	1	92.400	6041064
RBM 45 630 FT	60	300	1	137.800	6041066
RBM 45 640 FT	60	400	1	189.100	6041068
RBM 45 650 FT	60	500	1	249.500	6041070
RBM 45 660 FT	60	600	1	319.900	6041072

45° bend with quick connector system. For all cable tray types of 60 mm side height.

45° Magic bend 60

VA 2B

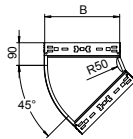


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 45 610 A2	60	100	1	50.400	6041080
RBM 45 620 A2	60	200	1	85.500	6041084
RBM 45 630 A2	60	300	1	127.700	6041086
RBM 45 640 A2	60	400	1	174.000	6041088

45° bend with quick connector system. For all cable tray types of 60 mm side height.

45° Magic bend 110

St FS FT



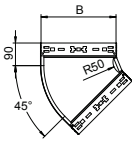
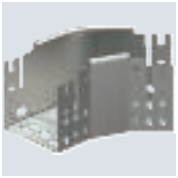
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 45 110 FS	110	100	1	70.500	6041750
RBM 45 115 FS	110	150	1	89.300	6041751
RBM 45 120 FS	110	200	1	109.900	6041752
RBM 45 130 FS	110	300	1	156.100	6041754
RBM 45 140 FS	110	400	1	206.500	6041756
RBM 45 150 FS	110	500	1	268.300	6041758
RBM 45 160 FS	110	600	1	337.700	6041760
RBM 45 110 FT	110	100	1	75.600	6041780
RBM 45 115 FT	110	150	1	95.800	6041781
RBM 45 120 FT	110	200	1	117.900	6041782
RBM 45 130 FT	110	300	1	167.400	6041784
RBM 45 140 FT	110	400	1	221.400	6041786
RBM 45 150 FT	110	500	1	287.700	6041788
RBM 45 160 FT	110	600	1	362.100	6041790

45° bend with quick connector system. For all cable tray types of 110 mm side height.

VA

45° Magic bend 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 45 110 A2	110	100	1	70.500	6041800
RBM 45 120 A2	110	200	1	109.900	6041802
RBM 45 130 A2	110	300	1	156.100	6041804
RBM 45 140 A2	110	400	1	206.500	6041806

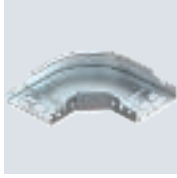
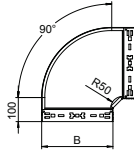


45° bend with quick connector system. For all cable tray types of 110 mm side height.

Horizontal bends, plug connection

90° Magic bend 35

St FS

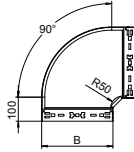


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 310 FS	35	100	1	53.700	6041010
RBM 90 320 FS	35	200	1	106.200	6041012
RBM 90 330 FS	35	300	1	173.000	6041014

90° bend with quick connector system. For all cable tray types of 35 mm side height.

90° Magic bend 60

St FS FT

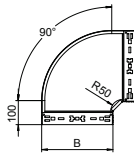


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 610 FS	60	100	1	65.700	6041130
RBM 90 615 FS	60	150	1	91.900	6041132
RBM 90 620 FS	60	200	1	121.900	6041134
RBM 90 630 FS	60	300	1	192.200	6041136
RBM 90 640 FS	60	400	1	274.700	6041138
RBM 90 650 FS	60	500	1	376.300	6041140
RBM 90 660 FS	60	600	1	487.000	6041142
RBM 90 610 FT	60	100	1	70.700	6041150
RBM 90 615 FT	60	150	1	99.300	6041152
RBM 90 620 FT	60	200	1	131.300	6041154
RBM 90 630 FT	60	300	1	207.500	6041156
RBM 90 640 FT	60	400	1	296.300	6041158
RBM 90 650 FT	60	500	1	406.300	6041160
RBM 90 660 FT	60	600	1	532.300	6041162

90° bend with quick connector system. For all cable tray types of 60 mm side height.

90° Magic bend 60

VA VA 2B



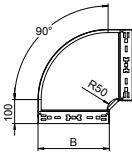
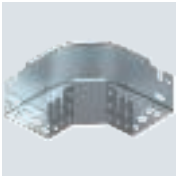
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 610 A2	60	100	1	65.700	6041180
RBM 90 615 A2	60	150	1	91.900	6041182
RBM 90 620 A2	60	200	1	121.900	6041184
RBM 90 630 A2	60	300	1	192.200	6041186
RBM 90 640 A2	60	400	1	274.700	6041188
RBM 90 650 A2	60	500	1	376.300	6041190
RBM 90 660 A2	60	600	1	493.000	6041192
RBM 90 610 A4	60	100	1	65.700	6041200
RBM 90 615 A4	60	150	1	91.900	6041202
RBM 90 620 A4	60	200	1	121.900	6041204
RBM 90 630 A4	60	300	1	192.200	6041206
RBM 90 640 A4	60	400	1	274.700	6041208
RBM 90 650 A4	60	500	1	376.300	6041210
RBM 90 660 A4	60	600	1	493.000	6041212

90° bend with quick connector system. For all cable tray types of 60 mm side height.

St FS FT

90° Magic bend 85

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 810 FS	85	100	1	78.500	6041490
RBM 90 820 FS	85	200	1	138.200	6041492
RBM 90 830 FS	85	300	1	213.300	6041494
RBM 90 840 FS	85	400	1	299.700	6041496
RBM 90 850 FS	85	500	1	405.300	6041498
RBM 90 860 FS	85	600	1	526.400	6041500
RBM 90 810 FT	85	100	1	84.200	6041510
RBM 90 820 FT	85	200	1	148.700	6041512
RBM 90 830 FT	85	300	1	228.700	6041514
RBM 90 840 FT	85	400	1	321.400	6041516
RBM 90 850 FT	85	500	1	434.600	6041518
RBM 90 860 FT	85	600	1	564.500	6041520

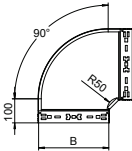
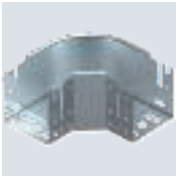


90° bend with quick connector system. For all cable tray types of 85 mm side height.

St FS FT

90° Magic bend 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 110 FS	110	100	1	90.900	6041840
RBM 90 115 FS	110	150	1	121.000	6041841
RBM 90 120 FS	110	200	1	154.900	6041842
RBM 90 130 FS	110	300	1	233.400	6041844
RBM 90 140 FS	110	400	1	323.600	6041846
RBM 90 150 FS	110	500	1	433.100	6041848
RBM 90 160 FS	110	600	1	558.000	6041850
RBM 90 110 FT	110	100	1	97.500	6041860
RBM 90 115 FT	110	150	1	129.800	6041861
RBM 90 120 FT	110	200	1	166.100	6041862
RBM 90 130 FT	110	300	1	250.300	6041864
RBM 90 140 FT	110	400	1	347.000	6041866
RBM 90 150 FT	110	500	1	464.400	6041868
RBM 90 160 FT	110	600	1	598.400	6041870

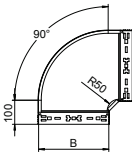
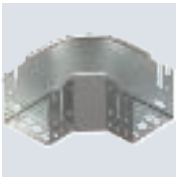


90° bend with quick connector system. For all cable tray types of 110 mm side height.

VA 2B

90° Magic bend 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBM 90 110 A2	110	100	1	90.900	6041880
RBM 90 120 A2	110	200	1	154.900	6041882
RBM 90 130 A2	110	300	1	233.400	6041884
RBM 90 140 A2	110	400	1	323.600	6041886
RBM 90 150 A2	110	500	1	433.100	6041888
RBM 90 160 A2	110	600	1	558.000	6041890



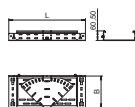
90° bend with quick connector system. For all cable tray types of 110 mm side height.



Horizontal bends, plug connection

Magic 60 bend, variable

St FS FT

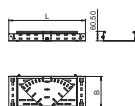


Type	Side height mm	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
RBMV 610 FS	60	100	340	1	76.400	6040480
RBMV 615 FS	60	150	420	1	117.100	6040482
RBMV 620 FS	60	200	490	1	163.600	6040484
RBMV 630 FS	60	300	640	1	291.700	6040486
RBMV 640 FS	60	400	820	1	578.000	6040488
RBMV 650 FS	60	500	960	1	986.000	6040490
RBMV 660 FS	60	600	1120	1	1,347.200	6040492
RBMV 610 FT	60	100	340	1	83.700	6040500
RBMV 615 FT	60	150	420	1	128.900	6040502
RBMV 620 FT	60	200	490	1	179.500	6040504
RBMV 630 FT	60	300	640	1	386.300	6040506
RBMV 640 FT	60	400	820	1	614.000	6040508
RBMV 650 FT	60	500	960	1	1,083.700	6040510
RBMV 660 FT	60	600	1120	1	1,480.900	6040512

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 60 mm side height.

Magic 60 bend, variable

VA VA 2B

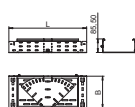


Type	Side height mm	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
RBMV 610 A2	60	100	340	1	76.400	6040520
RBMV 620 A2	60	200	490	1	163.600	6040524
RBMV 630 A2	60	300	640	1	386.300	6040526
RBMV 640 A2	60	400	820	1	578.000	6040528
RBMV 650 A2	60	500	960	1	986.000	6040530
RBMV 660 A2	60	600	1120	1	1,347.200	6040532
RBMV 610 A4	60	100	340	1	76.100	6040540
RBMV 615 A4	60	150	420	1	117.100	6040542
RBMV 620 A4	60	200	490	1	163.200	6040544
RBMV 630 A4	60	300	640	1	360.200	6040546
RBMV 640 A4	60	400	820	1	577.600	6040548
RBMV 650 A4	60	500	960	1	986.500	6040550
RBMV 660 A4	60	600	1120	1	1,346.800	6040552

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 60 mm side height.

Magic 85 bend, variable

St FS FT



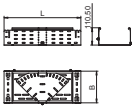
Type	Side height mm	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
RBMV 810 FS	85	100	340	1	88.500	6040580
RBMV 820 FS	85	200	490	1	185.400	6040584
RBMV 830 FS	85	300	640	1	324.700	6040586
RBMV 840 FS	85	400	820	1	505.500	6040588
RBMV 850 FS	85	500	960	1	1,059.200	6040590
RBMV 860 FS	85	600	1120	1	1,433.700	6040592
RBMV 810 FT	85	100	340	1	100.000	6040600
RBMV 820 FT	85	200	490	1	202.200	6040604
RBMV 830 FT	85	300	640	1	430.300	6040606
RBMV 840 FT	85	400	820	1	676.200	6040608
RBMV 850 FT	85	500	960	1	1,167.800	6040610
RBMV 860 FT	85	600	1120	1	1,520.100	6040612

Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 85 mm side height.

St FS FT

Magic 110 bend, variable

Type	Side height mm	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
RBMV 110 FS	110	100	340	1	103.900	6040680
RBMV 115 FS	110	150	420	1	152.200	6040682
RBMV 120 FS	110	200	490	1	209.200	6040684
RBMV 130 FS	110	300	640	1	357.800	6040686
RBMV 140 FS	110	400	820	1	548.400	6040688
RBMV 150 FS	110	500	960	1	1,134.000	6040690
RBMV 110 FT	110	100	340	1	117.600	6040700
RBMV 115 FT	110	150	420	1	170.500	6040702
RBMV 120 FT	110	200	490	1	228.100	6040704
RBMV 130 FT	110	300	640	1	474.400	6040706
RBMV 140 FT	110	400	820	1	733.500	6040708
RBMV 160 FT	110	600	1120	1	1,614.200	6040712

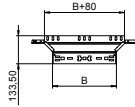


Magic bend 0°–90°, variable, with quick connector system. For all cable tray types of 110 mm side height.



Magic 35 add-on tee

St FS

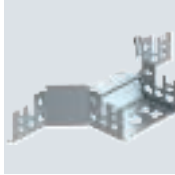
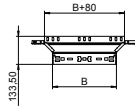


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 310 FS	35	100	1	30.700	6041020
RAAM 320 FS	35	200	1	43.400	6041022
RAAM 330 FS	35	300	1	56.300	6041024

Add-on tee with quick connector system. For all cable tray types of 35 mm side height.

Add-on tee 60

St FS FT

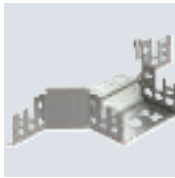
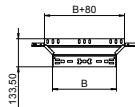


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 610 FS	60	100	1	37.700	6041230
RAAM 615 FS	60	150	1	42.046	6041232
RAAM 620 FS	60	200	1	50.100	6041234
RAAM 630 FS	60	300	1	62.900	6041236
RAAM 640 FS	60	400	1	75.700	6041238
RAAM 650 FS	60	500	1	89.300	6041240
RAAM 660 FS	60	600	1	102.700	6041242
RAAM 610 FT	60	100	1	40.800	6041250
RAAM 615 FT	60	150	1	47.500	6041252
RAAM 620 FT	60	200	1	54.200	6041254
RAAM 630 FT	60	300	1	68.000	6041257
RAAM 640 FT	60	400	1	81.800	6041259
RAAM 650 FT	60	500	1	105.400	6041261
RAAM 660 FT	60	600	1	110.100	6041263

Magic add-on tee with quick connector system. For all cable tray types of 60 mm side height.

Magic add-on tee 60

VA VA 2B



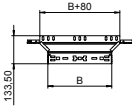
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 610 A2	60	100	1	37.700	6041270
RAAM 615 A2	60	150	1	44.300	6041271
RAAM 620 A2	60	200	1	50.100	6041275
RAAM 630 A2	60	300	1	62.900	6041277
RAAM 640 A2	60	400	1	75.700	6041279
RAAM 650 A2	60	500	1	89.300	6041282
RAAM 660 A2	60	600	1	102.700	6041284
RAAM 610 A4	60	100	1	37.700	6041290
RAAM 620 A4	60	200	1	50.100	6041294
RAAM 630 A4	60	300	1	62.900	6041296
RAAM 640 A4	60	400	1	75.700	6041298
RAAM 650 A4	60	500	1	89.300	6041300
RAAM 660 A4	60	600	1	102.700	6041303

Add-on tee with quick connector system. For all cable tray types of 60 mm side height.

St FS FT

Magic 85 add-on tee

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 810 FS	85	100	1	45.700	6041570
RAAM 820 FS	85	200	1	58.400	6041572
RAAM 830 FS	85	300	1	71.300	6041574
RAAM 840 FS	85	400	1	84.300	6041576
RAAM 850 FS	85	500	1	97.100	6041578
RAAM 860 FS	85	600	1	110.500	6041580
RAAM 810 FT	85	100	1	49.000	6041590
RAAM 820 FT	85	200	1	62.600	6041592
RAAM 830 FT	85	300	1	76.500	6041594
RAAM 840 FT	85	400	1	90.400	6041596
RAAM 850 FT	85	500	1	104.100	6041598
RAAM 860 FT	85	600	1	118.500	6041600

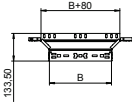


Add-on tee with quick connector system. For all cable tray types of 85 mm side height.

St FS FT

Magic 110 add-on tee

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 110 FS	110	100	1	53.700	6041920
RAAM 115 FS	110	150	1	60.000	6041921
RAAM 120 FS	110	200	1	66.300	6041922
RAAM 130 FS	110	300	1	79.200	6041924
RAAM 140 FS	110	400	1	92.200	6041926
RAAM 150 FS	110	500	1	105.100	6041928
RAAM 160 FS	110	600	1	118.400	6041930
RAAM 110 FT	110	100	1	57.600	6041940
RAAM 115 FT	110	150	1	64.300	6041941
RAAM 120 FT	110	200	1	71.100	6041942
RAAM 130 FT	110	300	1	84.900	6041944
RAAM 140 FT	110	400	1	98.900	6041946
RAAM 150 FT	110	500	1	112.700	6041948
RAAM 160 FT	110	600	1	127.000	6041950

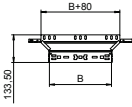


Add-on tee with quick connector system. For all cable tray types of 110 mm side height.

VA 2B

Magic 110 add-on tee

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAAM 110 A2	110	100	1	53.700	6041960
RAAM 120 A2	110	200	1	66.300	6041962
RAAM 130 A2	110	300	1	79.200	6041964
RAAM 140 A2	110	400	1	92.200	6041966
RAAM 150 A2	110	500	1	105.100	6041968
RAAM 160 A2	110	600	1	118.400	6041970



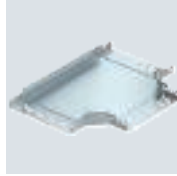
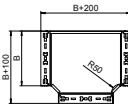
Add-on tee with quick connector system. For all cable tray types of 110 mm side height.



T pieces, plug connection

Magic 35 tee

St FS

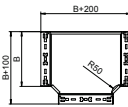


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 310 FS	35	100	1	69.400	6041030
RTM 320 FS	35	200	1	134.000	6041032
RTM 330 FS	35	300	1	216.600	6041034

T branch piece with quick connector system. For all cable tray types of 35 mm side height.

Magic 60 T branch piece

St FS FT

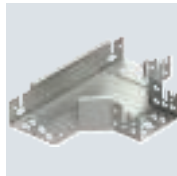
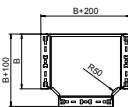


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 610 FS	60	100	1	83.600	6041320
RTM 615 FS	60	150	1	114.700	6041322
RTM 620 FS	60	200	1	150.600	6041324
RTM 630 FS	60	300	1	234.500	6041326
RTM 640 FS	60	400	1	335.600	6041328
RTM 650 FS	60	500	1	458.500	6041330
RTM 660 FS	60	600	1	605.000	6041332
RTM 610 FT	60	100	1	89.600	6041340
RTM 615 FT	60	150	1	123.000	6041342
RTM 620 FT	60	200	1	161.500	6041344
RTM 630 FT	60	300	1	253.300	6041348
RTM 640 FT	60	400	1	359.900	6041350
RTM 650 FT	60	500	1	495.100	6041352
RTM 660 FT	60	600	1	648.800	6041354

Tee branch piece with quick connector system. For all cable tray types of 60 mm side height.

Magic 60 T branch piece

VA VA 2B



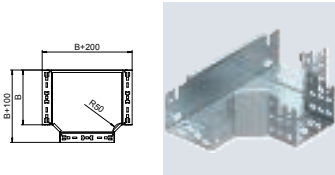
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 610 A2	60	100	1	83.600	6041360
RTM 620 A2	60	200	1	150.600	6041365
RTM 630 A2	60	300	1	234.500	6041367
RTM 640 A2	60	400	1	335.600	6041369
RTM 650 A2	60	500	1	458.500	6041371
RTM 660 A2	60	600	1	605.000	6041373
RTM 610 A4	60	100	1	83.600	6041380
RTM 620 A4	60	200	1	150.600	6041384
RTM 630 A4	60	300	1	234.500	6041386
RTM 640 A4	60	400	1	335.600	6041388
RTM 650 A4	60	500	1	458.500	6041390
RTM 660 A4	60	600	1	605.000	6041392

Magic Tee branch piece with quick connector system. For all cable tray types of 60 mm side height.

St FS FT

Magic 85 T branch piece

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 810 FS	85	100	1	98.700	6041660
RTM 820 FS	85	200	1	168.200	6041662
RTM 830 FS	85	300	1	255.800	6041664
RTM 840 FS	85	400	1	358.100	6041666
RTM 850 FS	85	500	1	485.400	6041668
RTM 860 FS	85	600	1	632.400	6041670
RTM 810 FT	85	100	1	105.800	6041680
RTM 820 FT	85	200	1	180.400	6041682
RTM 830 FT	85	300	1	274.300	6041684
RTM 840 FT	85	400	1	384.000	6041686
RTM 850 FT	85	500	1	520.500	6041688
RTM 860 FT	85	600	1	678.200	6041690

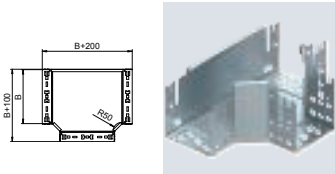


Tee with quick connector system. For all cable tray types of 85 mm side height.

St FS FT

Magic 110 tee

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 110 FS	110	100	1	113.600	6042010
RTM 115 FS	110	150	1	147.200	6042011
RTM 120 FS	110	200	1	185.500	6042012
RTM 130 FS	110	300	1	275.600	6042014
RTM 140 FS	110	400	1	380.300	6042018
RTM 150 FS	110	500	1	510.100	6042020
RTM 160 FS	110	600	1	659.500	6042022
RTM 110 FT	110	100	1	121.800	6042030
RTM 115 FT	110	150	1	157.900	6042032
RTM 120 FT	110	200	1	198.900	6042034
RTM 130 FT	110	300	1	295.500	6042036
RTM 140 FT	110	400	1	407.800	6042038
RTM 150 FT	110	500	1	547.000	6042040
RTM 160 FT	110	600	1	707.200	6042042

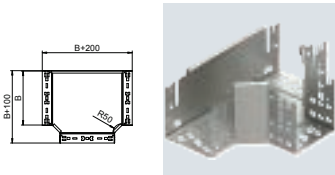


Tee with quick connector system. For all cable tray types of 110 mm side height.

VA 2B

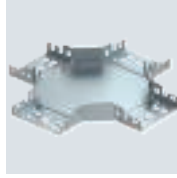
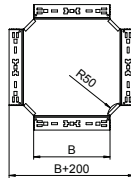
Magic 110 tee

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RTM 110 A2	110	100	1	113.600	6042050
RTM 120 A2	110	200	1	185.500	6042052
RTM 130 A2	110	300	1	275.600	6042054
RTM 140 A2	110	400	1	380.300	6042056
RTM 150 A2	110	500	1	510.100	6042060
RTM 160 A2	110	600	1	659.500	6042062



Tee with quick connector system. For all cable tray types of 110 mm side height.

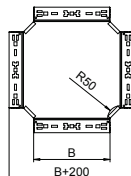
Magic 35 cross-over



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 310 FS	35	100	1	78.500	7027241
RKM 320 FS	35	200	1	146.300	7027243
RKM 330 FS	35	300	1	231.200	7027245

Cross-over with quick connector system. For all cable tray types of 35 mm side height.

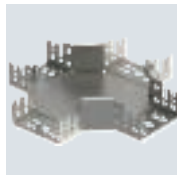
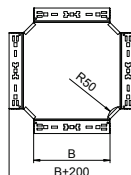
Magic 60 cross-over



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 610 FS	60	100	1	92.500	7027001
RKM 615 FS	60	150	1	123.800	7027003
RKM 620 FS	60	200	1	159.800	7027005
RKM 630 FS	60	300	1	244.600	7027007
RKM 640 FS	60	400	1	343.400	7027009
RKM 650 FS	60	500	1	468.300	7027011
RKM 660 FS	60	600	1	610.100	7027013
RKM 610 FT	60	100	1	100.000	7027021
RKM 620 FT	60	200	1	172.700	7027025
RKM 630 FT	60	300	1	264.300	7027027
RKM 640 FT	60	400	1	368.200	7027029
RKM 650 FT	60	500	1	502.200	7027031
RKM 660 FT	60	600	1	658.800	7027033

Cross-over with quick connector system. For all cable tray types of 60 mm side height.

Magic 60 cross-over



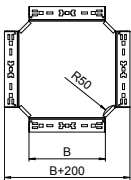
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 610 A2	60	100	1	92.500	7027041
RKM 620 A2	60	200	1	159.800	7027045
RKM 630 A2	60	300	1	244.600	7027047
RKM 640 A2	60	400	1	343.400	7027049
RKM 650 A2	60	500	1	466.000	7027051
RKM 660 A2	60	600	1	610.100	7027053
RKM 610 A4	60	100	1	92.500	7027061
RKM 620 A4	60	200	1	159.800	7027065
RKM 630 A4	60	300	1	244.600	7027067
RKM 640 A4	60	400	1	343.400	7027069
RKM 650 A4	60	500	1	466.000	7027071
RKM 660 A4	60	600	1	610.100	7027073

Cross-over with quick connector system. For all cable tray types of 60 mm side height.

St FS FT

Magic 85 cross-over

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 810 FS	85	100	1	108.700	7027081
RKM 820 FS	85	200	1	176.300	7027085
RKM 830 FS	85	300	1	261.600	7027087
RKM 840 FS	85	400	1	358.900	7027089
RKM 850 FS	85	500	1	483.800	7027091
RKM 860 FS	85	600	1	628.400	7027093
RKM 810 FT	85	100	1	116.600	7027101
RKM 820 FT	85	200	1	189.100	7027105
RKM 830 FT	85	300	1	280.500	7027107
RKM 840 FT	85	400	1	384.900	7027109
RKM 850 FT	85	500	1	518.900	7027111
RKM 860 FT	85	600	1	673.900	7027113

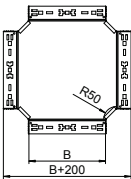
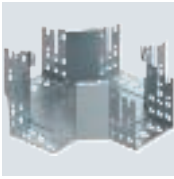


Cross-over with quick connector system. For all cable tray types of 85 mm side height.

St FS FT

Magic 110 cross-over

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 110 FS	110	100	1	124.700	7027161
RKM 115 FS	110	150	1	156.100	7027163
RKM 120 FS	110	200	1	192.300	7027165
RKM 130 FS	110	300	1	277.600	7027167
RKM 140 FS	110	400	1	374.800	7027169
RKM 150 FS	110	500	1	499.800	7027171
RKM 160 FS	110	600	1	644.300	7027173
RKM 110 FT	110	100	1	133.700	7027181
RKM 115 FT	110	150	1	167.400	7027183
RKM 120 FT	110	200	1	206.200	7027185
RKM 130 FT	110	300	1	297.700	7027187
RKM 140 FT	110	400	1	401.900	7027189
RKM 150 FT	110	500	1	536.000	7027191
RKM 160 FT	110	600	1	690.900	7027193

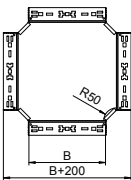
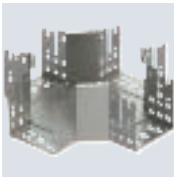


Cross-over with quick connector system. For all cable tray types of 110 mm side height.

VA 2B

Magic 110 cross-over

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RKM 110 A2	110	100	1	124.700	7027201
RKM 120 A2	110	200	1	192.300	7027205
RKM 130 A2	110	300	1	277.600	7027207
RKM 140 A2	110	400	1	374.800	7027209
RKM 150 A2	110	500	1	499.800	7027211
RKM 160 A2	110	600	1	644.300	7027213

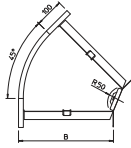


Cross-over with quick connector system. For all cable tray types of 110 mm side height.

Horizontal bends, screw connection

45° bend 35

St FS FT



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 45 310 FS	35	100	1	40.000	6043704
RB 45 320 FS	35	200	1	60.000	6043712
RB 45 330 FS	35	300	1	90.000	6043720
RB 45 310 FT	35	100	1	43.000	7065116
RB 45 315 FT	35	150	1	55.000	7065167
RB 45 320 FT	35	200	1	65.000	7065213
RB 45 330 FT	35	300	1	97.000	7065310

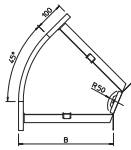
45° bend, horizontal, for all cable tray types of 35 mm side height.

The WKV 35 angle connector is designed for 90° bends and can be adjusted to 45° on site. The fitting is shipped in an unmounted state.

Including appropriate fastening material.

45° bend 60

St FS FT



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 45 610 FS	60	100	1	57.600	6043763
RB 45 615 FS	60	150	1	66.800	6043755
RB 45 620 FS	60	200	1	80.800	6043771
RB 45 630 FS	60	300	1	112.900	6043798
RB 45 610 FT	60	100	1	62.000	7066112
RB 45 615 FT	60	150	1	72.200	7066158
RB 45 620 FT	60	200	1	87.400	7066228
RB 45 630 FT	60	300	1	122.700	7066317

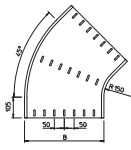
45° bend, horizontal, for all cable tray types of 60 mm side height.

The fitting is shipped in an unmounted state. The WKV 60 angle connector is designed for 90° bends and can be adjusted to 45° on site.

Including appropriate fastening material.

45° bend 60

St FS FT



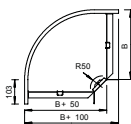
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 45 640 FS	60	400	1	301.000	7000383
RB 45 650 FS	60	500	1	385.900	7000405
RB 45 660 FS	60	600	1	480.400	7000421
RB 45 640 FT	60	400	1	301.000	7066406
RB 45 650 FT	60	500	1	412.800	7066503
RB 45 660 FT	60	600	1	515.600	7066600

45° bend, horizontal, for all cable tray types of 60 mm side height.

Fastening materials should be ordered separately.

90° bend 35

St FS FT



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 310 FS	35	100	1	31.100	6043119
RB 90 315 FS	35	150	1	65.000	6043123
RB 90 320 FS	35	200	1	64.300	6043127
RB 90 330 FS	35	300	1	112.300	6043135
RB 90 310 FT	35	100	1	48.000	7124120
RB 90 320 FT	35	200	1	98.000	7124236
RB 90 330 FT	35	300	1	150.000	7124325

90° bend, horizontal, for all cable tray types of 35 mm side height.

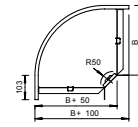
The fitting is shipped in an unmounted state.

Including appropriate fastening material.

St FS FT

90° bend 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 610 FS	60	100	1	71.900	6043216
RB 90 615 FS	60	150	1	88.400	6043208
RB 90 620 FS	60	200	1	110.300	6043224
RB 90 630 FS	60	300	1	167.400	6043232
RB 90 610 FT	60	100	1	77.600	7125100
RB 90 615 FT	60	150	1	89.500	7125189
RB 90 620 FT	60	200	1	119.600	7125220
RB 90 630 FT	60	300	1	181.200	7125305



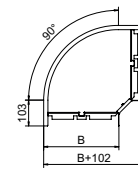
90° bend, horizontal, for all cable tray types of 60 mm side height.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.

VA 2B

90° bend 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 610 A2	60	100	1	125.000	7134122
RB 90 620 A2	60	200	1	110.400	7134130
RB 90 630 A2	60	300	1	166.600	7134138



90° bend, horizontal, for all cable tray types of 60 mm side height.

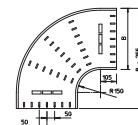
The 100 mm width has a rectangle shape and does not correspond to the image.

The fitting is shipped in an unmounted state.
Including appropriate fastening material.

St FS FT

90° bend 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 640 FS	60	400	1	472.300	7001290
RB 90 650 FS	60	500	1	527.000	7001304
RB 90 660 FS	60	600	1	680.000	7001312
RB 90 640 FT	60	400	1	507.000	7125410
RB 90 650 FT	60	500	1	559.000	7125526
RB 90 660 FT	60	600	1	721.500	7125585



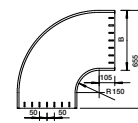
90° bend, horizontal, for all cable tray types of 60 mm side height.

Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

VA 2B

90° bend 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 640 A2	60	400	1	465.000	7134231
RB 90 650 A2	60	500	1	610.000	7134258
RB 90 660 A2	60	600	1	770.000	7134266



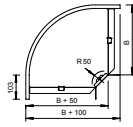
90° bend, horizontal and unperforated, for all cable tray types of 60 mm side height.

Fitting, unperforated, in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

Horizontal bends, screw connection

90° bend 85

St FS FT

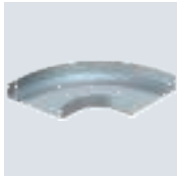
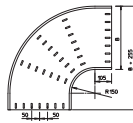


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 810 FS	85	100	1	65.000	7001762
RB 90 820 FS	85	200	1	150.000	7001789
RB 90 830 FS	85	300	1	180.000	7001800
RB 90 810 FT	85	100	1	70.000	7126127
RB 90 820 FT	85	200	1	160.000	7126216
RB 90 830 FT	85	300	1	200.000	7126301

90° bend, horizontal, for all cable tray types of 85 mm side height.
The fitting is shipped in an unmounted state.
Including appropriate fastening material.

90° bend 85

St FS FT

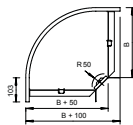


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 840 FS	85	400	1	500.000	7001819
RB 90 850 FS	85	500	1	650.000	7001835
RB 90 860 FS	85	600	1	820.000	7001851
RB 90 840 FT	85	400	1	540.000	7126417
RB 90 850 FT	85	500	1	690.000	7126514
RB 90 860 FT	85	600	1	870.000	7126611

90° bend, horizontal, for all cable tray types of 85 mm side height.
Fastening materials should be ordered separately.

90° bend 110

St FS FT

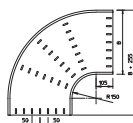


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 110 FS	110	100	1	80.000	7001894
RB 90 120 FS	110	200	1	140.000	7001916
RB 90 130 FS	110	300	1	210.000	7001932
RB 90 110 FT	110	100	1	85.000	7127103
RB 90 120 FT	110	200	1	150.000	7127227
RB 90 130 FT	110	300	1	230.000	7127320

90° bend, horizontal, for all cable tray types of 110 mm side height.
The fitting is shipped in an unmounted state.
Including appropriate fastening material.

90° bend 110

St FS FT



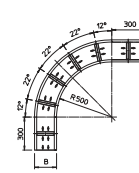
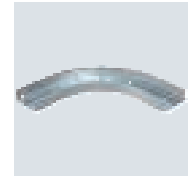
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RB 90 140 FS	110	400	1	540.000	7001940
RB 90 150 FS	110	500	1	700.000	7001967
RB 90 155 FS	110	550	1	780.000	7001975
RB 90 140 FT	110	400	1	575.000	7127413
RB 90 155 FT	110	550	1	840.000	7127545
RB 90 160 FT	110	600	1	855.000	7127627

90° bend, horizontal, for all cable tray types of 110 mm side height.
Fastening materials should be ordered separately.

St FS FT

90° bend 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
WRB 90 120 FS	110	200	1	1,145.500	6098304
WRB 90 130 FS	110	300	1	1,428.000	6098308
WRB 90 140 FS	110	400	1	1,652.400	6098312
WRB 90 150 FS	110	500	1	1,935.000	6098316
WRB 90 160 FS	110	600	1	2,234.000	6098320
WRB 90 120 FT	110	200	1	1,208.200	6098344
WRB 90 130 FT	110	300	1	1,505.000	6098348
WRB 90 140 FT	110	400	1	1,747.400	6098352
WRB 90 150 FT	110	500	1	2,043.000	6098356
WRB 90 160 FT	110	600	1	2,360.000	6098360



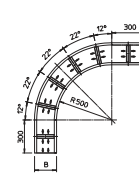
90° bend, horizontal, for all wide span cable trays of 110 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.

St FS FT

90° bend 160

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
WRB 90 162 FS	160	200	1	1,390.000	6098703
WRB 90 163 FS	160	300	1	1,664.000	6098707
WRB 90 164 FS	160	400	1	1,920.000	6098711
WRB 90 165 FS	160	500	1	2,214.000	6098715
WRB 90 166 FS	160	600	1	2,526.000	6098719
WRB 90 162 FT	160	200	1	1,460.000	6098730
WRB 90 163 FT	160	300	1	1,751.000	6098734
WRB 90 164 FT	160	400	1	2,023.000	6098738
WRB 90 165 FT	160	500	1	2,335.000	6098742
WRB 90 166 FT	160	600	1	2,667.000	6098746



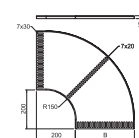
90° bend, horizontal, for all wide span cable trays of 160 mm side height.

For further stabilisation, additional supports should be planned for the area of the fittings.

St FS FT

90° bend 15, shipbuilding

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
MKRB 90 15 050FS	15	51	1	14.600	7061146
MKRB 90 15 075FS	15	76	1	22.500	7061050
MKRB 90 15 100FS	15	101	1	28.400	7061244
MKRB 90 15 125FS	15	126	1	56.500	7061252
MKRB 90 15 150FS	15	151	1	73.300	7061360
MKRB 90 15 200FS	15	201	1	102.400	7061449
MKRB 90 15 250FS	15	252	1	163.800	7061546
MKRB 90 15 300FS	15	302	1	206.000	7061643
MKRB 90 15 050FT	15	51	1	16.000	7061145
MKRB 90 15 075FT	15	76	1	23.500	7061048
MKRB 90 15 100FT	15	101	1	31.090	7061242
MKRB 90 15 125FT	15	125	1	61.000	7061250
MKRB 90 15 200FT	15	201	1	110.600	7061447
MKRB 90 15 250FT	15	252	1	176.900	7061544
MKRB 90 15 300FT	15	302	1	222.480	7061641

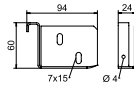


90° horizontal bend, for all ship construction cable tray types, produced according to the marine standard VG 88900-2.

Mounting/branch pieces, screw connection

Mounting/branch piece

St FS



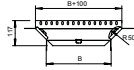
Type	Dimension mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 607.5 FS	60x75	10	18.100	6050353

Two-part version.

Add-on tee for horizontal use on luminaire trays of 60 mm side height.

Add-on tee 35

St FS FT



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 310 FS	35	100	1	30.000	6040322
RAA 320 FS	35	200	1	35.000	6040349
RAA 330 FS	35	300	1	50.000	6040357
RAA 310 FT	35	100	1	33.000	7120117
RAA 315 FT	35	150	1	39.700	7120140
RAA 320 FT	35	200	1	38.000	7120214
RAA 330 FT	35	300	1	55.000	7120311

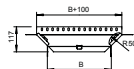
Add-on tee for horizontal and vertical use. For all cable tray types of 35 mm side height.

The fitting is shipped in an unmounted state.

Including appropriate fastening material.

Add-on tee 60

St FS FT



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 610 FS	60	100	1	44.200	6040403
RAA 615 FS	60	150	1	40.100	6040411
RAA 620 FS	60	200	1	53.100	6040438
RAA 630 FS	60	300	1	61.900	6040446
RAA 610 FT	60	100	1	47.700	7121109
RAA 615 FT	60	150	1	43.400	7121205
RAA 620 FT	60	200	1	57.500	7121210
RAA 630 FT	60	300	1	67.100	7121318

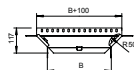
Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.

The fitting is shipped in an unmounted state.

Including appropriate fastening material.

Add-on tee 60

VA VA 2B



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 610 A2	60	100	1	44.200	7136120
RAA 620 A2	60	200	1	53.200	7136133
RAA 630 A2	60	300	1	61.500	7136141
RAA 610 A4	60	100	1	44.200	7136122
RAA 630 A4	60	300	1	61.500	7136143
RAA 620 A4	60	200	1	53.200	7136135

Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.

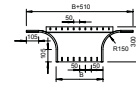
The fitting is shipped in an unmounted state.

Including appropriate fastening material.

St FS FT

Add-on tee 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 640 FS	60	400	1	220.000	7002394
RAA 650 FS	60	500	1	255.000	7002416
RAA 660 FS	60	600	1	285.000	7002432
RAA 640 FT	60	400	1	240.000	7121407
RAA 650 FT	60	500	1	280.000	7121504
RAA 660 FT	60	600	1	310.000	7121601

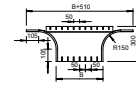


Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.
Fastening materials should be ordered separately.

VA VA 2B

Add-on tee 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 640 A2	60	400	1	220.000	7136242
RAA 650 A2	60	500	1	255.000	7136250
RAA 660 A2	60	600	1	285.000	7136269
RAA 640 A4	60	400	1	220.000	7136244
RAA 650 A4	60	500	1	255.000	7136252
RAA 660 A4	60	600	1	285.000	7136271

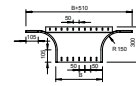


Add-on tee for horizontal and vertical use. For all cable tray types of 60 mm side height.
Fastening materials should be ordered separately.

St FS FT

Add-on tee 85

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 840 FS	85	400	1	230.000	7002521
RAA 850 FS	85	500	1	265.000	7002556
RAA 860 FS	85	600	1	295.000	7002572
RAA 840 FT	85	400	1	250.000	7122403
RAA 850 FT	85	500	1	290.000	7122500
RAA 860 FT	85	600	1	320.000	7122608

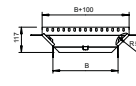
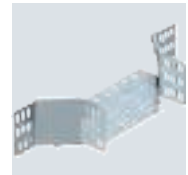


Add-on tee for horizontal and vertical use. For all cable tray types of 85 mm side height.
Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

St FS FT

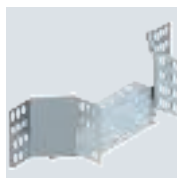
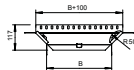
Add-on tee 85

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 810 FS	85	100	1	40.000	7002475
RAA 820 FS	85	200	1	45.000	7002491
RAA 830 FS	85	300	1	60.000	7002513
RAA 810 FT	85	100	1	45.000	7122109
RAA 820 FT	85	200	1	50.000	7122213
RAA 830 FT	85	300	1	65.000	7122310



Add-on tee for horizontal and vertical use. For all cable tray types of 85 mm side height.
The fitting is shipped in an unmounted state.
Including appropriate fastening material.

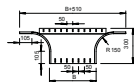
Add-on tee 110



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 110 FS	110	100	1	45.000	7002637
RAA 120 FS	110	200	1	55.000	7002653
RAA 130 FS	110	300	1	70.000	7002688
RAA 110 FT	110	100	1	50.000	7123116
RAA 120 FT	110	200	1	60.000	7123213
RAA 130 FT	110	300	1	75.000	7123310

Add-on tee for horizontal and vertical use. For all cable tray types of 110 mm side height.
The fitting is shipped in an unmounted state.
Including appropriate fastening material.

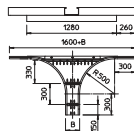
Add-on tee 110



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 140 FS	110	400	1	250.000	7002696
RAA 150 FS	110	500	1	285.000	7002726
RAA 155 FS	110	550	1	300.000	7002734
RAA 140 FT	110	400	1	270.000	7123396
RAA 150 FT	110	500	1	310.000	7123507
RAA 155 FT	110	550	1	325.000	7123558

Add-on tee for horizontal and vertical use. For all cable tray types of 110 mm side height. Fastening materials should be ordered separately.

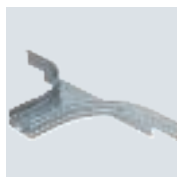
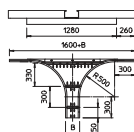
Add-on tee 110



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
WRAA 120 FS	110	200	1	1,475.000	6098405
WRAA 130 FS	110	300	1	1,605.000	6098409
WRAA 140 FS	110	400	1	1,735.000	6098413
WRAA 150 FS	110	500	1	1,865.000	6098417
WRAA 160 FS	110	600	1	1,995.000	6098421
WRAA 120 FT	110	200	1	1,545.000	6098445
WRAA 130 FT	110	300	1	1,680.000	6098449
WRAA 140 FT	110	400	1	1,820.000	6098453
WRAA 150 FT	110	500	1	1,955.000	6098457
WRAA 160 FT	110	600	1	2,080.000	6098461

Add-on tee for horizontal use. For all wide span cable trays of 110 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

Add-on tee 160



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
WRAA 162 FS	160	200	1	1,783.000	6098800
WRAA 163 FS	160	300	1	1,938.000	6098804
WRAA 164 FS	160	400	1	2,075.000	6098808
WRAA 165 FS	160	500	1	2,240.000	6098812
WRAA 166 FS	160	600	1	2,350.000	6098816
WRAA 162 FT	160	200	1	1,865.000	6098827
WRAA 163 FT	160	300	1	2,026.000	6098831
WRAA 164 FT	160	400	1	2,170.000	6098835
WRAA 165 FT	160	500	1	2,316.000	6098839
WRAA 166 FT	160	600	1	2,460.000	6098844

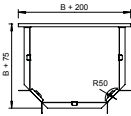
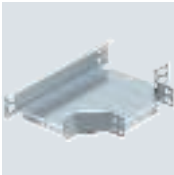
Add-on tee for horizontal use. For all wide span cable trays of 160 mm side height.
For further stabilisation, additional supports should be planned for the area of the fittings.

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St FS FT

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RT 610 FS	60	100	1	83.200	6043410
RT 615 FS	60	150	1	101.000	6043402
RT 620 FS	60	200	1	133.200	6043429
RT 630 FS	60	300	1	198.200	6043437
RT 610 FT	60	100	1	89.900	7117116
RT 615 FT	60	150	1	109.000	7117162
RT 620 FT	60	200	1	144.800	7117209
RT 630 FT	60	300	1	215.900	7117306

T branch piece 60

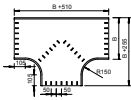


Horizontal T branch piece, for all cable tray types of 60 mm side height.
The fitting is shipped in an unmounted state. All the sides are designed for the same cable tray width.
Including appropriate fastening material.

St FS FT

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RT 640 FS	60	400	1	697.000	7003390
RT 650 FS	60	500	1	804.000	7003412
RT 660 FS	60	600	1	1,001.000	7003439
RT 640 FT	60	400	1	746.000	7117396
RT 650 FT	60	500	1	804.500	7117507
RT 660 FT	60	600	1	1,001.700	7117604

T branch piece 60

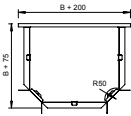


Horizontal T branch piece, for all cable tray types of 60 mm side height.
Fitting in round design. The interior radius of the fitting is 150 mm. All the sides are designed for the same cable tray width.
Fastening materials should be ordered separately.

St FS FT

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RT 110 FS	110	100	1	105.000	7003633
RT 120 FS	110	200	1	160.000	7003668
RT 130 FS	110	300	1	235.000	7003684
RT 110 FT	110	100	1	110.000	7119119
RT 120 FT	110	200	1	180.000	7119216
RT 130 FT	110	300	1	250.000	7119313

T branch piece 110

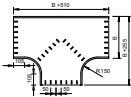


Horizontal T branch piece, for all cable tray types of 110 mm side height.
The fitting is shipped in an unmounted state. Including appropriate fastening material.

St FS FT

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RT 140 FS	110	400	1	770.000	7003692
RT 150 FS	110	500	1	950.000	7003714
RT 140 FT	110	400	1	825.000	7119402
RT 150 FT	110	500	1	950.000	7119496
RT 155 FT	110	550	1	1,100.000	7119550

T branch piece 110

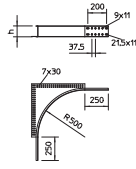


Horizontal T branch piece, for all cable tray types of 110 mm side height.
Fastening materials should be ordered separately.



Corner extension pieces, screw connection

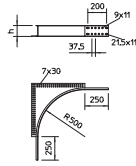
Corner extension piece 110

St **FS** **FT**


Type	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WEAS 110 FS	110	1	485.500	6098475
WEAS 110 FT	110	1	586.200	6098479

Corner extension piece for wide span cable trays and ladders with a side height of 110 mm.

Corner extension piece 160

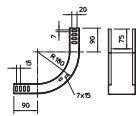
St **FS** **FT**


Type	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WEAS 160 FS	160	1	632.000	6098860
WEAS 160 FT	160	1	669.000	6098864

Corner extension piece for wide span cable trays and ladders with a side height of 160 mm.

Vertical bends, screw connection

90° vertical bend, rising, 35

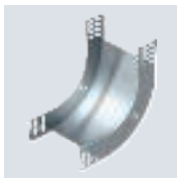
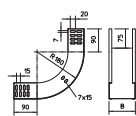
St **FS** **FT**


Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 310 S FS	35	100	1	55.600	7007174
RBV 315 S FS	35	150	1	66.400	7007178
RBV 320 S FS	35	200	1	77.300	7007182
RBV 330 S FS	35	300	1	99.000	7007186
RBV 310 S FT	35	100	1	61.100	7007176
RBV 315 S FT	35	150	1	73.000	7007180
RBV 320 S FT	35	200	1	85.000	7007184
RBV 330 S FT	35	300	1	100.900	7007188

90° rising vertical bend, for all cable tray types of 35 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, rising 60

St **FS** **FT**


Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 610 S FS	60	100	1	66.000	7007005
RBV 615 S FS	60	150	1	78.000	7007009
RBV 620 S FS	60	200	1	95.000	7007013
RBV 630 S FS	60	300	1	124.000	7007017
RBV 640 S FS	60	400	1	153.000	7007021
RBV 650 S FS	60	500	1	181.000	7007025
RBV 660 S FS	60	600	1	210.000	7007029
RBV 610 S FT	60	100	1	71.000	7007006
RBV 615 S FT	60	150	1	84.000	7007010
RBV 620 S FT	60	200	1	103.000	7007014
RBV 630 S FT	60	300	1	134.000	7007018
RBV 640 S FT	60	400	1	163.000	7007022
RBV 650 S FT	60	500	1	190.000	7007026
RBV 660 S FT	60	600	1	221.000	7007030

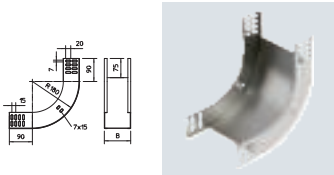
90° rising vertical bend, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

VA VA 2B

90° vertical bend, rising 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 610 S A2	60	100	1	66.000	7007105
RBV 615 S A2	60	150	1	84.000	7007107
RBV 620 S A2	60	200	1	109.000	7007109
RBV 630 S A2	60	300	1	145.000	7007113
RBV 640 S A2	60	400	1	181.000	7007117
RBV 650 S A2	60	500	1	216.000	7007119
RBV 660 S A2	60	600	1	252.000	7007121
RBV 610 S A4	60	100	1	73.000	7006720
RBV 620 S A4	60	200	1	105.000	7006724
RBV 630 S A4	60	300	1	145.000	7006728
RBV 640 S A4	60	400	1	181.000	7006732
RBV 650 S A4	60	500	1	216.000	7006736
RBV 660 S A4	60	600	1	252.000	7006740

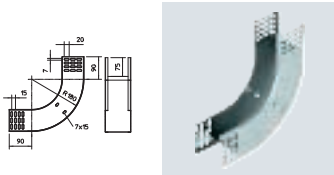


90° rising vertical bend, for all cable tray types of 60 mm side height.
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

St FS FT

90° vertical bend, rising 85

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 810 S FS	85	100	1	97.100	7007230
RBV 820 S FS	85	200	1	132.600	7007234
RBV 830 S FS	85	300	1	156.200	7007238
RBV 840 S FS	85	400	1	179.900	7007242
RBV 850 S FS	85	500	1	203.500	7007246
RBV 860 S FS	85	600	1	227.100	7007250
RBV 810 S FT	85	100	1	97.100	7007231
RBV 820 S FT	85	200	1	132.600	7007235
RBV 830 S FT	85	300	1	156.200	7007239
RBV 840 S FT	85	400	1	179.900	7007243
RBV 850 S FT	85	500	1	203.500	7007247
RBV 860 S FT	85	600	1	227.100	7007251

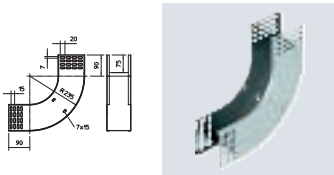


90° rising vertical bend, for all cable tray types of 85 mm side height.
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

St FS FT

90° vertical bend, rising, 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 110 S FS	110	100	1	120.100	7007310
RBV 115 S FS	110	150	1	135.000	7007312
RBV 120 S FS	110	200	1	151.300	7007314
RBV 130 S FS	110	300	1	182.400	7007318
RBV 140 S FS	110	400	1	213.600	7007322
RBV 150 S FS	110	500	1	244.800	7007326
RBV 155 S FS	110	550	1	260.400	7007330
RBV 160 S FS	110	600	1	274.000	7007333
RBV 110 S FT	110	100	1	120.000	7007398
RBV 115 S FT	110	150	1	147.000	7007313
RBV 120 S FT	110	200	1	163.000	7007400
RBV 130 S FT	110	300	1	182.400	7007319
RBV 140 S FT	110	400	1	231.000	7007404
RBV 150 S FT	110	500	1	244.800	7007327
RBV 155 S FT	110	550	1	260.400	7007331
RBV 160 S FT	110	600	1	299.000	7007334

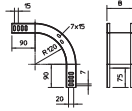


90° rising vertical bend, for all cable tray types of 110 mm side height.
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

Vertical bends, screw connection

90° vertical bend, falling 35

St FS FT



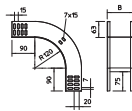
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 310 F FS	35	100	1	51.300	7007204
RBV 315 F FS	35	150	1	60.000	7007208
RBV 320 F FS	35	200	1	68.700	7007212
RBV 330 F FS	35	300	1	86.100	7007216
RBV 310 F FT	35	100	1	56.000	7007206
RBV 315 F FT	35	150	1	66.000	7007210
RBV 320 F FT	35	200	1	76.000	7007214
RBV 330 F FT	35	300	1	95.000	7007218

90° vertical bend, falling, for all cable tray types of 35 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling 60

St FS FT



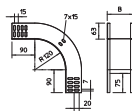
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 610 F FS	60	100	1	61.000	7007055
RBV 615 F FS	60	150	1	73.000	7007059
RBV 620 F FS	60	200	1	84.000	7007063
RBV 630 F FS	60	300	1	107.000	7007067
RBV 640 F FS	60	400	1	130.000	7007071
RBV 650 F FS	60	500	1	153.000	7007075
RBV 660 F FS	60	600	1	176.000	7007079
RBV 610 F FT	60	100	1	66.000	7007056
RBV 615 F FT	60	150	1	80.000	7007060
RBV 620 F FT	60	200	1	92.000	7007064
RBV 630 F FT	60	300	1	116.000	7007068
RBV 640 F FT	60	400	1	142.000	7007072
RBV 650 F FT	60	500	1	167.000	7007076
RBV 660 F FT	60	600	1	192.000	7007080

90° vertical bend, falling, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

90° vertical bend, falling 60

VA VA 2B



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 610 F A2	60	100	1	61.000	7007155
RBV 615 F A2	60	150	1	73.000	7007156
RBV 620 F A2	60	200	1	84.000	7007157
RBV 630 F A2	60	300	1	107.000	7007159
RBV 640 F A2	60	400	1	130.000	7007161
RBV 650 F A2	60	500	1	153.000	7007163
RBV 660 F A2	60	600	1	176.000	7007165
RBV 610 F A4	60	100	1	61.000	7006750
RBV 620 F A4	60	200	1	84.000	7006754
RBV 630 F A4	60	300	1	107.000	7006758
RBV 640 F A4	60	400	1	130.000	7006762
RBV 650 F A4	60	500	1	153.000	7006766
RBV 660 F A4	60	600	1	176.000	7006770

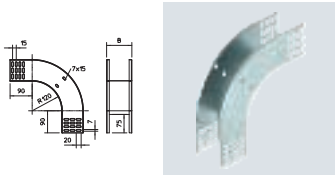
90° vertical bend, falling, for all cable tray types of 60 mm side height.

The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

St FS FT

90° vertical bend, falling 85

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 810 F FS	85	100	1	86.600	7007270
RBV 820 F FS	85	200	1	104.200	7007274
RBV 830 F FS	85	300	1	121.800	7007278
RBV 840 F FS	85	400	1	139.500	7007282
RBV 850 F FS	85	500	1	157.100	7007286
RBV 860 F FS	85	600	1	174.700	7007290
RBV 810 F FT	85	100	1	86.600	7007271
RBV 820 F FT	85	200	1	104.200	7007275
RBV 830 F FT	85	300	1	121.800	7007279
RBV 840 F FT	85	400	1	139.500	7007283
RBV 850 F FT	85	500	1	157.100	7007287
RBV 860 F FT	85	600	1	174.700	7007291

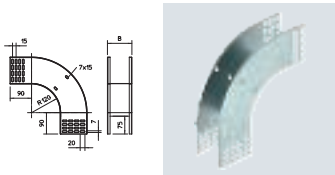


90° vertical bend, falling, for all cable tray types of 85 mm side height.
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

St FS FT

90° vertical bend, falling 110

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RBV 110 F FS	110	100	1	106.300	7007350
RBV 115 F FS	110	150	1	114.000	7007352
RBV 120 F FS	110	200	1	124.000	7007354
RBV 130 F FS	110	300	1	141.600	7007358
RBV 140 F FS	110	400	1	159.200	7007362
RBV 150 F FS	110	500	1	176.900	7007366
RBV 155 F FS	110	550	1	185.700	7007370
RBV 160 F FS	110	600	1	193.000	7007373
RBV 110 F FT	110	100	1	120.000	7007468
RBV 115 F FT	110	150	1	124.000	7007353
RBV 120 F FT	110	200	1	134.000	7007470
RBV 130 F FT	110	300	1	141.600	7007359
RBV 140 F FT	110	400	1	172.000	7007474
RBV 150 F FT	110	500	1	176.900	7007367
RBV 155 F FT	110	550	1	185.700	7007371
RBV 160 F FT	110	600	1	210.000	7007374

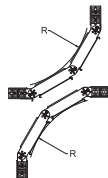


90° vertical bend, falling, for all cable tray types of 110 mm side height.
The vertical bend is pushed over the end of the cable tray and screwed tight.
Fastening materials should be ordered separately.

Articulated bend, vertical, screw connection

90° adjustable bend, vertical 60

St FS FT



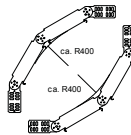
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RGBV 610 FS	60	100	1	173.700	7006322
RGBV 615 FS	60	150	1	200.000	7006330
RGBV 620 FS	60	200	1	219.000	7006349
RGBV 630 FS	60	300	1	260.000	7006365
RGBV 640 FS	60	400	1	302.000	7006381
RGBV 650 FS	60	500	1	367.000	7006411
RGBV 660 FS	60	600	1	430.000	7006446
RGBV 610 FT	60	100	1	186.000	7079109
RGBV 615 FT	60	150	1	200.000	7079141
RGBV 620 FT	60	200	1	239.000	7079206
RGBV 630 FT	60	300	1	295.000	7079303
RGBV 640 FT	60	400	1	349.000	7079400
RGBV 650 FT	60	500	1	404.000	7079508
RGBV 660 FT	60	600	1	460.000	7079605

90° adjustable vertical bend, for all cable tray types with a side height of 60 mm.

The bend is shipped in an unmounted state. No additional fastening materials are required.

90° adjustable bend, vertical 60

VA 2B



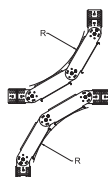
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RGBV 610 A2	60	100	1	182.000	7138113
RGBV 620 A2	60	200	1	238.000	7138121
RGBV 630 A2	60	300	1	265.000	7138148
RGBV 640 A2	60	400	1	344.000	7138156
RGBV 650 A2	60	500	1	437.000	7138164
RGBV 660 A2	60	600	1	430.000	7138172

90° adjustable vertical bend, for all cable tray types with a side height of 60 mm.

The bend is shipped in an unmounted state. No additional fastening materials are required.

90° adjustable bend, vertical 85

St FS FT



Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RGBV 810 FS	85	100	1	244.000	7006462
RGBV 820 FS	85	200	1	305.000	7006489
RGBV 830 FS	85	300	1	355.000	7006500
RGBV 840 FS	85	400	1	407.000	7006527
RGBV 850 FS	85	500	1	460.000	7006543
RGBV 860 FS	85	600	1	508.000	7006578
RGBV 810 FT	85	100	1	261.000	7080107
RGBV 820 FT	85	200	1	325.000	7080204
RGBV 830 FT	85	300	1	380.000	7080301
RGBV 840 FT	85	400	1	435.000	7080409
RGBV 850 FT	85	500	1	488.000	7080506
RGBV 860 FT	85	600	1	550.000	7080603

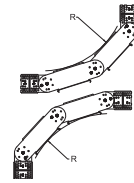
90° adjustable vertical bend, for all cable tray types with a side height of 85 mm.

The bend is shipped in an unmounted state. No additional fastening materials are required.

St FS FT

90° adjustable bend, vertical 110

Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RGBV 110 FS	110	100	1	363.000	7006624
RGBV 115 FS	110	150	1	392.000	7006632
RGBV 120 FS	110	200	1	420.000	7006640
RGBV 130 FS	110	300	1	480.000	7006667
RGBV 140 FS	110	400	1	530.000	7006683
RGBV 150 FS	110	500	1	580.000	7006705
RGBV 155 FS	110	550	1	610.000	7006713
RGBV 160 FS	110	600	1	630.000	7006717
RGBV 110 FT	110	100	1	363.000	7081103
RGBV 115 FT	110	150	1	392.000	7081108
RGBV 120 FT	110	200	1	420.000	7081200
RGBV 130 FT	110	300	1	480.000	7081308
RGBV 140 FT	110	400	1	530.000	7081405
RGBV 150 FT	110	500	1	580.000	7081502
RGBV 155 FT	110	550	1	610.000	7081553
RGBV 160 FT	110	600	1	630.000	7081555



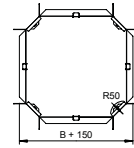
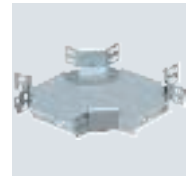
90° adjustable vertical bend, for all cable tray types with a side height of 110 mm.
The bend is shipped in an unmounted state. No additional fastening materials are required.

Intersections, screw connection

St FS FT

Cross-over 60

Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RK 610 FS	60	100	1	89.500	6043615
RK 615 FS	60	150	1	111.100	6043607
RK 620 FS	60	200	1	136.200	6043623
RK 630 FS	60	300	1	197.800	6043631
RK 610 FT	60	100	1	97.000	7113110
RK 620 FT	60	200	1	148.300	7113218
RK 630 FT	60	300	1	216.000	7113315

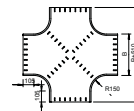


Horizontal cross-over for all cable tray types of 60 mm side height.
The fitting is shipped in an unmounted state. All the sides are designed for the same cable tray width.
Including appropriate fastening material.

St FS FT

Cross-over 60

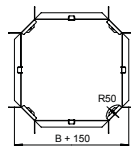
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RK 640 FS	60	400	1	800.000	7004397
RK 650 FS	60	500	1	1,120.000	7004419
RK 660 FS	60	600	1	1,291.000	7004435
RK 640 FT	60	400	1	860.000	7113404
RK 650 FT	60	500	1	1,190.000	7113501
RK 660 FT	60	600	1	1,370.000	7113609



Horizontal cross-over for all cable tray types of 60 mm side height.
Fitting in round design. The interior radius of the fitting is 150 mm. All the sides are designed for the same cable tray width.
Fastening materials should be ordered separately.

Cross-over 110

St FS FT



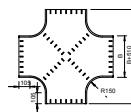
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RK 110 FS	110	100	1	110.000	7004648
RK 120 FS	110	200	1	160.000	7004664
RK 130 FS	110	300	1	220.000	7004680
RK 110 FT	110	100	1	120.000	7115113
RK 120 FT	110	200	1	175.000	7115210
RK 130 FT	110	300	1	240.000	7115318

Horizontal cross-over for all cable tray types of 110 mm side height.

The fitting is shipped in an unmounted state. Including appropriate fastening material.

Cross-over 110

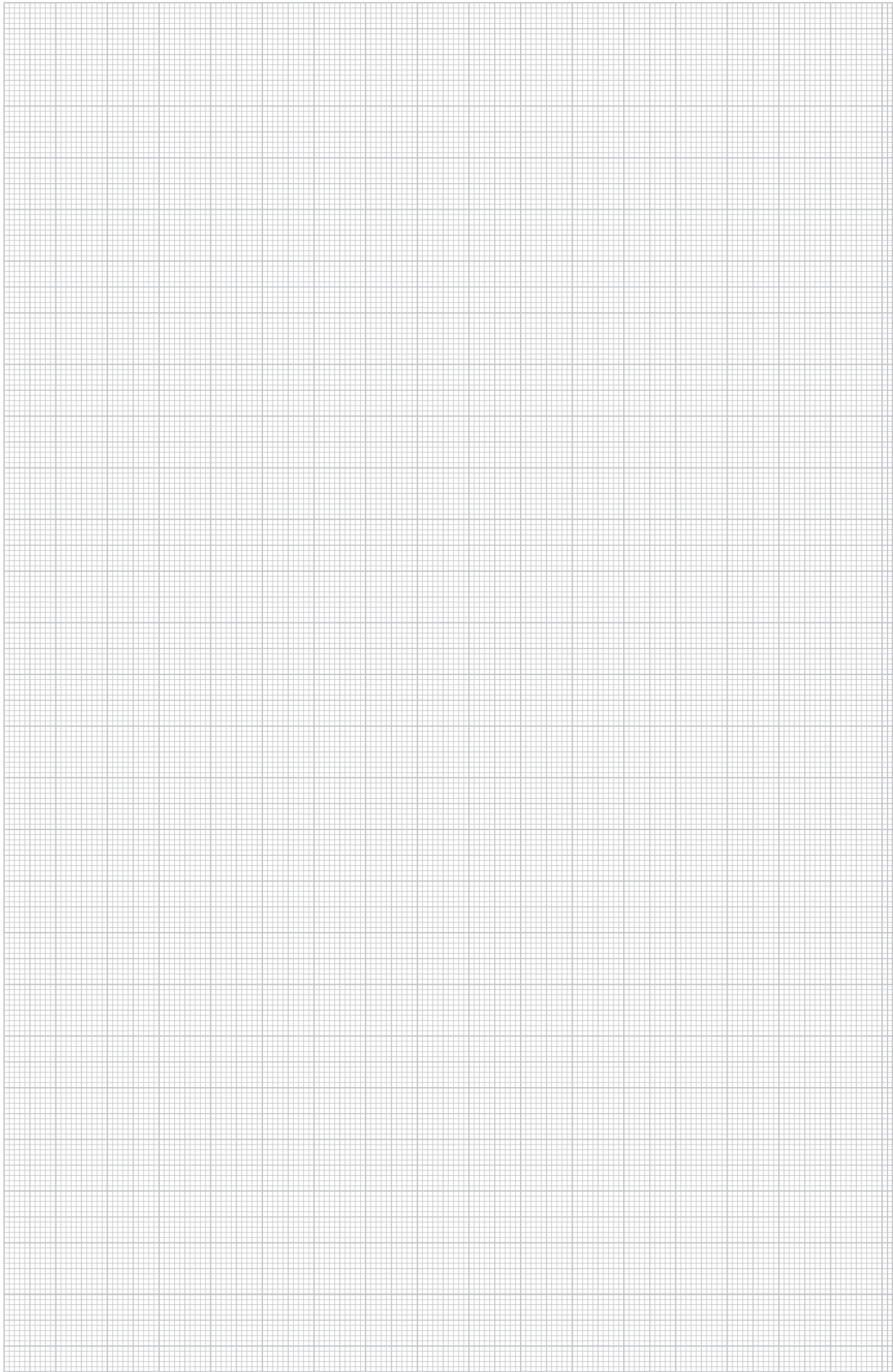
St FS FT



Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RK 140 FS	110	400	1	906.000	7004699
RK 150 FS	110	500	1	1,100.000	7004710
RK 140 FT	110	400	1	960.000	7115407
RK 150 FT	110	500	1	1,180.000	7115504
RK 160 FT	110	600	1	1,340.000	7115564

Horizontal cross-over for all cable tray types of 110 mm side height.

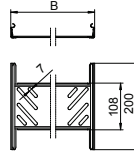
Fastening materials should be ordered separately.



Straight connector

Magic straight connector set 35

St FS



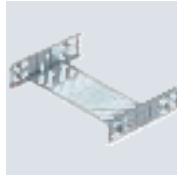
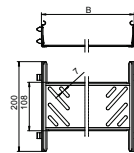
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
KTSMV 310 FS	35	100	1	22.700	6068900
KTSMV 320 FS	35	200	1	29.400	6068902
KTSMV 330 FS	35	300	1	36.100	6068904

Cable tray connector with quick fastening for the screwless connection of perforated cable trays with a side height of 35 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.

Magic straight connector set 60

St FS DD



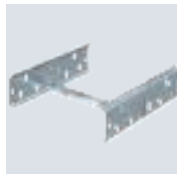
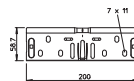
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
KTSMV 610 FS	60	100	1	30.500	6068914
KTSMV 615 FS	60	150	1	34.900	6068916
KTSMV 620 FS	60	200	1	37.200	6068918
KTSMV 630 FS	60	300	1	44.000	6068920
KTSMV 640 FS	60	400	1	50.700	6068922
KTSMV 650 FS	60	500	1	57.400	6068924
KTSMV 660 FS	60	600	1	64.200	6068926
KTSMV 610 DD	60	100	1	30.500	6068936
KTSMV 615 DD	60	150	1	34.900	6068938
KTSMV 620 DD	60	200	1	37.200	6068940
KTSMV 630 DD	60	300	1	44.000	6068942
KTSMV 640 DD	60	400	1	50.700	6068944
KTSMV 650 DD	60	500	1	57.400	6068946
KTSMV 660 DD	60	600	1	64.200	6068948

Cable tray connector with quick fastening for the screwless connection of perforated cable trays with a side height of 60 mm.

The optimised design means that the connector can be used to create radii and as a length compensation piece for large temperature deviations.

Straight connector set 60

St FS



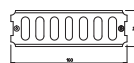
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RV 605 FS	60	50	10	18.100	6068146
RV 607 FS	60	75	10	18.800	6068150
RV 610 FS	60	100	10	19.400	6068154
RV 615 FS	60	150	10	20.700	6068162
RV 620 FS	60	200	10	20.900	6068170
RV 630 FS	60	300	10	24.500	6068189
RV 640 FS	60	400	10	32.200	6068197
RV 650 FS	60	500	10	36.200	6068200
RV 660 FS	60	600	10	39.200	6068219

Quick connector set for straight, screwless connections of cable trays and fittings with a side height of 60 mm.

The continuous earthing connection is guaranteed without a screw connection.

Straight connector 35

St FS FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVK 35 FS	35	10	5.100	6067085
RLVK 35 FT	35	10	5.100	6067301

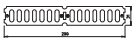
Straight connector for connections of cable trays and fittings with a side height of 35 mm.

Including appropriate fastening material.

St FS FT

Straight and angle connector 35

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RWVL 35 FS	35	10	10.500	6067107
RWVL 35 FT	35	10	10.500	6067328

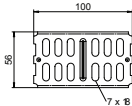


Straight and angle connector for cable trays and fittings with a side height of 35 mm.
Including appropriate fastening material.

St FS FT

Straight connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVK 60 FS	60	10	9.976	6067093
RLVK 60 FT	60	10	10.300	6067603

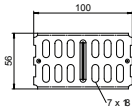


Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.

VA VA 2B

Straight connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVK 60 A2	60	10	9.780	6067654
RLVK 60 A4	60	10	9.780	6067675

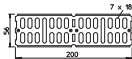


Straight connector for straight connection of cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.

St FS FT

Straight and angle connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RWVL 60 FS	60	10	16.400	6067115
RWVL 60 FT	60	10	17.400	6067611

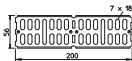


Straight and angle connector for cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.

VA VA 2B

Straight and angle connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RWVL 60 A2	60	10	16.200	6067662
RWVL 60 A4	60	10	16.200	6067664

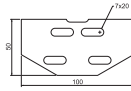


Straight and angle connector for cable trays and fittings with a side height of 60 mm.
Including appropriate fastening material.

Straight connector

Straight connector 60, vertical

St FS



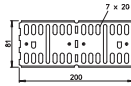
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVKV 60 FS	60	10	4.550	6067101

The vertical straight connector can be used to connect cable trays with the side height 60 mm. Mitre joints that rise and fall up to an angle of 60° can also be realised with this connector.

The screw fastening ensures the continuity of the equipotential bonding.

Straight and angle connector 85

St FS FT

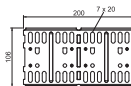


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVL 85 FS	85	10	27.300	6067123
RLVL 85 FT	85	10	28.300	6067816

Straight and angle connector for cable trays and fittings with a side height of 85 mm.
Including appropriate fastening material.

Straight and angle connector 110

St FS FT

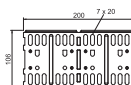


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVL 110 FS	110	10	33.800	6067131
RLVL 110 FT	110	10	35.100	6067913

Straight and angle connector for cable trays and fittings with a side height of 110 mm.
Including appropriate fastening material.

Straight and angle connector 110

VA 2B

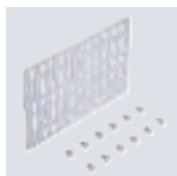
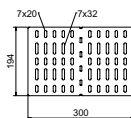


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RLVL 110 A2	110	10	33.400	6067948

Straight and angle connector for cable trays and fittings with a side height of 110 mm.

Straight and angle connector 200

St FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LWVM 200 FT	200	2	113.200	6083200

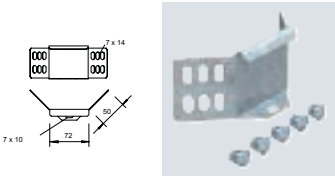
Usable as a straight connector for straight connections of cable trays (FT) with a side height of 200 mm. Usable as angle connector for horizontal brackets without fittings.

St FS FT

Angle connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WKV 60 FS	60	5	14.700	6043062
WKV 60 FT	60	5	15.800	6042910

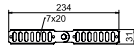
Angle connector for cable trays with a side height of 60 mm.
Including appropriate fastening material.



Articulated connector

Adjustable connector 35

St FS FT

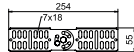


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 35 FS	35	10	11.000	7082002
RGV 35 FT	35	10	11.000	7082126

Adjustable connector for cable trays with a side height of 35 mm.
Including appropriate fastening material.

Adjustable connector 60

St FS FT

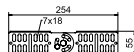


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 60 FS	60	10	25.100	7082010
RGV 60 FT	60	10	26.100	7082223

Adjustable connector for cable trays with a side height of 60 mm.
Including appropriate fastening material.

Adjustable connector 60

VA VA 2B

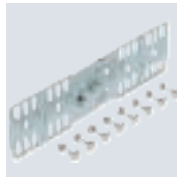
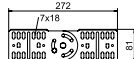


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 60 A2	60	10	25.100	7082258
RGV 60 A4	60	10	25.100	7082265

Adjustable connector for cable trays with a side height of 60 mm.
Including appropriate fastening material.

Adjustable connector 85

St FS FT

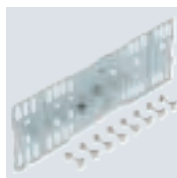
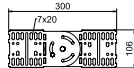


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 85 FS	85	10	44.100	7082029
RGV 85 FT	85	10	45.900	7082320

Adjustable connector for cable trays with a side height of 85 mm.
Including appropriate fastening material.

Adjustable connector 110

St FS FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 110 FS	110	10	61.700	7082037
RGV 110 FT	110	10	64.300	7082436

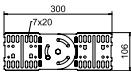
Adjustable connector for cable trays with a side height of 110 mm.
Including appropriate fastening material.

VA 2B

Adjustable connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV 110 A2	110	4	61.700	7082479

Adjustable connector for cable trays with a side height of 110 mm.



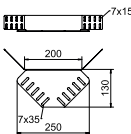
Corner connector

St FS DD

Corner connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
REV 60 FS	60	10	32.000	6067972
REV 60 DD	60	1	32.000	6069410

Corner connector for cable trays with side height 60 mm.
Fastening materials should be ordered separately.

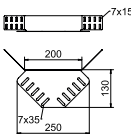


VA VA 2B

Corner connector 60

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
REV 60 A2	60	5	32.000	6068022
REV 60 A4	60	5	32.000	6068054

Corner connector for cable trays with side height 60 mm.
Fastening materials should be ordered separately.

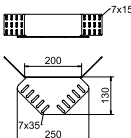


St FS DD

Corner connector 85

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
REV 85 FS	85	10	61.000	6067980
REV 85 DD	85	1	61.000	6069320

Corner connector for cable trays with side height 85 mm.
Fastening materials should be ordered separately.

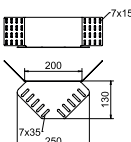


St FS DD

Corner connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
REV 110 FS	110	10	72.000	6067999
REV 110 DD	110	1	72.000	6069339

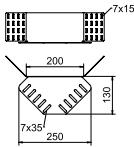
Corner connector for cable trays with side height 110 mm.
Fastening materials should be ordered separately.



Corner connector

VA 2B

Corner connector 110



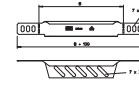
Type	Side height mm	Pack	Weight	Item no.
		Piece	kg/100 pc.	
REV 110 A2	110	5	75.000	6068049

Corner connector for cable trays with side height 110 mm.

St FS

Reducer/stop-end 35

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 310 FS	35	100	1	7.917	7108109
RWEB 320 FS	35	200	1	12.300	7108206
RWEB 330 FS	35	300	1	18.300	7108311
RWEB 305 FS	35	50	1	4.200	7108052

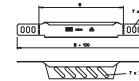


Reducer/stop-end for cable trays with side height 35 mm.
From a width of 150 mm, a perforated bottom flange is available.
Including appropriate fastening material.

St DD

Reducer / stop-end 35

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 310 DD	35	100	1	8.300	7107013
RWEB 320 DD	35	200	1	12.300	7107048

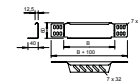


Reducer/stop-end for cable trays with side height 35 mm.
From a width of 150 mm, a perforated lower flange is available.
Including appropriate fastening material.

St FS DD

Reducer/stop-end 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 610 FS	60	100	1	12.300	7109105
RWEB 615 FS	60	150	1	17.600	7109156
RWEB 620 FS	60	200	1	22.800	7109202
RWEB 630 FS	60	300	1	30.700	7109296
RWEB 640 FS	60	400	1	39.600	7109407
RWEB 650 FS	60	500	1	47.500	7109504
RWEB 660 FS	60	600	1	55.500	7109601
RWEB 610 DD	60	100	1	12.300	7106106
RWEB 615 DD	60	150	1	17.900	7106110
RWEB 620 DD	60	200	1	22.600	7106114
RWEB 630 DD	60	300	1	30.700	7106118
RWEB 640 DD	60	400	1	39.600	7106122
RWEB 650 DD	60	500	1	47.500	7106126
RWEB 660 DD	60	600	1	55.500	7106130
RWEB 605 DD	60	50	1	9.337	7107145
RWEB 645 DD	60	450	1	43.600	7106124

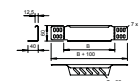
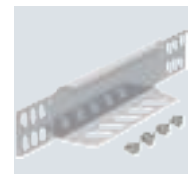


Reducer/stop-end plate for cable trays with side height 60 mm.
From a width of 150 mm, a perforated lower flange is available.
Including appropriate fastening material.

VA 2B

Reducer/stop-end 60

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 610 A2	60	100	1	12.500	7109814
RWEB 615 A2	60	150	1	18.000	7109816
RWEB 620 A2	60	200	1	22.900	7109830
RWEB 630 A2	60	300	1	31.200	7109857
RWEB 640 A2	60	400	1	37.300	7109873
RWEB 650 A2	60	500	1	48.100	7109903
RWEB 660 A2	60	600	1	56.100	7109938

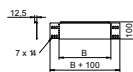


Reducer/stop-end plate for cable trays with side height 60 mm.
From a width of 150 mm, a perforated lower flange is available.
Including appropriate fastening material.

Reducing bracket and end closure plate

Reducer/stop-end 100

St FS



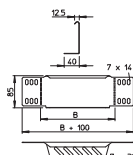
Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 1010 FS	100	100	1	13.600	7111802
RWEB 1020 FS	100	200	1	22.100	7111804
RWEB 1030 FS	100	300	1	30.600	7111806
RWEB 1040 FS	100	400	1	39.100	7111808
RWEB 1050 FS	100	500	1	47.600	7111810
RWEB 1060 FS	100	600	1	56.100	7111812

Reducer/stop-end for cable trays with side height 100 mm.

Including appropriate fastening material.

Reducer/stop-end 85

St FS DD



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 810 FS	85	100	1	12.000	7110103
RWEB 820 FS	85	200	1	23.000	7110200
RWEB 830 FS	85	300	1	33.000	7110308
RWEB 840 FS	85	400	1	43.000	7110405
RWEB 850 FS	85	500	1	53.000	7110502
RWEB 860 FS	85	600	1	63.000	7110618
RWEB 810 DD	85	100	1	12.000	7107315
RWEB 820 DD	85	200	1	23.000	7107331
RWEB 830 DD	85	300	1	33.000	7107366
RWEB 840 DD	85	400	1	43.000	7107382
RWEB 850 DD	85	500	1	53.000	7107404
RWEB 860 DD	85	600	1	63.000	7107420

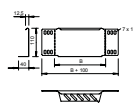
Reducer/stop-end for cable trays with side height 85 mm.

From a width of 150 mm, a perforated bottom flange is available.

Including appropriate fastening material.

Reducer/stop-end 110

St FS DD



Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 110 FS	110	100	1	16.400	7111096
RWEB 115 FS	110	150	1	22.900	7111201
RWEB 120 FS	110	200	1	29.000	7111207
RWEB 130 FS	110	300	1	40.700	7111304
RWEB 140 FS	110	400	1	52.900	7111428
RWEB 150 FS	110	500	1	64.800	7111509
RWEB 155 FS	110	550	1	70.700	7111541
RWEB 160 FS	110	600	1	71.000	7111740
RWEB 110 DD	110	100	1	16.300	7107455
RWEB 120 DD	110	200	1	25.000	7107471
RWEB 130 DD	110	300	1	44.000	7107501
RWEB 140 DD	110	400	1	58.000	7107536
RWEB 150 DD	110	500	1	64.700	7107552
RWEB 160 DD	110	600	1	71.000	7107562
RWEB 155 DD	110	550	1	70.700	7107560

Reducer/stop-end for cable trays with side height 110 mm.

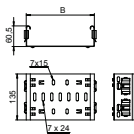
From a width of 150 mm, the perforated lower flange is provided.

Including appropriate fastening material.

St DD

Magic 60 fitting connector

Type	Side height mm	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
FVM 610 DD	60	100	1	31.900	6065710
FVM 615 DD	60	150	1	37.900	6065712
FVM 620 DD	60	200	1	44.000	6065714
FVM 630 DD	60	300	1	57.000	6065716
FVM 640 DD	60	400	1	69.400	6065718
FVM 650 DD	60	500	1	82.000	6065720
FVM 660 DD	60	600	1	94.600	6065722



The fitting connector is compatible with cable tray types MKSM, MKSMU, SKSM and SKSMU.
Magic straight connector for direct and screwless joining of Magic fittings with a side height of 60 mm.
The straight connector is equipped with four brackets and can also be used for the direct connection with a cut cable tray with only two brackets mounted to one side. To join a cut cable tray with a fitting, an additional Magic straight connector set is needed.

Separating retainer connector

VA 2B

Barrier strip connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
TSGV A2	10	0.899	6067970

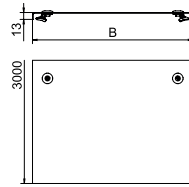
Barrier strip connector for screwless connection of the TSG barrier strip in all side heights.



Lid with sash lock

St FS FT DD

Cover with turn buckle



Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL 075 FS	75	1.00	3000	3	83.340	6052029
DRL 100 FS	100	1.00	3000	3	103.000	6052096
DRL 150 FS	150	1.00	3000	3	141.667	6052150
DRL 200 FS	200	1.00	3000	3	181.340	6052207
DRL 300 FS	300	1.00	3000	3	259.334	6052304
DRL 400 FS	400	1.00	3000	3	338.670	6052401
DRL 500 FS	500	1.25	3000	3	623.000	6052509
DRL 550 FS	550	1.25	3000	3	681.670	6052568
DRL 600 FS	600	1.25	3000	3	741.000	6052606
DRL 100 FT	100	1.00	3000	3	106.670	6051340
DRL 150 FT	150	1.00	3000	3	159.340	6051359
DRL 200 FT	200	1.00	3000	3	202.670	6051367
DRL 300 FT	300	1.00	3000	3	289.000	6051383
DRL 400 FT	400	1.50	3000	3	542.000	6051413
DRL 500 FT	500	1.50	3000	3	667.670	6051448
DRL 600 FT	600	1.50	3000	3	793.000	6051472
DRL 100 DD	100	1.00	3000	3	106.340	6052703
DRL 150 DD	150	1.00	3000	3	145.670	6052706
DRL 200 DD	200	1.00	3000	3	185.000	6052709
DRL 300 DD	300	1.00	3000	3	263.340	6052712
DRL 400 DD	400	1.00	3000	3	342.070	6052715
DRL 500 DD	500	1.25	3000	3	626.670	6052718
DRL 550 DD	550	1.25	3000	3	685.340	6052721
DRL 600 DD	600	1.25	3000	3	744.570	6052724

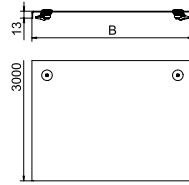
Transverse bead from 500 mm width.

Cover for cable trays and cable ladders with turn buckles.

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

VA VA 2B

Cover with turn buckle



Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL 100 A2	100	1.00	3000	3	105.070	6052878
DRL 150 A2	150	1.00	3000	3	144.400	6052886
DRL 200 A2	200	1.00	3000	3	183.500	6052894
DRL 300 A2	300	1.00	3000	3	262.240	6052908
DRL 400 A2	400	1.00	3000	3	340.400	6052932
DRL 500 A2	500	1.25	3000	3	625.340	6052959
DRL 600 A2	600	1.25	3000	3	743.240	6052975
DRL 100 A4	100	1.00	3000	3	105.070	6052980
DRL 150 A4	150	1.00	3000	3	144.400	6052982
DRL 200 A4	200	1.00	3000	3	183.570	6052981
DRL 300 A4	300	1.00	3000	3	262.240	6052983
DRL 400 A4	400	1.00	3000	3	341.240	6052984
DRL 500 A4	500	1.25	3000	3	624.900	6052985
DRL 600 A4	600	1.25	3000	3	743.240	6052986

Transverse bead from 500 mm width.

Cover for cable trays and cable ladders with three pairs of turn buckles.

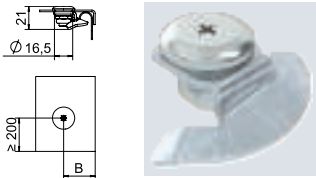
When using covers outdoors, additional measures against the influence of wind must be taken.

St FT

Turn buckle for screwing

Type	Pack Piece	Weight kg/100 pc.	Item no.
DRL H S FT	20	3.260	6065018

Turn buckle for additional installation or installation at a later date.
Depending on the cover version, dimension B varies as follows:
DRL / DRLU = 27 mm
DBKR = 27 mm
WDRL = 38 mm
WKLD = 58 mm
Single-sided turn buckle. Use for cover widths of 100–600 mm.

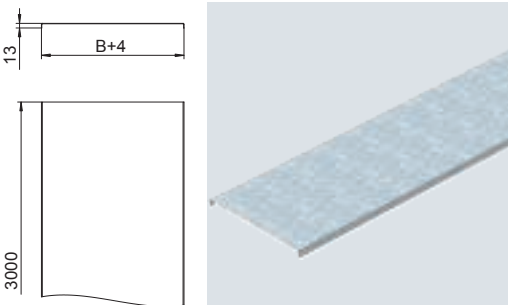


Lid, unperforated

St FS DD

Unperforated cover

Type	Dim. B mm	Metal thickness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRLU 050 FS	50	1.00	3000	3	59.767	6052056
DRLU 100 FS	100	1.00	3000	3	99.000	6052103
DRLU 150 FS	150	1.00	3000	3	138.267	6052153
DRLU 200 FS	200	1.00	3000	3	177.500	6052210
DRLU 300 FS	300	1.00	3000	3	256.000	6052307
DRLU 400 FS	400	1.00	3000	3	334.500	6052405
DRLU 500 FS	500	1.50	3000	3	619.234	6052512
DRLU 550 FS	550	1.50	3000	3	678.100	6052571
DRLU 600 FS	600	1.50	3000	3	737.000	6052609
DRLU 050 DD	50	0.75	3000	3	59.770	6052640
DRLU 100 DD	100	0.75	3000	3	99.000	6052643
DRLU 150 DD	150	0.75	3000	3	138.270	6052647
DRLU 200 DD	200	1.00	3000	3	177.500	6052650
DRLU 300 DD	300	1.00	3000	3	256.000	6052656
DRLU 400 DD	400	1.00	3000	3	334.500	6052662
DRLU 500 DD	500	1.25	3000	3	619.230	6052668
DRLU 550 DD	550	1.25	3000	3	678.100	6052671
DRLU 600 DD	600	1.25	3000	3	737.000	6052674

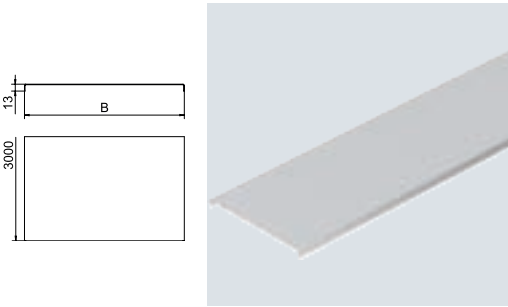


Cover for cable trays and mesh cable trays.
When using covers outdoors, additional measures against the influence of wind must be taken.
Transverse bead from 500 mm width.

VA VA 2B

Unperforated cover

Type	Dim. B mm	Metal thickness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRLU 050 A2	50	1.00	3000	3	59.770	6052821
DRLU 100 A2	100	1.00	3000	3	99.000	6052824
DRLU 150 A2	150	1.00	3000	3	138.240	6052828
DRLU 200 A2	200	1.00	3000	3	177.500	6052831
DRLU 300 A2	300	1.00	3000	3	256.000	6052834
DRLU 400 A2	400	1.00	3000	3	334.500	6052837
DRLU 500 A2	500	1.50	3000	3	619.167	6052841
DRLU 600 A2	600	1.50	3000	3	736.900	6052844
DRLU 050 A4	50	1.00	3000	3	59.767	6052978
DRLU 100 A4	100	1.00	3000	3	99.000	6052991
DRLU 150 A4	150	1.00	3000	3	138.240	6052992
DRLU 200 A4	200	1.00	3000	3	177.500	6052993
DRLU 300 A4	300	1.00	3000	3	256.000	6052994
DRLU 400 A4	400	1.00	3000	3	334.500	6052995
DRLU 500 A4	500	1.25	3000	3	619.170	6052996
DRLU 600 A4	600	1.25	3000	3	736.900	6052998

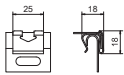


Cover for cable trays and mesh cable trays.
When using covers outdoors, additional measures against the influence of wind must be taken.
Transverse bead from 500 mm width.

Lid clamp

Cover clamp

VA 2B

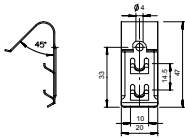


Type	Pack		Weight		Item no.
	Piece	kg/100 pc.			
DK DRLU A2	30	0.842			6052810

Cover clamp for secure fastening of covers on cable trays and cable ladders.
At least 6 cover clamps should be mounted for each 3 metres of cover.

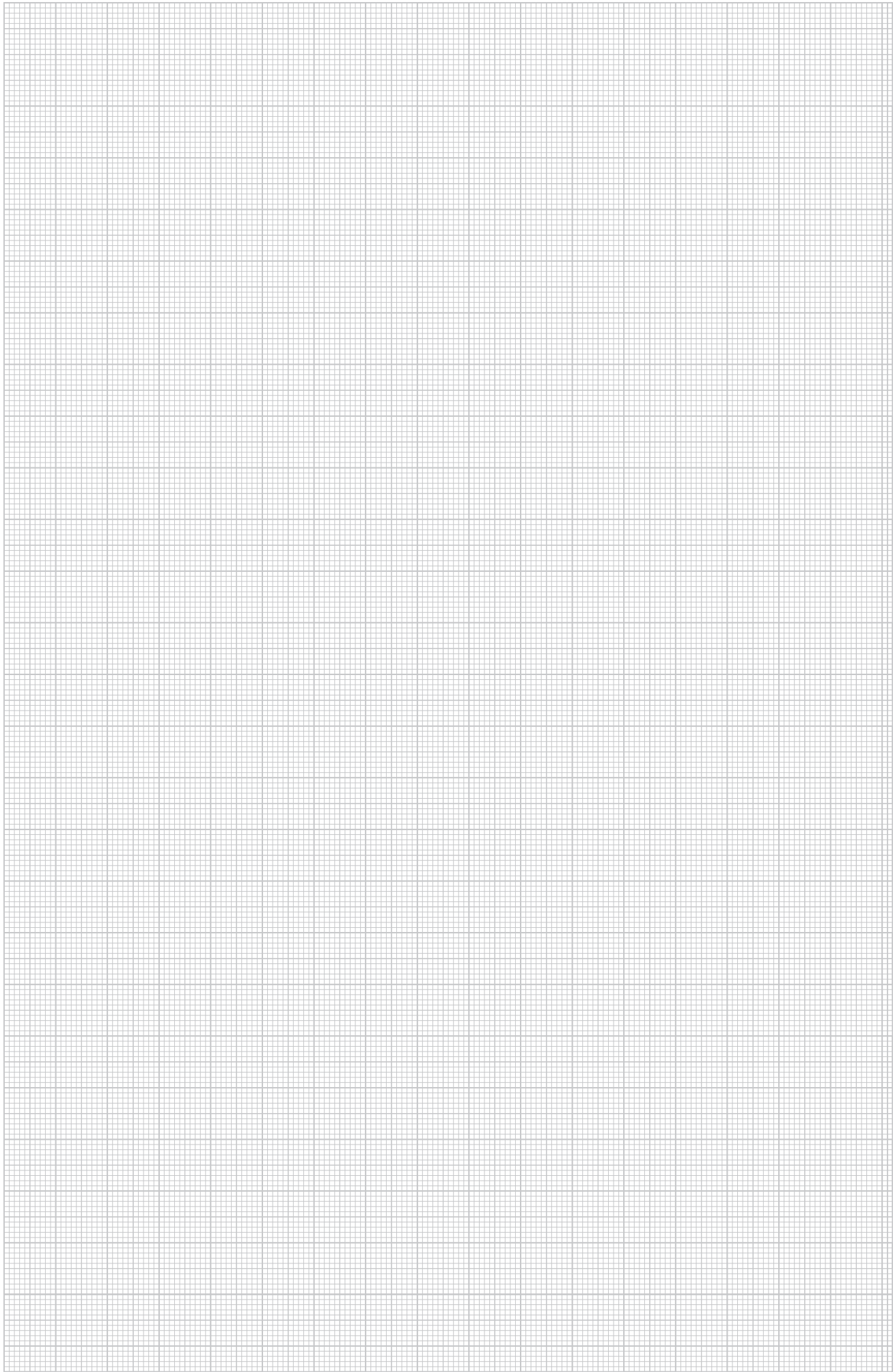
Cover clamp, universal

VA 2B



Type	Pack		Weight		Item no.
	Piece	kg/100 pc.			
DKU A2	20	0.794			6065600

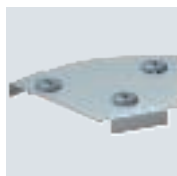
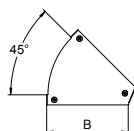
Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ small ducts.
The cover clamp is not suitable for use with mesh cable trays with a side height of 35 mm.
Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



Lid, horizontal bend

Cover for 45° Magic bend

St FS DD



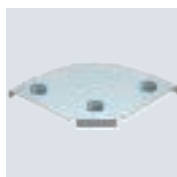
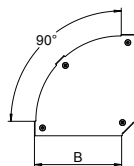
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFBM 45 100 FS	100	1.25	1	16.400	7138360
DFBM 45 150 FS	150	1.25	1	23.100	7138362
DFBM 45 200 FS	200	1.25	1	31.400	7138364
DFBM 45 300 FS	300	1.25	1	52.400	7138366
DFBM 45 400 FS	400	1.25	1	97.900	7138368
DFBM 45 500 FS	500	1.25	1	142.300	7138370
DFBM 45 600 FS	600	1.25	1	191.500	7138372
DFBM 45 100 DD	100	1.25	1	16.400	7138400
DFBM 45 150 DD	150	1.25	1	23.100	7138402
DFBM 45 200 DD	200	1.25	1	31.400	7138404
DFBM 45 300 DD	300	1.25	1	52.400	7138406
DFBM 45 400 DD	400	1.25	1	97.900	7138408
DFBM 45 500 DD	500	1.25	1	142.300	7138410
DFBM 45 600 DD	600	1.25	1	191.500	7138412

The cover can be used with fittings of all side heights.

Cover for 45° bend with pre-mounted turn buckles.

Cover for 90° Magic bend

St FS DD



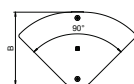
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFBM 90 100 FS	100	1.25	1	17.100	7138500
DFBM 90 150 FS	150	1.25	1	28.500	7138502
DFBM 90 200 FS	200	1.25	1	43.000	7138504
DFBM 90 300 FS	300	1.25	1	81.600	7138506
DFBM 90 400 FS	400	1.25	1	165.000	7138508
DFBM 90 500 FS	500	1.25	1	244.100	7138510
DFBM 90 600 FS	600	1.25	1	338.100	7138512
DFBM 90 100 DD	100	1.25	1	17.100	7138540
DFBM 90 150 DD	150	1.25	1	28.500	7138542
DFBM 90 200 DD	200	1.25	1	43.000	7138544
DFBM 90 300 DD	300	1.25	1	81.600	7138546
DFBM 90 400 DD	400	1.25	1	165.000	7138548
DFBM 90 500 DD	500	1.25	1	244.100	7138550
DFBM 90 600 DD	600	1.25	1	338.100	7138552

The cover can be used with fittings of all side heights.

Cover for 90° bend with premounted turn buckles.

Cover for variable Magic bend

St FS DD



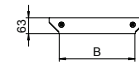
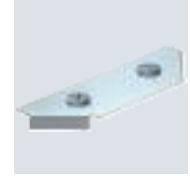
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFBMV 100 FS	100	1.00	1	17.300	6040760
DFBMV 150 FS	150	1.00	1	28.500	6040762
DFBMV 200 FS	200	1.00	1	42.800	6040764
DFBMV 300 FS	300	1.00	1	81.200	6040766
DFBMV 400 FS	400	1.25	1	164.400	6040768
DFBMV 500 FS	500	1.25	1	244.500	6040770
DFBMV 600 FS	600	1.25	1	340.600	6040772
DFBMV 100 DD	100	1.00	1	17.300	6040780
DFBMV 200 DD	200	1.00	1	42.800	6040784
DFBMV 300 DD	300	1.00	1	81.200	6040786
DFBMV 400 DD	400	1.25	1	164.400	6040788
DFBMV 500 DD	500	1.25	1	244.500	6040790
DFBMV 600 DD	600	1.25	1	340.600	6040792

Cover for the variable bend, adjustable to an angle of 0 to 90°, locking through turn buckle and through overlapping with cable tray cover.

St FS DD

Cover for Magic add-on tee

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFAAM 100 FS	100	1.25	1	12.400	7138640
DFAAM 150 FS	150	1.25	1	14.800	7138642
DFAAM 200 FS	200	1.25	1	17.300	7138644
DFAAM 300 FS	300	1.25	1	22.200	7138646
DFAAM 400 FS	400	1.25	1	32.800	7138648
DFAAM 500 FS	500	1.25	1	39.000	7138650
DFAAM 600 FS	600	1.25	1	45.100	7138652
DFAAM 100 DD	100	1.25	1	12.400	7138680
DFAAM 150 DD	150	1.25	1	14.800	7138682
DFAAM 200 DD	200	1.25	1	17.300	7138684
DFAAM 300 DD	300	1.25	1	22.200	7138686
DFAAM 400 DD	400	1.25	1	32.800	7138688
DFAAM 500 DD	500	1.25	1	39.000	7138690
DFAAM 600 DD	600	1.25	1	45.100	7138692



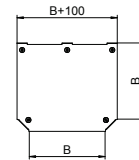
Cover for add-on tee with pre-mounted turn buckles.
The cover can be used with fittings of all side heights.

Lid, T piece

St FS DD

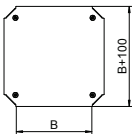
Cover for Magic tee

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFTM 100 FS	100	1.25	1	30.400	7138790
DFTM 150 FS	150	1.25	1	45.700	7138792
DFTM 200 FS	200	1.25	1	64.900	7138794
DFTM 300 FS	300	1.25	1	117.600	7138796
DFTM 400 FS	400	1.25	1	226.500	7138798
DFTM 500 FS	500	1.25	1	325.800	7138800
DFTM 600 FS	600	1.25	1	449.400	7138802
DFTM 100 DD	100	1.25	1	30.400	7138830
DFTM 150 DD	150	1.25	1	45.700	7138832
DFTM 200 DD	200	1.25	1	64.900	7138834
DFTM 300 DD	300	1.25	1	117.600	7138836
DFTM 400 DD	400	1.25	1	226.500	7138838
DFTM 500 DD	500	1.25	1	328.400	7138840
DFTM 600 DD	600	1.25	1	449.400	7138842



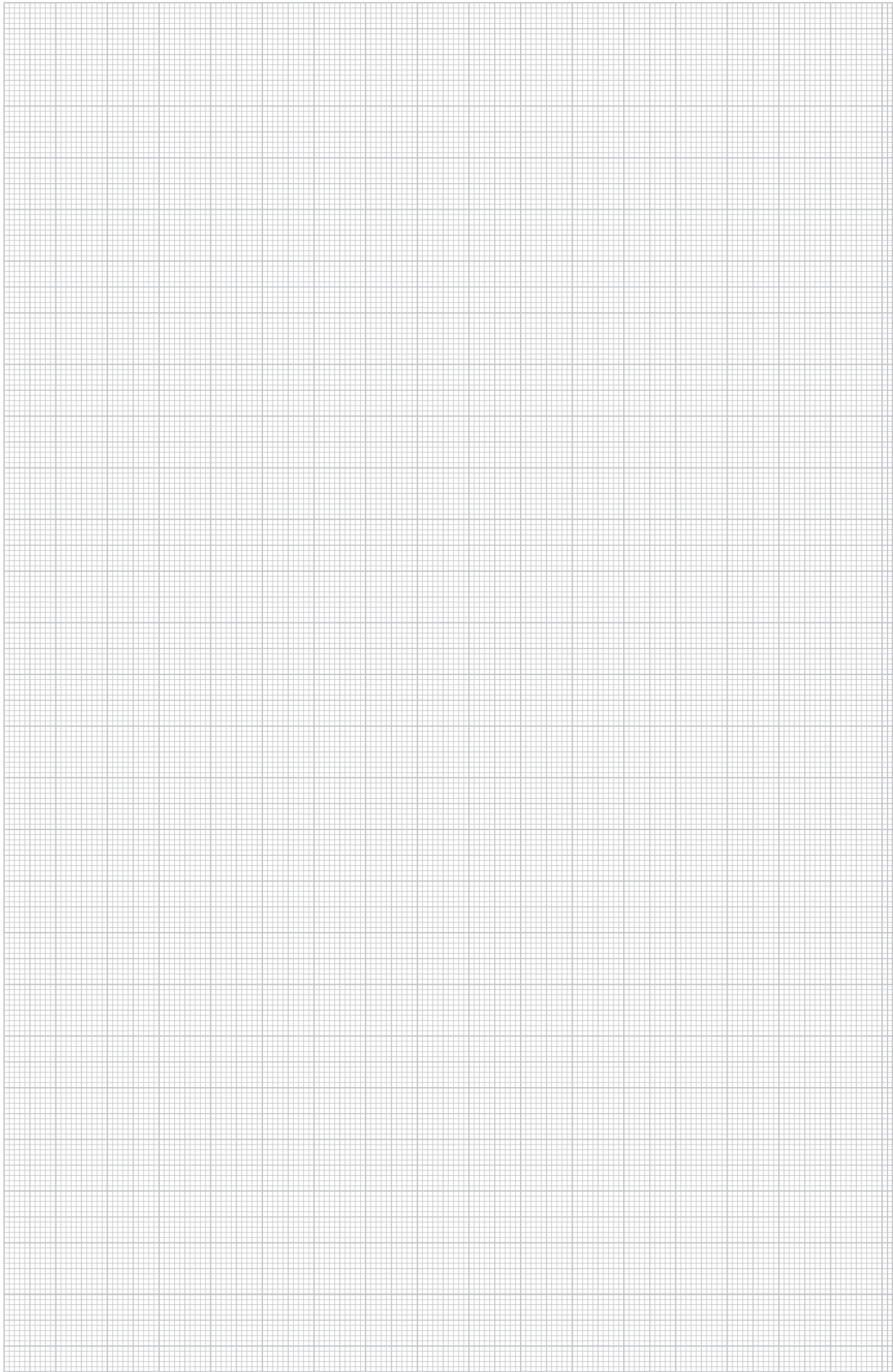
Cover for tee with pre-mounted turn buckle.
The cover can be used with fittings of all side heights.

Cover for Magic cross-over



Type	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFKM 100 FS	100	1.25	1	36.300	7138930
DFKM 150 FS	150	1.25	1	53.700	7138932
DFKM 200 FS	200	1.25	1	75.000	7138934
DFKM 300 FS	300	1.25	1	129.300	7138936
DFKM 400 FS	400	1.25	1	246.900	7138938
DFKM 500 FS	500	1.25	1	353.700	7138940
DFKM 600 FS	600	1.25	1	480.100	7138942
DFKM 100 DD	100	1.25	1	36.300	7138970
DFKM 200 DD	200	1.25	1	75.000	7138974
DFKM 300 DD	300	1.25	1	123.100	7138976
DFKM 400 DD	400	1.25	1	246.900	7138978
DFKM 500 DD	500	1.25	1	353.700	7138980
DFKM 600 DD	600	1.25	1	480.100	7138982

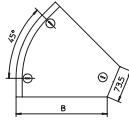
Cover for cross-over with pre-mounted turn buckles.
The cover can be used with fittings of all side heights.



Lid, horizontal bend

Cover for 45° bend

St FS DD

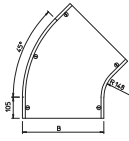


Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 45 100 FS	100	1.00	1	19.400	7128819
DFB 45 150 FS	150	1.00	1	27.800	7128827
DFB 45 200 FS	200	1.00	1	36.900	7128835
DFB 45 300 FS	300	1.00	1	60.200	7128851
DFB 45 100 DD	100	1.00	1	19.400	7131828
DFB 45 150 DD	150	1.00	1	27.800	7131836
DFB 45 200 DD	200	1.00	1	36.900	7131844
DFB 45 300 DD	300	1.00	1	60.200	7131860

The cover can be used with fittings of all side heights.
Cover for 45° bend with pre-mounted turn buckle.

Cover for 45° bend

St FS DD

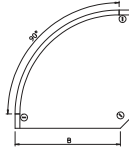


Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 45 400 FS	400	1.25	1	218.600	7128886
DFB 45 500 FS	500	1.25	1	252.800	7128908
DFB 45 550 FS	550	1.25	1	324.000	7128916
DFB 45 600 FS	600	1.25	1	362.800	7128924
DFB 45 400 DD	400	1.25	1	218.600	7131879
DFB 45 500 DD	500	1.25	1	252.800	7131887
DFB 45 550 DD	550	1.25	1	324.000	7131895
DFB 45 600 DD	600	1.25	1	362.800	7131909

The cover can be used with fittings of all side heights.
Cover for 45° bend with pre-mounted turn buckle.

Cover for 90° bend

St FS DD



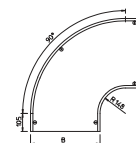
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 90 100 FS	100	1.00	1	27.000	7129610
DFB 90 150 FS	150	1.00	1	40.000	7129629
DFB 90 200 FS	200	1.00	1	56.000	7129637
DFB 90 300 FS	300	1.00	1	100.000	7129653
DFB 90 100 DD	100	1.00	1	27.000	7130511
DFB 90 150 DD	150	1.00	1	40.000	7130538
DFB 90 200 DD	200	1.00	1	56.000	7130546
DFB 90 300 DD	300	1.00	1	100.000	7130562

The cover can be used with fittings of all side heights.
Cover for 90° bend with pre-mounted turn buckles.

St FS DD

Cover for 90° bend

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 90 400 FS	400	1.25	1	340.000	7129688
DFB 90 500 FS	500	1.25	1	455.000	7129718
DFB 90 550 FS	550	1.25	1	517.000	7129726
DFB 90 600 FS	600	1.25	1	640.000	7129734
DFB 90 400 DD	400	1.25	1	400.000	7130589
DFB 90 550 DD	550	1.25	1	607.000	7130619
DFB 90 600 DD	600	1.25	1	750.000	7130627

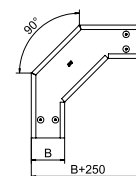
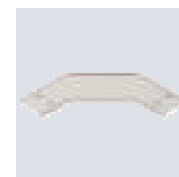


The cover can be used with fittings of all side heights.
Cover for 90° bend with pre-mounted turn buckles.

VA VA 2B

Cover for 90° bend

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 90 100 A2	100	1.00	1	65.000	7134908
DFB 90 200 A2	200	1.00	1	60.000	7134916
DFB 90 300 A2	300	1.00	1	102.200	7134924
DFB 90 100 A4	100	1.00	1	65.000	7134982
DFB 90 200 A4	200	1.00	1	60.000	7134988
DFB 90 300 A4	300	1.00	1	102.200	7134990

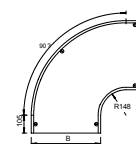


The cover can be used with fittings of all side heights.
The 100 mm width has a rectangular shape and does not correspond to the image.
Cover for 90° bend with pre-mounted turn buckles.

VA VA 2B

Cover for 90° bend

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFB 90 400 A2	400	1.25	1	340.000	7134932
DFB 90 500 A2	500	1.25	1	470.000	7134940
DFB 90 600 A2	600	1.25	1	589.700	7134967
DFB 90 400 A4	400	1.25	1	340.000	7134992
DFB 90 500 A4	500	1.25	1	470.000	7134994
DFB 90 600 A4	600	1.25	1	589.700	7134996

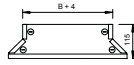


The cover can be used with fittings of all side heights.
Cover for 90° bend with pre-mounted turn buckles.

Lid, mounting/branch piece

Cover for add-on tee

St FS DD



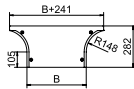
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFAA 100 FS	100	1.00	1	25.000	7128428
DFAA 150 FS	150	1.00	1	30.000	7128436
DFAA 200 FS	200	1.00	1	34.000	7128444
DFAA 300 FS	300	1.00	1	43.000	7128460
DFAA 100 DD	100	1.00	1	25.000	7131305
DFAA 200 DD	200	1.00	1	34.000	7131321
DFAA 300 DD	300	1.00	1	43.000	7131348

Cover for add-on tee with pre-mounted turn buckles.

The cover can be used with fittings of all side heights.

Cover for add-on tee

St FS DD



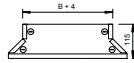
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFAA 400 FS	400	1.25	1	145.000	7128487
DFAA 500 FS	500	1.25	1	174.000	7128509
DFAA 550 FS	550	1.25	1	186.000	7128517
DFAA 600 FS	600	1.25	1	200.000	7128525
DFAA 400 DD	400	1.25	1	145.000	7131356
DFAA 500 DD	500	1.25	1	174.000	7131364
DFAA 550 DD	550	1.25	1	186.000	7131372
DFAA 600 DD	600	1.25	1	214.000	7131380

Cover for add-on tee with pre-mounted turn buckles.

The cover can be used with fittings of all side heights.

Cover for add-on tee

VA VA 2B



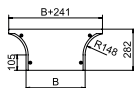
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFAA 100 A2	100	1.00	1	26.700	7136900
DFAA 200 A2	200	1.00	1	35.800	7136919
DFAA 300 A2	300	1.00	1	44.800	7136927
DFAA 200 A4	200	1.00	1	35.800	7136921
DFAA 300 A4	300	1.00	1	44.800	7136929

Cover for add-on tee with pre-mounted turn buckles.

The cover can be used with fittings of all side heights.

Cover for add-on tee

VA VA 2B



Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFAA 400 A2	400	1.25	1	176.800	7136935
DFAA 500 A2	500	1.25	1	208.000	7136943
DFAA 600 A2	600	1.25	1	240.000	7136978
DFAA 400 A4	400	1.25	1	176.800	7136937
DFAA 500 A4	500	1.25	1	210.000	7136944
DFAA 600 A4	600	1.25	1	243.300	7136980

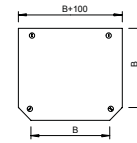
Cover for add-on tee with pre-mounted turn buckles.

The cover can be used with fittings of all side heights.

St FS DD

Cover for tee

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFT 100 FS	100	1.00	1	30.400	7128215
DFT 150 FS	150	1.00	1	40.000	7128223
DFT 200 FS	200	1.00	1	60.000	7128231
DFT 300 FS	300	1.00	1	115.000	7128266
DFT 100 DD	100	1.00	1	27.000	7129319
DFT 150 DD	150	1.00	1	45.000	7129327
DFT 200 DD	200	1.00	1	65.000	7129335
DFT 300 DD	300	1.00	1	125.000	7129351

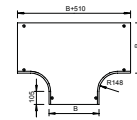


Cover for tee with pre-mounted turn buckle.
The cover can be used with fittings of all side heights.

St FS DD

Cover for tee

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFT 400 FS	400	1.25	1	505.000	7128282
DFT 500 FS	500	1.25	1	670.000	7128304
DFT 600 FS	600	1.25	1	854.000	7128320
DFT 400 DD	400	1.25	1	600.000	7129386
DFT 500 DD	500	1.25	1	798.000	7129408
DFT 550 DD	550	1.25	1	905.500	7129416
DFT 600 DD	600	1.25	1	1,019.000	7129424



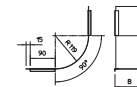
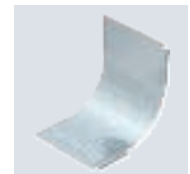
Cover for tee with pre-mounted turn buckle.
The cover can be used with fittings of all side heights.

Lid, vertical bend, rising

St FS DD

Cover for 90° vertical bend, rising

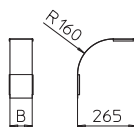
Type	Side height mm	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 100 S FS	60	100	0.75	1	21.000	7130805
DBV 150 S FS	60	150	0.75	1	30.000	7130809
DBV 200 S FS	60	200	0.75	1	39.000	7130813
DBV 300 S FS	60	300	0.75	1	49.000	7130817
DBV 400 S FS	60	400	0.75	1	68.000	7130821
DBV 500 S FS	60	500	0.75	1	86.000	7130825
DBV 600 S FS	60	600	0.75	1	105.000	7130829
DBV 100 S DD	60	100	0.75	1	34.000	7131508
DBV 150 S DD	60	150	0.75	1	50.000	7131509
DBV 200 S DD	60	200	0.75	1	66.000	7131510
DBV 300 S DD	60	300	0.75	1	81.000	7131514
DBV 400 S DD	60	400	0.75	1	113.000	7131518
DBV 500 S DD	60	500	0.75	1	144.000	7131524
DBV 600 S DD	60	600	0.75	1	176.000	7131527



Cover for all rising vertical bends.
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for 90° vertical bend, falling

St FS DD



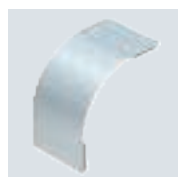
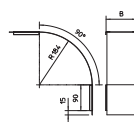
Type	Side height mm	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 35 100 F FS	35	100	0.75	1	23.000	7130764
DBV 35 150 F FS	35	150	0.75	1	37.000	7130768
DBV 35 200 F FS	35	200	0.75	1	45.000	7130772
DBV 35 300 F FS	35	300	0.75	1	67.000	7130776
DBV 35 100 F DD	35	100	0.75	1	23.000	7131592
DBV 35 150 F DD	35	150	0.75	1	37.000	7131594
DBV 35 200 F DD	35	200	0.75	1	45.000	7131596
DBV 35 300 F DD	35	300	0.75	1	67.000	7131600

Cover for falling vertical bends of side height 35 mm.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for 90° vertical bend, falling

St FS DD



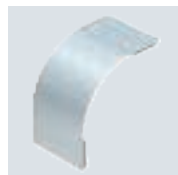
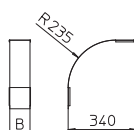
Type	Side height mm	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 60 100 F FS	60	100	0.75	1	25.200	7130852
DBV 60 150 F FS	60	150	0.75	1	36.900	7130856
DBV 60 200 F FS	60	200	0.75	1	48.700	7130860
DBV 60 300 F FS	60	300	0.75	1	72.300	7130864
DBV 60 400 F FS	60	400	0.75	1	95.800	7130868
DBV 60 500 F FS	60	500	0.75	1	119.300	7130872
DBV 60 600 F FS	60	600	0.75	1	142.800	7130876
DBV 60 100 F DD	60	100	0.75	1	42.100	7131632
DBV 60 150 F DD	60	150	0.75	1	61.700	7131634
DBV 60 200 F DD	60	200	0.75	1	81.300	7131636
DBV 60 300 F DD	60	300	0.75	1	120.400	7131640
DBV 60 400 F DD	60	400	0.75	1	159.600	7131644
DBV 60 500 F DD	60	500	0.75	1	198.800	7131648
DBV 60 600 F DD	60	600	0.75	1	238.000	7131652

Cover for falling vertical bends of side height 60 mm.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Cover for 90° vertical bend 85, falling

St FS DD



Type	Side height mm	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 85 100 F FS	85	100	0.75	1	27.100	7130990
DBV 85 200 F FS	85	200	0.75	1	52.500	7130994
DBV 85 300 F FS	85	300	0.75	1	77.800	7130998
DBV 85 400 F FS	85	400	0.75	1	103.200	7131002
DBV 85 500 F FS	85	500	0.75	1	128.500	7131006
DBV 85 600 F FS	85	600	0.75	1	153.900	7131010
DBV 85 100 F DD	85	100	0.75	1	45.200	7131672
DBV 85 200 F DD	85	200	0.75	1	87.500	7131676
DBV 85 300 F DD	85	300	0.75	1	129.700	7131680
DBV 85 400 F DD	85	400	0.75	1	172.000	7131684
DBV 85 500 F DD	85	500	0.75	1	214.200	7131688
DBV 85 600 F DD	85	600	0.75	1	256.000	7131692

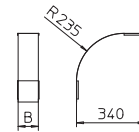
Cover for falling vertical bends of side height 85 mm.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

St FS DD

Cover for 90° vertical bend 110, falling

Type	Side height mm	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 110 100 F FS	110	100	0.75	1	29.000	7131030
DBV 110 150 F FS	110	150	0.75	1	42.600	7131032
DBV 110 200 F FS	110	200	0.75	1	56.200	7131034
DBV 110 300 F FS	110	300	0.75	1	83.400	7131038
DBV 110 400 F FS	110	400	0.75	1	110.600	7131042
DBV 110 500 F FS	110	500	0.75	1	137.800	7131046
DBV 110 600 F FS	110	600	0.75	1	165.000	7131052
DBV 110 550 F FS	110	550	0.75	1	151.400	7131050
DBV 110 100 F DD	110	100	0.75	1	48.300	7131556
DBV 110 200 F DD	110	200	0.75	1	93.700	7131560
DBV 110 300 F DD	110	300	0.75	1	139.000	7131564
DBV 110 400 F DD	110	400	0.75	1	184.300	7131568
DBV 110 500 F DD	110	500	0.75	1	229.700	7131572
DBV 110 600 F DD	110	600	0.75	1	275.000	7131576



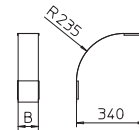
Cover for falling vertical bends of side height 110 mm.

The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

St DD

Cover for 90° vertical bend 110, falling

Type	Side height mm	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
DBV 110 550 F DD	110	550	0.75	1	252.300	7131574



Cover for falling vertical bends of side height 110 mm.

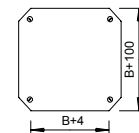
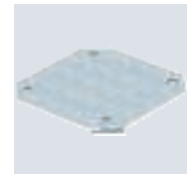
The fastening is guaranteed by the overlap of the cable tray covers. The cover can also be fastened using cover clamps.

Lid for intersection

St FS DD

Cover for cross-over

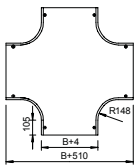
Type	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFK 100 FS	100	1.25	1	44.500	7128614
DFK 150 FS	150	1.25	1	62.500	7128622
DFK 200 FS	200	1.25	1	83.500	7128630
DFK 300 FS	300	1.25	1	138.500	7128657
DFK 100 DD	100	1.25	1	44.500	7131089
DFK 200 DD	200	1.25	1	83.500	7131100
DFK 300 DD	300	1.25	1	138.500	7131127



The cover can be used with fittings of all side heights.

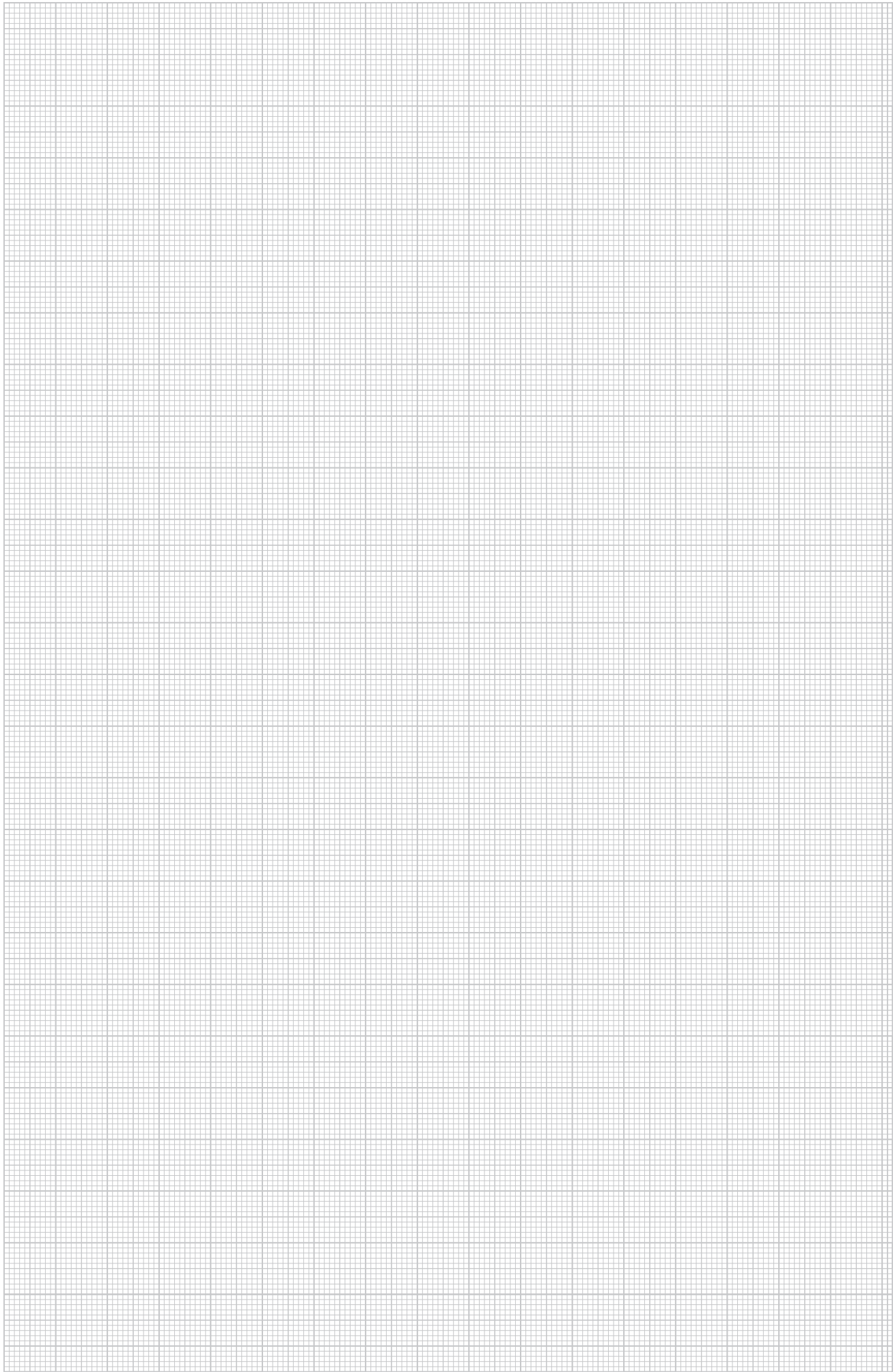
Cover for cross-over with pre-mounted turn buckles.

Cover for cross-over



Type	Dim. B mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
DFK 400 FS	400	1.25	1	624.000	7128673
DFK 500 FS	500	1.25	1	810.000	7128703
DFK 600 FS	600	1.25	1	1,020.000	7128738
DFK 400 DD	400	1.25	1	739.000	7131143
DFK 500 DD	500	1.25	1	965.000	7131178
DFK 600 DD	600	1.25	1	1,215.000	7131194

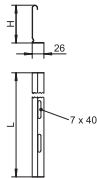
The cover can be used with fittings of all side heights.
Cover for cross-over with pre-mounted turn buckles.



Separating retainers

Barrier strip 30

St FS DD

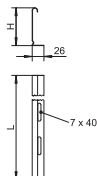


Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 30 FS	30	0.75	3000	3	38.000	6062050
TSG 30 DD	30	0.75	3000	3	38.000	6062314

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

Barrier strip 30

VA VA 2B

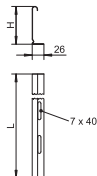


Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 30 A2	30	0.75	3000	3	37.997	6062052
TSG 30 A4	30	0.75	3000	3	37.997	6062054

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

Separating retainer 45

St FS DD

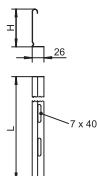


Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 45 FS	45	0.75	3000	3	46.700	6062033
TSG 45 DD	45	0.75	3000	3	46.812	6062321

Separating retainer for separation of cables of different voltages or functions.

Separating retainer 45

VA VA 2B

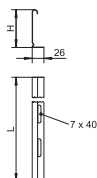


Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 45 A2	45	0.75	3000	3	46.812	6062025
TSG 45 A4	45	0.75	3000	3	46.812	6062028

Separating retainer for separation of cables of different voltages or functions.

Separating retainer 60

St FS DD



Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 60 FS	60	0.75	3000	3	55.700	6062068
TSG 60 DD	60	0.75	3000	3	55.700	6062327

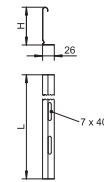
Separating retainer for separation of cables of different voltages or functions.

VA VA 2B

Separating retainer 60

Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 60 A2	60	0.75	3000	3	55.660	6062084
TSG 60 A4	60	0.75	3000	3	55.670	6062086

Separating retainer for the separation of cables of different voltages or functions.

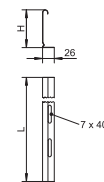


St FS DD

Barrier strip 85

Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 85 FS	85	0.75	3000	3	70.233	6062114
TSG 85 DD	85	0.75	3000	3	70.300	6062331

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

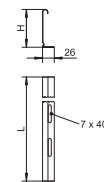


VA 2B

Barrier strip 85

Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 85 A2	85	0.75	3000	3	70.351	6062173

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

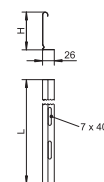


St FS DD

Separating retainer 110

Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 110 FS	110	0.75	3000	3	85.000	6062122
TSG 110 DD	110	0.75	3000	3	85.000	6062335

Separating retainer for separation of cables of different voltages or functions.

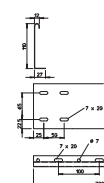


VA 2B

Barrier strip 110

Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 110 A2	110	0.75	3000	3	85.076	6062255

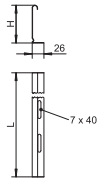
Barrier strip for separation of cables of different voltages or functions.



Separating retainers

Barrier strip 135

St DD



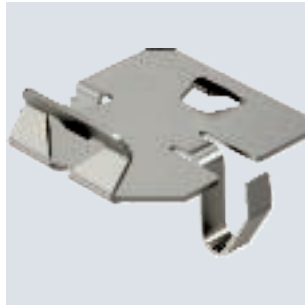
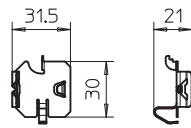
Type	Dim. H mm	Metal thick- ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 135 DD	135	0.75	3000	3	100.000	6062338

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

Clamping pieces

Hold-down clamp for separating retainer fastening in RKSM

VA 2B



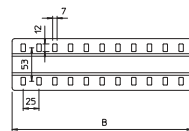
Type	Pack Piece	Weight kg/100 pc.	Item no.
KS KR A2	30	0.537	6062280

Hold-down clamp for screwless fastening of separating retainers in the cable tray types RKSM, MKS and SKS.

Joint plates

Joint plate

St FS DD



Type	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
SSLB 100 FS	100	20	7.700	7070205
SSLB 150 FS	150	20	14.000	7070209
SSLB 200 FS	200	20	18.500	7070213
SSLB 300 FS	300	20	29.200	7070217
SSLB 400 FS	400	20	38.200	7070221
SSLB 500 FS	500	20	49.000	7070225
SSLB 550 FS	550	20	53.500	7070229
SSLB 600 FS	600	20	58.000	7070233
SSLB 100 DD	100	20	7.700	7070306
SSLB 150 DD	150	20	14.000	7070310
SSLB 200 DD	200	20	18.500	7070314
SSLB 300 DD	300	20	29.200	7070318
SSLB 500 DD	500	20	49.000	7070326
SSLB 550 DD	550	20	53.500	7070330
SSLB 600 DD	600	20	58.000	7070334

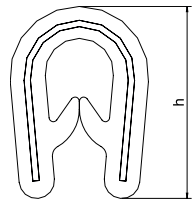
Wide joint plate for use in all cable trays and wide span cable trays.
Including appropriate fastening material.

PVC

Edge protection strip, black

Type	For metal thickness mm	Dim. mm	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
KSB 2 PVC	0.75-2	10	Black	10000	10	8.000	6072909
KSB 4 PVC	1.5-4	15	Black	10000	10	15.000	6072895
KSB 4 PVC GRW	1.5-4	15	Grey-white	10000	10	15.000	6072897

Edge protection strip with steel inlay to cover cut plate ends. Black, UV-resistant version.



Cable trays



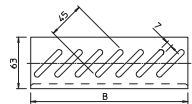
Floor end plates

St FS DD

Bottom end plate

Type	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
BEB 050 FS	50	1	2.215	7083041
BEB 100 FS	100	1	4.599	7083106
BEB 150 FS	150	1	6.983	7083157
BEB 200 FS	200	1	9.367	7083203
BEB 300 FS	300	1	14.100	7083300
BEB 400 FS	400	1	18.900	7083408
BEB 500 FS	500	1	23.700	7083505
BEB 550 FS	550	1	26.100	7083556
BEB 600 FS	600	1	28.400	7083602
BEB 050 DD	50	1	2.215	7083616
BEB 100 DD	100	1	4.599	7083618
BEB 150 DD	150	1	6.983	7083622
BEB 200 DD	200	1	9.367	7083626
BEB 300 DD	300	1	14.100	7083630
BEB 400 DD	400	1	18.900	7083634
BEB 500 DD	500	1	23.700	7083638
BEB 550 DD	550	1	26.100	7083640
BEB 600 DD	600	1	28.400	7083642

For fastening, please order screws, type FRSB M6x12, separately.
Bottom end plate for floor reinforcement at the ends of the cable tray and as cable protection.



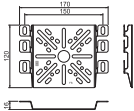
Mounting plates

St VA FS DD 2B

Mounting plate

Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP UNI FS	120	170	1	13.300	7084773
MP UNI DD	120	170	1	11.000	7085114
MP UNI A2	120	170	1	11.000	7085133

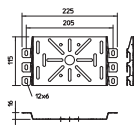
Please order the truss-head bolt, type FRSB 6 x 12, separately.
Mounting plate, for fastening on the side rail of cable support systems.



Mounting plates

Mounting plate

St FS



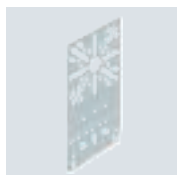
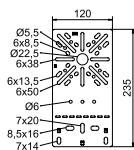
Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP 225 UNI FS	115	225	1	20.000	7084870

Please order the truss-head bolt, type FRSB 6 x 12, separately.

Mounting plate for universal use on side rails of cable trays and mesh cable trays.

Mounting plate, flat

St FS DD



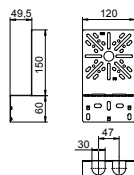
Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP FL FS	235	120	1	19.200	7084757
MP FL DD	235	120	1	19.200	7085108

Please order the truss-head bolt, type FRS B6 x 12, separately.

Flat mounting plate, for fastening on the side rail of the cable tray.

Mounting plate, angled

St FS DD



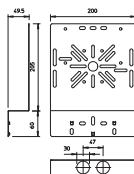
Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP WI KL. FS	210	120	1	20.200	7084765
MP WI KL. DD	210	120	1	20.200	7085111

Please order the truss-head bolt, type FRS B6 x 12, separately.

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

Mounting plate, angled, wide

St FS DD



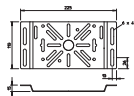
Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP WI GR. FS	240	200	1	39.400	7084781
MP WI GR. DD	240	200	1	39.400	7085112

Please order the truss-head bolt, type FRS B6 x 12, separately.

Angled mounting plate, for fastening on the side rail of the cable tray.

Mounting plate FS

St FS



Type	Height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MP FS	110	225	1	20.000	7084919

Mounting plate for fastening on the side rail of the cable tray. All kinds of junction boxes and switching devices can be fastened to the mark.

Technical drawing of a mechanical part. The drawing shows a top view and a side view. The top view is a rectangle with a width of B and a height of H . Inside the rectangle, there is a smaller rectangle with a width of y and a height of 7×15 . The side view shows a profile with a width of x and a height of 40 .

PC

Technical drawing of the front view of a mechanical part. The drawing shows a central vertical structure with two horizontal arms extending outwards. Dimensions are indicated as follows: a small horizontal dimension of 5 at the top left; a vertical dimension of 139 from the top of the central structure to the bottom; a vertical dimension of 123 from the top of the central structure to the top of the horizontal arms; a vertical dimension of 67 from the top of the horizontal arms to the bottom; a horizontal dimension of 104 between the outer edges of the horizontal arms; a horizontal dimension of 88 between the inner edges of the horizontal arms; a horizontal dimension of 50 between the centerlines of the horizontal arms; and a vertical dimension of 103 from the top of the horizontal arms to the bottom of the central structure.



TrayFix stands

Technical drawing of a 100mm diameter pipe with a 10mm thick wall. The drawing shows a top view with a diameter of 295mm and a side view with a height of 83.5mm.



-
- Technical drawing of a cylindrical component. The top view shows a diameter of $\varnothing 295$. The side view shows a height of 83.5.



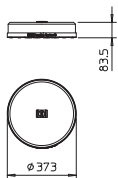
-



- OBC

TrayFix stands

Stand - TrayFix set 16 S



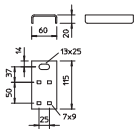
Type	From tray width mm	Pack Piece	Weight kg/100 pc.	Item no.
TrayFix-16-S	100	1	1,700.000	5403099

• Mounting system for the fastening of mesh cable trays with the FangFix base, e.g. for cable routing on a flat roof.
• Matches OBO mesh cable tray systems with a minimum width of 100 mm
• Set consisting of TrayFix mounting adapter and concrete block incl. base for FangFix system 16 kg

Connection components

Connection component

St FT

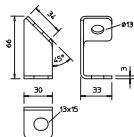


Type	Pack Piece	Weight kg/100 pc.	Item no.
ABR FT	20	24.648	6364942

The connection component is the connection between the threaded rod lock and the suspension system for the routing types with cable trays for the maintenance of electrical function to DIN 4102 Part 12. Including bolts and nuts.

Connection component, sloping

St FS FT

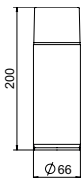


Type	Pack Piece	Weight kg/100 pc.	Item no.
ABS FS	20	7.200	6365027
ABS FT	20	7.800	6365035

The connection component is the connecting element for the sloping arrangement of the threaded rod locking for wall mounting of the standard routing types with cable ladders and cable trays for the maintenance of electrical function to DIN 4102 Part 12.

Surface refinements

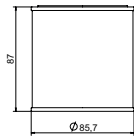
Zinc repairs



Type	Pack Piece	Weight kg/100 pc.	Item no.
ZSF	1	45.000	2362970

The zinc spray can be used in the temperature range - 20 °C to 150 °C.
Zinc spray for treatment of unprotected surfaces and cutting edges. Can contents: 400 ml.

Zinc repair paint



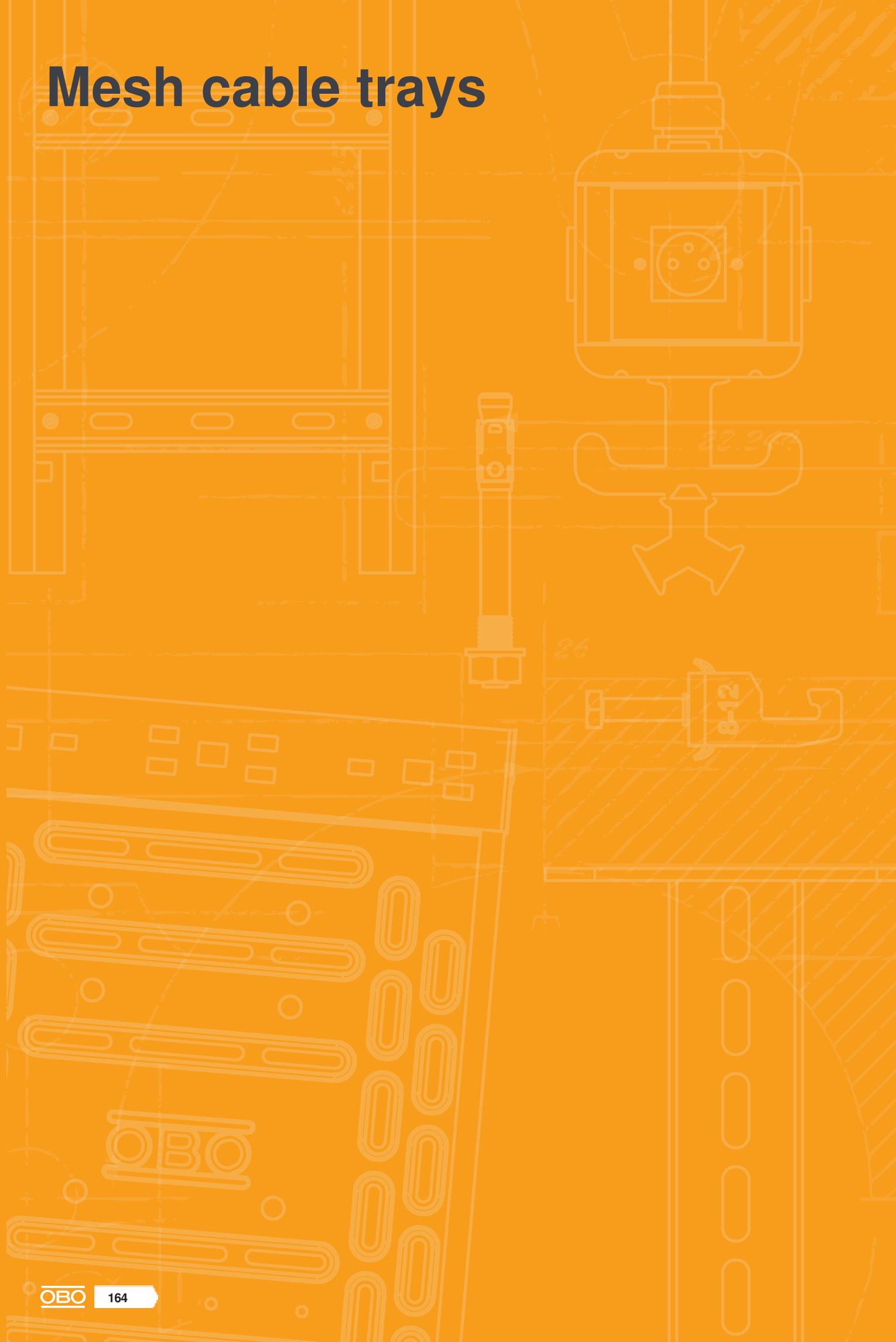
Type	Pack Piece	Weight kg/100 pc.	Item no.
ZABF	1	86.000	2362979

Zinc repair paint for blank areas on the hot galvanised steel parts, to eliminate grinding and welding damage on the galvanisation and to adapt ungalvanised small parts on galvanised structures.
Resistant to normal weathering influences. Light shade, similar to zinc. Before paint application, the substrate must be carefully cleaned and roughened. Paint application with a brush.





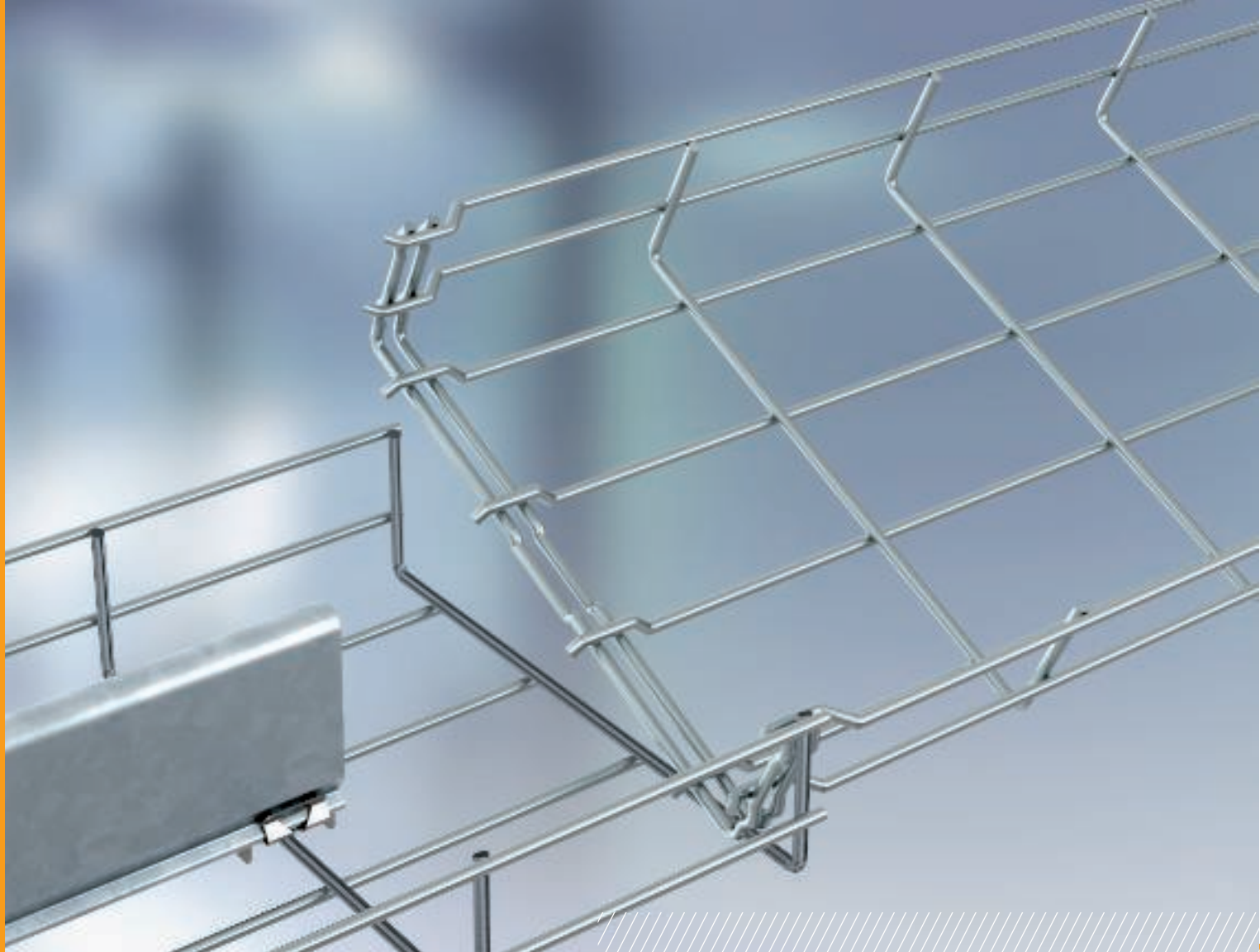
Mesh cable trays



Mesh cable trays

	Mesh cable trays, plug connection	166
	Mesh cable trays, screw connection	194
	Mesh cable trays, screw connection fittings	204
	Connector	206
	Lid	210
	Accessories, mesh cable trays	212



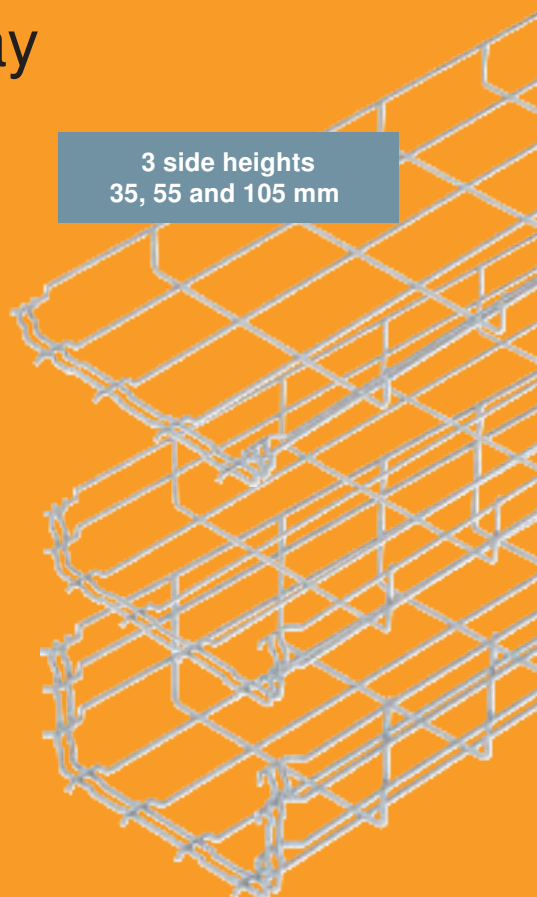


GR-Magic® mesh cable tray

The GR-Magic® mesh cable tray system with shaped connector for screwless quick mounting guarantees the shortest possible mounting times, even for complex installation operations.

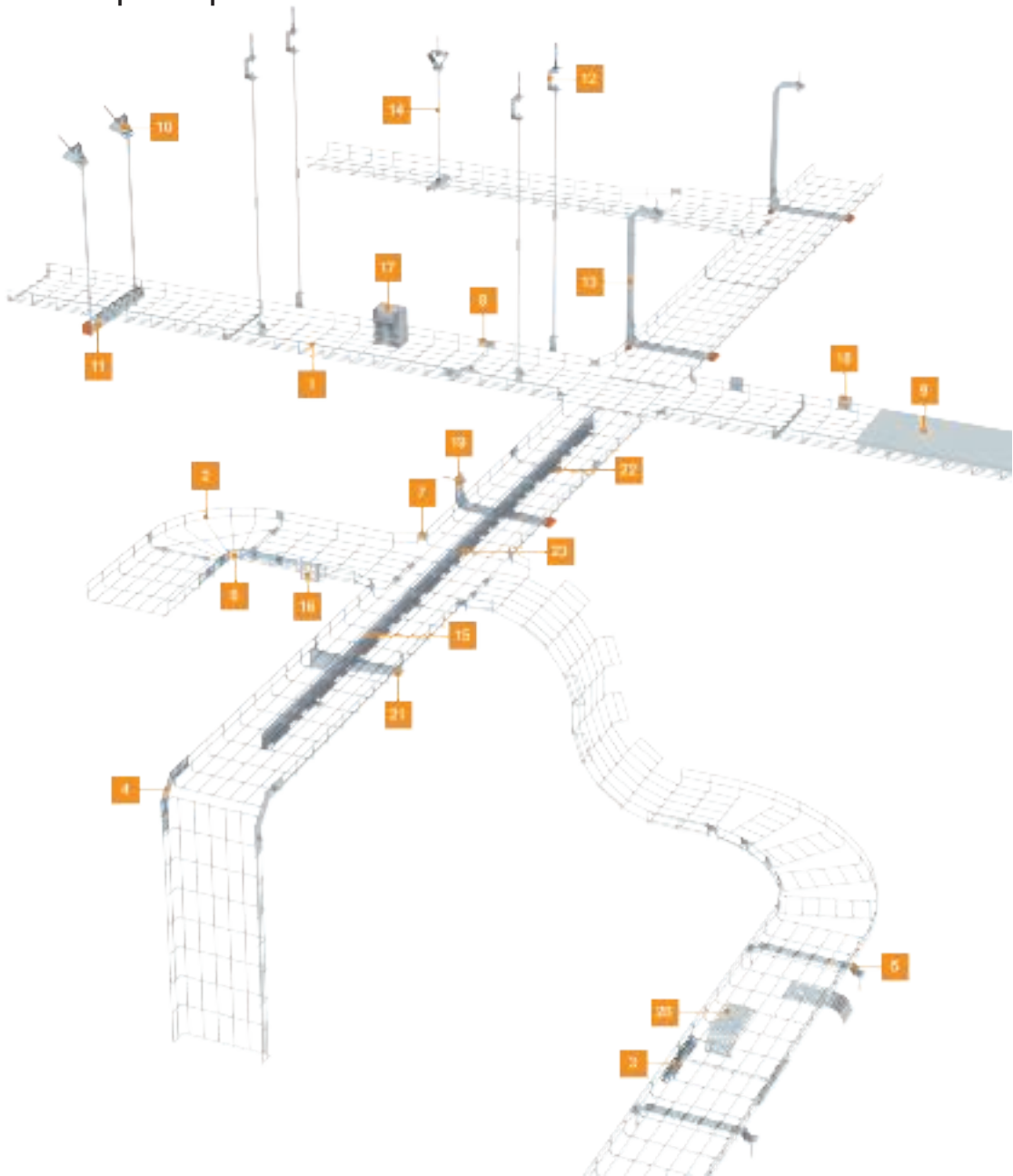
3 side heights
35, 55 and 105 mm

- Fast and secure connection through plug connection
- Locking system accessory, such as the barrier strips
- Maintenance of electrical function, tested
- Equipotential bonding without additional components
- VDE and UL approved mesh cable tray system



GR-Magic® mesh cable tray

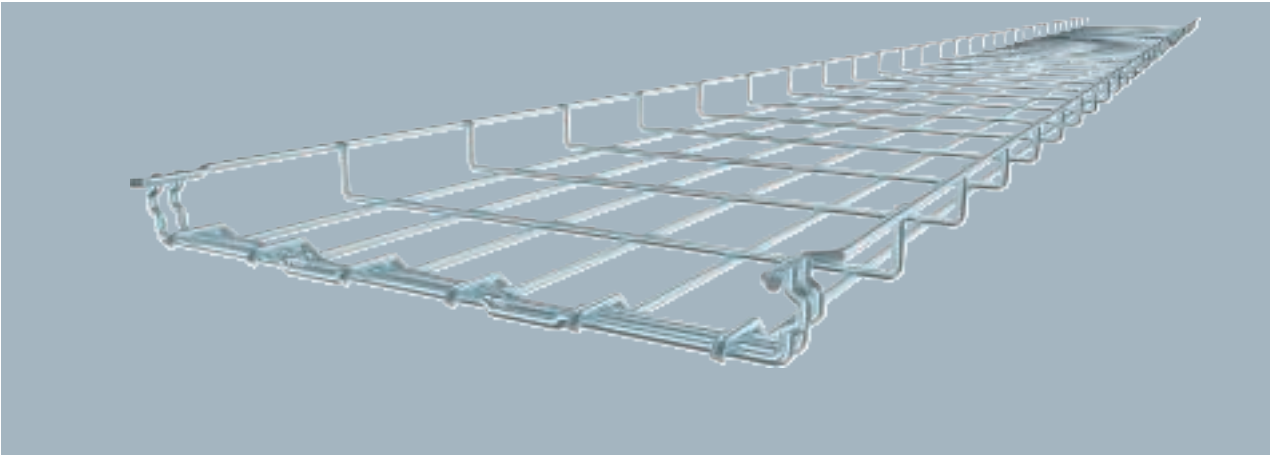
Installation principle



1	GR-Magic mesh cable tray		13	TP suspended support	TPS
2	90° mesh cable tray bend	GRB 90	14	Central suspension, GMS	GMS
3	Mesh cable tray connector, long	GRV	15	Barrier strip	TSG
4	90° mounting bracket	MW 90	16	Mounting plate	MPG
5	Stand-off bracket	GKT	17	Fastening element for junction box	MP
6	Slotted steel strap, bent	OSG	18	Wall and ceiling bracket	TPD
7	Corner connector	GEV	19	Wall and support bracket TPSAG	TPSAG
8	Joint connector	GSV	20	Cable exit plate	KAB GR
9	Cover, unperforated	DGRR	21	AWG 15 wall and support bracket	AWG 15
10	Ceiling clamp, variable	GKS	22	Hold-down clamp for barrier strip fastening	GKS 50
11	Mounting rail, MS 41	MS 41	23	Barrier strip connector	KS GR
12	Ceiling bracket	TPD			

Mesh cable tray GR-Magic® 35

St G

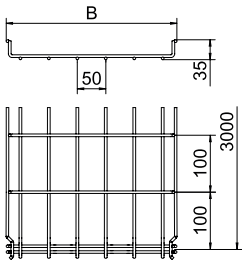


Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
GRM 35 50 G	50	3.9	3	45.000	6000060
GRM 35 100 G	100	3.9	3	50.333	6000062
GRM 35 150 G	150	3.9	3	63.333	6000063
GRM 35 200 G	200	3.9	3	76.667	6000064
GRM 35 300 G	300	4.8	3	159.000	6000066

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).
Mesh cable tray with shaped connector of side height 35 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

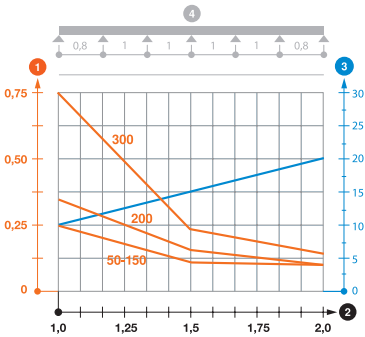
Type	Length mm	Usable	
		Dim. B mm	cross-section cm²
GRM 35 50 G	3000	52	17.5
GRM 35 100 G	3000	100	35
GRM 35 150 G	3000	150	52.5
GRM 35 200 G	3000	200	70
GRM 35 300 G	3000	300	105

Dimensions



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

Load



Load diagram, GR-Magic mesh cable tray, type GRM 35

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

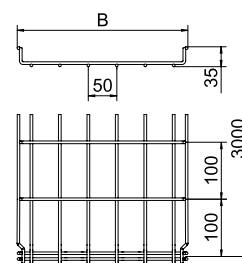
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).

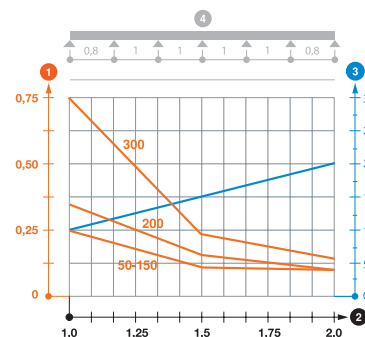
Mesh cable tray with shaped connector of side height 35 mm.

Magnetic shield insulation without cover 15 dB, with cover 25 dB.

Dimensions



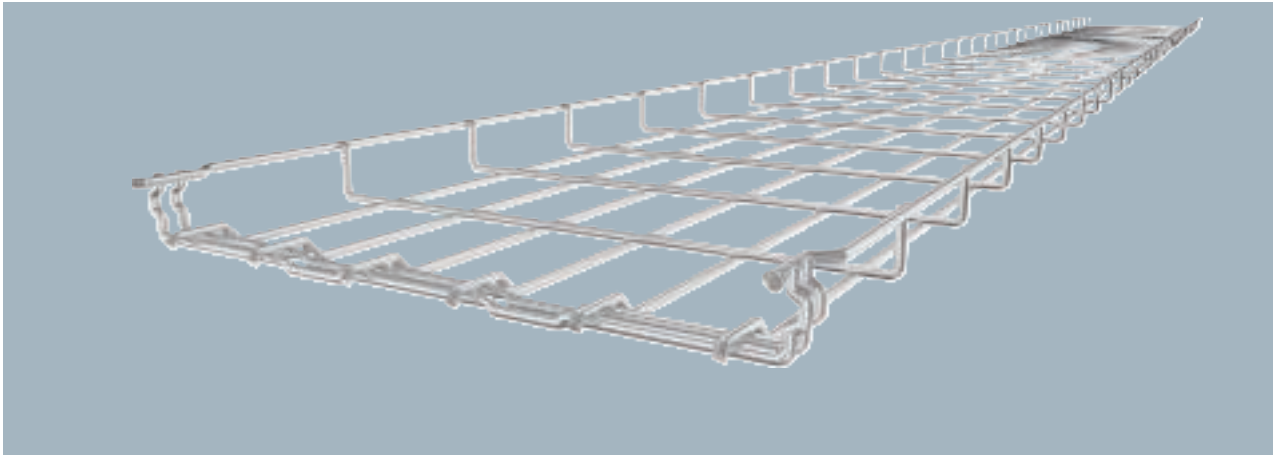
Load



1 Permitted cable tray/ladder load in kN/m without man load

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

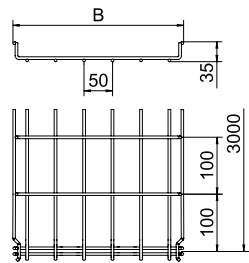
Mesh cable tray GR-Magic® 35



No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 35/50 = 20 x 100 mm).
Mesh cable tray with shaped connector of side height 35 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.

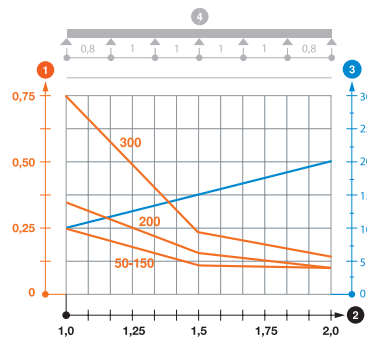
Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
GRM 35 50 A4	50	3.9	3	45.000	6000086
GRM 35 100 A4	100	3.9	3	49.000	6000087
GRM 35 150 A4	150	3.9	3	63.333	6000089
GRM 35 200 A4	200	3.9	3	76.000	6000090
GRM 35 300 A4	300	4.8	3	159.000	6000091

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
GRM 35 50 A4	3000	52	17.5
GRM 35 100 A4	3000	100	35
GRM 35 150 A4	3000	150	52.5
GRM 35 200 A4	3000	200	70
GRM 35 300 A4	3000	300	105

Load



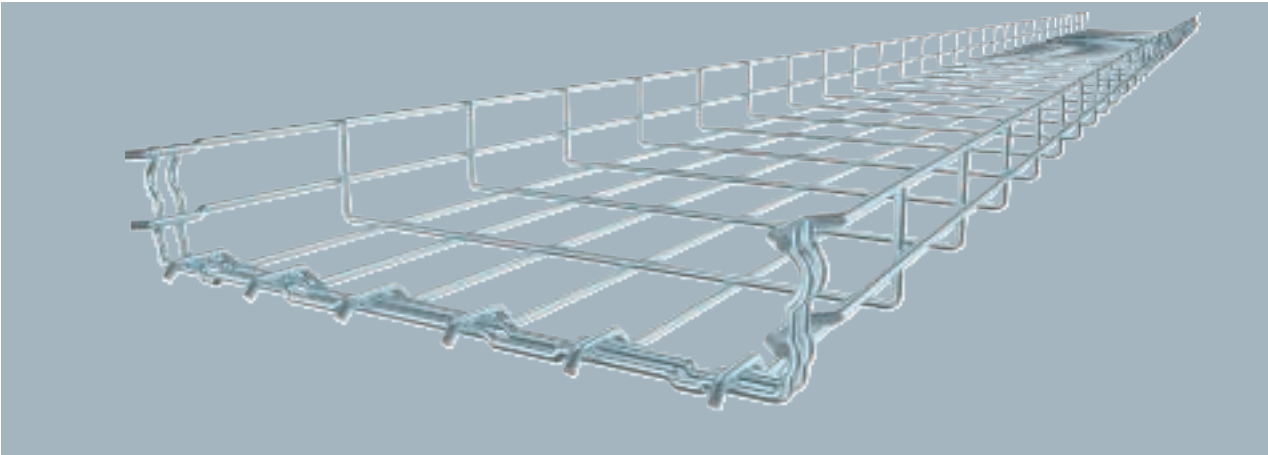
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
GRM 35 50 A4	0.25	0.11	0.1
GRM 35 100 A4	0.25	0.11	0.1
GRM 35 150 A4	0.25	0.11	0.1
GRM 35 200 A4	0.3	0.14	0.1
GRM 35 300 A4	0.75	0.22	0.15

Load diagram, GR-Magic mesh cable tray, type GRM 35

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

GR-Magic® 55 mesh cable tray

St G



Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM 55 50 G	50	3.9	3	67.000	6001441
GRM 55 100 G	100	3.9	3	72.000	6001442
GRM 55 150 G	150	3.9	3	85.667	6001444
GRM 55 200 G	200	3.9	3	100.667	6001446
GRM 55 300 G	300	4.8	3	192.333	6001448
GRM 55 400 G	400	4.8	3	234.667	6001450
GRM 55 500 G	500	4.8	3	276.667	6001452
GRM 55 600 G	600	4.8	3	320.000	6001454
GRM 55 450 G	450	4.8	3	241.333	6001451

Mesh cable tray with shaped connector of side height 55 mm. Magnetic shield insulation without cover 15 dB, with cover 25 dB. You can find detailed information regarding the UL classification in the respective certification.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm). Tested for the maintenance of electrical function according to DIN 4102 Part 12 (type: GRM 55 200 4.8 G, GRM 55 300 G, GRM 55 400 G, mounting work and parameters according to valid test certificate).

Tested for installation above suspended fire protection ceilings (type: GRM 55 100 G, GRM 55 200 G, GRM 55 300 G, GRM 55 400 G, fire load 30 minutes, mounting work and parameters according to fire protection reports).

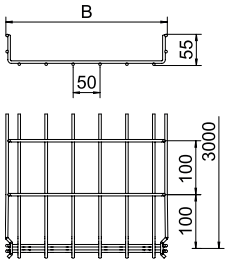
Type	Length mm	Usable Dim. B mm	cross- section cm²
GRM 55 50 G	3000	52	16
GRM 55 100 G	3000	100	40
GRM 55 150 G	3000	150	63
GRM 55 200 G	3000	200	87
GRM 55 300 G	3000	300	129
GRM 55 400 G	3000	400	175
GRM 55 500 G	3000	500	220
GRM 55 600 G	3000	600	265
GRM 55 450 G	3000	450	195

	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m
GRM 55 50 G	0.35	0.2	0.1	0.1
GRM 55 100 G	0.35	0.2	0.1	0.1
GRM 55 150 G	0.35	0.2	0.1	0.1
GRM 55 200 G	0.35	0.2	0.1	0.1
GRM 55 300 G	0.7	0.5	0.25	0.2
GRM 55 400 G	0.9	0.6	0.3	0.25
GRM 55 500 G	0.9	0.6	0.3	0.25
GRM 55 600 G	0.9	0.6	0.3	0.25
GRM 55 450 G	0.9	0.6	0.3	0.25

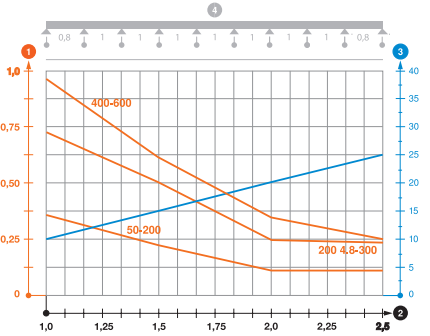
Load diagram, GR-Magic mesh cable tray, type GRM 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

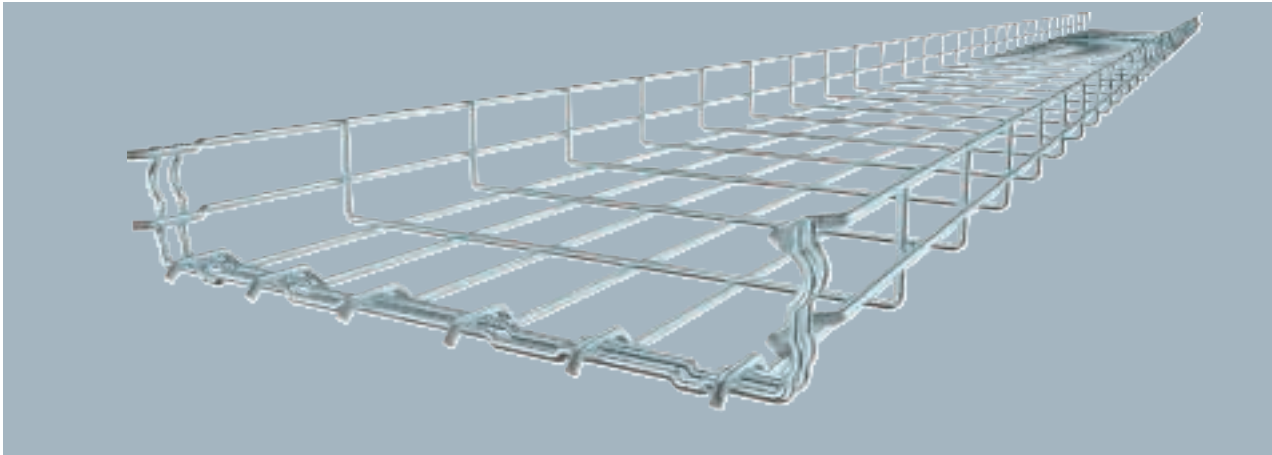
Dimensions



Load



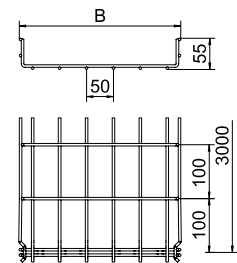
Mesh cable tray GR-Magic® 55



Mesh cable tray with shaped connector of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
You can find detailed information regarding the UL classification in the respective certification.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).

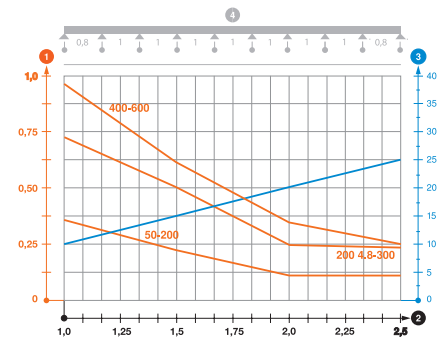
Type	Wire		Pack	Weight	Item no.
	Width	Ø			
GRM 55 50 FT	50	3.9	3	72.333	6001415
GRM 55 100 FT	100	3.9	3	74.667	6001416
GRM 55 150 FT	150	3.9	3	90.000	6001418
GRM 55 200 FT	200	3.9	3	102.000	6001420
GRM 55 300 FT	300	4.8	3	200.667	6001424
GRM 55 400 FT	400	4.8	3	245.000	6001428
GRM 55 500 FT	500	4.8	3	288.333	6001432
GRM 55 600 FT	600	4.8	3	331.333	6001436

Dimensions



Type	Length	Usable	
		Dim.	cross-section
GRM 55 50 FT	3000	52	16
GRM 55 100 FT	3000	100	40
GRM 55 150 FT	3000	150	63
GRM 55 200 FT	3000	200	87
GRM 55 300 FT	3000	300	129
GRM 55 400 FT	3000	400	175
GRM 55 500 FT	3000	500	220
GRM 55 600 FT	3000	600	265

Load



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

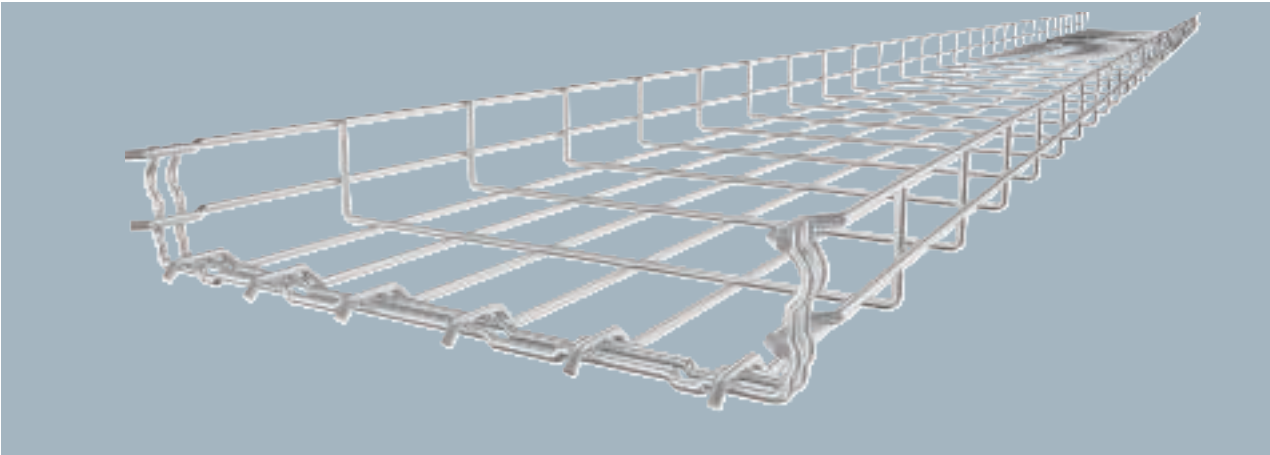
Load diagram, GR-Magic mesh cable tray, type GRM 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Mesh cable tray GR-Magic® 55

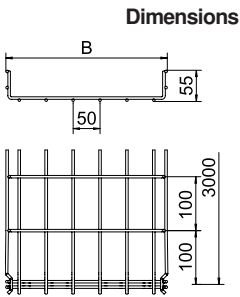
VA 2B



Type	Wire			Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm	BS			
GRM 55 50 A2	50	3.9		3	67.000	6001070
GRM 55 100 A2	100	3.9		3	72.000	6001072
GRM 55 150 A2	150	3.9		3	85.667	6001074
GRM 55 200 A2	200	3.9		3	99.000	6001076
GRM 55 300 A2	300	4.8		3	192.333	6001078
GRM 55 400 A2	400	4.8		3	234.667	6001080
GRM 55 500 A2	500	4.8		3	276.667	6001082
GRM 55 600 A2	600	4.8		3	320.000	6001085

Mesh cable tray with shaped connector of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).

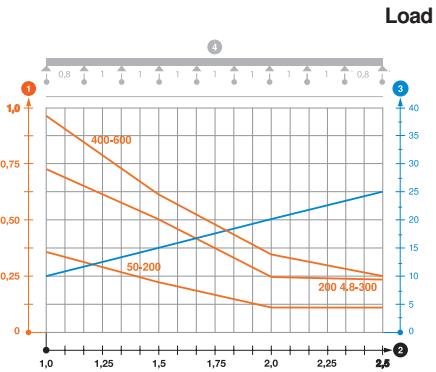
Type	Length mm	Dim. B mm	Usable cross- section cm²
GRM 55 50 A2	3000	52	16
GRM 55 100 A2	3000	100	40
GRM 55 150 A2	3000	150	63
GRM 55 200 A2	3000	200	87
GRM 55 300 A2	3000	300	129
GRM 55 400 A2	3000	400	175
GRM 55 500 A2	3000	500	220
GRM 55 600 A2	3000	600	265



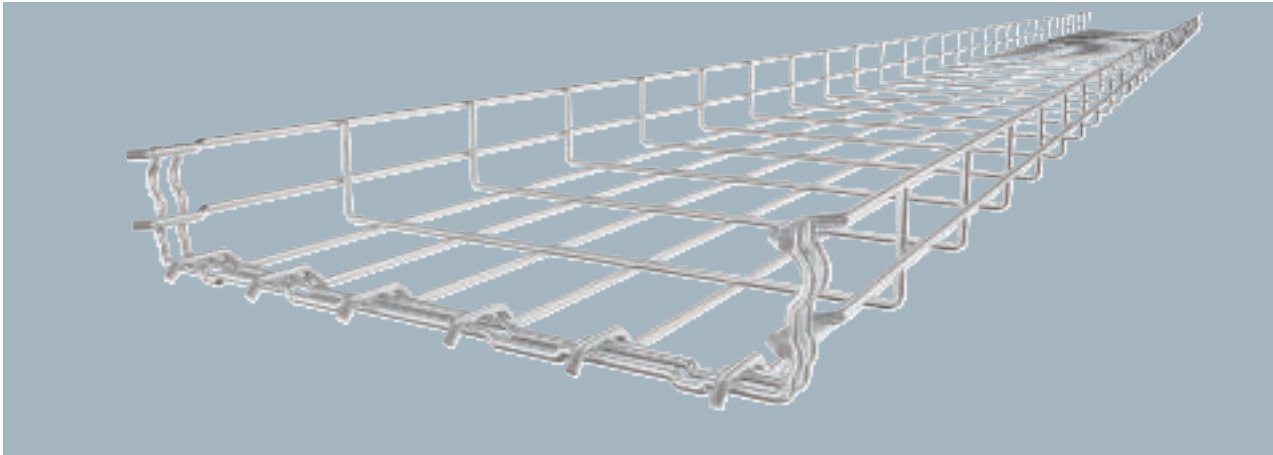
	1.0 m	1.5 m	2.0 m	2.5 m
	kN/m	kN/m	kN/m	kN/m
GRM 55 50 A2	0.35	0.2	0.1	0.1
GRM 55 100 A2	0.35	0.2	0.1	0.1
GRM 55 150 A2	0.35	0.2	0.1	0.1
GRM 55 200 A2	0.35	0.2	0.1	0.1
GRM 55 300 A2	0.7	0.5	0.25	0.2
GRM 55 400 A2	0.9	0.6	0.3	0.25
GRM 55 500 A2	0.9	0.6	0.3	0.25
GRM 55 600 A2	0.9	0.6	0.3	0.25

Load diagram, mesh cable tray GRM 55 VA

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



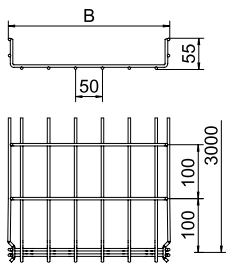
Mesh cable tray GR-Magic® 55



Mesh cable tray with shaped connector of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).

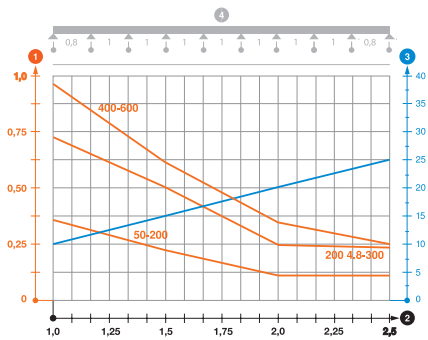
Type	Wire			Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm	BS			
GRM 55 50 A4	50	3.9		3	67.000	6001087
GRM 55 100 A4	100	3.9		3	72.000	6001088
GRM 55 150 A4	150	3.9		3	85.667	6001090
GRM 55 200 A4	200	3.9		3	99.000	6001091
GRM 55 300 A4	300	4.8	🔥	3	192.333	6001093
GRM 55 400 A4	400	4.8		3	234.667	6001095
GRM 55 500 A4	500	4.8		3	276.667	6001097
GRM 55 600 A4	600	4.8		3	320.000	6001099

Dimensions



Type	Length mm	Usable cross-section	
		Dim. B mm	cm²
GRM 55 50 A4	3000	52	16
GRM 55 100 A4	3000	100	40
GRM 55 150 A4	3000	150	63
GRM 55 200 A4	3000	200	87
GRM 55 300 A4	3000	300	129
GRM 55 400 A4	3000	400	175
GRM 55 500 A4	3000	500	220
GRM 55 600 A4	3000	600	265

Load



	1.0 m	1.5 m	2.0 m	2.5 m
	kN/m	kN/m	kN/m	kN/m
GRM 55 50 A4	0.35	0.2	0.1	0.1
GRM 55 100 A4	0.35	0.2	0.1	0.1
GRM 55 150 A4	0.35	0.2	0.1	0.1
GRM 55 200 A4	0.35	0.2	0.1	0.1
GRM 55 300 A4	0.7	0.5	0.25	0.2
GRM 55 400 A4	0.9	0.6	0.3	0.25
GRM 55 500 A4	0.9	0.6	0.3	0.25
GRM 55 600 A4	0.9	0.6	0.3	0.25

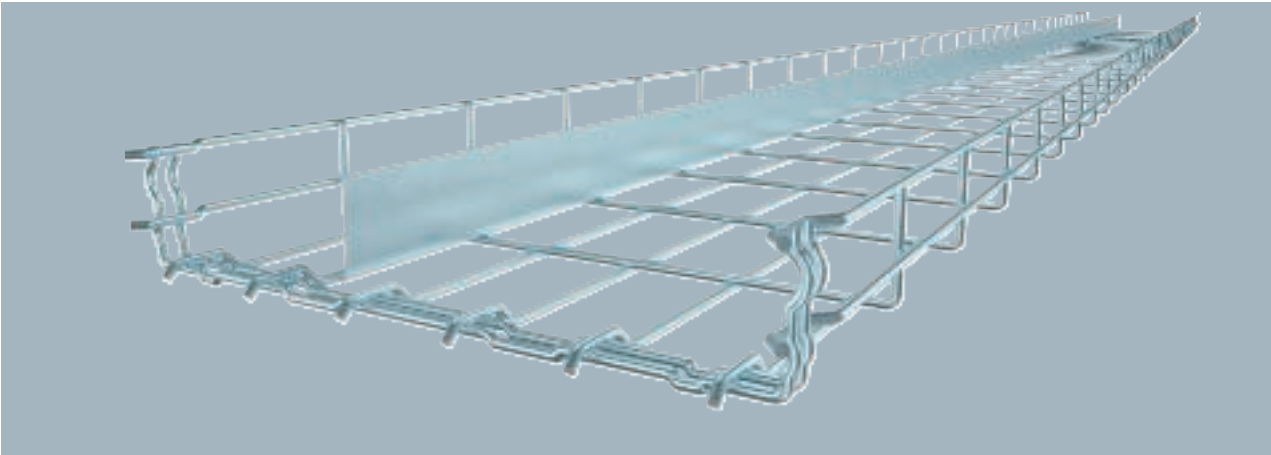
Load diagram, mesh cable tray GRM 55 VA

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Mesh cable tray GR-Magic® 55 with barrier strip

St G

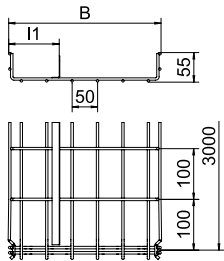


Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM-T 55 100 G	100	3.9	3	117.433	6006453
GRM-T 55 200 G	200	3.9	3	143.333	6006455
GRM-T 55 300 G	300	4.8	3	237.067	6006456
GRM-T 55 400 G	400	4.8	3	280.800	6006457
GRM-T 55 500 G	500	4.8	3	320.000	6006458

Mesh cable tray with shaped connector and welded barrier strips of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

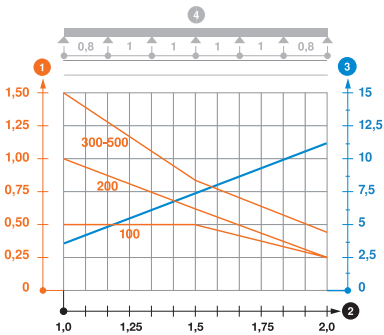
Type	Length mm	Dim. B mm	Usable cross- section cm²
GRM-T 55 100 G	3000	100	40
GRM-T 55 200 G	3000	200	87
GRM-T 55 300 G	3000	300	129
GRM-T 55 400 G	3000	400	175
GRM-T 55 500 G	3000	500	220

Dimensions



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

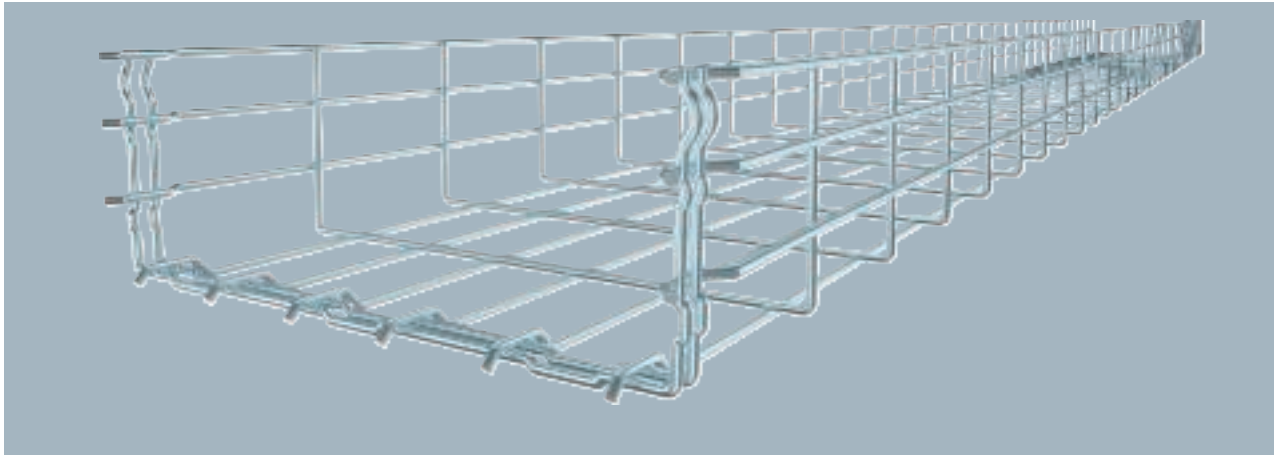
Load



Load diagram, GR-Magic mesh cable tray, type GRM-1T 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

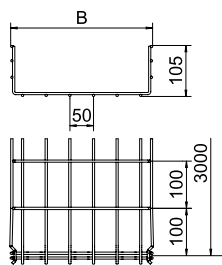
Mesh cable tray GR-Magic® 105



Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

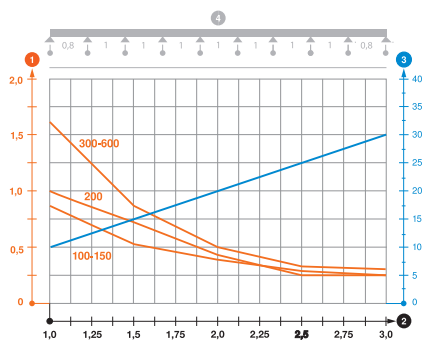
Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM 105 100 G	100	3.9	3	99.333	6002402
GRM 105 150 G	150	3.9	3	111.667	6002404
GRM 105 200 G	200	4.8	3	192.333	6002406
GRM 105 300 G	300	4.8	3	234.667	6002408
GRM 105 400 G	400	4.8	3	278.000	6002410
GRM 105 450 G	450	4.8	3	283.333	6002413
GRM 105 500 G	500	4.8	3	319.000	6002415
GRM 105 600 G	600	4.8	3	363.333	6002417

Dimensions



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

Load



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

Load diagram, mesh cable tray, type GRM 105

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Mesh cable tray GR-Magic® 105

St FT

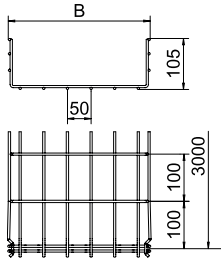


Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM 105 100 FT	100	3.9	3	105.333	6002431
GRM 105 150 FT	150	3.9	3	119.000	6002433
GRM 105 200 FT	200	4.8	3	202.333	6002435
GRM 105 300 FT	300	4.8	3	244.000	6002437
GRM 105 400 FT	400	4.8	3	288.333	6002439
GRM 105 450 FT	450	4.8	3	293.333	6002441
GRM 105 500 FT	500	4.8	3	335.000	6002443
GRM 105 600 FT	600	4.8	3	375.000	6002445

Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

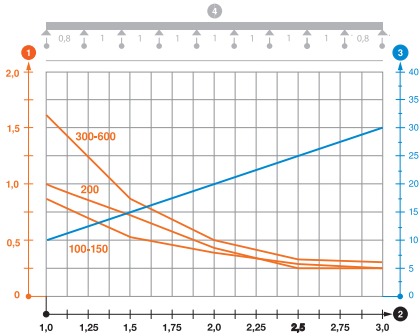
Type	Length mm	Dim. B mm	Usable cross- section cm²
GRM 105 100 FT	3000	100	82
GRM 105 150 FT	3000	150	130
GRM 105 200 FT	3000	200	175
GRM 105 300 FT	3000	300	268
GRM 105 400 FT	3000	400	363
GRM 105 450 FT	3000	450	411
GRM 105 500 FT	3000	500	459
GRM 105 600 FT	3000	600	554

Dimensions



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

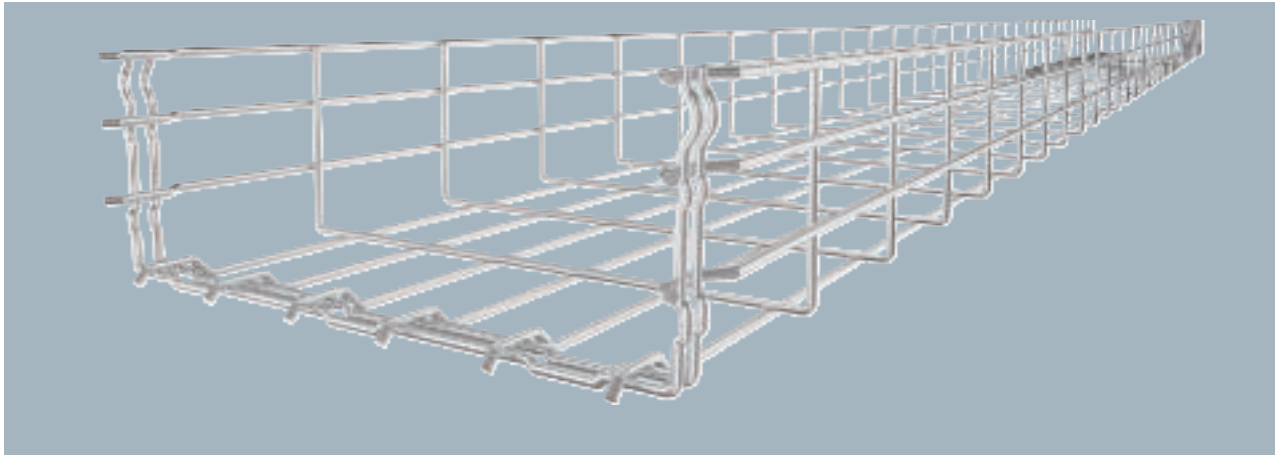
Load



Load diagram, mesh cable tray, type GRM 105

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

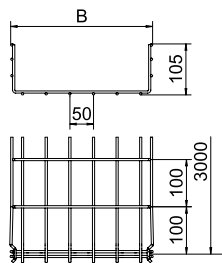
Mesh cable tray GR-Magic® 105



Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

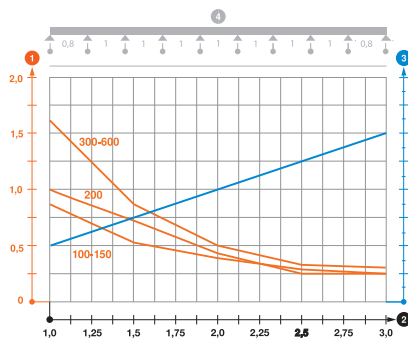
Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM 105 100 A2	100	3.9	3	99.333	6002451
GRM 105 150 A2	150	3.9	3	111.667	6002455
GRM 105 200 A2	200	4.8	3	200.667	6002457
GRM 105 300 A2	300	4.8	3	234.667	6002460
GRM 105 400 A2	400	4.8	3	277.000	6002463
GRM 105 500 A2	500	4.8	3	319.000	6002466
GRM 105 600 A2	600	4.8	3	363.333	6002469

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm ²
GRM 105 100 A2	3000	100	82
GRM 105 150 A2	3000	150	130
GRM 105 200 A2	3000	200	175
GRM 105 300 A2	3000	300	268
GRM 105 400 A2	3000	400	363
GRM 105 500 A2	3000	500	459
GRM 105 600 A2	3000	600	554

Load



	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
GRM 105 100 A2	0.8	0.55	0.37	0.25
GRM 105 150 A2	0.8	0.55	0.37	0.25
GRM 105 200 A2	0.8	0.55	0.37	0.25
GRM 105 300 A2	1.1	0.75	0.53	0.3
GRM 105 400 A2	1.1	0.75	0.53	0.3
GRM 105 500 A2	1.25	0.85	0.6	0.3
GRM 105 600 A2	1.25	0.85	0.6	0.3

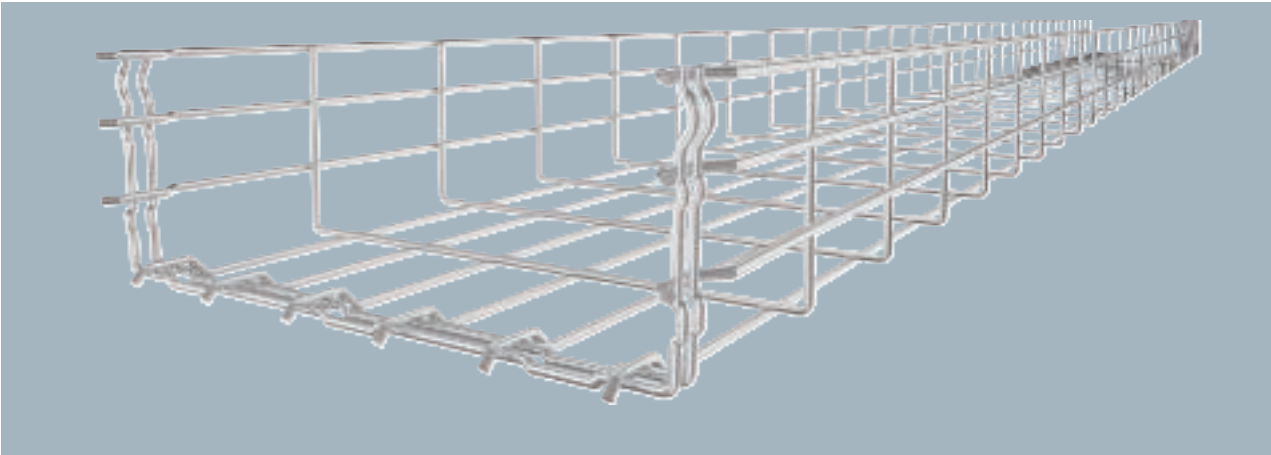
Load diagram, mesh cable tray, type GRM 105

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Mesh cable tray GR-Magic® 105

VA 2B

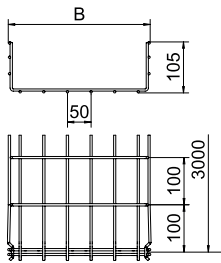


Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
GRM 105 100 A4	100	3.9	3	99.333	6002475
GRM 105 150 A4	150	3.9	3	111.667	6002476
GRM 105 200 A4	200	4.8	3	192.333	6002477
GRM 105 300 A4	300	4.8	3	235.000	6002479
GRM 105 400 A4	400	4.8	3	277.000	6002481
GRM 105 500 A4	500	4.8	3	319.000	6002483
GRM 105 600 A4	600	4.8	3	363.333	6002485

Mesh cable tray with shaped connector of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

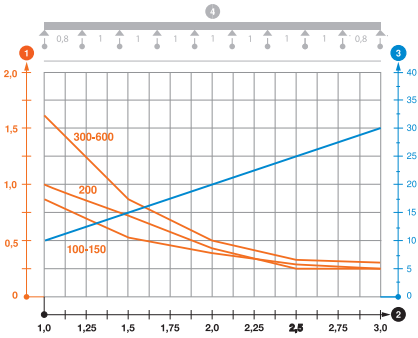
Type	Length mm	Dim. B mm	Usable cross- section cm²
GRM 105 100 A4	3000	100	82
GRM 105 150 A4	3000	150	130
GRM 105 200 A4	3000	200	175
GRM 105 300 A4	3000	300	268
GRM 105 400 A4	3000	400	363
GRM 105 500 A4	3000	500	459
GRM 105 600 A4	3000	600	554

Dimensions



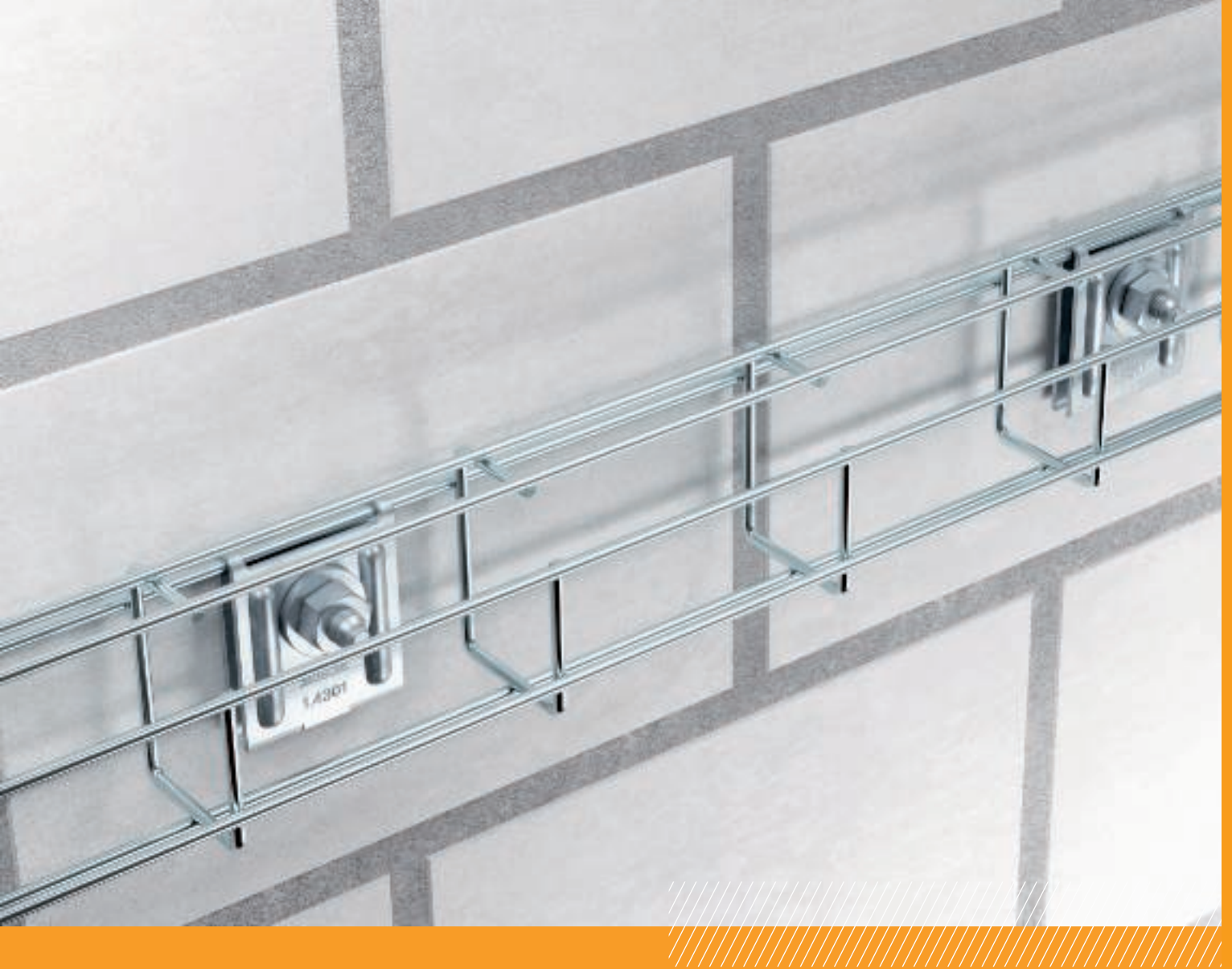
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
GRM 105 100 A4	0.8	0.55	0.37	0.25
GRM 105 150 A4	0.8	0.55	0.37	0.25
GRM 105 200 A4	0.8	0.55	0.37	0.25
GRM 105 300 A4	1.1	0.75	0.53	0.3
GRM 105 400 A4	1.1	0.75	0.53	0.3
GRM 105 500 A4	1.25	0.85	0.6	0.3
GRM 105 600 A4	1.25	0.85	0.6	0.3

Load



Load diagram, mesh cable tray, type GRM 105

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Magic G mesh cable tray

The Magic G mesh cable tray is the ideal extension of the Magic solutions for the OBO Bettermann mesh cable tray systems. The quick Magic connection means that a screwless and easy-to-mount variant is now offered for the G mesh cable tray

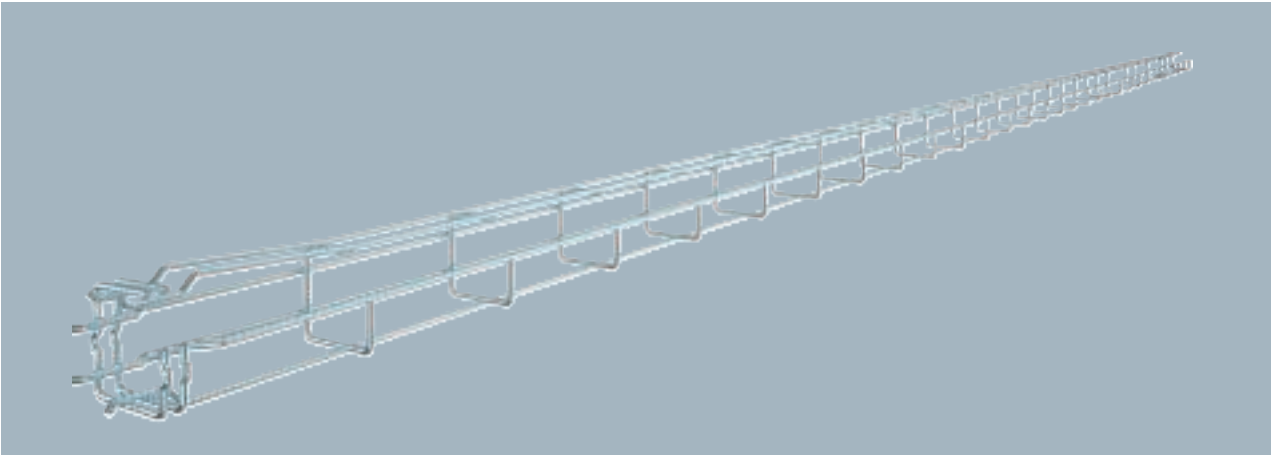
system as well. Even in false ceiling mounting, it is an ideal alternative through direct wall or ceiling mounting. The Magic G mesh cable tray is available in four sizes and three surfaces, thus offering ideal solutions for all kinds of tasks.





G mesh cable tray Magic® 50

St G

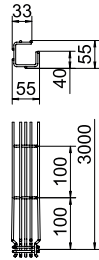


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 50 50 G	50	3.9	3	67.067	6005535

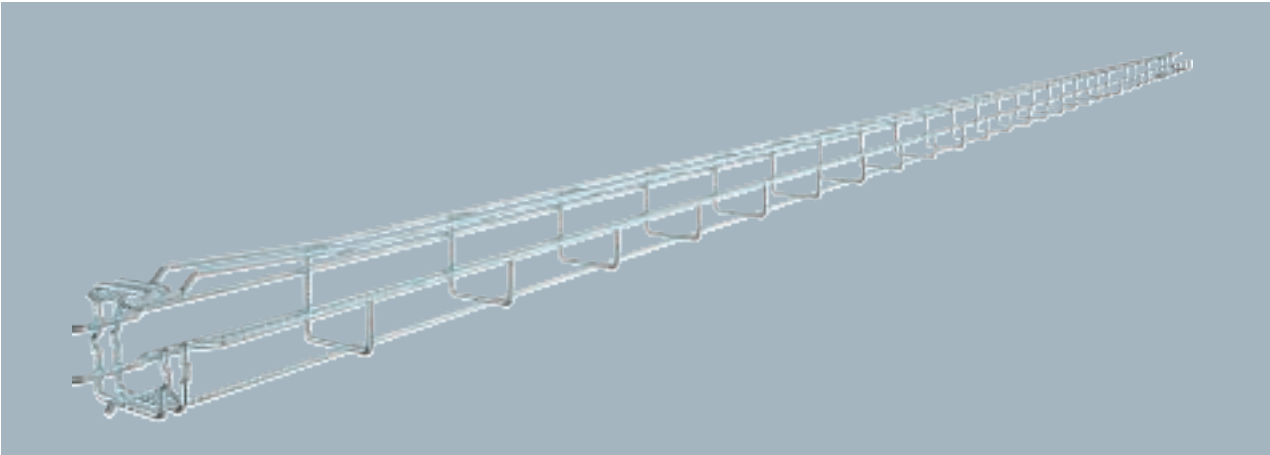
G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 50 50 G	3000	55	55	33	38

Dimensions



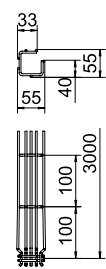
G mesh cable tray Magic® 50



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 50 50 FT	50	3.9	3	68.567	6005520

Dimensions



Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 50 50 FT	3000	55	55	33	38

Load

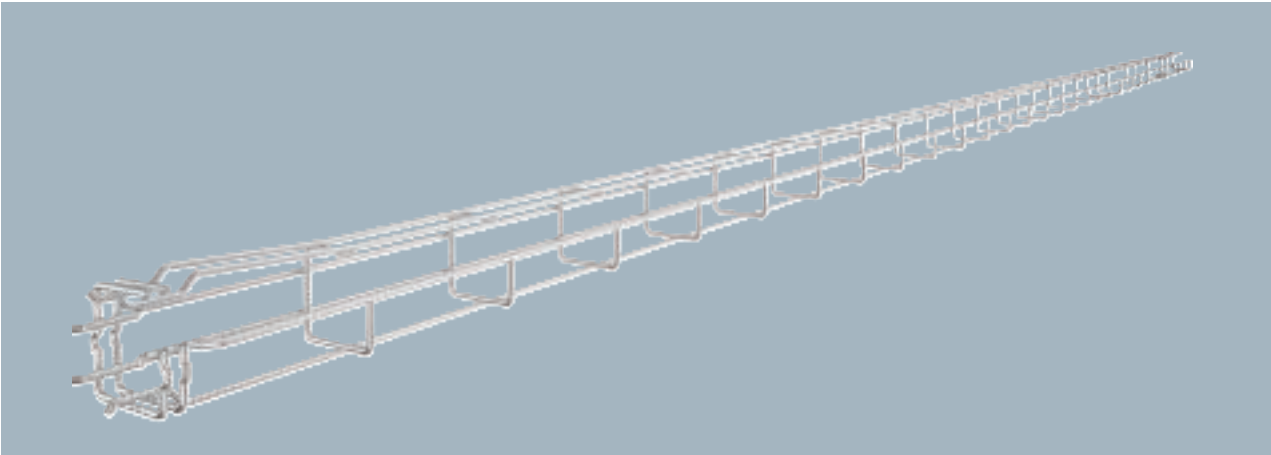
G-GRM 50/50		Support spacing [m]			
	Load [kN/m]				
Fastening variant	1	1.5	2	2.5	
Wall fastening K12 1818	0.2	0.15	0.1	0.05	
Ceiling fastening K12 1818	0.25	0.2	0.10	0.05	



G-GRM mesh cable tray system

G mesh cable tray Magic® 50

VA 2B

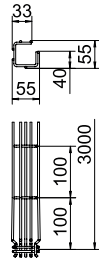


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 50 50 A2	50	3.9	3	66.567	6005550

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 50 50 A2	3000	55	55	33	38

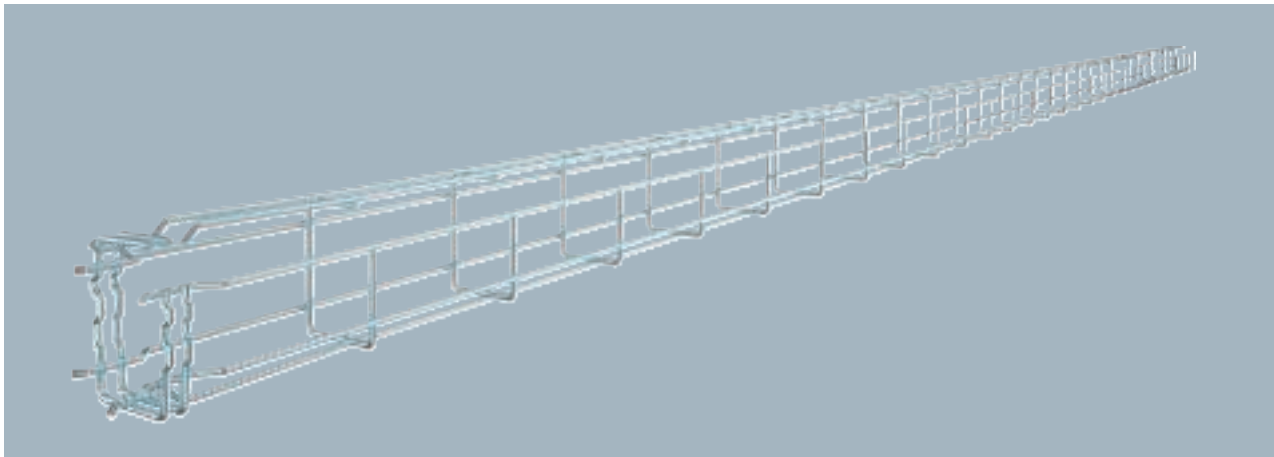
Dimensions



G-GRM 50/50		Support spacing [m]		
		Load [kN/m]		
Fastening variant		1	2	2.5
Wall fastening K12 1818	0.2	0.15	0.1	0.05
Ceiling fastening K12 1818	0.25	0.2	0.10	0.05

Load

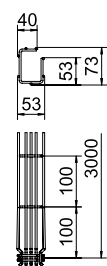
G mesh cable tray Magic® 75



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 75 50 G	75	3.9	3	79.867	6005538

Dimensions

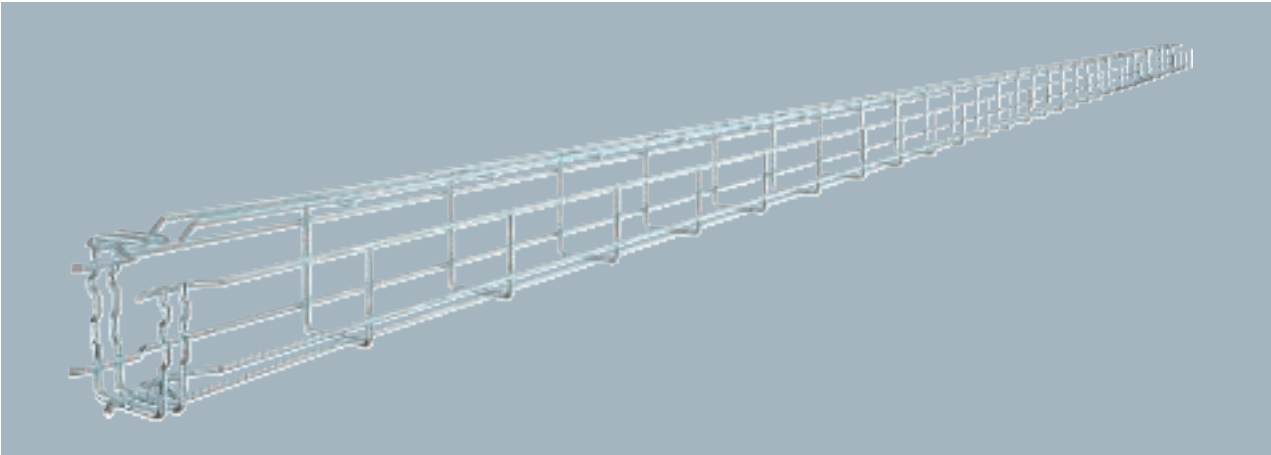


Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 75 50 G	3000	53	73	38	53

Load

G-GRM 75/50					
	Support spacing [m]				
	Load [kN/m]				
Fastening variant	1	1.5	2	2.5	
Wall fastening K12 1818	0.3	0.2	0.15	0.1	
Ceiling fastening K12 1818	0.35	0.2	0.15	0.1	

G mesh cable tray Magic® 75

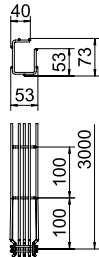


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 75 50 FT	75	3.9	3	83.700	6005523

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 75 50 FT	3000	53	73	38	53

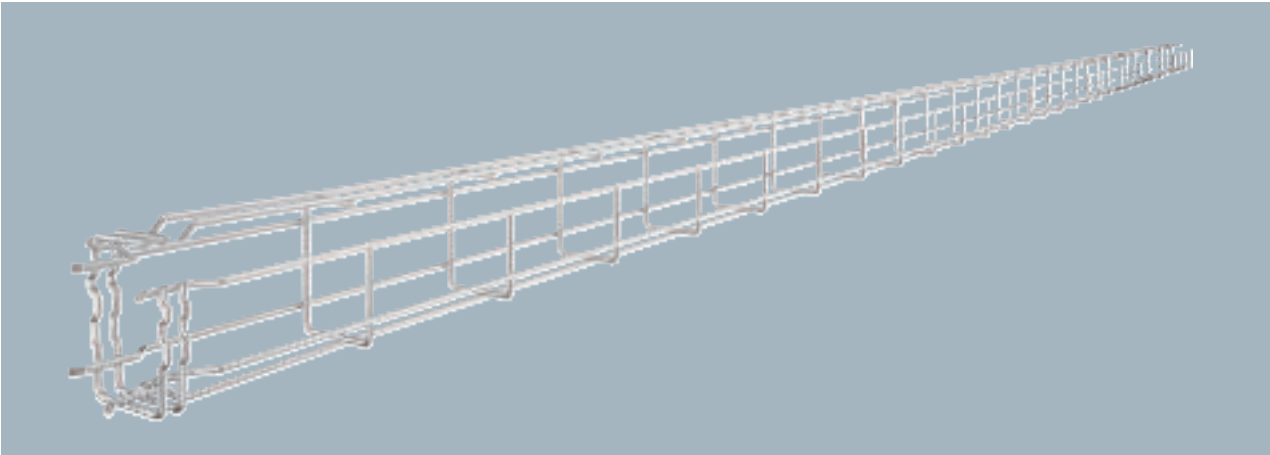
Dimensions



G-GRM 75/50		Support spacing [m]			
		Load [kN/m]			
Fastening variant	1	1.5	2	2.5	
Wall fastening K12 1818	0.3	0.2	0.15	0.1	
Ceiling fastening K12 1818	0.35	0.2	0.15	0.1	

Load

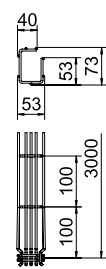
G mesh cable tray Magic® 75



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 75 50 A2	75	3.9	3	79.467	6005553

Dimensions



Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 75 50 A2	3000	53	73	38	53

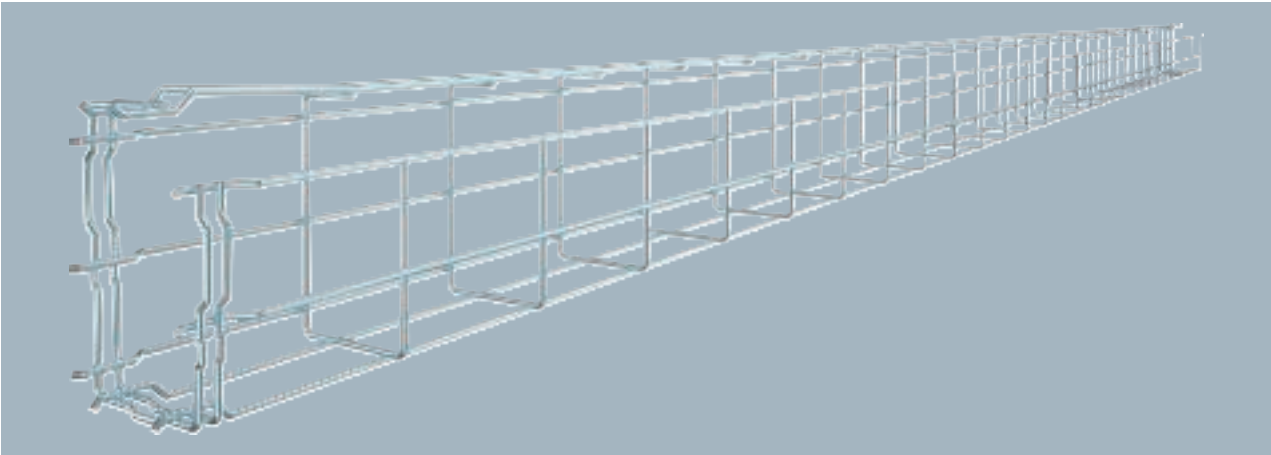
Load

G-GRM 75/50		Support spacing [m]		
		Load [kN/m]		
Fastening variant	1	1.5	2	2.5
Bracket MWAG 12-11	-	-	-	-
Wall fastening K12 1818	0.3	0.2	0.15	0.1
Ceiling fastening K12 1818	0.35	0.2	0.15	0.1



G mesh cable tray Magic® 125

St G

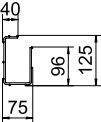
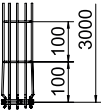


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 125 75 G	125	3.9	3	108.000	6005541

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 125 75 G	3000	75	125	38	96

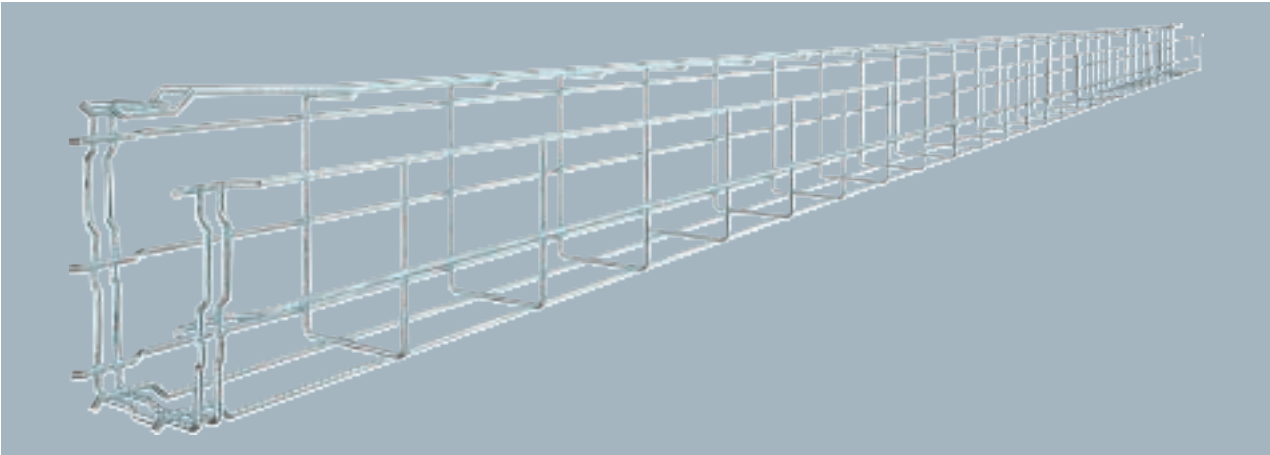
Dimensions



G-GRM 125/75		Support spacing [m]		
		Load [kN/m]		
Fastening variant	Support spacing [m]	1	2	2.5
Bracket MWAG 12-11	0.6	0.35	0.3	0.2
Wall fastening K12 1818	0.25	0.25	0.2	0.15
Ceiling fastening K12 1818	0.3	0.25	0.2	0.15

Load

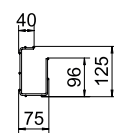
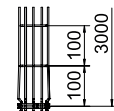
G mesh cable tray Magic® 125



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 125 75 FT	125	3.9	3	113.667	6005526

Dimensions



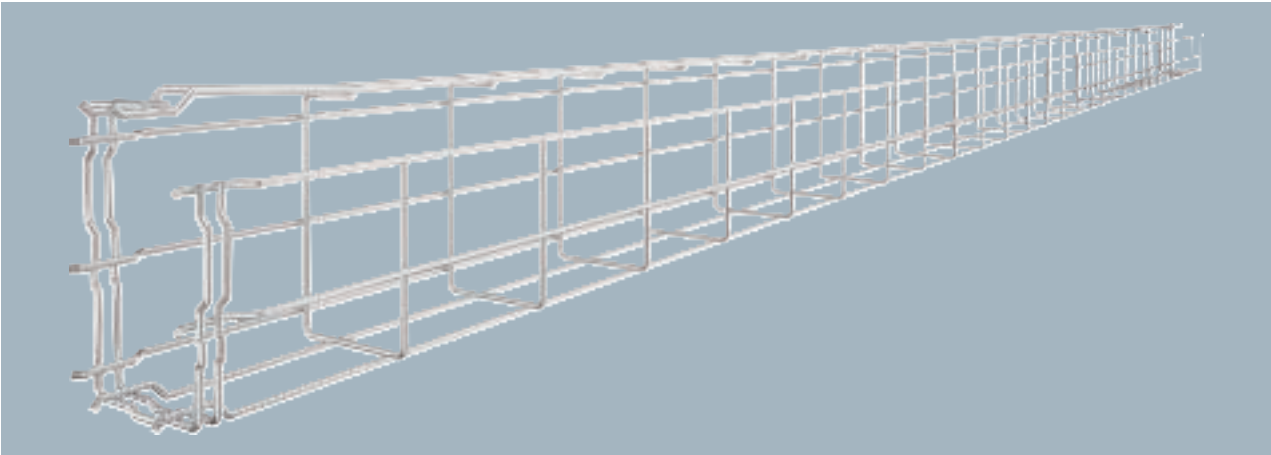
Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 125 75 FT	3000	75	125	38	96

Load

G-GRM 125/75		Support spacing [m]		
		Load [kN/m]		
Fastening variant	1	1.5	2	2.5
Bracket MWAG 12-11	0.6	0.35	0.3	0.2
Wall fastening K12 1818	0.25	0.25	0.2	0.15
Ceiling fastening K12 1818	0.3	0.25	0.2	0.15



G mesh cable tray Magic® 125

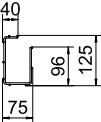
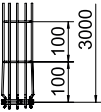


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 125 75 A2	125	3.9	3	108.000	6005556

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 125 75 A2	3000	75	125	38	96

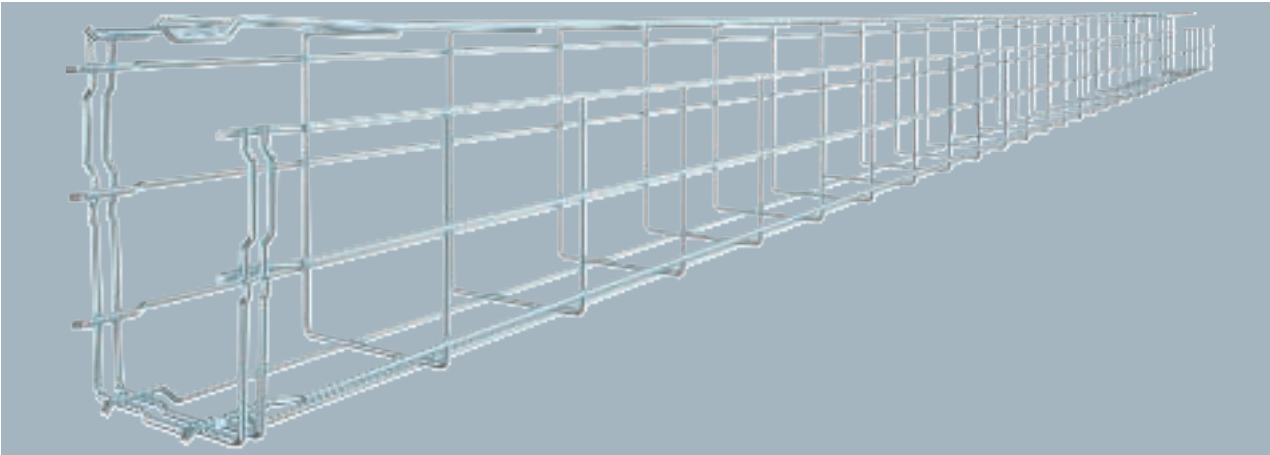
Dimensions



G-GRM 125/75		Support spacing [m]		
		Load [kN/m]		
Fastening variant	Support spacing [m]	1	2	2.5
Bracket MWAG 12-11	0.6	0.35	0.3	0.2
Wall fastening K12 1818	0.25	0.25	0.2	0.15
Ceiling fastening K12 1818	0.3	0.25	0.2	0.15

Load

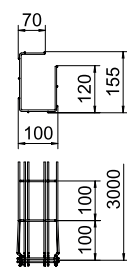
G mesh cable tray Magic® 150



G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 150 100 G	150	3.9	3	127.333	6005544

Dimensions



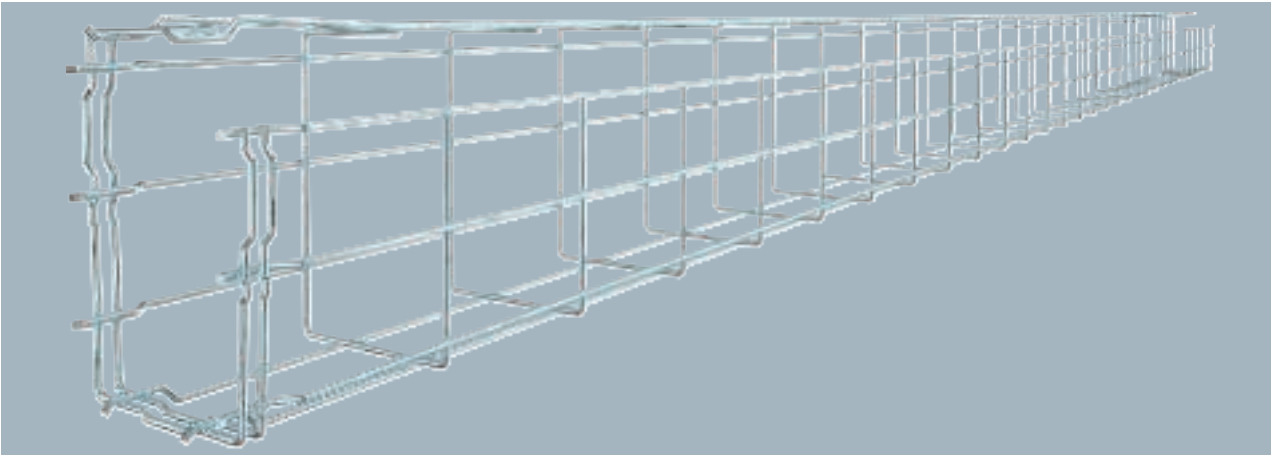
Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 150 100 G	3000	100	155	68	120

Load

G-GRM 150/100		Support spacing [m]			
		Load [kN/m]			
Fastening variant		1	1.5	2	2.5
Bracket MWAG 12-11		0.6	0.5	0.35	0.3
Wall fastening K12 1818		0.25	0.2	0.15	0.1
Ceiling fastening K12 1818		0.25	0.25	0.15	0.1

G mesh cable tray Magic® 150

St FT

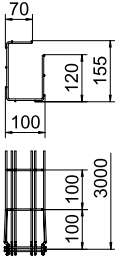


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 150 100 FT	150	3.9	3	134.033	6005529

G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths.
Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 150 100 FT	3000	100	155	68	120

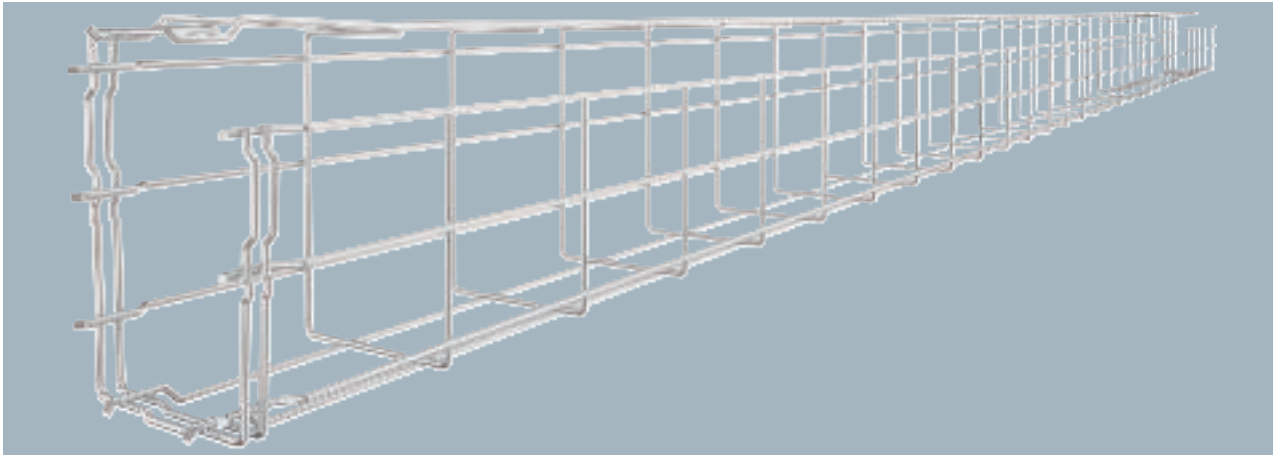
Dimensions



G-GRM 150/100		Support spacing [m]			
		Load [kN/m]			
Fastening variant	Support spacing [m]	1	1.5	2	2.5
Bracket MWAG 12-11	0.6	0.5	0.35	0.3	
Wall fastening K12 1818	0.25	0.2	0.15	0.1	
Ceiling fastening K12 1818	0.25	0.25	0.15	0.1	

Load

G mesh cable tray Magic® 150

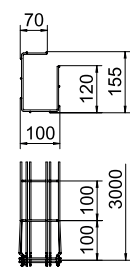


G-shaped mesh cable tray made of spot-welded steel wire with different side heights and widths. Direct wall or ceiling mounting possible. Load capacity details regarding the different mounting methods are available upon request.

Magnetic shield insulation 15 dB.

Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
G-GRM 150 100 A2	150	3.9	3	127.067	6005559

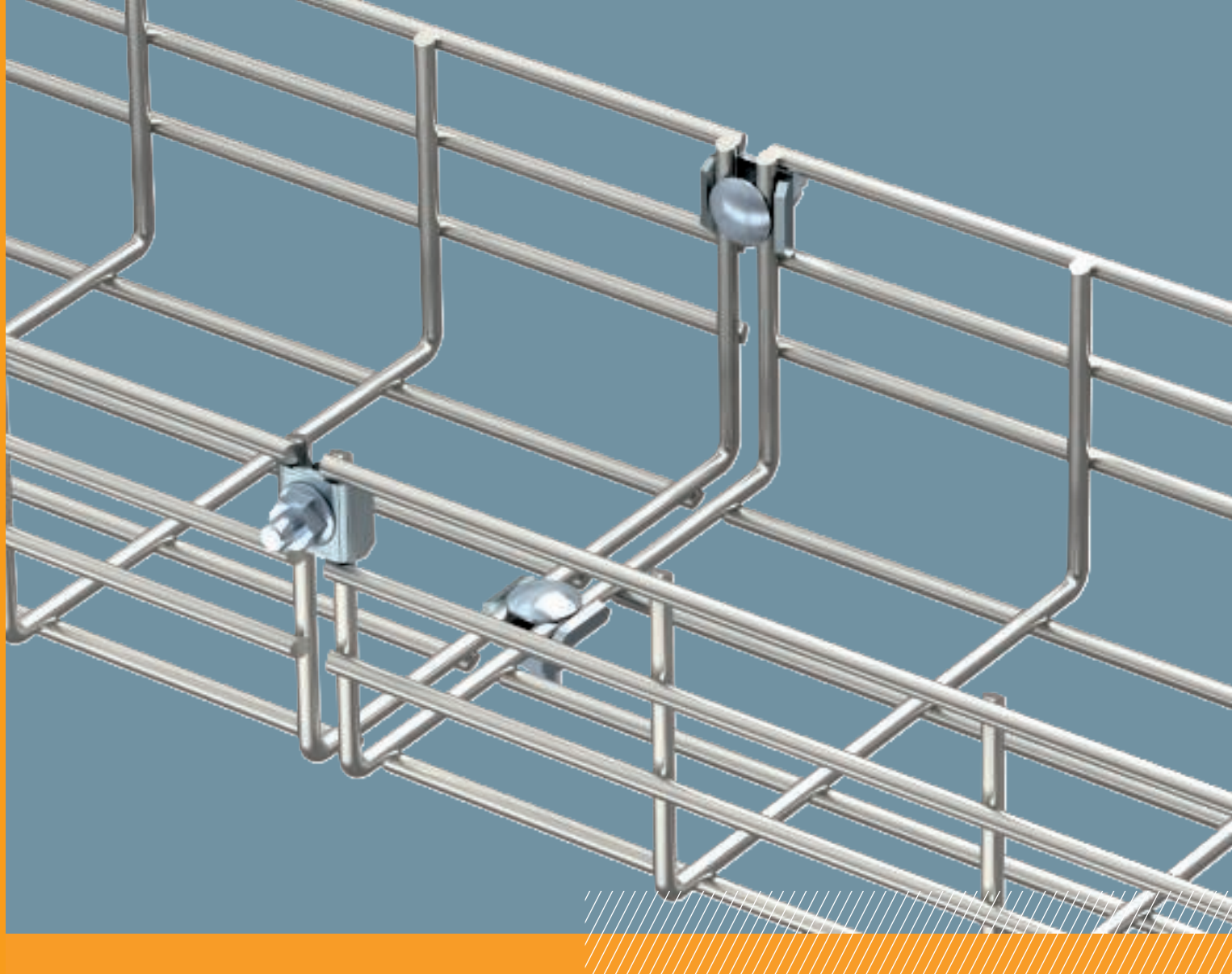
Dimensions



Type	Length mm	Dim. B mm	Dim. H mm	Dim. C mm	Dim. A mm
G-GRM 150 100 A2	3000	100	155	68	120

Load

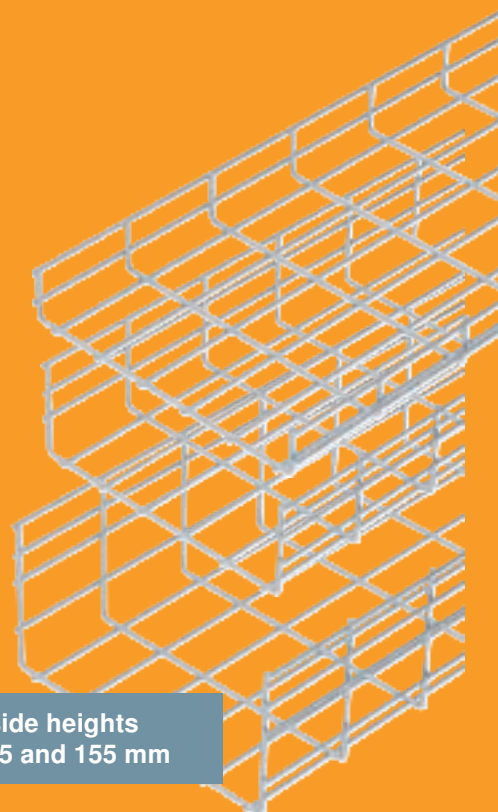
G-GRM 150/100		Support spacing [m]			
		Load [kN/m]			
Fastening variant		1	1.5	2	2.5
Bracket MWAG 12-11		0.6	0.5	0.35	0.3
Wall fastening K12 1818		0.25	0.2	0.15	0.1
Ceiling fastening K12 1818		0.25	0.25	0.15	0.1



Heavy-duty SGR mesh cable tray made of 6 mm wire

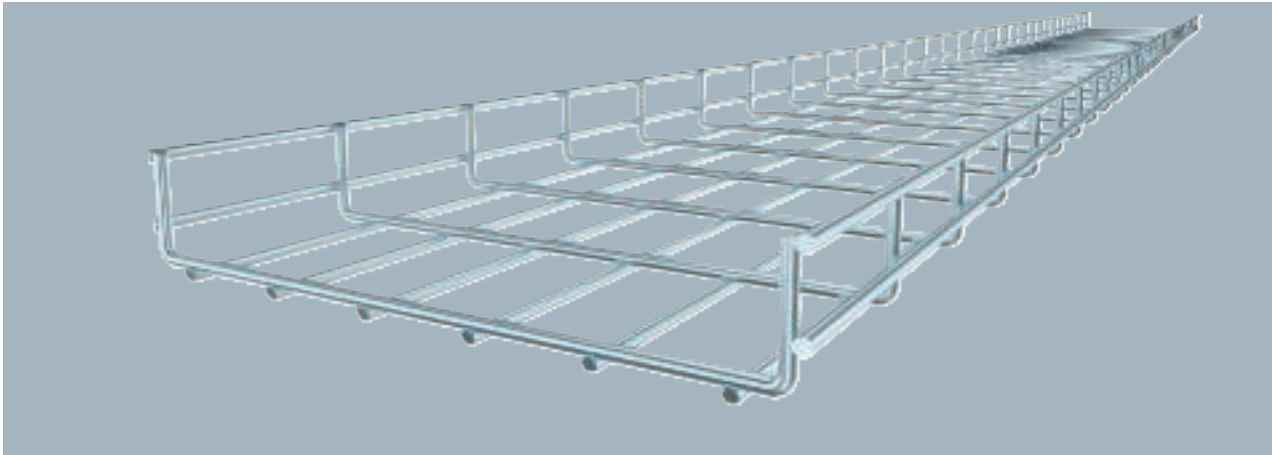
Today, due to the wide range of applications, the requirements for mesh cable trays differ a great deal. Besides simple mounting, a high load capacity, dirt-repelling qualities, good ventilation behaviour and high-quality surface refinement are particularly in demand.

The new heavy-duty mesh cable tray of type SGR, made of 6 mm-thick wire in a U profile, combines many advantages all at the same time. The strong wire design means that the SGR, with its low intrinsic weight, can withstand load capacities of up to 110% more than the comparable mesh cable trays of competitors and can thus also be used for larger support spacings of up to 4.0 m.



3 side heights
55, 105 and 155 mm

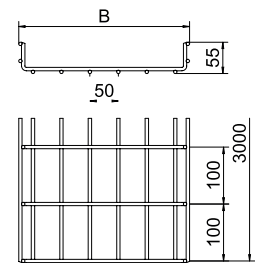
Heavy-duty cable tray SGR 55



Mesh cable tray made of spot-welded steel wire of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid dimension is 50 x 100 mm.
Stainless steel version on request.

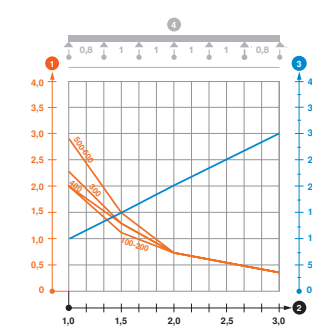
Type	Width mm	Wire Ø mm	Pack m	Weight		Item no.
				kg/100 m		
SGR 55 100 G	100	6	3	166.333		6005470
SGR 55 150 G	150	6	3	199.000		6005472
SGR 55 200 G	200	6	3	230.067		6005474
SGR 55 300 G	300	6	3	293.233		6005476
SGR 55 400 G	400	6	3	357.033		6005478
SGR 55 500 G	500	6	3	426.333		6005480
SGR 55 600 G	600	6	3	491.667		6005482

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm²
SGR 55 100 G	3000	100	40
SGR 55 150 G	3000	150	63
SGR 55 200 G	3000	200	87
SGR 55 300 G	3000	300	129
SGR 55 400 G	3000	400	175
SGR 55 500 G	3000	500	220
SGR 55 600 G	3000	600	265

Load



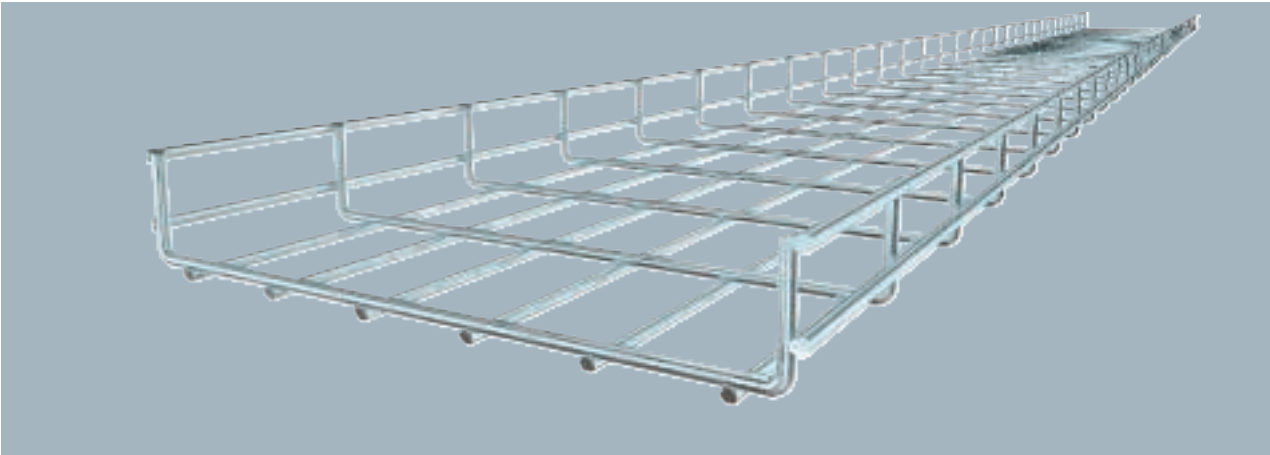
		1.0 m	1.5 m	2.0 m	3.0 m
		kN/m	kN/m	kN/m	kN/m
SGR 55 100 G	2	1.15	0.75	0.4	
SGR 55 150 G	2	1.15	0.75	0.4	
SGR 55 200 G	2	1.15	0.75	0.4	
SGR 55 300 G	2	1.3	0.75	0.4	
SGR 55 400 G	2.3	1.3	0.75	0.4	
SGR 55 500 G	2.9	1.5	0.75	0.4	
SGR 55 600 G	2.9	1.5	0.75	0.4	

Load diagram, mesh cable tray, type SGR 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Heavy-duty cable tray SGR 55

St FT

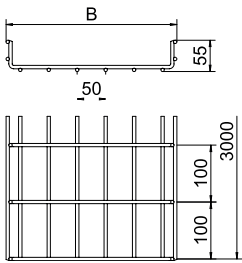


Type	Width mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
SGR 55 100 FT	100	6	3	171.667	6000122
SGR 55 150 FT	150	6	3	205.333	6000190
SGR 55 200 FT	200	6	3	238.667	6000209
SGR 55 300 FT	300	6	3	305.667	6000331
SGR 55 400 FT	400	6	3	372.667	6000451
SGR 55 500 FT	500	6	3	439.667	6000515
SGR 55 600 FT	600	6	3	507.000	6000775

Mesh cable tray made of spot-welded steel wire of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

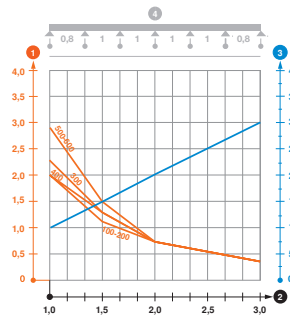
Type	Length mm	Dim. B mm	Usable cross- section cm ²
SGR 55 100 FT	3000	100	40
SGR 55 150 FT	3000	150	63
SGR 55 200 FT	3000	200	87
SGR 55 300 FT	3000	300	129
SGR 55 400 FT	3000	400	175
SGR 55 500 FT	3000	500	220
SGR 55 600 FT	3000	600	265

Dimensions



		1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	3.0 m kN/m
SGR 55 100 FT	2	1.15	0.75	0.4	
SGR 55 150 FT	2	1.15	0.75	0.4	
SGR 55 200 FT	2	1.15	0.75	0.4	
SGR 55 300 FT	2	1.3	0.75	0.4	
SGR 55 400 FT	2.3	1.3	0.75	0.4	
SGR 55 500 FT	2.9	1.5	0.75	0.4	
SGR 55 600 FT	2.9	1.5	0.75	0.4	

Load



Load diagram, mesh cable tray, type SGR 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

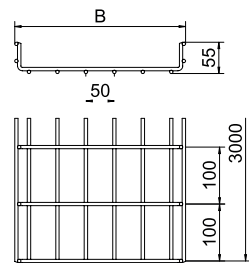
Heavy-duty cable tray SGR 55



Mesh cable tray made of spot-welded steel wire of side height 55 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

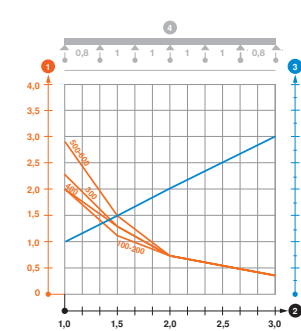
Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
SGR 55 100 A2	100	6	3	166.000	6000909
SGR 55 150 A2	150	6	3	198.000	6000913
SGR 55 200 A2	200	6	3	231.333	6000917
SGR 55 300 A2	300	6	3	296.333	6000925
SGR 55 400 A2	400	6	3	361.333	6000933
SGR 55 500 A2	500	6	3	426.333	6000941
SGR 55 600 A2	600	6	3	491.667	6000958

Dimensions



Type	Length mm	Usable Dim. cross- section cm ²	
		mm	
SGR 55 100 A2	3000	100	40
SGR 55 150 A2	3000	150	63
SGR 55 200 A2	3000	200	87
SGR 55 300 A2	3000	300	129
SGR 55 400 A2	3000	400	175
SGR 55 500 A2	3000	500	220
SGR 55 600 A2	3000	600	265

Load



	1.0 m 1.5 m 2.0 m 3.0 m			
	kN/m	kN/m	kN/m	kN/m
SGR 55 100 A2	2	1.15	0.75	0.4
SGR 55 150 A2	2	1.15	0.75	0.4
SGR 55 200 A2	2	1.15	0.75	0.4
SGR 55 300 A2	2	1.3	0.75	0.4
SGR 55 400 A2	2.3	1.3	0.75	0.4
SGR 55 500 A2	2.9	1.5	0.75	0.4
SGR 55 600 A2	2.9	1.5	0.75	0.4

Load diagram, mesh cable tray, type SGR 55

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Heavy-duty cable tray SGR 105

St FT

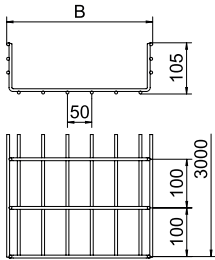


Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
SGR 105 150 FT	150	6	3	272.333	6003175
SGR 105 200 FT	200	6	3	305.667	6003214
SGR 105 300 FT	300	6	3	372.667	6003309
SGR 105 400 FT	400	6	3	439.667	6003402
SGR 105 500 FT	500	6	3	507.000	6003515
SGR 105 600 FT	600	6	3	574.667	6003616

Mesh cable tray made of spot-welded steel wire of side height 105 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

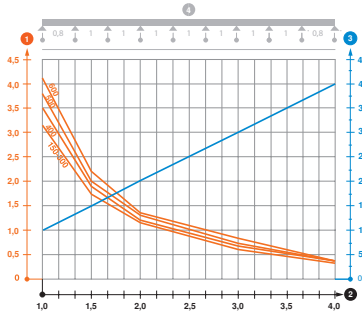
Type	Length mm	Dim. B mm	Usable cross- section cm ²
SGR 105 150 FT	3000	150	130
SGR 105 200 FT	3000	200	175
SGR 105 300 FT	3000	300	268
SGR 105 400 FT	3000	400	363
SGR 105 500 FT	3000	500	459
SGR 105 600 FT	3000	600	554

Dimensions



	1.0 m	1.5 m	2.0 m	3.0 m	4.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
SGR 105 150 FT	3.1	1.75	1.15	0.6	0.4
SGR 105 200 FT	3.1	1.75	1.15	0.6	0.4
SGR 105 300 FT	3.1	1.75	1.15	0.6	0.4
SGR 105 400 FT	3.5	1.9	1.2	0.7	0.45
SGR 105 500 FT	3.8	2	1.3	0.75	0.45
SGR 105 600 FT	4.1	2.2	1.35	0.8	0.45

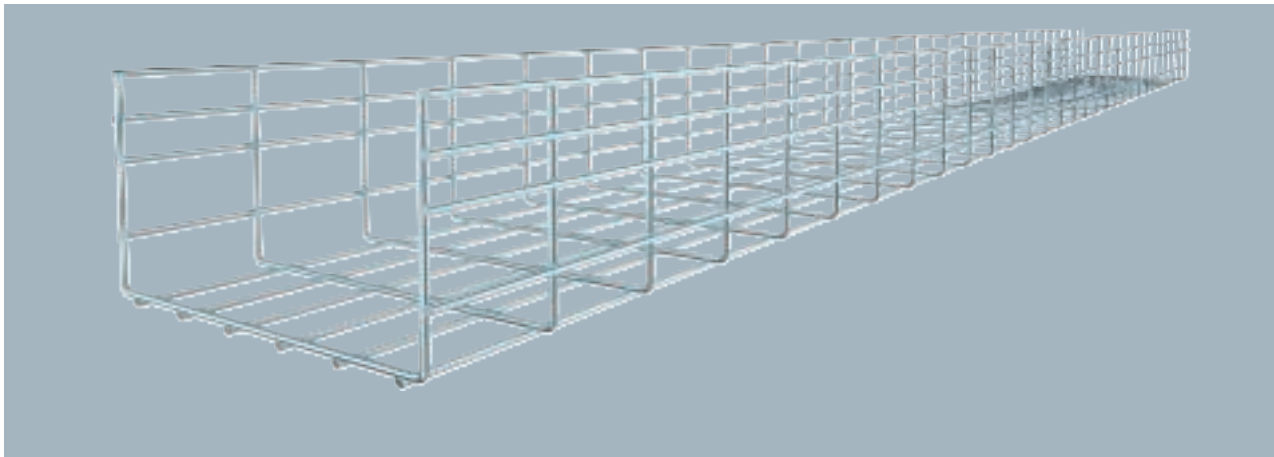
Load



Load diagram, mesh cable tray, type SGR 105

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

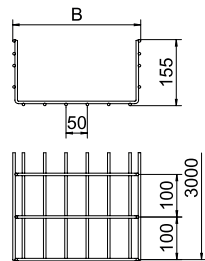
Heavy-duty cable tray SGR 155



Mesh cable tray made of spot-welded steel wire of side height 155 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

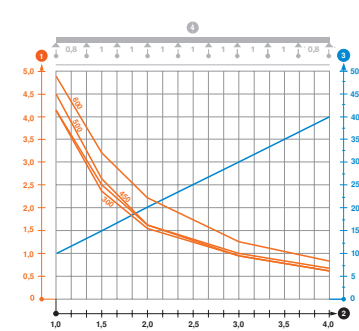
Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
SGR 155 300 G	300	6	3	426.333	6003681
SGR 155 450 G	450	6	3	524.667	6003684
SGR 155 500 G	500	6	3	557.333	6003685
SGR 155 600 G	600	6	3	622.333	6003687

Dimensions



Type	Length mm	Usable Dim. cross- section	
		B mm	cm ²
SGR 155 300 G	3000	300	438
SGR 155 450 G	3000	450	663
SGR 155 500 G	3000	500	738
SGR 155 600 G	3000	600	888

Load



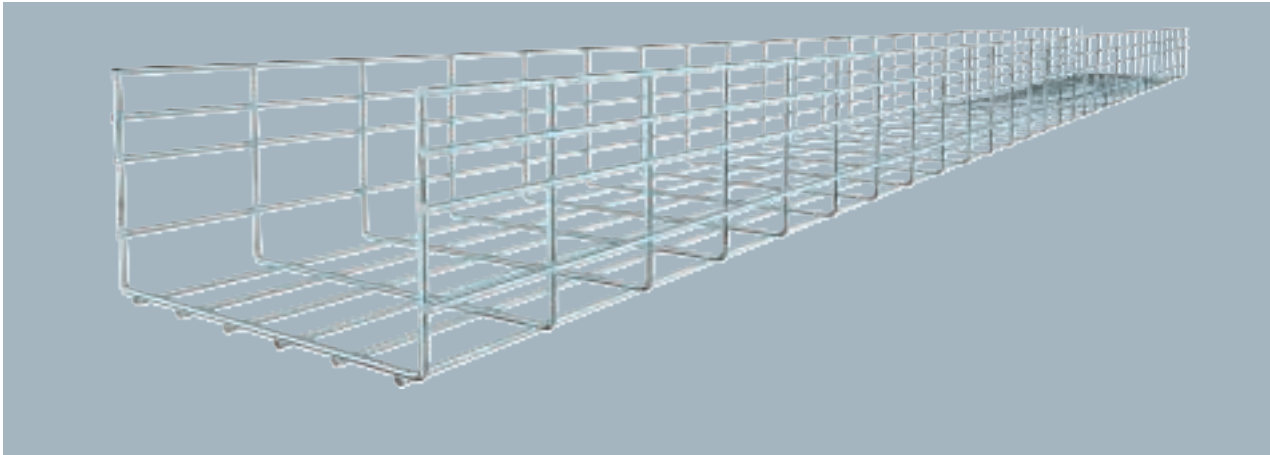
	1.0 m	1.5 m	2.0 m	3.0 m	4.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
SGR 155 300 G	4.1	2.4	1.55	0.95	0.6
SGR 155 450 G	4.1	2.5	1.6	0.95	0.6
SGR 155 500 G	4.5	2.6	1.6	1	0.65
SGR 155 600 G	4.9	3.2	2.2	1.25	0.8

Load diagram, mesh cable tray, type SGR 155

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Heavy-duty cable tray SGR 155

St FT

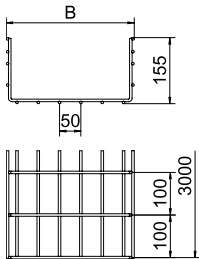


Type	Wire		Pack m	Weight kg/100 m	Item no.
	Width mm	Ø mm			
SGR 155 300 FT	300	6	3	439.667	6003692
SGR 155 450 FT	450	6	3	541.000	6003695
SGR 155 500 FT	500	6	3	574.667	6003696
SGR 155 600 FT	600	6	3	641.667	6003698

Mesh cable tray made of spot-welded steel wire of side height 155 mm.
Magnetic shield insulation without cover 15 dB, with cover 25 dB.
The grid width is 50 x 100 mm.

Type	Length mm	Usable	
		Dim. B mm	cross-section cm ²
SGR 155 300 FT	3000	300	438
SGR 155 450 FT	3000	450	663
SGR 155 500 FT	3000	500	738
SGR 155 600 FT	3000	600	888

Dimensions

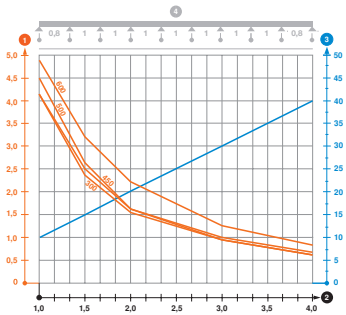


	1.0 m	1.5 m	2.0 m	3.0 m	4.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
SGR 155 300 FT	4.1	2.4	1.55	0.95	0.6
SGR 155 450 FT	4.1	2.5	1.6	0.95	0.6
SGR 155 500 FT	4.5	2.6	1.6	1	0.65
SGR 155 600 FT	4.9	3.2	2.2	1.25	0.8

Load diagram, mesh cable tray, type SGR 155

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





C mesh cable tray

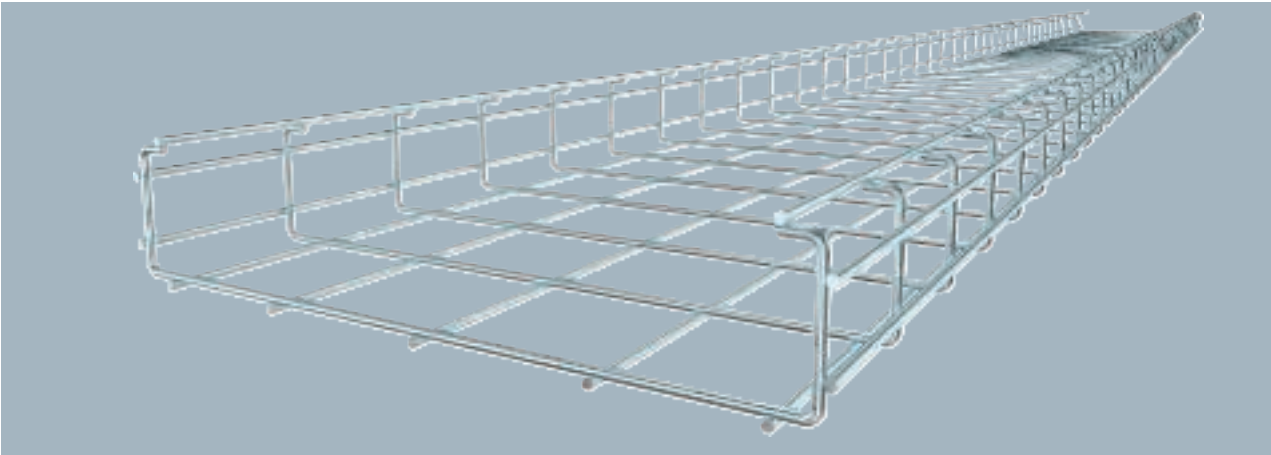
The C mesh cable tray system from OBO Bettermann fulfils the highest requirements for load capacities and versatility. The C shape allows support widths of up to three metres. This system, with its 50 mm side height, together with the optimised accessories such as hold-down clamps, Quick con-

nectors, barrier strips, suspension profiles, mounting brackets, etc. is an ideal addition to the overall mesh cable tray system. It is used both in industry and in all other areas of professional electrical installations.



C mesh cable tray CGR 50

St FT

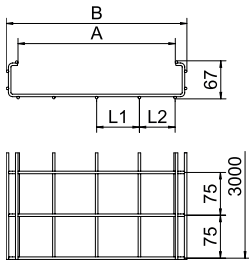


Type	Side height mm	Wire Ø mm	Pack m	Weight kg/100 m	Item no.
CGR 50 50 FT	50	4.5	3	128.667	6017428
CGR 50 100 FT	50	4.5	3	139.100	6017436
CGR 50 200 FT	50	4.5	3	177.134	6017444
CGR 50 300 FT	50	4.5	3	204.334	6017452
CGR 50 400 FT	50	4.5	3	232.334	6017460

C-shaped mesh cable tray made of spot-welded steel wire of side height 50 mm.
Magnetic shield insulation 15 dB.

Type	Length mm	Dim. A mm	Dim. B mm	Usable cross-section cm²
CGR 50 50 FT	3000	26	67	13
CGR 50 100 FT	3000	76	117	34
CGR 50 200 FT	3000	176	217	75
CGR 50 300 FT	3000	276	317	116
CGR 50 400 FT	3000	376	417	157

Dimensions

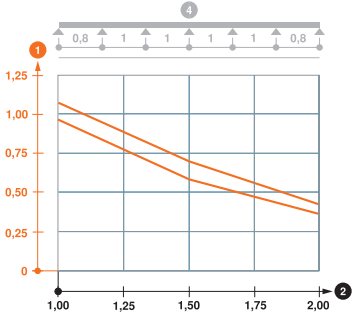


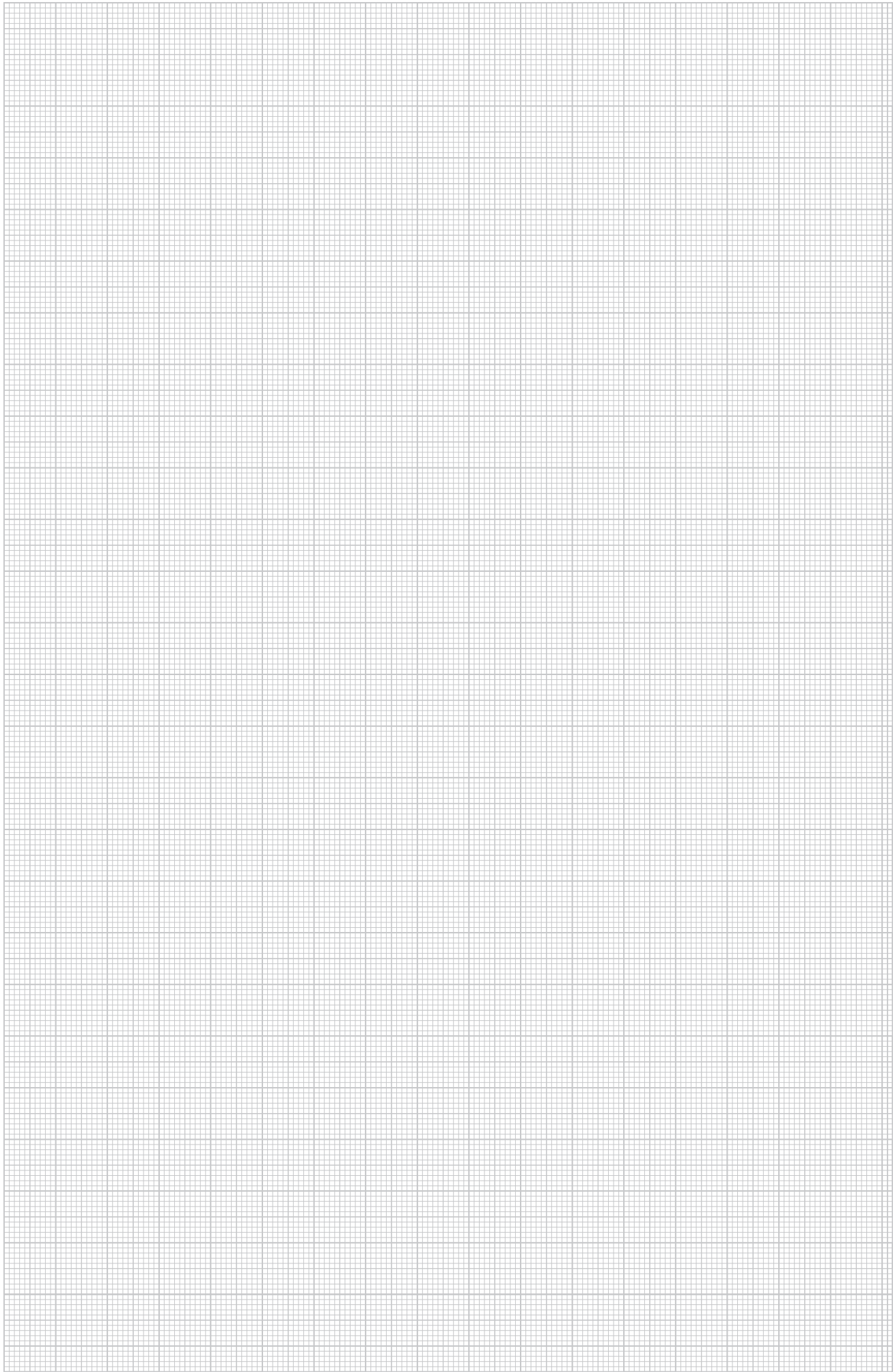
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
CGR 50 50 FT	0.95	0.6	0.35
CGR 50 100 FT	0.95	0.6	0.35
CGR 50 200 FT	1.1	0.7	0.4
CGR 50 300 FT	1.1	0.7	0.4
CGR 50 400 FT	1.1	0.7	0.4

Load

Load diagram, C mesh cable tray, type CGR 50

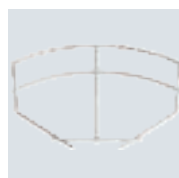
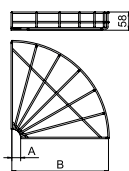
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm





90° mesh cable tray bend, 55

St G

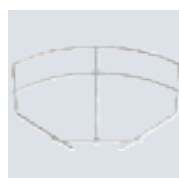
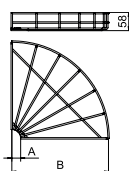


Type	Width mm	Wire Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GRB 90 510 G	100	3.9	1	6.997	6001920
GRB 90 515 G	150	3.9	1	14.400	6001998
GRB 90 520 G	200	3.9	1	18.800	6001939
GRB 90 530 G	300	4.8	1	50.500	6001947
GRB 90 540 G	400	4.8	1	66.100	6001955
GRB 90 550 G	500	4.8	1	95.500	6001963
GRB 90 560 G	600	4.8	1	114.100	6001971

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

90° mesh cable tray bend, 55

St FT

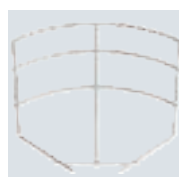
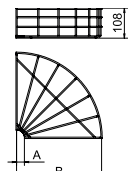


Type	Width mm	Wire Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GRB 90 510 FT	100	3.9	1	7.400	6002218
GRB 90 515 FT	150	3.9	1	15.100	6002222
GRB 90 520 FT	200	3.9	1	19.800	6002226
GRB 90 530 FT	300	4.8	1	52.600	6002234
GRB 90 540 FT	400	4.8	1	68.900	6002242
GRB 90 550 FT	500	4.8	1	99.600	6002250
GRB 90 560 FT	600	4.8	1	118.900	6002269

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

90° mesh cable tray bend, 105

St G

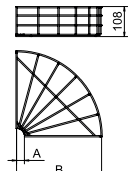


Type	Width mm	Dim. A mm	Dim. B mm	Dim. H mm	Wire Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GRB 90 110 G	100	28	106	108	3.9	1	9.780	6002370
GRB 90 115 G	150	28	156	108	3.9	1	18.800	6002372
GRB 90 120 G	200	28	206	108	4.8	1	36.300	6002374
GRB 90 130 G	300	28	306	108	4.8	1	61.500	6002376
GRB 90 140 G	400	28	406	108	4.8	1	79.200	6002378
GRB 90 150 G	500	33	506	108	4.8	1	112.000	6002382
GRB 90 160 G	600	33	606	108	4.8	1	132.700	6002384

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

90° mesh cable tray bend, 105

St FT



Type	Width mm	Dim. A mm	Dim. B mm	Dim. H mm	Wire Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GRB 90 110 FT	100	28	106	108	3.9	1	10.300	6002307
GRB 90 115 FT	150	28	156	108	3.9	1	19.300	6002311
GRB 90 120 FT	200	28	206	108	4.8	1	37.900	6002315
GRB 90 130 FT	300	28	306	108	4.8	1	64.100	6002323
GRB 90 140 FT	400	28	406	108	4.8	1	82.600	6002331
GRB 90 150 FT	500	33	506	108	4.8	1	116.800	6002358
GRB 90 160 FT	600	33	606	108	4.8	1	138.400	6002366

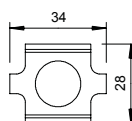
90° bend, horizontal, for all mesh cable trays of 105 mm side height.





Joint connector GSV 34

St G



Type

GSV 34 G

Pack Piece	Weight kg/100 pc.	Item no.
20	3.155	6016596

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.

50–150 mm = 2 units

200–300 mm = 3 units

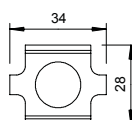
400–450 mm = 4 units

500–600 mm = 5 units

Including FRS M6 x 20 bolt with flange nut.

Joint connector GSV 34

St FT



Type

GSV 34 FT

Pack Piece	Weight kg/100 pc.	Item no.
20	3.150	6016634

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.

50–150 mm = 2 units

200–300 mm = 3 units

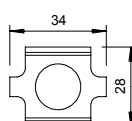
400–450 mm = 4 units

500–600 mm = 5 units

Including FRS M6 x 20 bolt with flange nut.

Joint connector GSV 34

VA VA 2B



Type

GSV 34 A2

GSV 34 A4

Pack Piece	Weight kg/100 pc.	Item no.
20	2.572	6016642
20	3.000	6016648

Screwed version of joint connector for mesh cable trays.

Figure: Positioning and quantity of mesh cable tray connectors.

50–150 mm = 2 units

200–300 mm = 3 units

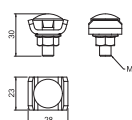
400–450 mm = 4 units

500–600 mm = 5 units

Including screw of type FRS M6 x 20.

GUV 6 joint connector

St FT



Type

GUV 6 FT

Pack Piece	Weight kg/100 pc.	Item no.
20	4.226	6016573

Joint connector for mesh cable tray, type SGR.

Figure: Positioning and quantity of mesh cable tray connectors.

50–150 mm = 2 units

200–300 mm = 3 units

400–450 mm = 4 units

500–600 mm = 5 units

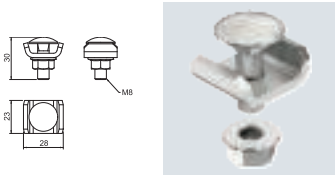
Including FRS M8 x 25 bolt with flange nut.

VA 2B

GUV 6 joint connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
GUV 6 A2	20	4.154	6016574

Joint connector for mesh cable tray, type SGR.
Figure: Positioning and quantity of mesh cable tray connectors.
50–150 mm = 2 units
200–300 mm = 3 units
400–450 mm = 4 units
500–600 mm = 5 units
Including FRS M8 x 20 bolt with flange nut.

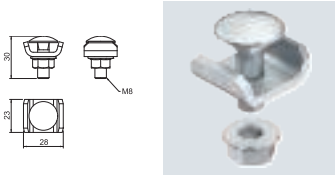


St G

GUV 6 joint connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
GUV 6 G	20	3.945	6016572

Joint connector for mesh cable tray, type SGR.
Figure: Positioning and quantity of mesh cable tray connectors.
50–150 mm = 2 units
200–300 mm = 3 units
400–450 mm = 4 units
500–600 mm = 5 units
Including FRS M8 x 25 bolt with flange nut.

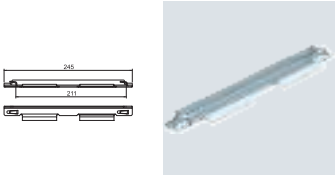


St FS DD

GRV 245 mesh cable tray connector, long

Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
GRV 245 FS	30	20	13.500	6016680
GRV 245 DD	30	20	13.500	6016684

Long mesh cable tray connectors for screwless straight connection of mesh cable trays.
Two straight connectors, type GRV 245, are used for each connection point.
Can be used from a mesh cable tray width of 100 mm.
The FS variant is used to connect electrogalvanised mesh cable trays, the DD variant to connect hot/hot-dip galvanised mesh cable trays and the VA variant to connect stainless steel mesh cable trays.

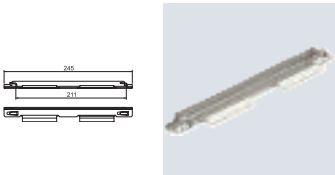


VA 2B

GRV 245 mesh cable tray connector, long

Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
GRV 245 A4	30	20	13.500	6016688

Long mesh cable tray connectors for screwless straight connection of mesh cable trays.
Two straight connectors, type GRV 245, are used for each connection point.
Can be used from a mesh cable tray width of 100 mm.
The FS variant is used to connect electrogalvanised mesh cable trays, the DD variant to connect hot/hot-dip galvanised mesh cable trays and the VA variant to connect stainless steel mesh cable trays.

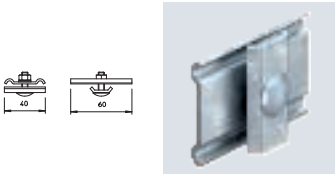


St FT

K 11/262 side connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
K 11 262 FT	25	7.500	6015107

Screwed version of joint connector for mesh cable trays.
Including screw of type FRS M6 x 20.

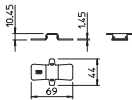




Joint connector

GRS quick connector

St DD



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
GRS 3.9 DD	50	2.500	6016545
GRS 4.8 DD	50	2.500	6016561

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

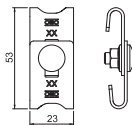
Figure: Positioning and quantity of mesh cable tray connectors.
50–150 mm = 2 units

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

Corner connector

GEV 36 corner connector

St G



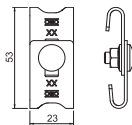
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
GEV 36 G	20	3.040	6016715

Including FRS M6 x 12 bolt with flange nut.

Corner connector for the creation of mesh cable tray bend elements.

GEV 36 corner connector

St FT



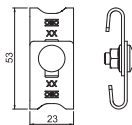
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
GEV 36 FT	20	3.160	6016723

Including FRS M6 x 12 bolt with flange nut.

Corner connector for the creation of mesh cable tray bend elements.

GEV 36 corner connector

VA VA 2B



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
GEV 36 A2	20	3.040	6016731
GEV 36 A4	10	3.040	6016764

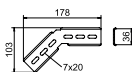
Including FRS M6 x 12 bolt with flange nut.

Corner connector for the creation of mesh cable tray bend elements.

Mounting bracket

45° mounting angle MW 45 SL10

VA 2B



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
MW 45 SL10 A2	20	20.000	6017339

Each with two clamps of type KS 23 35.

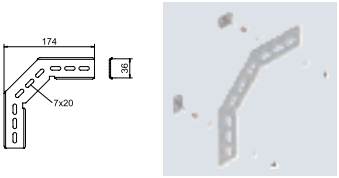
45° installation profile, vertical, for C mesh cable tray and GR-Magic® mesh cable tray with a side height of 55 mm.

St FT

MW 90 SL 90° mounting bracket

Type	Pack Piece	Weight kg/100 pc.	Item no.
MW 90 SL17 FT	20	27.000	6017347
MW 90 SL23 FT	20	35.400	6017355

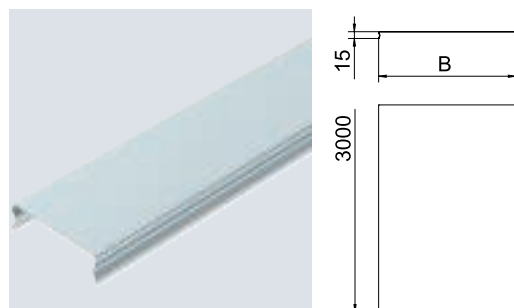
Each with two clamps of type KS 23/35.
90° installation profile, vertical, for C mesh cable tray and GR-Magic® mesh cable tray with a side height of 55 mm.





Cover for mesh cable tray, latchable

St FS



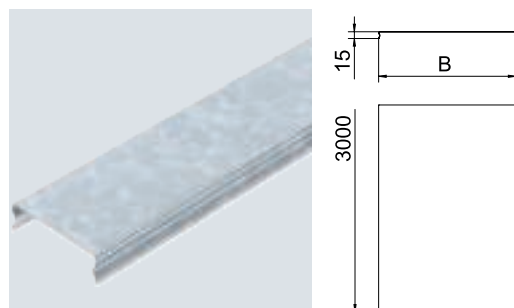
Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DGRR 50 FS	50	0.75	3000	3	46.333	6001840
DGRR 100 FS	98	0.75	3000	3	73.333	6001842
DGRR 150 FS	148	0.75	3000	3	102.667	6001844
DGRR 200 FS	198	0.75	3000	3	132.333	6001846
DGRR 300 FS	298	0.75	3000	3	191.000	6001848
DGRR 400 FS	398	0.75	3000	3	250.000	6001850
DGRR 500 FS	498	0.75	3000	3	309.000	6001852
DGRR 600 FS	598	0.75	3000	3	370.000	6001854

With transverse bead from 400 mm width.

Latchable cover for mesh cable trays. Protects cables from damage, contamination and moisture from above. Suitable for interior areas without particular requirements.

Cover for mesh cable tray, latchable

St FT



Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DGRR 50 FT	50	0.75	3000	3	52.333	6001820
DGRR 100 FT	98	0.75	3000	3	83.000	6001822
DGRR 150 FT	148	0.75	3000	3	116.333	6001824
DGRR 200 FT	198	0.75	3000	3	149.667	6001826
DGRR 300 FT	298	0.75	3000	3	216.333	6001828
DGRR 400 FT	398	0.75	3000	3	282.667	6001830
DGRR 500 FT	498	0.75	3000	3	349.667	6001832
DGRR 600 FT	598	0.75	3000	3	418.000	6001834

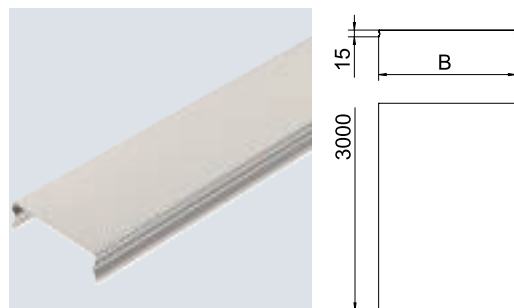
With transverse bead from 400 mm width.

Latchable cover for mesh cable trays. Protects cables from damage, contamination and moisture from above. Suitable for industrial areas such as mechanical engineering.

When using covers outdoors, additional measures against the influence of wind may need to be taken.

Cover for mesh cable tray, latchable

VA 2B



Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DGRR 50 A2	50	0.80	3000	3	47.333	6001860
DGRR 100 A2	97	0.80	3000	3	78.333	6001862
DGRR 150 A2	148	0.80	3000	3	109.667	6001864
DGRR 200 A2	198	0.80	3000	3	141.000	6001866
DGRR 300 A2	298	0.80	3000	3	203.667	6001868
DGRR 400 A2	398	0.80	3000	3	266.333	6001870
DGRR 500 A2	498	0.80	3000	3	329.333	6001872
DGRR 600 A2	598	0.80	3000	3	393.333	6001874

With transverse bead from 400 mm width.

Latchable cover for mesh cable trays. Protects cables from damage, contamination and moisture from above. Suitable for the foodstuffs or chemicals industries.

When using covers outdoors, additional measures against the influence of wind may need to be taken.

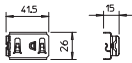




Clamping pieces

Hold-down clamp for barrier strip fastening in GRM

VA 2B

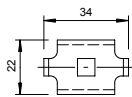


Type	Pack Piece	Weight		Item no.
		kg/100	pc.	
KS GR A2	30	0.830		6062282

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

GKS 34 hold-down clamp

St G

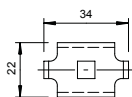


Type	Pack Piece	Weight		Item no.
		kg/100	pc.	
GKS 34 G	20	2.188		6016855

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

GKS 34 hold-down clamp

St FT

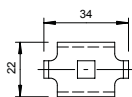


Type	Pack Piece	Weight		Item no.
		kg/100	pc.	
GKS 34 FT	20	2.021		6016820

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

GKS 34 hold-down clamp

VA VA 2B

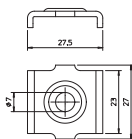


Type	Pack Piece	Weight		Item no.
		kg/100	pc.	
GKS 34 A2	20	2.000		6016839
GKS 34 A4	10	1.976		6016859

Including FRS M6 x 20 bolt with nut and washer.
Hold-down clamp for fixing mesh cable trays to wall or support brackets.

GKB 34 hold-down clamp

St G



Type	Pack Piece	Weight		Item no.
		kg/100	pc.	
GKB 34 G	20	1.105		6016674

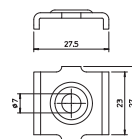
Clamp for fastening mesh cable trays of width 50 mm to the floor.

VA 2B

GKB 34 hold-down clamp

Type	Pack Piece	Weight kg/100 pc.	Item no.
GKB 34 A2	20	1.105	6016676

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

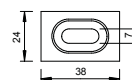


St G

GKT 38 clamping piece

Type	Pack Piece	Weight kg/100 pc.	Item no.
GKT 38 G	20	2.123	6017037

Including FRS M6 x 20 bolt with flange nut.
Clamp for fastening barrier strip in mesh cable trays.

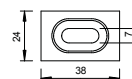


St FT

GKT 38 hold-down clamp

Type	Pack Piece	Weight kg/100 pc.	Item no.
GKT 38 FT	20	2.123	6017061

Including FRS M6 x 20 bolt with flange nut.
Clamp for fastening barrier strip in mesh cable trays.

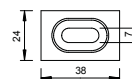


VA VA 2B

GKT 38 clamping piece

Type	Pack Piece	Weight kg/100 pc.	Item no.
GKT 38 A2	20	2.107	6017045
GKT 38 A4	10	2.200	6017092

Including FRS M6 x 20 bolt with flange nut.
Clamp for fastening barrier strip in mesh cable trays.

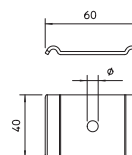


St FS FT

GKS 50 hold-down clamp

Type	Hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GKS 50 07 FS	7	50	3.522	6015263
GKS 50 11 FS	11	50	4.000	6015276
GKS 50 07 FT	7	50	4.100	6015271
GKS 50 11 FT	11	50	4.100	6015278

Use on mesh cable trays with 50 x 100 mm grid only.
Hold-down clamp for fastening mesh cable trays on the ground or on stand-off brackets of type DBL.

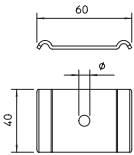




Clamping pieces

Hold-down clamp GKS 50

VA 2B

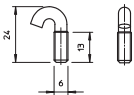


Type	Hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GKS 50 07 A4	7	50	4.000	6015310
GKS 50 11 A4	11	20	4.000	6015280

Use on mesh cable trays with 50 x 100 mm grid only.
Clamp for fastening mesh cable trays.

HS M6 hook screw

A2 2B

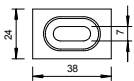


Type	Thread	Pack Piece	Weight kg/100 pc.	Item no.
HS M6x13 A2	M6	100	0.573	1154990

Hook screw for fastening cable tracks on the bracket.

Hold-down clamp GKB 38

VA 2B



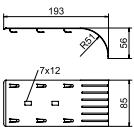
Type	Pack Piece	Weight kg/100 pc.	Item no.
GKB 38 A2	20	1.061	6017018

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

Cable exit plate

Exit plate

St FS FT

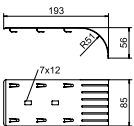


Type	Pack Piece	Weight kg/100 pc.	Item no.
KAB GR FS	10	14.100	6220139
KAB GR FT	10	14.100	6220142

The exit plate allows compliance with specific bend radii, thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.

Exit plate

VA 2B



Type	Pack Piece	Weight kg/100 pc.	Item no.
KAB GR A2	10	14.100	6220145

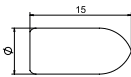
The exit plate allows compliance with specific bend radii, thus preventing possible cable breaks. Can be mounted in a lengthwise direction and at the side, can be arranged for greater widths.

PVC

End cap

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
GR KS 3.9 OR	Pure orange	500	0.045	6003750
GR KS 4.8 OR	Pure orange	500	0.030	6003754

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

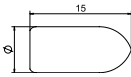


PVC

End cap

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SGR KS OR	Pure orange	500	0.036	6003758

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



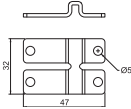
Wall and floor fastener

St FT

Wall clamp and central hanger

Type	Version	Pack Piece	Weight kg/100 pc.	Item no.
WB GR FT	For wire thickness 6.0 mm	20	2.540	6017160

Fastening component for direct mounting of mesh cable trays to the wall and floor. Can be screwed or riveted on.

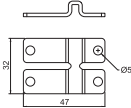


VA 2B

Wall clamp and central hanger

Type	Version	Pack Piece	Weight kg/100 pc.	Item no.
WB GR A4	For wire thickness 6.0 mm	20	2.423	6017164

Fastening component for direct mounting of mesh cable trays to the wall and floor. Can be screwed or riveted on.



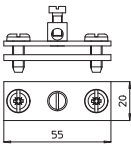
Equipotential bonding and earthing

St G

Earthing terminal for cables and flat conductors

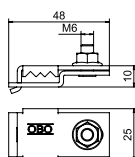
Type	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
939	150	25	5.932	5043107

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



Equipotential bonding and earthing

Grounding clamp

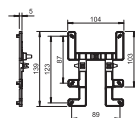


Type	Pack Piece	Weight kg/100 pc.	Item no.
VEK-GRM 3.9 FS	25	3.850	6016694
VEK-GRM 4.8 FS	25	3.800	6016696

The connection and earthing terminal is used to reduce electrical resistance and therefore improves the electric conductivity in GRM mesh cable systems in the area of the joint. This allows fulfilment of the high demands in terms of the transition resistance according to, for example, NEMA and CSA. Furthermore, the connection and earthing terminal is compulsory when used as a protective conductor in a mesh cable tray system (national regulations have to be followed when creating such a system).

Mounting elements, junction box

Fastening element for mesh cable tray

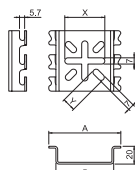


Type	Pack Piece	Weight kg/100 pc.	Item no.
BE TS GR	10	2,300	2007833

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.

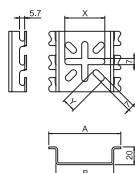
Mounting plate for mesh cable tray



Type	Pack Piece	Weight kg/100 pc.	Item no.
MPG 65 FT	30	9.100	6006486
MPG 90 FT	30	16.800	6006487

Mounting plate for screwless wall fastening of mesh cable trays.

Mounting plate for mesh cable tray

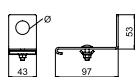


Type	Pack Piece	Weight kg/100 pc.	Item no.
MPG 65 A4	30	8.800	6006488
MPG 90 A4	30	16.100	6006489

Accessories can be fastened to the mounting plate. In addition, the plate can be used for wall brackets.
Mounting plate for screwless wall fastening of mesh cable trays.

Side holder

Side holder for cable gland



Type	Hole Ø mm		Pack Piece	Weight kg/100 pc.	Item no.
SH KAB 20 FS	20		10	15.000	6015425
SH KAB 25 FS	25		10	14.700	6015433

Conduit take-off bracket with punched hole for accepting cable glands.

St

Bolt cutter

Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
GR BS	—	1	85.000	6017698

Bolt cutter for cutting mesh cable trays.



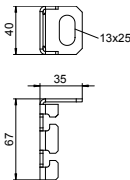
Connection component

St FT

Connection component

Type	Pack Piece	Weight kg/100 pc.	Item no.
ABG FT	20	8.500	6015345

Seat for threaded rod on mesh cable tray.



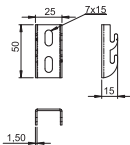
Hook rails for G mesh cable tray

St FS

Hook rail for G mesh cable tray

Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R50 FS	50	25	15	25	2.300	6005605

Hook rail for wall mounting of G mesh cable trays

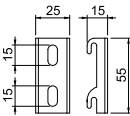


VA 2B

Hook rail for G mesh cable tray

Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R50 A2	50	25	15	25	2.300	6005635

Hook rail for wall mounting of G mesh cable trays

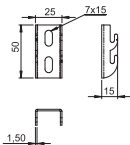


St FS

Hook rail for G mesh cable tray

Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R75 FS	55	25	15	25	2.400	6005607

Hook rail for wall mounting of G mesh cable trays

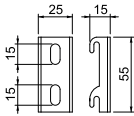




Hook rails for G mesh cable tray

Hook rail for G mesh cable tray

VA 2B

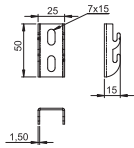


Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R75 A2	55	25	15	25	2.400	6005637

Hook rail for wall mounting of G mesh cable trays

Hook rail for G mesh cable tray

St FS

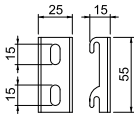


Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R125 FS	105	25	15	25	4.600	6005612

Hook rail for wall mounting of G mesh cable trays

Hook rail for G mesh cable tray

VA 2B

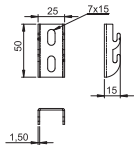


Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R125 A2	105	25	15	25	4.600	6005642

Hook rail for wall mounting of G mesh cable trays

Hook rail for G mesh cable tray

St FS

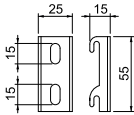


Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R150 FS	110	25	15	25	4.800	6005615

Hook rail for wall mounting of G mesh cable trays

Hook rail for G mesh cable tray

VA 2B



Type	Length mm	Width mm	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
G-GRM-R150 A2	110	25	15	25	4.800	6005645

Hook rail for wall mounting of G mesh cable trays

PP

Mesh cable tray adapter for roof conductor holder, type 165 MBG 8-10

Type	Item no.
165 MBG HGRM	5218886

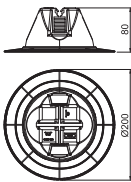


PA/
PE

Roof conductor holder for flat roofs, with increased base section

Type	Fit mm	Pack Piece	Weight kg/100 pc.	Item no.
165 MBG-8-10 200	Rd 8-10	12	100.000	5218716

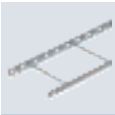
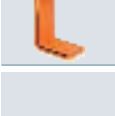
- DIN 48829 Form B 1
- Closed form with bottom
- With double conductor holder
- Filling weight 1 kg (frost-resistant concrete)
- Sleeve from polyethylene, black, bottom polypropylene, black
- With larger bottom section (Ø 200 mm) for improved stability



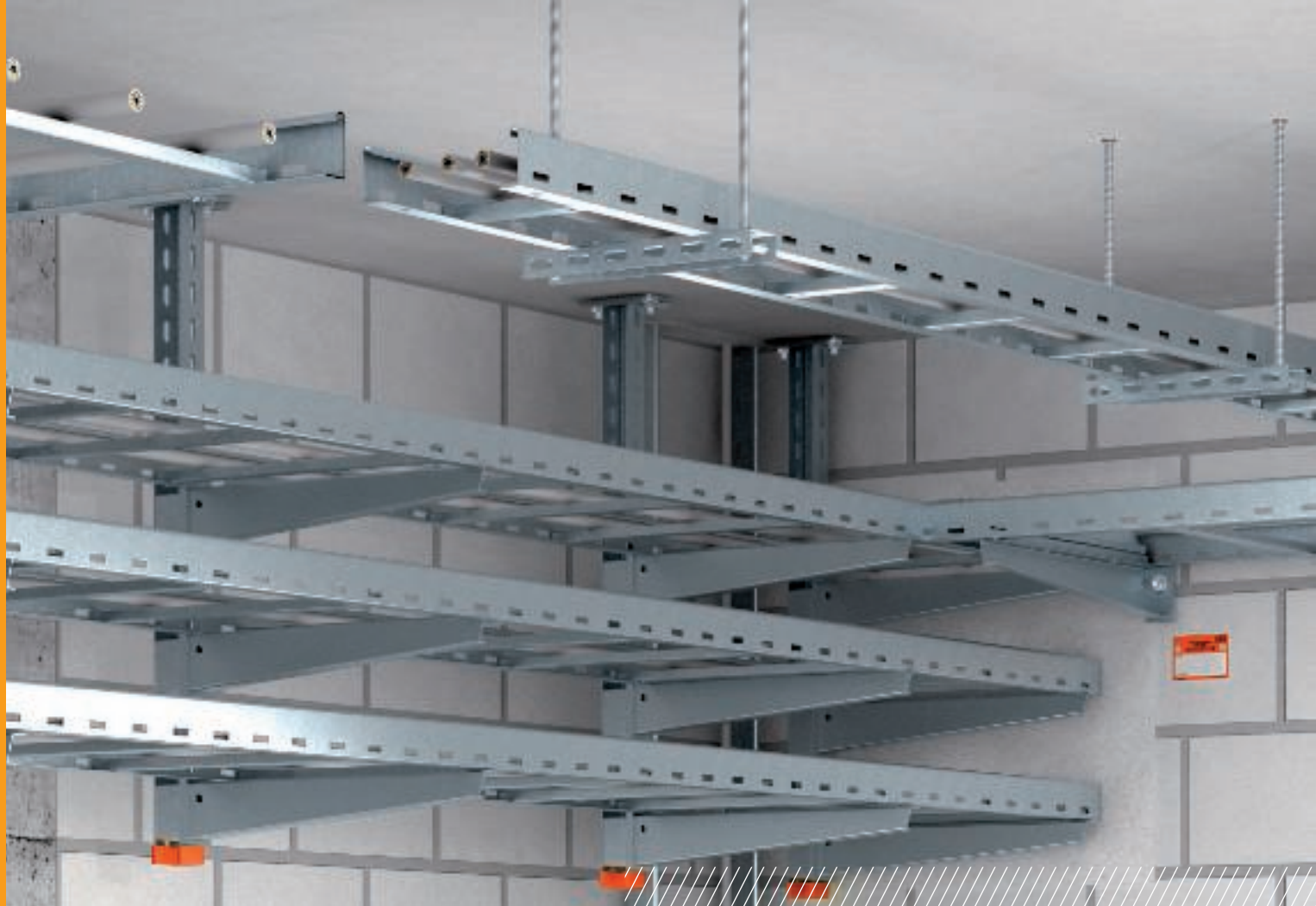
Cable ladders



Cable ladders

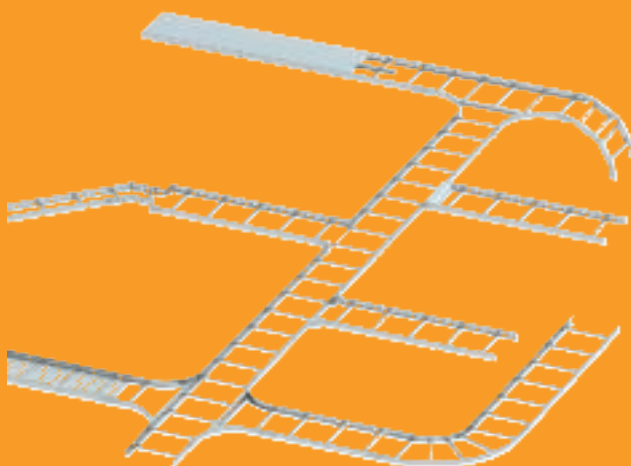
	Cable ladders, riveted	222
	Cable ladders, welded	236
	Wide span cable ladders	246
	Cable ladders, marine standard	256
	Vertical ladders	268
	Fittings, cable ladders, welded	274
	Fittings, wide span cable ladders	280
	Fittings, cable ladders, marine standard	282
	Connector	286
	Lid	296
	Accessories, cable ladders	298
	Lid, fittings	306





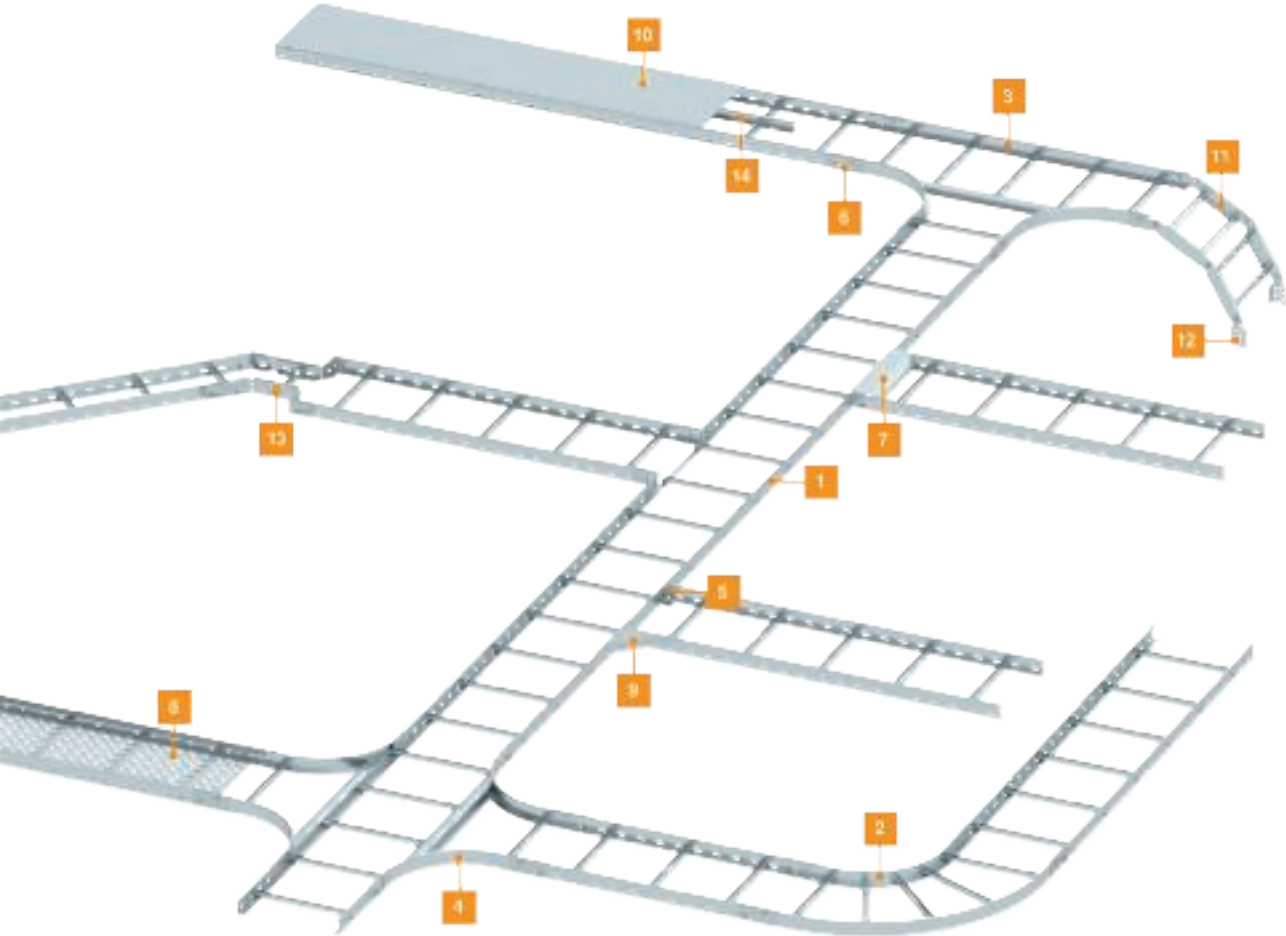
Riveted cable ladder systems

The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation benefits. A factor guaranteeing easy mounting is the option of integrated fastening of cables using OBO U clamps to the rungs, which are available in various different versions.



Riveted cable ladder systems

Installation principle



1	Cable ladders	LG	11	Adjustable bend element	LGBE
2	90° bend, welded	LBI 90	12	Adjustable connector	LGVG
3	Tee, welded	LT	13	Multifunctional connector	LMFV
4	Add-on tee, welded	LAA	14	Barrier strip	TSG
5	Connection piece	LAS			
6	Straight connector	LVG			
7	Support plate	LWVG			
8	Insertion plate	ELB			
9	Corner plate	LEB			
10	Cover with cover clamp	WDRL			



Cable ladder LG 60, 3 m VS

St FS

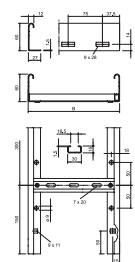


Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 3 FS	200		3	267.000	6208538
LG 630 VS 3 FS	300		3	288.933	6208541
LG 640 VS 3 FS	400		3	314.600	6208544
LG 650 VS 3 FS	500		3	332.600	6208547
LG 660 VS 3 FS	600		3	354.266	6208550

The cable ladder is shipped folded up. Cables can be mounted with the matching clamp clip, type 2056. The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for maintenance of electrical function, type 2056 M. Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS 3 FS	3000	200	1.5	98	300
LG 630 VS 3 FS	3000	300	1.5	148	300
LG 640 VS 3 FS	3000	400	1.5	198	300
LG 650 VS 3 FS	3000	500	1.5	248	300
LG 660 VS 3 FS	3000	600	1.5	298	300

Dimensions

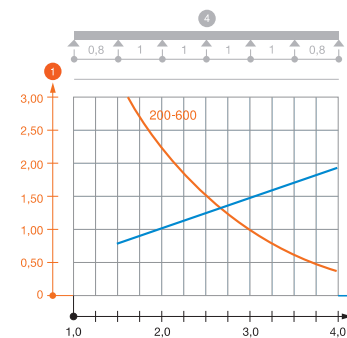


	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 3 FS	2.25	1.5	1.1	0.45
LG 630 VS 3 FS	2.25	1.5	1.1	0.45
LG 640 VS 3 FS	2.25	1.5	1.1	0.45
LG 650 VS 3 FS	2.25	1.5	1.1	0.45
LG 660 VS 3 FS	2.25	1.5	1.1	0.45

Load diagram, LG 60 VS

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



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St FS

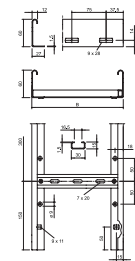
Cable ladder LG 60, 6 m VS



The cable ladder is shipped folded up. Cables can be mounted with the matching clamp clip, type 2056. The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for maintenance of electrical function, type 2056 M. Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

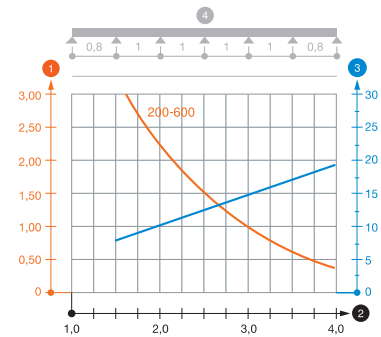
Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 6 FS	200		6	267.066	6208627
LG 630 VS 6 FS	300		6	288.733	6208630
LG 640 VS 6 FS	400		6	314.400	6208633
LG 650 VS 6 FS	500		6	332.400	6208636
LG 660 VS 6 FS	600		6	354.066	6208639

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	Rung spacing mm
LG 620 VS 6 FS	6000	200	1.5	98	300
LG 630 VS 6 FS	6000	300	1.5	148	300
LG 640 VS 6 FS	6000	400	1.5	198	300
LG 650 VS 6 FS	6000	500	1.5	248	300
LG 660 VS 6 FS	6000	600	1.5	298	300

Load



	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 6 FS	2.25	1.5	1.1	0.45
LG 630 VS 6 FS	2.25	1.5	1.1	0.45
LG 640 VS 6 FS	2.25	1.5	1.1	0.45
LG 650 VS 6 FS	2.25	1.5	1.1	0.45
LG 660 VS 6 FS	2.25	1.5	1.1	0.45

Load diagram, LG 60 VS

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable ladder LG 60, 3 m VS

St FT

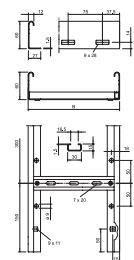


Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 3 FT	200		3	285.066	6208562
LG 630 VS 3 FT	300		3	308.000	6208566
LG 640 VS 3 FT	400		3	331.000	6208570
LG 650 VS 3 FT	500		3	354.733	6208574
LG 660 VS 3 FT	600		3	385.400	6208578

The cable ladder is shipped folded up. Cables can be mounted with the matching clamp clip, type 2056. The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for the maintenance of electrical function, type 2056 M. Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS 3 FT	3000	200	1.5	98	300
LG 630 VS 3 FT	3000	300	1.5	148	300
LG 640 VS 3 FT	3000	400	1.5	198	300
LG 650 VS 3 FT	3000	500	1.5	248	300
LG 660 VS 3 FT	3000	600	1.5	298	300

Dimensions

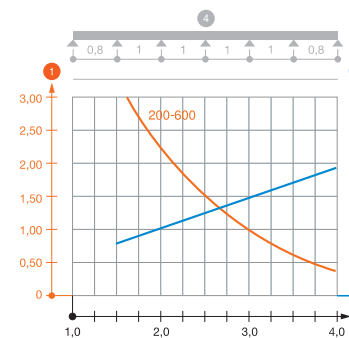


	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 3 FT	2.25	1.5	1.1	0.45
LG 630 VS 3 FT	2.25	1.5	1.1	0.45
LG 640 VS 3 FT	2.25	1.5	1.1	0.45
LG 650 VS 3 FT	2.25	1.5	1.1	0.45
LG 660 VS 3 FT	2.25	1.5	1.1	0.45

Load diagram, LG 60 VS

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

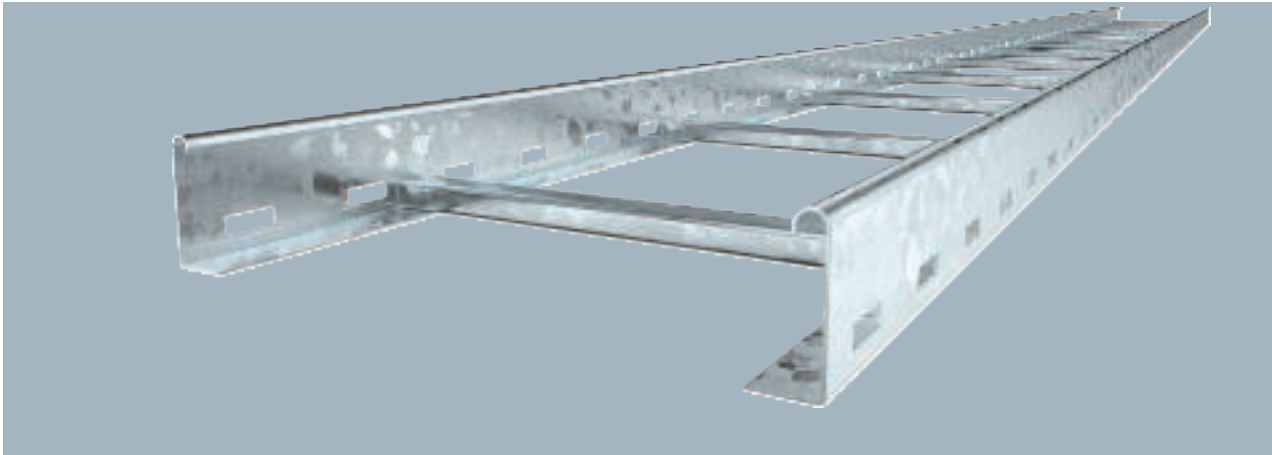
Load



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St FT

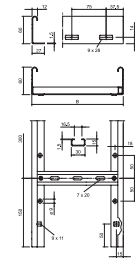
Cable ladder LG 60, 6 m VS



The cable ladder is shipped folded up. Cables can be mounted with the matching clamp clip, type 2056. The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for maintenance of electrical function, type 2056 M. Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

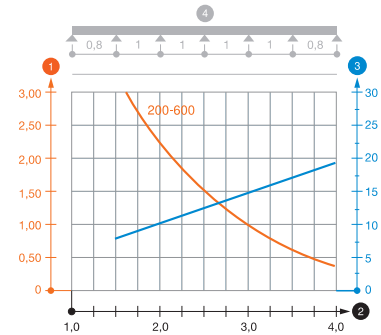
Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 6 FT	200		6	284.833	6208650
LG 630 VS 6 FT	300		6	307.833	6208653
LG 640 VS 6 FT	400		6	330.833	6208656
LG 650 VS 6 FT	500		6	354.500	6208659
LG 660 VS 6 FT	600		6	385.166	6208661

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS 6 FT	6000	200	1.5	98	300
LG 630 VS 6 FT	6000	300	1.5	148	300
LG 640 VS 6 FT	6000	400	1.5	198	300
LG 650 VS 6 FT	6000	500	1.5	248	300
LG 660 VS 6 FT	6000	600	1.5	298	300

Load



	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 6 FT	2.25	1.5	1.1	0.45
LG 630 VS 6 FT	2.25	1.5	1.1	0.45
LG 640 VS 6 FT	2.25	1.5	1.1	0.45
LG 650 VS 6 FT	2.25	1.5	1.1	0.45
LG 660 VS 6 FT	2.25	1.5	1.1	0.45

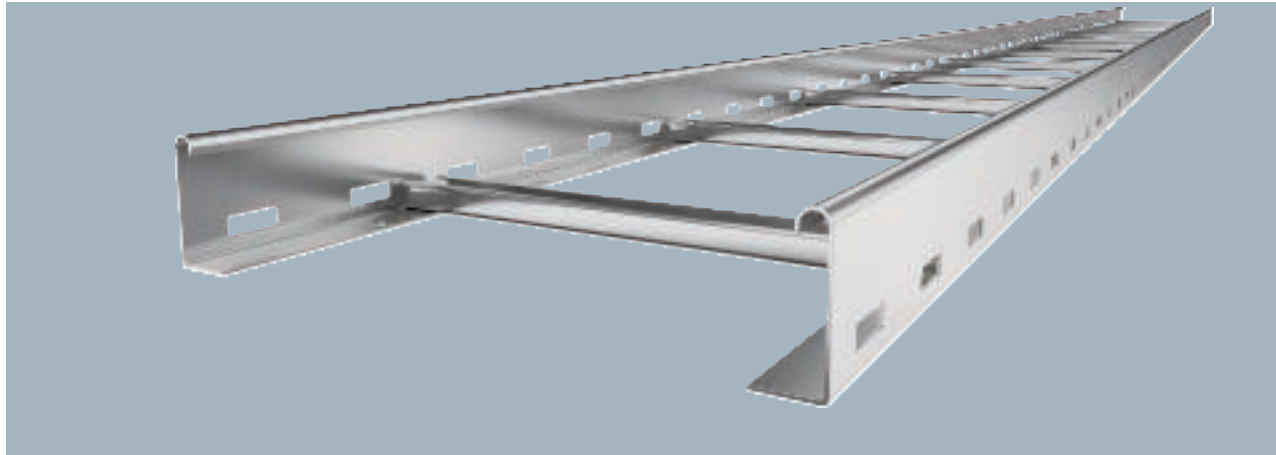
Load diagram, LG 60 VS

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable ladder LG 60, 6 m VS

VA 2B



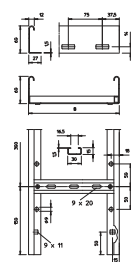
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 VS6 A2	200	6	267.067	6208700
LG 630 VS6 A2	300	6	288.733	6208703
LG 640 VS6 A2	400	6	314.400	6208706
LG 650 VS6 A2	500	6	332.400	6208709
LG 660 VS6 A2	600	6	354.066	6208712

The cable ladder is shipped folded up. You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.

Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS6 A2	6000	200	1.5	98	300
LG 630 VS6 A2	6000	300	1.5	148	300
LG 640 VS6 A2	6000	400	1.5	198	300
LG 650 VS6 A2	6000	500	1.5	248	300
LG 660 VS6 A2	6000	600	1.5	298	300

Dimensions

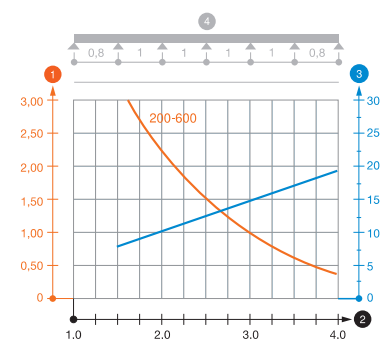


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	3.5 m kN/m	4.0 m kN/m
LG 620 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 630 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 640 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 650 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 660 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45

Load diagram, LG 60 VS

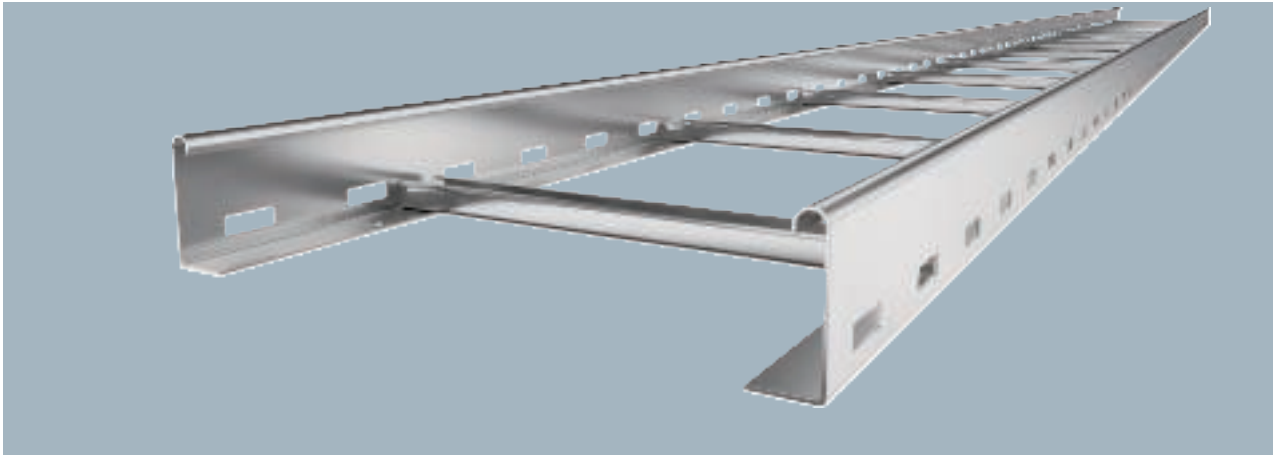
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



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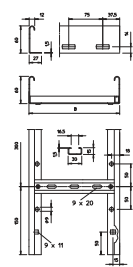
Cable ladder LG 60, 6 m VS



The cable ladder is shipped folded up.
You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.
Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

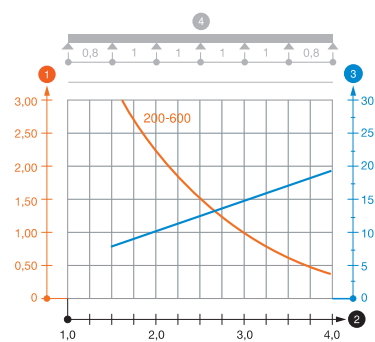
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 VS6 A4	200	6	267.733	6101200
LG 630 VS6 A4	300	6	288.733	6101208
LG 640 VS6 A4	400	6	314.400	6101216
LG 650 VS6 A4	500	6	341.666	6101223
LG 660 VS6 A4	600	6	354.000	6101232

Dimensions



Type	Length mm	Dim. B mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS6 A4	6000	200	98	300
LG 630 VS6 A4	6000	300	148	300
LG 640 VS6 A4	6000	400	198	300
LG 650 VS6 A4	6000	500	248	300
LG 660 VS6 A4	6000	600	298	300

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	3.5 m kN/m	4.0 m kN/m
LG 620 VS6 A4	3.1	2.25	1.5	1.1	0.75	0.45
LG 630 VS6 A4	3.1	2.25	1.5	1.1	0.75	0.45
LG 640 VS6 A4	3.1	2.25	1.5	1.1	0.75	0.45
LG 650 VS6 A4	3.1	2.25	1.5	1.1	0.75	0.45
LG 660 VS6 A4	3.1	2.25	1.5	1.1	0.75	0.45

Load diagram, LG 60 VS

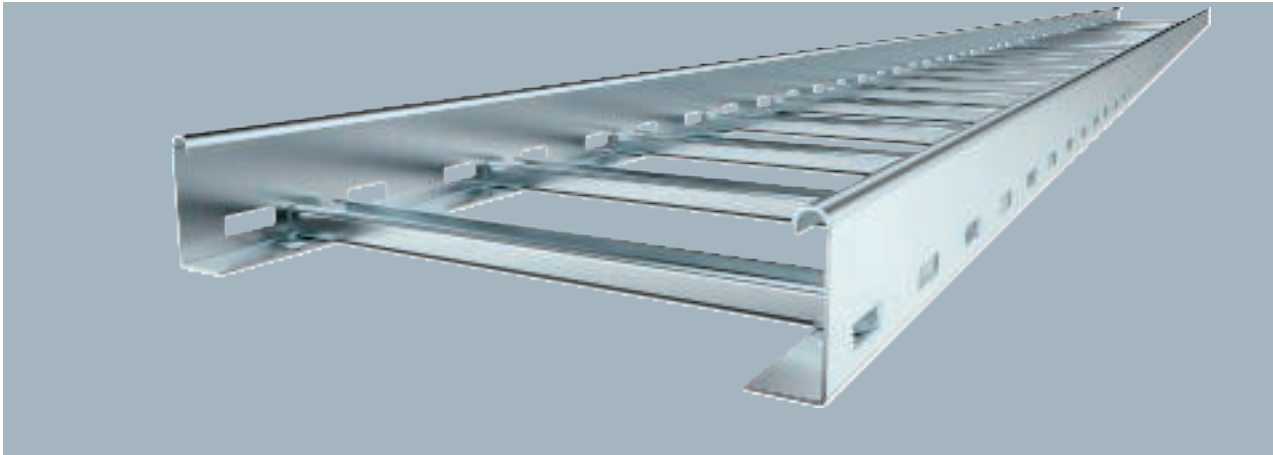
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



LG 60 cable ladder system

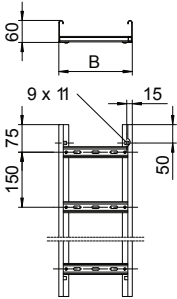
LG 60 cable ladder, 6 m VSF

St	FS	
E30	E60	E90



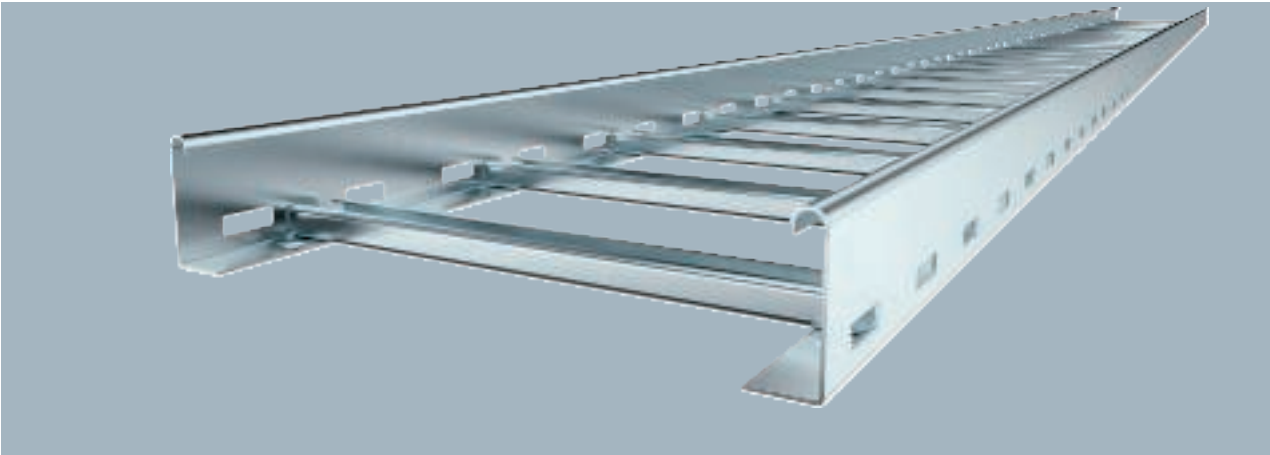
Type	Rail thickness mm	Width mm	Length mm	Rung spacing mm	Dim. B mm	Pack m	Weight kg/100 m	Item no.
LG 620 VSF6000FS	1.5	200	6000	150	200	6	311.866	6207501
LG 630 VSF6000FS	1.5	300	6000	150	300	6	355.833	6207505
LG 640 VSF6000FS	1.5	400	6000	150	400	6	407.166	6207509

Cable ladder for the horizontal routing of cables. Can be used as a standard support structure for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical function classes E30 to E90. With riveted C profile rung, open in an upward direction.

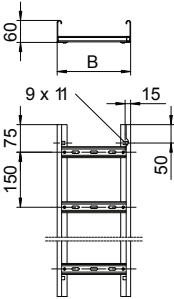


St FT
E30 E60 E90

LG 60 cable ladder, 6 m VSF



Cable ladder for the horizontal routing of cables. Can be used as a standard support structure for the maintenance of electrical functionality according to DIN 4102 Part 12. Maintenance of electrical function classes E30 to E90. With riveted C profile rung, open in an upward direction.

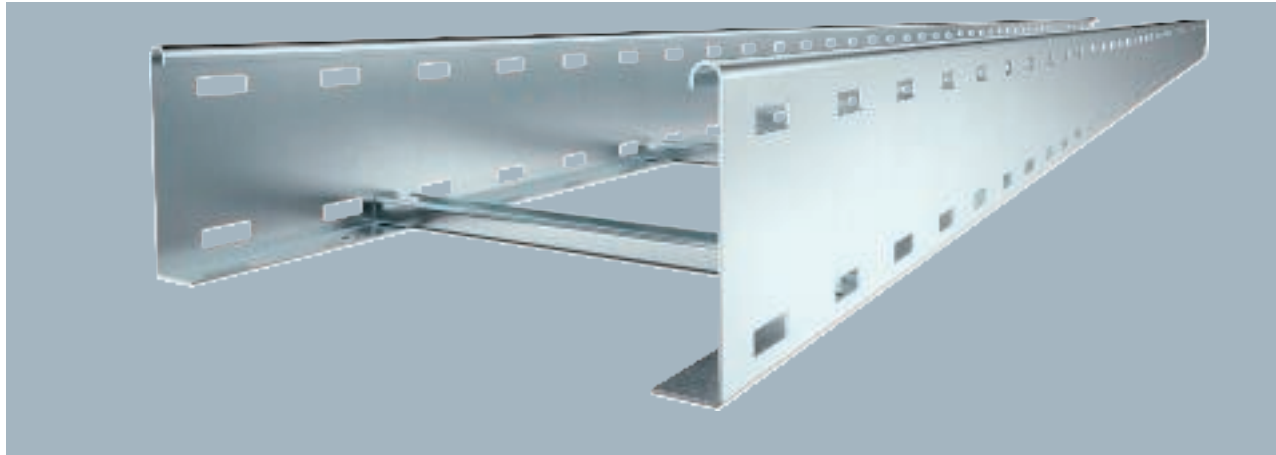


Type	Rail thickness mm	Width mm	Length mm	Rung spacing mm	Dim. B mm	Pack m	Weight kg/100 m	Item no.
LG 620 VSF FT	1.5	200	6000	150	200	6	333.166	6207523
LG 630 VSF FT	1.5	300	6000	150	300	6	379.166	6207527
LG 640 VSF FT	1.5	400	6000	150	400	6	425.166	6207531



Cable ladder LG 110, 3 m VS

St FS



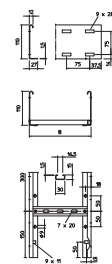
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 3 FS	200	3	396.600	6216404
LG 113 VS 3 FS	300	3	396.600	6216407
LG 114 VS 3 FS	400	3	422.267	6216410
LG 115 VS 3 FS	500	3	440.267	6216413
LG 116 VS 3 FS	600	3	462.000	6216416

The cable ladder is shipped folded up. You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.

Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 112 VS 3 FS	3000	200	1.5	188	300
LG 113 VS 3 FS	3000	300	1.5	283	300
LG 114 VS 3 FS	3000	400	1.5	378	300
LG 115 VS 3 FS	3000	500	1.5	475	300
LG 116 VS 3 FS	3000	600	1.5	568	300

Dimensions

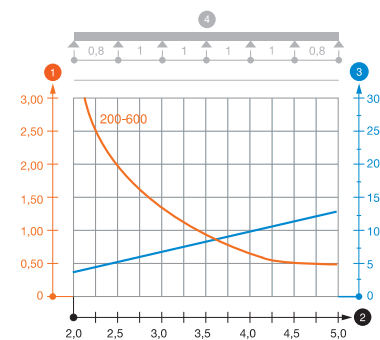


	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 3 FS	3.1	1.4	0.65	0.5
LG 113 VS 3 FS	3.1	1.4	0.65	0.5
LG 114 VS 3 FS	3.1	1.4	0.65	0.5
LG 115 VS 3 FS	3.1	1.4	0.65	0.5
LG 116 VS 3 FS	3.1	1.4	0.65	0.5

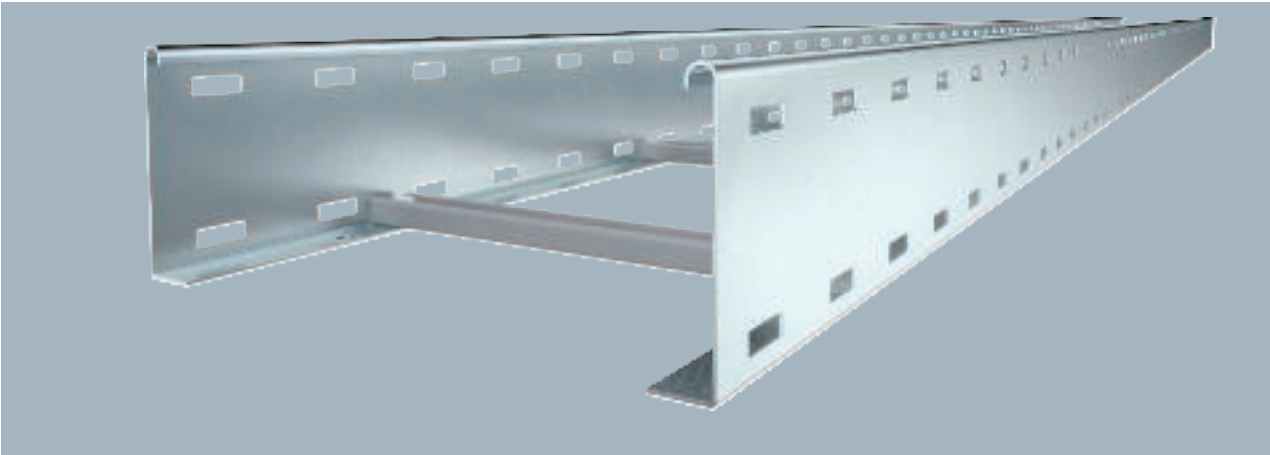
Load diagram, cable ladder, type LG 110 VS

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



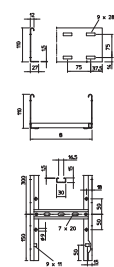
Cable ladder LG 110, 6 m VS



The cable ladder is shipped folded up.
You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.
Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

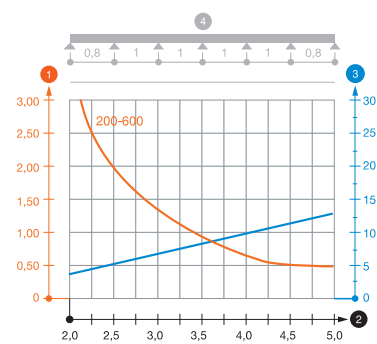
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 6 FS	200	6	374.966	6216442
LG 113 VS 6 FS	300	6	396.633	6216445
LG 114 VS 6 FS	400	6	422.300	6216448
LG 115 VS 6 FS	500	6	440.300	6216451
LG 116 VS 6 FS	600	6	461.967	6216454

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	Rung spacing mm
LG 112 VS 6 FS	6000	200	1.5	188	300
LG 113 VS 6 FS	6000	300	1.5	283	300
LG 114 VS 6 FS	6000	400	1.5	378	300
LG 115 VS 6 FS	6000	500	1.5	475	300
LG 116 VS 6 FS	6000	600	1.5	568	300

Load



	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 6 FS	3.1	1.4	0.65	0.5
LG 113 VS 6 FS	3.1	1.4	0.65	0.5
LG 114 VS 6 FS	3.1	1.4	0.65	0.5
LG 115 VS 6 FS	3.1	1.4	0.65	0.5
LG 116 VS 6 FS	3.1	1.4	0.65	0.5

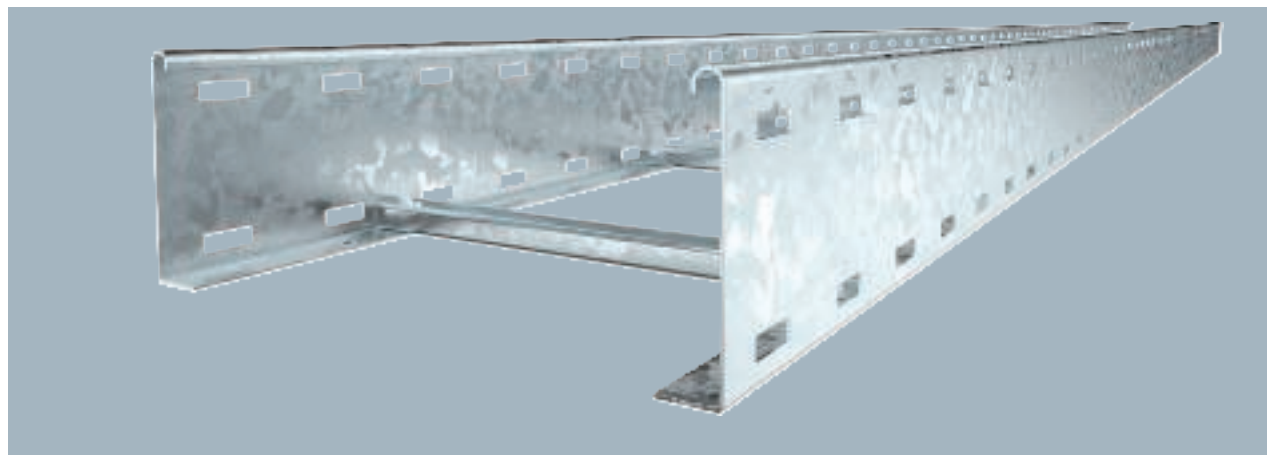
Load diagram, cable ladder, type LG 110 VS

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable ladder LG 110, 6 m VS

St FT



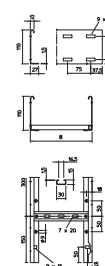
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 6 FT	200	6	399.867	6216465
LG 113 VS 6 FT	300	6	422.833	6216468
LG 114 VS 6 FT	400	6	445.867	6216471
LG 115 VS 6 FT	500	6	469.533	6216474
LG 116 VS 6 FT	600	6	500.200	6216477

The cable ladder is shipped folded up. You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.

Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 112 VS 6 FT	6000	200	1.5	188	300
LG 113 VS 6 FT	6000	300	1.5	283	300
LG 114 VS 6 FT	6000	400	1.5	378	300
LG 115 VS 6 FT	6000	500	1.5	475	300
LG 116 VS 6 FT	6000	600	1.5	568	300

Dimensions

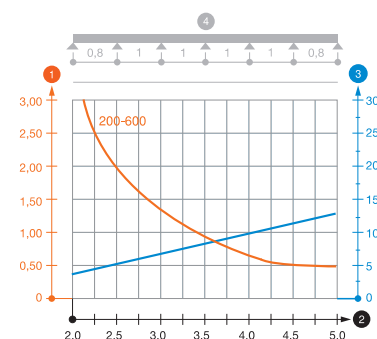


	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 6 FT	3.1	1.4	0.65	0.5
LG 113 VS 6 FT	3.1	1.4	0.65	0.5
LG 114 VS 6 FT	3.1	1.4	0.65	0.5
LG 115 VS 6 FT	3.1	1.4	0.65	0.5
LG 116 VS 6 FT	3.1	1.4	0.65	0.5

Load diagram, cable ladder, type LG 110 VS

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load

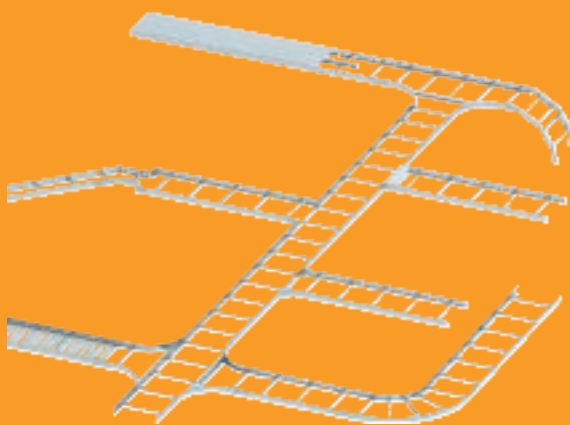






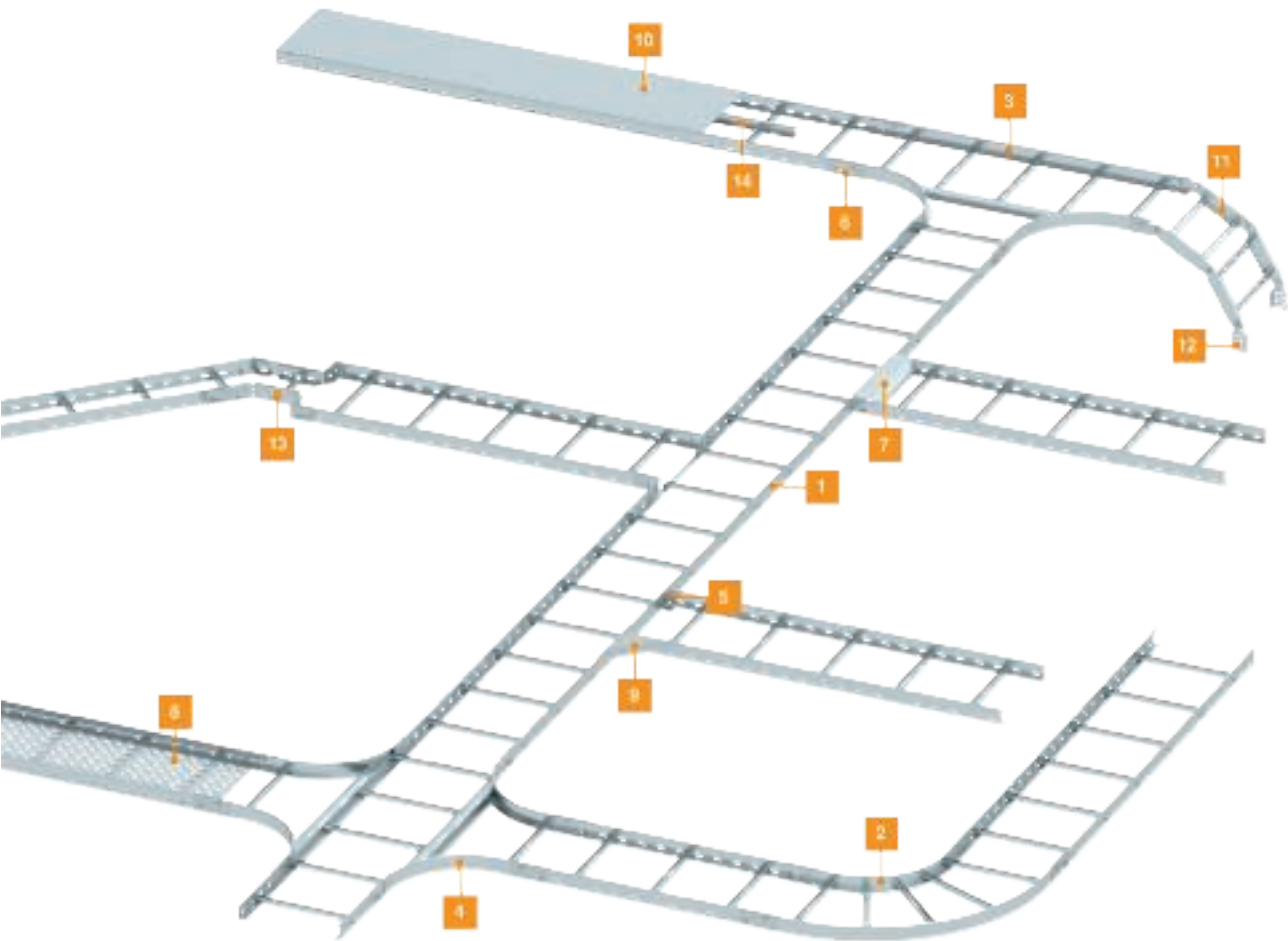
Welded cable ladder systems

The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation benefits. A factor guaranteeing easy mounting is the option of integrated fastening of cables using OBO U clamps to the rungs, which are available in various different versions.



Cable ladder systems, welded

Installation principle

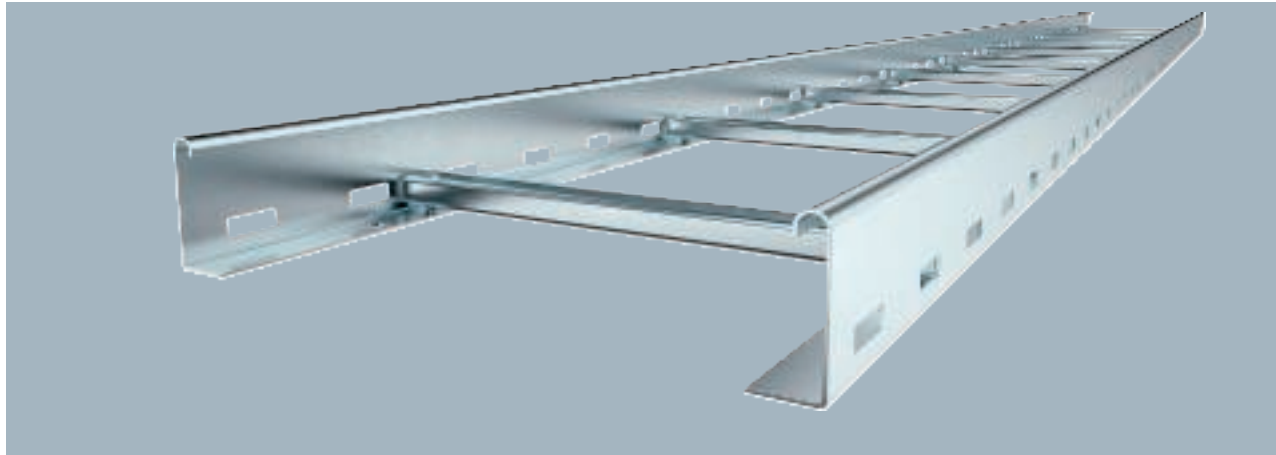


1	Cable ladders	LCIS	11	Adjustable bend element	LGBE
2	90° bend	LB 90	12	Adjustable connector	LGVG
3	T branch piece	LT	13	Multifunctional connector	LMFV
4	Add-on tee	LAA	14	Barrier strip	
5	Connection piece	LAS			
6	Straight connector	LVG			
7	Support plate	SAB			
8	Insertion plate	ELB-L			
9	Corner plate	LEB			
10	Cover with cover clamp				



Cable ladder LCIS 60, 3 m C30

St FS

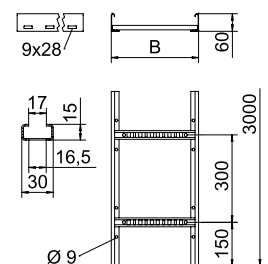


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 3 FS	200	3	266.670	6209610
LCIS 630 3 FS	300	3	288.670	6209612
LCIS 640 3 FS	400	3	310.340	6209614
LCIS 650 3 FS	500	3	332.340	6209616
LCIS 660 3 FS	600	3	354.000	6209618

Cable ladder with a 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamping pieces, type LKS 40. The slot dimension of the rung is 16.5 mm and the appropriate clamp clip is type 2056.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 3 FS	3000	200	1.5	80	300
LCIS 630 3 FS	3000	300	1.5	120	300
LCIS 640 3 FS	3000	400	1.5	160	300
LCIS 650 3 FS	3000	500	1.5	200	300
LCIS 660 3 FS	3000	600	1.5	240	300

Dimensions

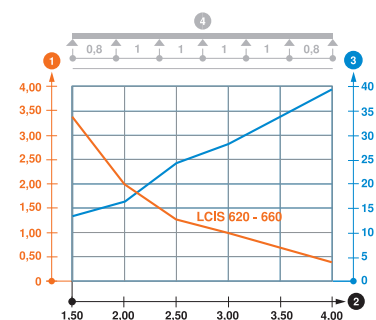


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 3 FS	3.3	2	1.3	1	0.4
LCIS 630 3 FS	3.3	2	1.3	1	0.4
LCIS 640 3 FS	3.3	2	1.3	1	0.4
LCIS 650 3 FS	3.3	2	1.3	1	0.4
LCIS 660 3 FS	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



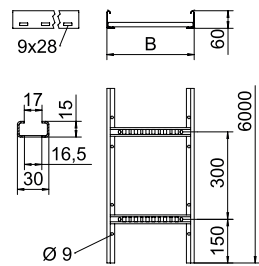
Cable ladder LCIS 60, 6 m C30



Cable ladder with a 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamping pieces, type LKS 40. The slot dimension of the rung is 16.5 mm and the appropriate clamp clip is type 2056.

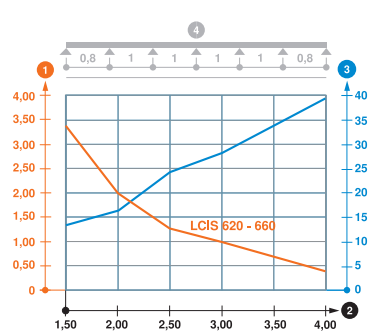
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 FS	200	6	267.170	6209630
LCIS 630 6 FS	300	6	288.840	6209632
LCIS 640 6 FS	400	6	310.670	6209634
LCIS 650 6 FS	500	6	332.340	6209636
LCIS 660 6 FS	600	6	354.000	6209638

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 6 FS	6000	200	1.5	80	300
LCIS 630 6 FS	6000	300	1.5	120	300
LCIS 640 6 FS	6000	400	1.5	160	300
LCIS 650 6 FS	6000	500	1.5	200	300
LCIS 660 6 FS	6000	600	1.5	240	300

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 6 FS	3.3	2	1.3	1	0.4
LCIS 630 6 FS	3.3	2	1.3	1	0.4
LCIS 640 6 FS	3.3	2	1.3	1	0.4
LCIS 650 6 FS	3.3	2	1.3	1	0.4
LCIS 660 6 FS	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable ladder LCIS 60, 3 m C30

St FT

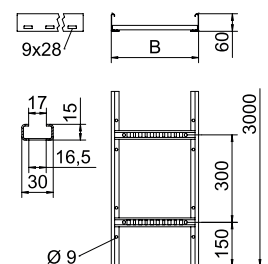


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 3 FT	200	3	283.000	6209721
LCIS 630 3 FT	300	3	306.000	6209723
LCIS 640 3 FT	400	3	329.340	6209725
LCIS 650 3 FT	500	3	352.340	6209727
LCIS 660 3 FT	600	3	375.340	6209729

Cable ladder with a 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamping pieces, type LKS 40. The slot dimension of the rung is 16.5 mm and the appropriate clamp clip is type 2056.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 3 FT	3000	200	1.5	80	300
LCIS 630 3 FT	3000	300	1.5	120	300
LCIS 640 3 FT	3000	400	1.5	160	300
LCIS 650 3 FT	3000	500	1.5	200	300
LCIS 660 3 FT	3000	600	1.5	240	300

Dimensions

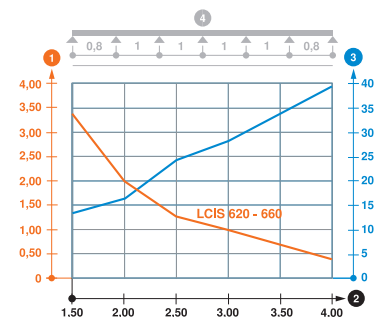


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 3 FT	3.3	2	1.3	1	0.4
LCIS 630 3 FT	3.3	2	1.3	1	0.4
LCIS 640 3 FT	3.3	2	1.3	1	0.4
LCIS 650 3 FT	3.3	2	1.3	1	0.4
LCIS 660 3 FT	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



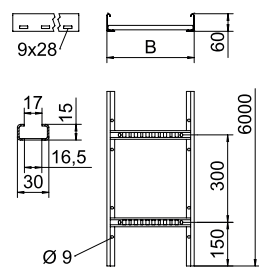
LCIS 60 cable ladder, 6 m C30



Cable ladder with a 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamping pieces, type LKS 40. The slot dimension of the rung is 16.5 mm and the appropriate clamp clip is type 2056.

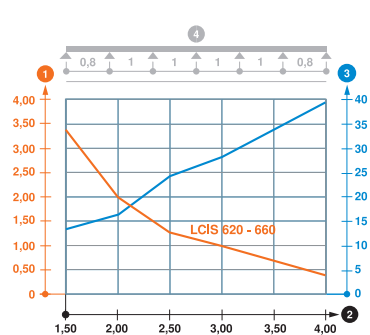
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 FT	200	6	283.170	6209643
LCIS 630 6 FT	300	6	306.170	6209645
LCIS 640 6 FT	400	6	329.170	6209647
LCIS 650 6 FT	500	6	352.340	6209649
LCIS 660 6 FT	600	6	375.340	6209651

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 6 FT	6000	200	1.5	80	300
LCIS 630 6 FT	6000	300	1.5	120	300
LCIS 640 6 FT	6000	400	1.5	160	300
LCIS 650 6 FT	6000	500	1.5	200	300
LCIS 660 6 FT	6000	600	1.5	240	300

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 6 FT	3.3	2	1.3	1	0.4
LCIS 630 6 FT	3.3	2	1.3	1	0.4
LCIS 640 6 FT	3.3	2	1.3	1	0.4
LCIS 650 6 FT	3.3	2	1.3	1	0.4
LCIS 660 6 FT	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Cable ladder LCIS 60, 6 m C30

VA 2B

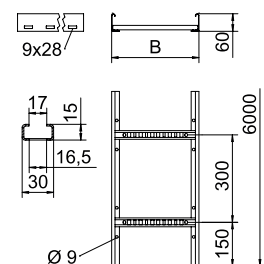


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 A2	200	6	267.000	6207252
LCIS 630 6 A2	300	6	288.840	6207254
LCIS 640 6 A2	400	6	310.500	6207256
LCIS 650 6 A2	500	6	332.340	6207258
LCIS 660 6 A2	600	6	354.000	6207260

Cable ladder with 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 6 A2	6000	200	1.5	80	300
LCIS 630 6 A2	6000	300	1.5	120	300
LCIS 640 6 A2	6000	400	1.5	160	300
LCIS 650 6 A2	6000	500	1.5	200	300
LCIS 660 6 A2	6000	600	1.5	240	300

Dimensions

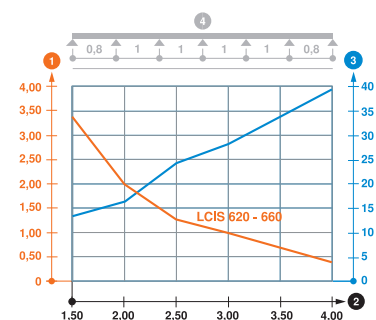


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 6 A2	3.3	2	1.3	1	0.4
LCIS 630 6 A2	3.3	2	1.3	1	0.4
LCIS 640 6 A2	3.3	2	1.3	1	0.4
LCIS 650 6 A2	3.3	2	1.3	1	0.4
LCIS 660 6 A2	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



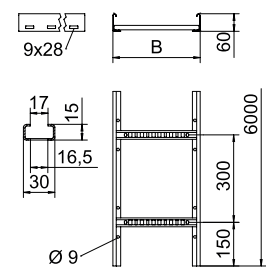
Cable ladder LCIS 60, 6 m C30



Cable ladder with 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

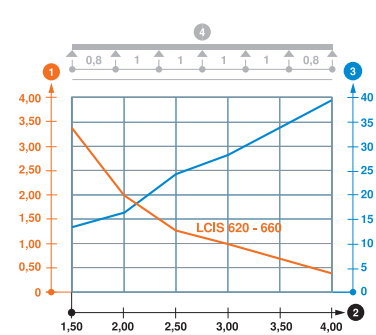
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 A4	200	6	267.000	6207202
LCIS 630 6 A4	300	6	288.833	6207204
LCIS 640 6 A4	400	6	310.500	6207206
LCIS 650 6 A4	500	6	332.340	6207208
LCIS 660 6 A4	600	6	354.000	6207210

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 620 6 A4	6000	200	1.5	80	300
LCIS 630 6 A4	6000	300	1.5	120	300
LCIS 640 6 A4	6000	400	1.5	160	300
LCIS 650 6 A4	6000	500	1.5	200	300
LCIS 660 6 A4	6000	600	1.5	240	300

Load



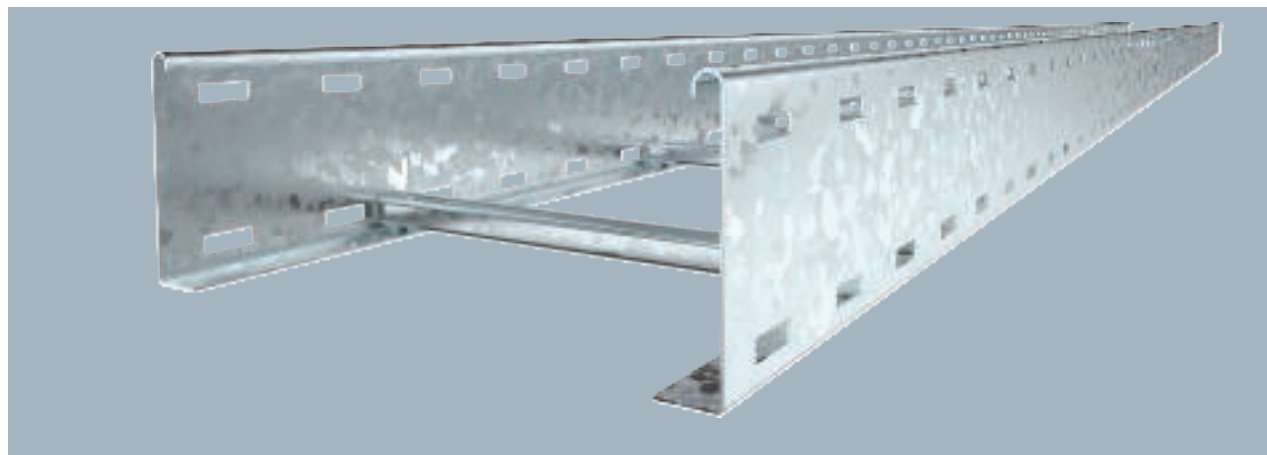
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 6 A4	3.3	2	1.3	1	0.4
LCIS 630 6 A4	3.3	2	1.3	1	0.4
LCIS 640 6 A4	3.3	2	1.3	1	0.4
LCIS 650 6 A4	3.3	2	1.3	1	0.4
LCIS 660 6 A4	3.3	2	1.3	1	0.4

Load diagram LCIS 60

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Cable ladder LCIS 110, 6 m C30

St FT

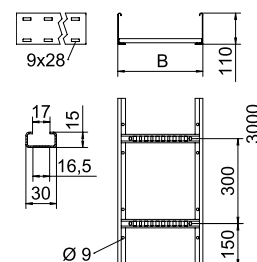


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 1120 6 FT	200	6	399.200	6209820
LCIS 1130 6 FT	300	6	422.534	6209822
LCIS 1140 6 FT	400	6	446.200	6209824
LCIS 1150 6 FT	500	6	469.867	6209826
LCIS 1160 6 FT	600	6	491.670	6209828

Cable ladder with 110 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LCIS 1120 6 FT	6000	200	1.5	180	300
LCIS 1130 6 FT	6000	300	1.5	270	300
LCIS 1140 6 FT	6000	400	1.5	360	300
LCIS 1150 6 FT	6000	500	1.5	450	300
LCIS 1160 6 FT	6000	600	1.5	540	300

Dimensions

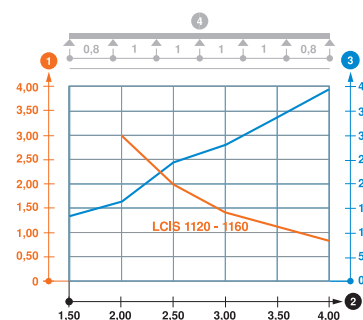


	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 1120 6 FT	3	2	1.4	0.8
LCIS 1130 6 FT	3	2	1.4	0.8
LCIS 1140 6 FT	3	2	1.4	0.8
LCIS 1150 6 FT	3	2	1.4	0.8
LCIS 1160 6 FT	3	2	1.4	0.8

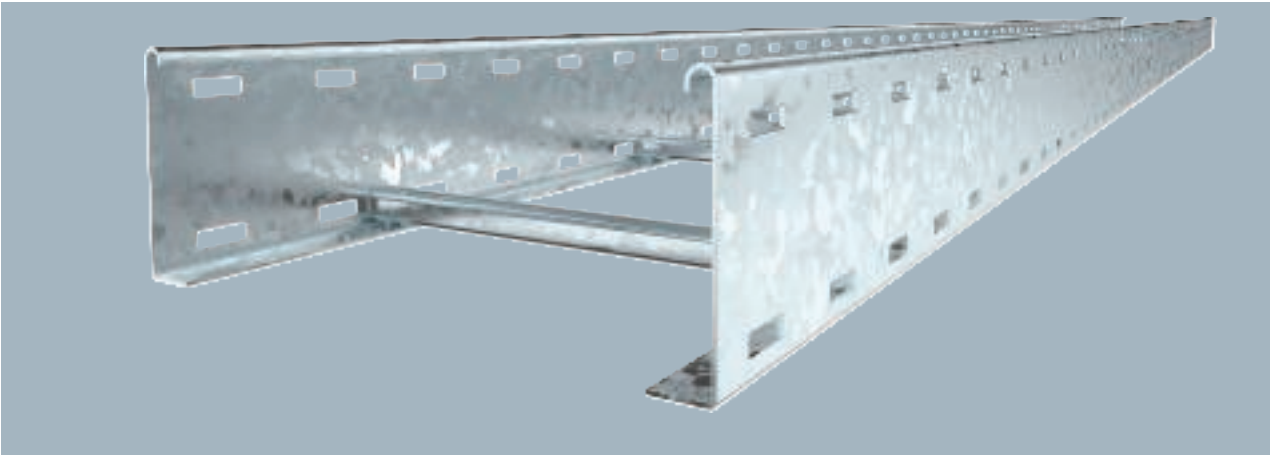
Load diagram, cable ladder, type LCIS 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



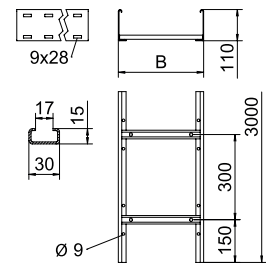
Cable ladder SLCS 110, 6 m C30



Cable ladder with 110 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

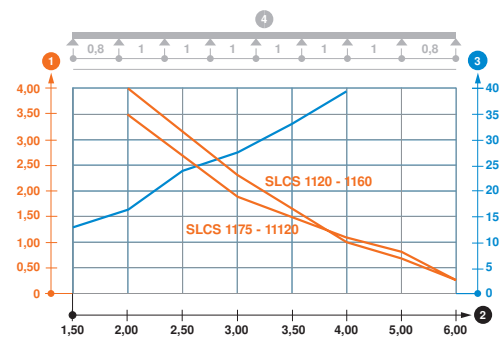
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLCS 1120 3 FT	200	3	521.800	6207302
SLCS 1130 3 FT	300	3	555.800	6207304
SLCS 1140 3 FT	400	3	589.467	6207306
SLCS 1145 3 FT	450	3	612.800	6207308
SLCS 1150 3 FT	500	3	623.133	6207310
SLCS 1160 3 FT	600	3	656.800	6207312
SLCS 1175 3 FT	750	3	707.467	6207314
SLCS 1180 3 FT	800	3	724.133	6207316
SLCS 1190 3 FT	900	3	758.133	6207318
SLCS 11100 3 FT	1000	3	791.800	6207320
SLCS 11120 3 FT	1200	3	859.133	6207322

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	Rung spacing mm
SLCS 1120 3 FT	3000	200	2	180	300
SLCS 1130 3 FT	3000	300	2	270	300
SLCS 1140 3 FT	3000	400	2	360	300
SLCS 1145 3 FT	3000	450	2	405	300
SLCS 1150 3 FT	3000	500	2	450	300
SLCS 1160 3 FT	3000	600	2	540	300
SLCS 1175 3 FT	3000	750	2	675	300
SLCS 1180 3 FT	3000	800	2	720	300
SLCS 1190 3 FT	3000	900	2	810	300
SLCS 11100 3 FT	3000	1000	2	900	300
SLCS 11120 3 FT	3000	1100	2	1180	300

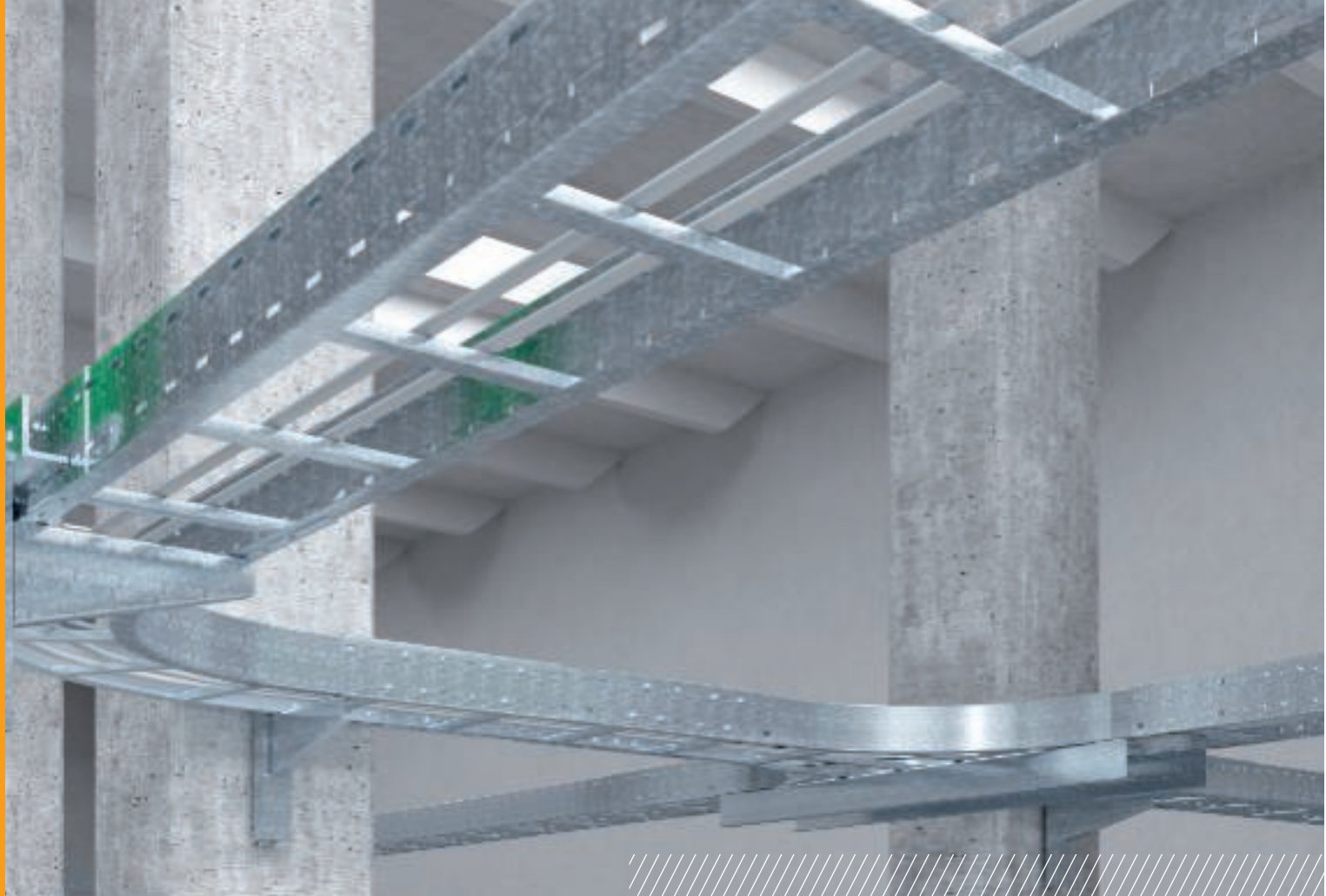
Load



	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m
SLCS 1120 3 FT	4	2.3	1	0.7	0.25
SLCS 1130 3 FT	4	2.3	1	0.7	0.25
SLCS 1140 3 FT	4	2.3	1	0.7	0.25
SLCS 1145 3 FT	4	2.3	1	0.7	0.25
SLCS 1150 3 FT	4	2.3	1	0.7	0.25
SLCS 1160 3 FT	4	2.3	1	0.7	0.25
SLCS 1175 3 FT	3.5	1.9	1	0.8	0.25
SLCS 1180 3 FT	3.5	1.9	1	0.8	0.25
SLCS 1190 3 FT	3.5	1.9	1	0.8	0.25
SLCS 11100 3 FT	3.5	1.9	1	0.8	0.25
SLCS 11120 3 FT	3.5	1.9	1	0.8	0.25

Load diagram, cable ladder, type SLCS 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



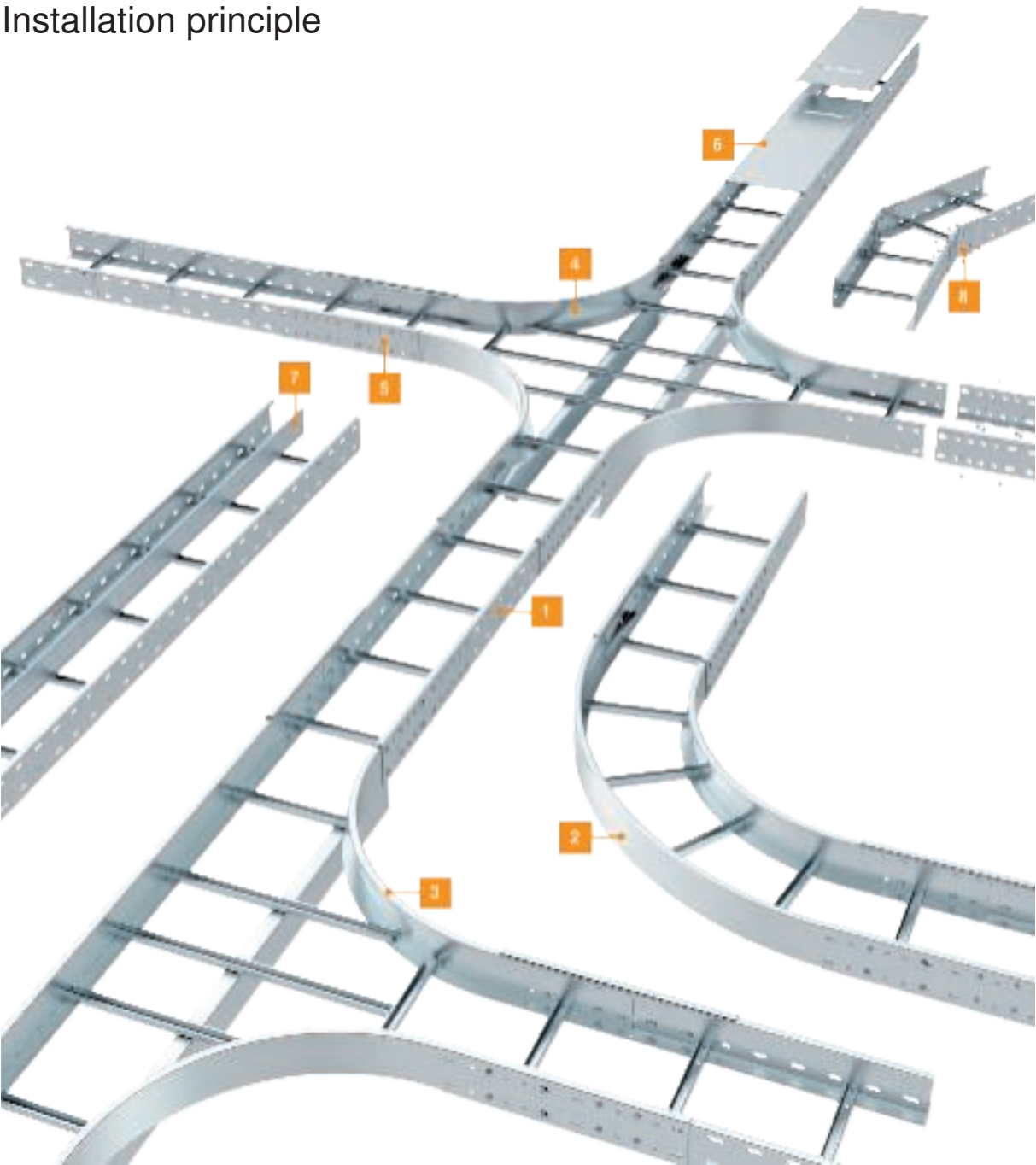
Wide span cable ladder systems

When you need to bridge wide spans and support high cable loads, the OBO wide span systems are the perfect solution. The product range comprises cable trays and cable ladders with widths of between 200 and 600 mm and side heights of 110 to 200 mm. Comprehensive system accessories, such as fittings and all the fastening materials for concrete and steel mounting, round off this product range perfectly.



Wide span cable ladder systems

Installation principle

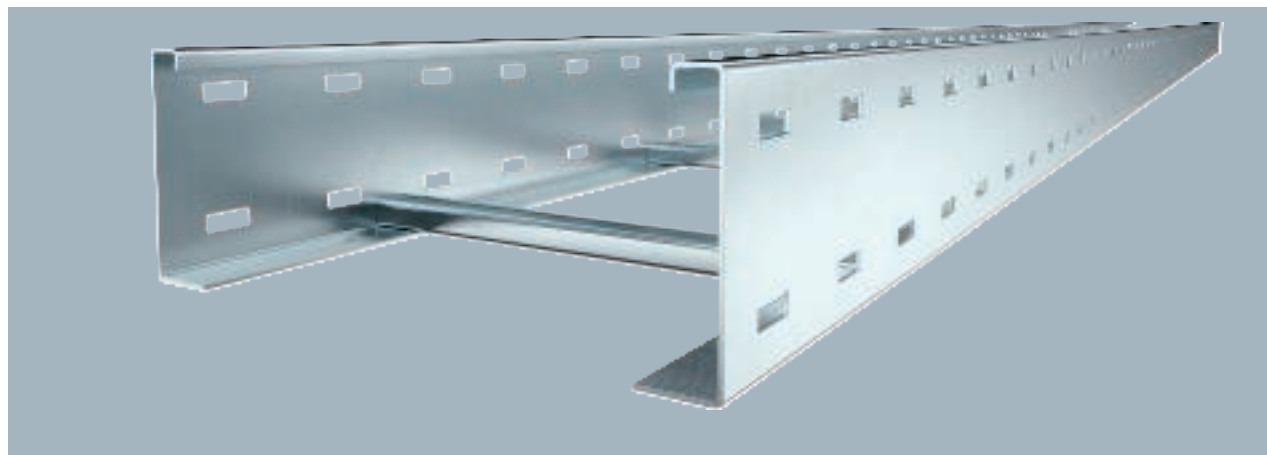


1	Wide span cable ladders	WKLG
2	90° bend	WLB 90
3	T branch piece	WLT
4	Cross-over	WLK
5	Straight connector	LVG
6	Cover with turn buckle	WDRL
7	Barrier strip	



Wide span cable ladder WKLG 110

St FS



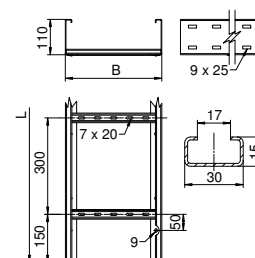
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1120 FS	200	2	6	560.400	6311008
WKLG 1130 FS	300	2	6	583.000	6311012
WKLG 1140 FS	400	2	6	605.800	6311016
WKLG 1150 FS	500	2	6	628.833	6311020
WKLG 1160 FS	600	2	6	652.000	6311024

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Wide span cable ladder with perforated side rails of side height of 110 mm. Fastening of cables with clamp clip, type 2056.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKLG 1120 FS	6000	200	186
WKLG 1130 FS	6000	300	281
WKLG 1140 FS	6000	400	376
WKLG 1150 FS	6000	500	471
WKLG 1160 FS	6000	600	566

Dimensions



	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m
WKLG 1120 FS	1.6	1.1	0.8	0.4
WKLG 1130 FS	1.6	1.1	0.8	0.4
WKLG 1140 FS	2.1	1.5	1	0.7
WKLG 1150 FS	2.1	1.5	1	0.7
WKLG 1160 FS	2.1	1.5	1	0.7

Load diagram, wide span cable ladder, type WKLG 110

1 Permitted cable tray/ladder load in kN/m without man load

2 Support width in m

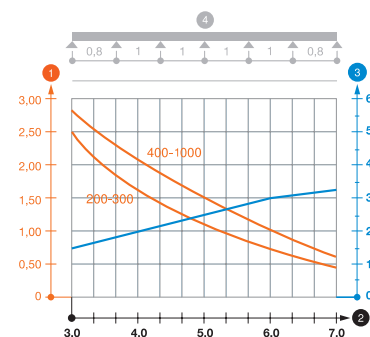
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

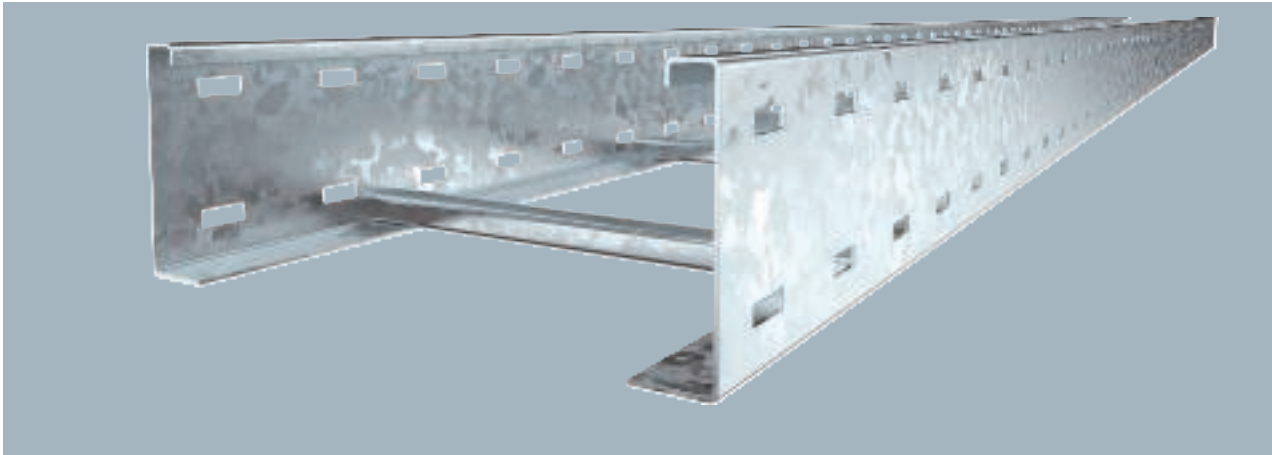
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



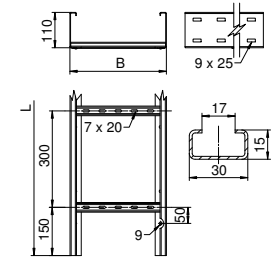
Wide span cable ladder WKLG 110



Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.
Wide span cable ladder with perforated side rails of side height of 110 mm. Fastening of cables with clamp clip, type 2056.

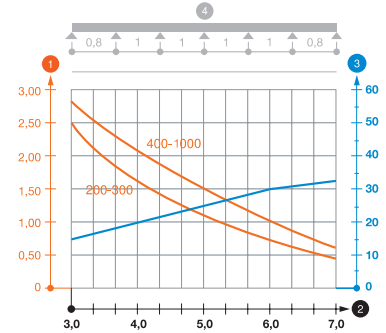
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1120 FT	200	2	6	589.000	6311059
WKLG 1130 FT	300	2	6	612.800	6311063
WKLG 1140 FT	400	2	6	637.166	6311067
WKLG 1150 FT	500	2	6	662.066	6311071
WKLG 1160 FT	600	2	6	686.600	6311075

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm²
WKLG 1120 FT	6000	200	186
WKLG 1130 FT	6000	300	281
WKLG 1140 FT	6000	400	376
WKLG 1150 FT	6000	500	471
WKLG 1160 FT	6000	600	566

Load



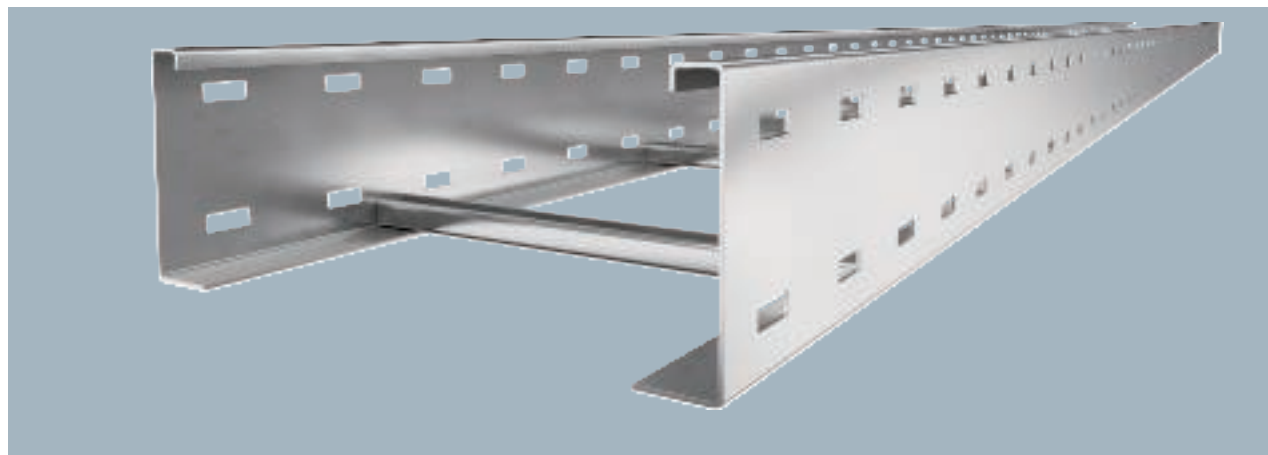
	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m
WKLG 1120 FT	1.6	1.1	0.8	0.4
WKLG 1130 FT	1.6	1.1	0.8	0.4
WKLG 1140 FT	2.1	1.5	1	0.7
WKLG 1150 FT	2.1	1.5	1	0.7
WKLG 1160 FT	2.1	1.5	1	0.7

Load diagram, wide span cable ladder, type WKLG 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Wide span cable ladder WKLG 110



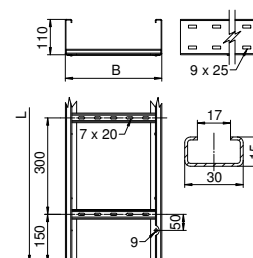
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1120 A2	200	2	6	560.400	6311202
WKLG 1130 A2	300	2	6	582.800	6311206
WKLG 1140 A2	400	2	6	605.800	6311210
WKLG 1150 A2	500	2	6	628.866	6311214
WKLG 1160 A2	600	2	6	652.000	6311218

Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.

Wide span cable ladder with perforated side rails of side height of 110 mm. Fastening of cables with clamp clip, type 2056.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKLG 1120 A2	6000	200	186
WKLG 1130 A2	6000	300	281
WKLG 1140 A2	6000	400	376
WKLG 1150 A2	6000	500	471
WKLG 1160 A2	6000	600	566

Dimensions



	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m
WKLG 1120 A2	1.6	1.1	0.8	0.4
WKLG 1130 A2	1.6	1.1	0.8	0.4
WKLG 1140 A2	2.1	1.5	1	0.7
WKLG 1150 A2	2.1	1.5	1	0.7
WKLG 1160 A2	2.1	1.5	1	0.7

Load diagram, wide span cable ladder, type WKLG 110.

1 Permitted cable tray/ladder load in kN/m without man load

2 Support width in m

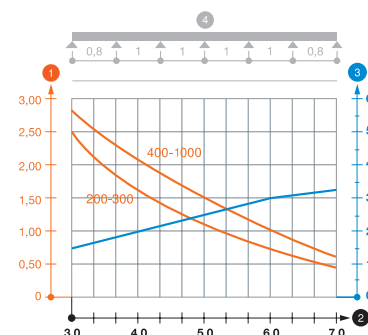
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

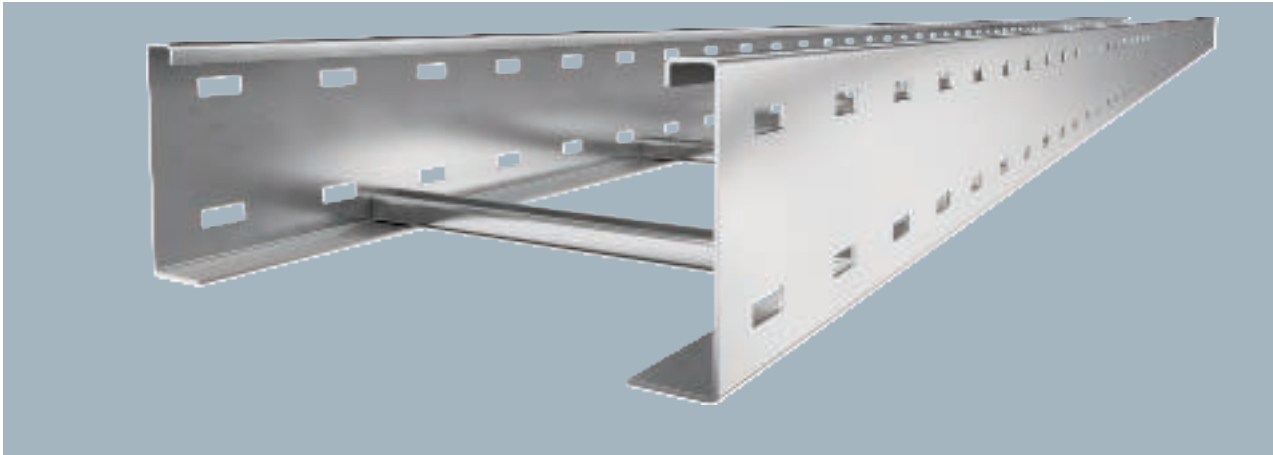
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



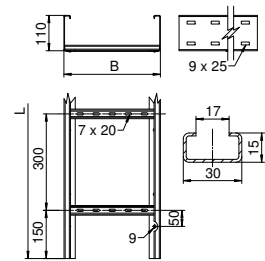
Wide span cable ladder WKLG 110



Straight connectors of type WRVL 110 should be ordered separately and in the appropriate quantity.
Wide span cable ladder with perforated side rails of side height of 110 mm. Fastening of cables with clamp clip, type 2056.

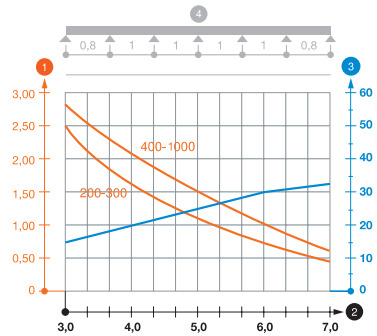
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1120 A4	200	2	6	560.400	6311225
WKLG 1130 A4	300	2	6	582.800	6311227
WKLG 1140 A4	400	2	6	605.800	6311229
WKLG 1150 A4	500	2	6	628.866	6311231
WKLG 1160 A4	600	2	6	652.000	6311233

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKLG 1120 A4	6000	200	186
WKLG 1130 A4	6000	300	281
WKLG 1140 A4	6000	400	376
WKLG 1150 A4	6000	500	471
WKLG 1160 A4	6000	600	566

Load



	4.0 m kN/m	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m
WKLG 1120 A4	1.6	1.1	0.8	0.4
WKLG 1130 A4	1.6	1.1	0.8	0.4
WKLG 1140 A4	1.6	1.1	0.8	0.4
WKLG 1150 A4	1.6	1.1	0.8	0.4
WKLG 1160 A4	1.6	1.1	0.8	0.4

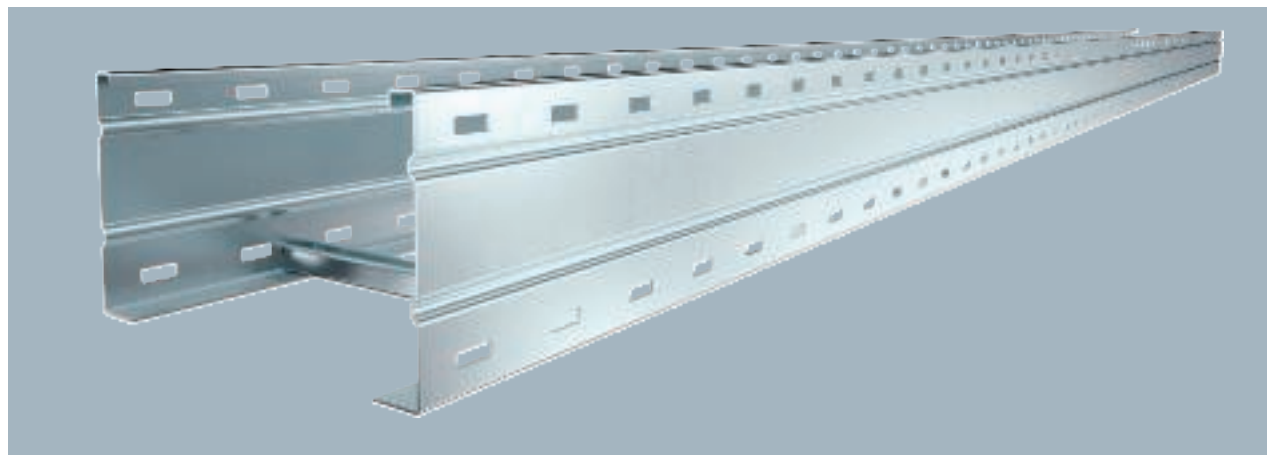
Load diagram, wide span cable ladder, type WKLG 110

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Wide span cable ladder WKLG 160

St FS



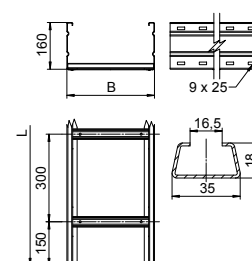
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1620 FS	200	2	6	737.334	6227023
WKLG 1630 FS	300	2	6	767.334	6227031
WKLG 1640 FS	400	2	6	797.834	6227058
WKLG 1650 FS	500	2	6	828.500	6227066
WKLG 1660 FS	600	2	6	859.334	6227074

Wide span cable ladder with perforated side rail of side height of 160 mm. Fastening of cables with clamp clip, type 2056.

Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKLG 1620 FS	6000	200	282
WKLG 1630 FS	6000	300	427
WKLG 1640 FS	6000	400	572
WKLG 1650 FS	6000	500	717
WKLG 1660 FS	6000	600	857

Dimensions

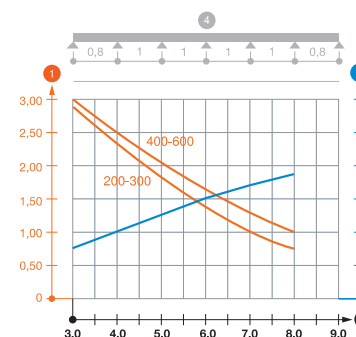


	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKLG 1620 FS	1.8	1.4	1	0.7
WKLG 1630 FS	1.8	1.4	1	0.7
WKLG 1640 FS	2	1.6	1.3	1
WKLG 1650 FS	2	1.6	1.3	1
WKLG 1660 FS	2	1.6	1.3	1

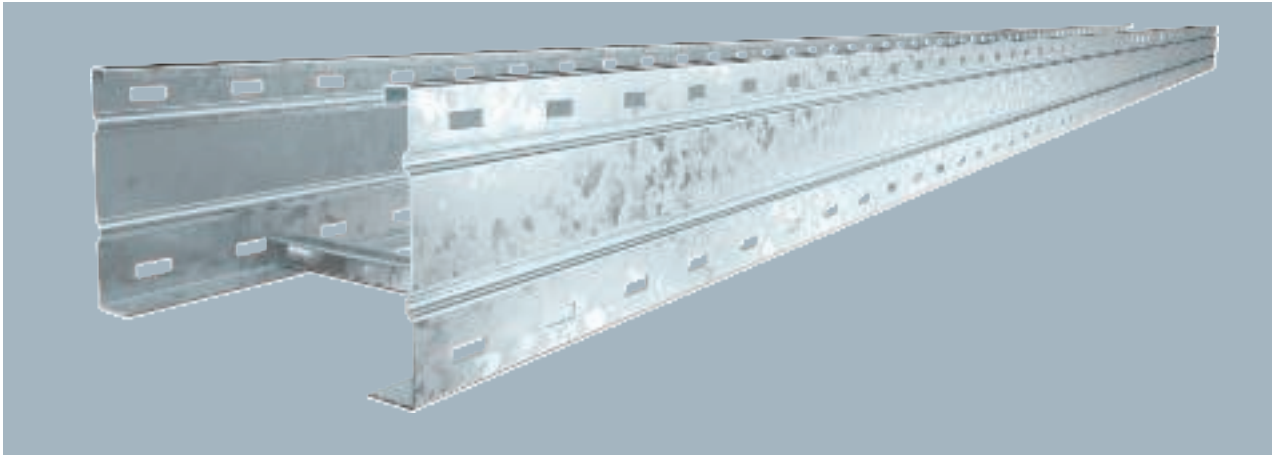
Load diagram, wide span cable ladder, type WKLG 160

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



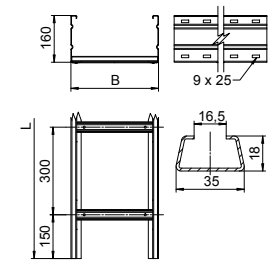
Wide span cable ladder WKLG 160



Wide span cable ladder with perforated side rail of side height of 160 mm. Fastening of cables with clamp clip, type 2056. Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

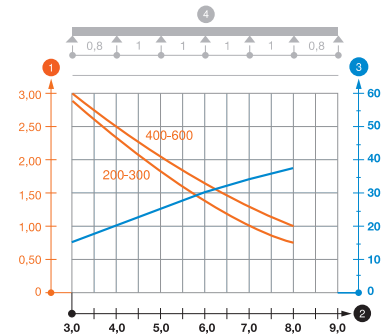
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1620 FT	200	2	6	770.667	6227120
WKLG 1630 FT	300	2	6	802.500	6227139
WKLG 1640 FT	400	2	6	835.000	6227147
WKLG 1650 FT	500	2	6	867.334	6227155
WKLG 1660 FT	600	2	6	900.000	6227163

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm²
WKLG 1620 FT	6000	200	282
WKLG 1630 FT	6000	300	427
WKLG 1640 FT	6000	400	572
WKLG 1650 FT	6000	500	717
WKLG 1660 FT	6000	600	857

Load



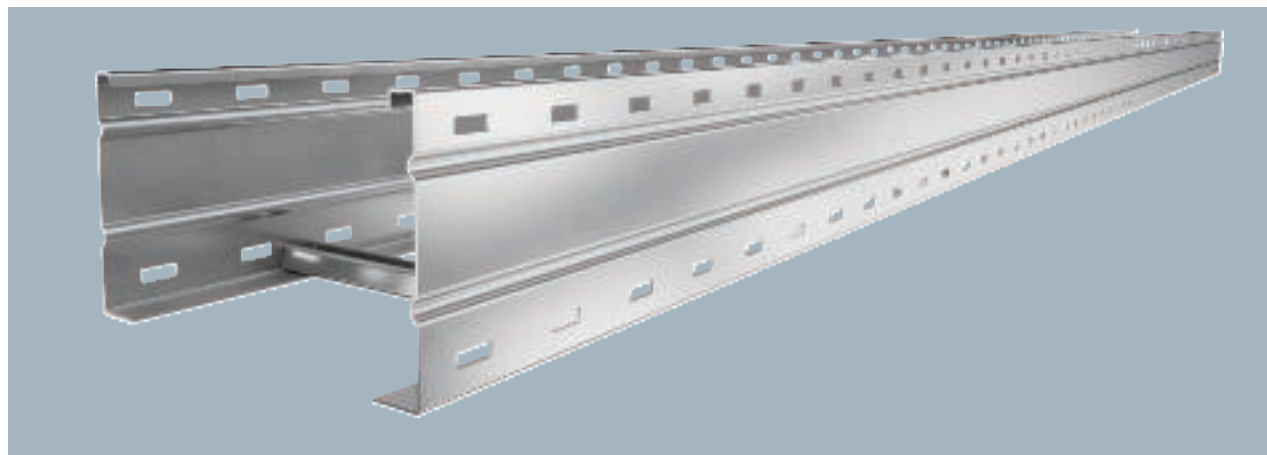
	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKLG 1620 FT	1.8	1.4	1	0.7
WKLG 1630 FT	1.8	1.4	1	0.7
WKLG 1640 FT	2	1.6	1.3	1
WKLG 1650 FT	2	1.6	1.3	1
WKLG 1660 FT	2	1.6	1.3	1

Load diagram, wide span cable ladder, type WKLG 160

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Wide span cable ladder WKLG 160

VA 2B



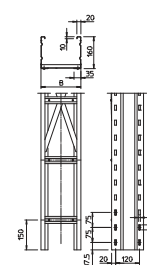
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKLG 1620 A4	200	2	6	737.334	6227170
WKLG 1630 A4	300	2	6	767.334	6227172
WKLG 1640 A4	400	2	6	797.834	6227174
WKLG 1650 A4	500	2	6	828.500	6227176
WKLG 1660 A4	600	2	6	859.334	6227178

Wide span cable ladder with perforated side rail of side height of 160 mm. Fastening of cables with clamp clip, type 2056.

Straight connectors of type WRV 160 should be ordered separately and in the appropriate quantity.

Type	Dim. L mm	Dim. B mm	Usable cross- section cm ²
WKLG 1620 A4	6000	200	282
WKLG 1630 A4	6000	300	427
WKLG 1640 A4	6000	400	572
WKLG 1650 A4	6000	500	717
WKLG 1660 A4	6000	600	857

Dimensions



	5.0 m kN/m	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m
WKLG 1620 A4	1.8	1.4	1	0.7
WKLG 1630 A4	1.8	1.4	1	0.7
WKLG 1640 A4	2	1.6	1.3	1
WKLG 1650 A4	2	1.6	1.3	1
WKLG 1660 A4	2	1.6	1.3	1

Load diagram, wide span cable ladder, type WKLG 160

1 Permitted cable tray/ladder load in kN/m without man load

2 Support width in m

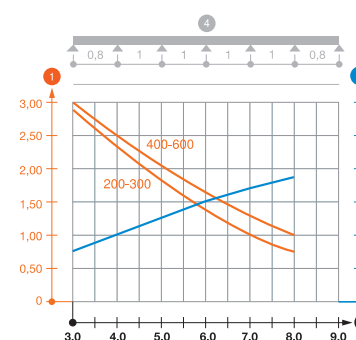
3 Rail bend in mm at permitted kN/m

4 Load scheme during testing

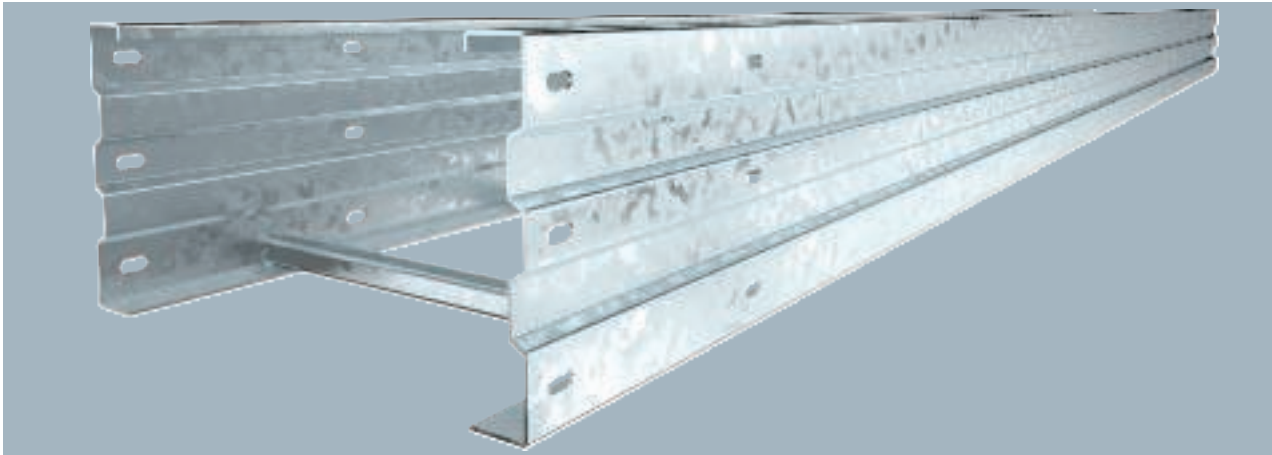
— Load curve with cable tray/ladder width in mm

— Strut bend curve according to support width

Load



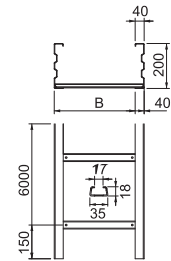
WKL 200 wide span cable ladder



Straight connectors of type WRVL 200 should be ordered separately and in the appropriate quantity.
WKL 200 = Wide span cable ladder with 200 mm side height.

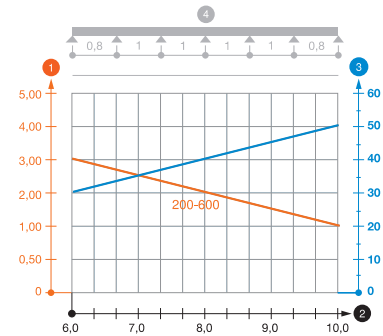
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
WKL 2020 FT	200	2.5	6	1,320.000	6232102
WKL 2030 FT	300	2.5	6	1,358.334	6232104
WKL 2040 FT	400	2.5	6	1,398.340	6232106
WKL 2050 FT	500	2.5	6	1,440.000	6232108
WKL 2060 FT	600	2.5	6	1,480.000	6232110

Dimensions



Type	Dim. L mm	Dim. B mm	Usable cross- section cm²
WKL 2020 FT	6000	200	344
WKL 2030 FT	6000	300	524
WKL 2040 FT	6000	400	704
WKL 2050 FT	6000	500	884
WKL 2060 FT	6000	600	1064

Load



	6.0 m kN/m	7.0 m kN/m	8.0 m kN/m	9.0 m kN/m	10.0 m kN/m
WKL 2020 FT	3	2.5	2	1.4	1
WKL 2030 FT	3	2.5	2	1.4	1
WKL 2040 FT	3	2.5	2	1.4	1
WKL 2050 FT	3	2.5	2	1.4	1
WKL 2060 FT	3	2.5	2	1.4	1

Load diagram, wide span cable ladder, type WKL 200

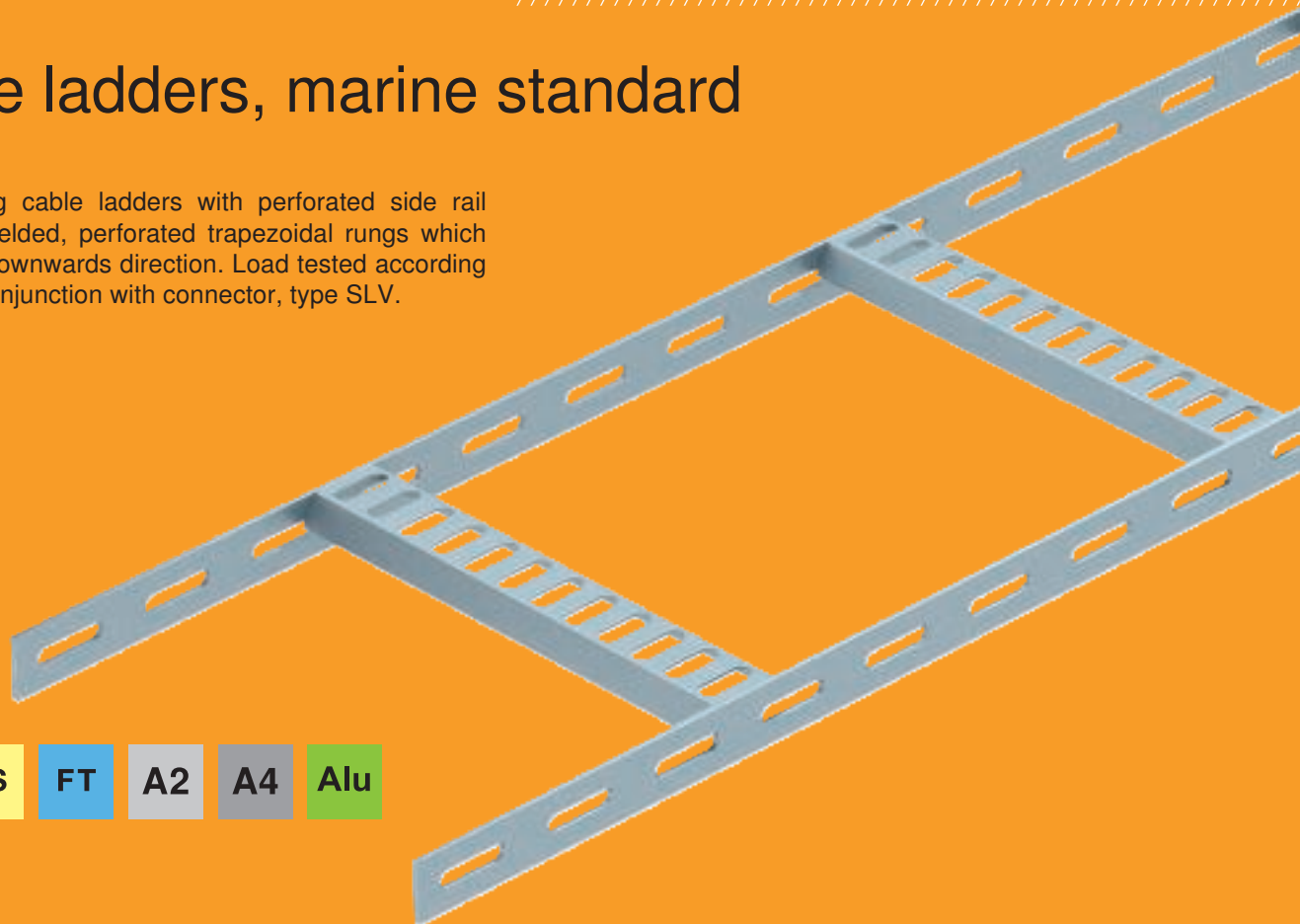
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width





Cable ladders, marine standard

Shipbuilding cable ladders with perforated side rail and with welded, perforated trapezoidal rungs which open in a downwards direction. Load tested according to IEC in conjunction with connector, type SLV.



G

FS

FT

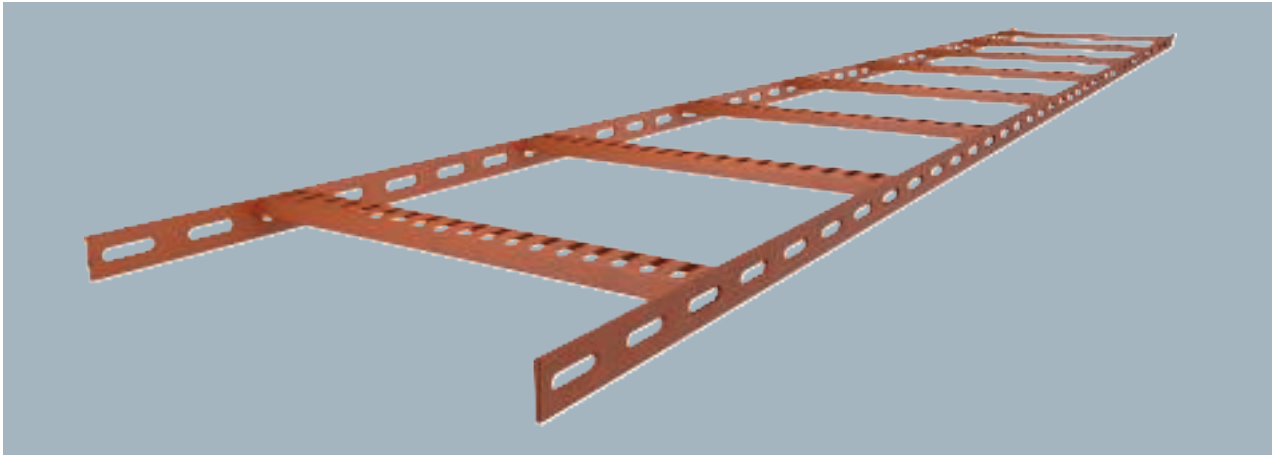
A2

A4

Alu



Cable ladder with trapezoidal rung, 25

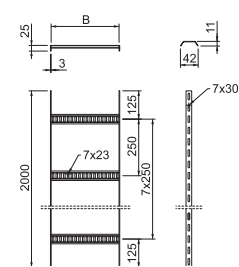


Shipbuilding cable ladder with perforated side rail of side height 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction. Load tested according to IEC in conjunction with connector, type SLV. Welding primer type SIGMA-WELD 199.

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

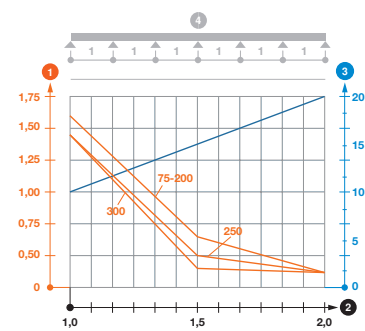
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 SG	75	2	109.000	7097026
SL 42 100 SG	100	2	112.500	7097034
SL 42 150 SG	150	2	119.000	7097042
SL 42 200 SG	200	2	125.500	7097050
SL 42 250 SG	250	2	132.000	7097069
SL 42 300 SG	300	2	139.000	7097077

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 42 075 SG	2000	81	25	3
SL 42 100 SG	2000	106	25	3
SL 42 150 SG	2000	156	25	3
SL 42 200 SG	2000	206	25	3
SL 42 250 SG	2000	256	25	3
SL 42 300 SG	2000	306	25	3

Load



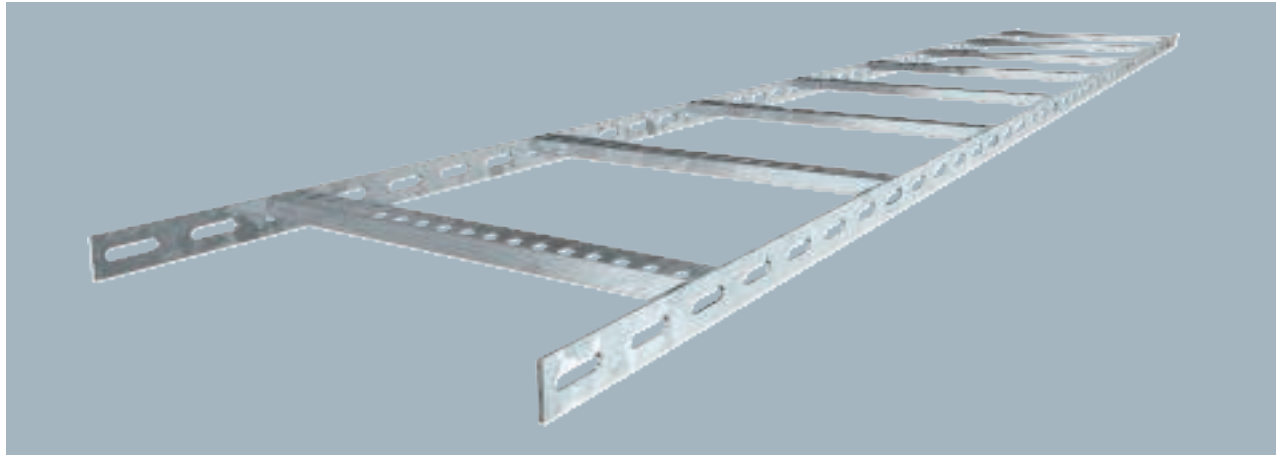
	1.5 m kN/m	2.0 m kN/m
SL 42 075 SG	0.5	0.36
SL 42 100 SG	0.5	0.36
SL 42 150 SG	0.5	0.36
SL 42 200 SG	0.5	0.36
SL 42 250 SG	0.5	0.36
SL 42 300 SG	0.5	0.36

Load diagram, SL42 cable ladder

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing

Cable ladder with trapezoidal rung, 25

St FT



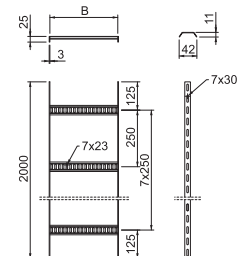
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 FT	75	2	114.000	7097115
SL 42 100 FT	100	2	118.000	7097123
SL 42 150 FT	150	2	125.000	7097131
SL 42 200 FT	200	2	132.500	7097158
SL 42 250 FT	250	2	140.000	7097166
SL 42 300 FT	300	2	147.500	7097174

Shipbuilding cable ladder with perforated side rail of side height 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction. Load tested according to IEC in conjunction with connector, type SLV.

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 42 075 FT	2000	81	25	3
SL 42 100 FT	2000	106	25	3
SL 42 150 FT	2000	156	25	3
SL 42 200 FT	2000	206	25	3
SL 42 250 FT	2000	256	25	3
SL 42 300 FT	2000	306	25	3

Dimensions

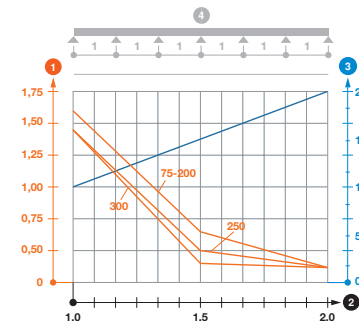


	1.5 m kN/m	2.0 m kN/m
SL 42 075 FT	0.5	0.36
SL 42 100 FT	0.5	0.36
SL 42 150 FT	0.5	0.36
SL 42 200 FT	0.5	0.36
SL 42 250 FT	0.5	0.36
SL 42 300 FT	0.5	0.36

Load diagram, SL42 cable ladder

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- ④ Load scheme during testing

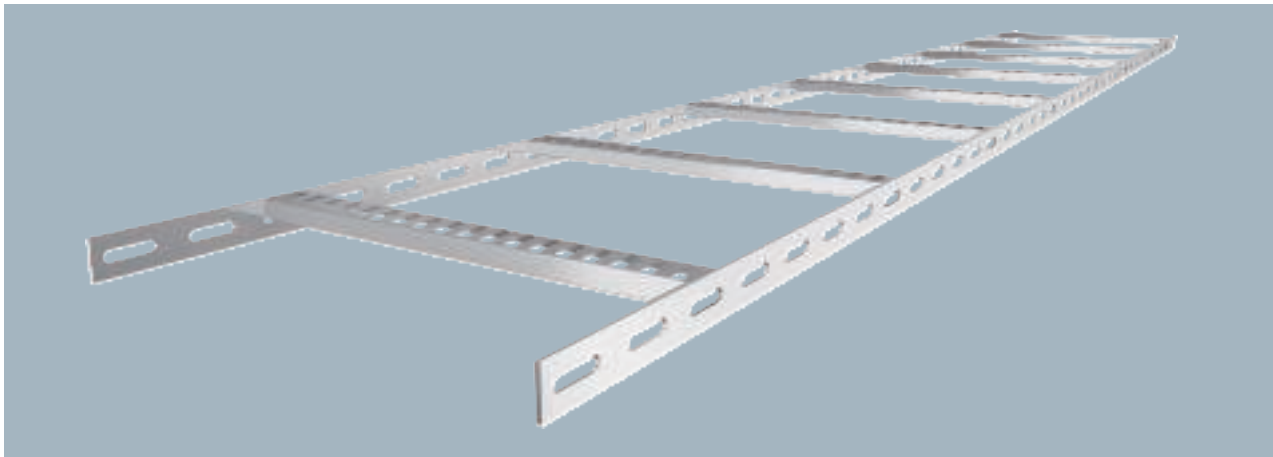
Load



Alu GB



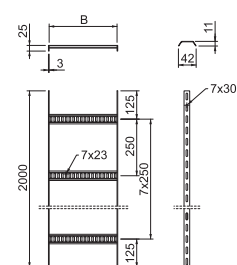
Cable ladder with trapezoidal rung, 25



Shipbuilding cable ladder with perforated side rail of side height 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.
The shipbuilding cable ladder is also available in unpainted steel on request.

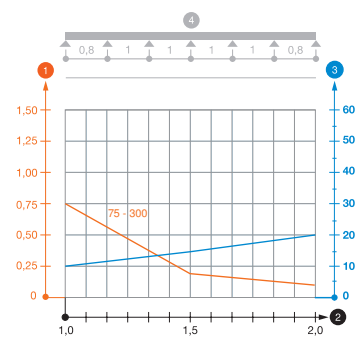
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 ALU	75	2	41.000	7099722
SL 42 100 ALU	100	2	43.000	7099724
SL 42 150 ALU	150	2	47.500	7099726
SL 42 200 ALU	200	2	52.500	7099728
SL 42 250 ALU	250	2	57.000	7099730
SL 42 300 ALU	300	2	61.500	7099732

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 42 075 ALU	2000	81	25	3
SL 42 100 ALU	2000	106	25	3
SL 42 150 ALU	2000	156	25	3
SL 42 200 ALU	2000	206	25	3
SL 42 250 ALU	2000	256	25	3
SL 42 300 ALU	2000	306	25	3

Load



	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
SL 42 075 ALU	0.75	0.2	0.1
SL 42 100 ALU	0.75	0.2	0.1
SL 42 150 ALU	0.75	0.2	0.1
SL 42 200 ALU	0.75	0.2	0.1
SL 42 250 ALU	0.75	0.2	0.1
SL 42 300 ALU	0.75	0.2	0.1

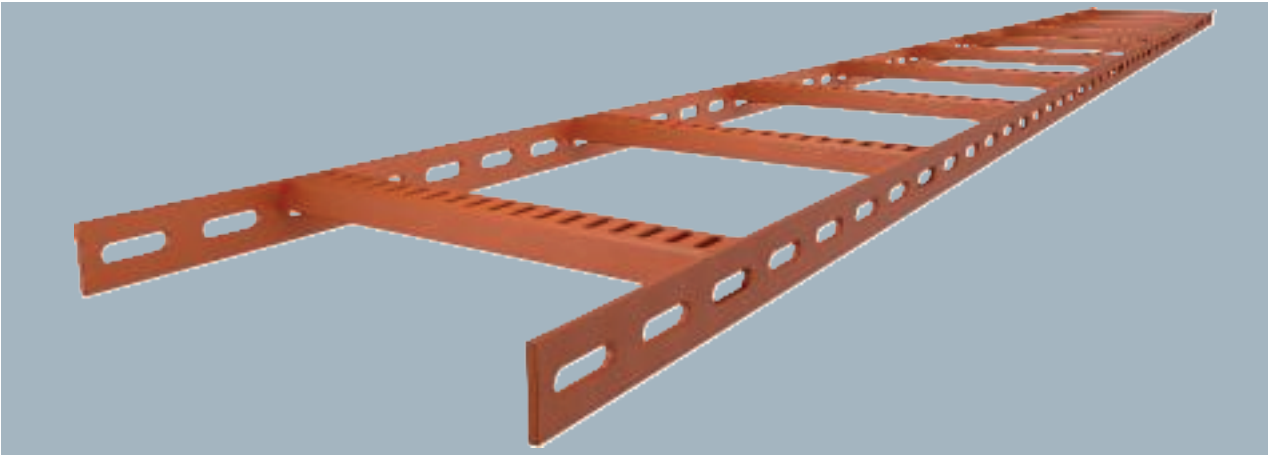
Load diagram, SL42 cable ladder

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing



Cable ladder with trapezoidal rung, 40

St SG

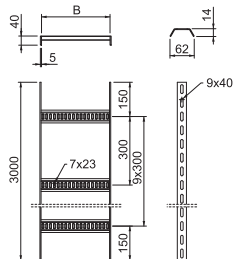


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 SG	100	3	299.000	7097212
SL 62 200 SG	200	3	332.340	7097239
SL 62 300 SG	300	3	365.670	7097247
SL 62 400 SG	400	3	398.670	7097255
SL 62 500 SG	500	3	432.000	7097263
SL 62 600 SG	600	3	465.340	7097271

Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction. Load tested according to IEC in conjunction with connector, type SLV. Welding primer type SIGMA-WELD 199.

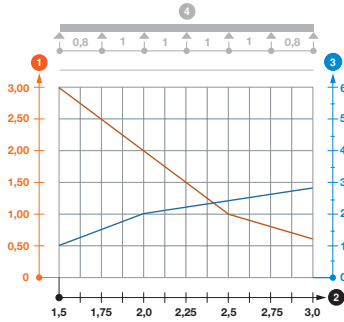
Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 62 100 SG	3000	110	40	5
SL 62 200 SG	3000	210	40	5
SL 62 300 SG	3000	310	40	5
SL 62 400 SG	3000	410	40	5
SL 62 500 SG	3000	510	40	5
SL 62 600 SG	3000	610	40	5

Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 SG	3	2	1	0.6
SL 62 200 SG	3	2	1	0.6
SL 62 300 SG	3	2	1	0.6
SL 62 400 SG	3	2	1	0.6
SL 62 500 SG	3	2	1	0.6
SL 62 600 SG	3	2	1	0.6

Load

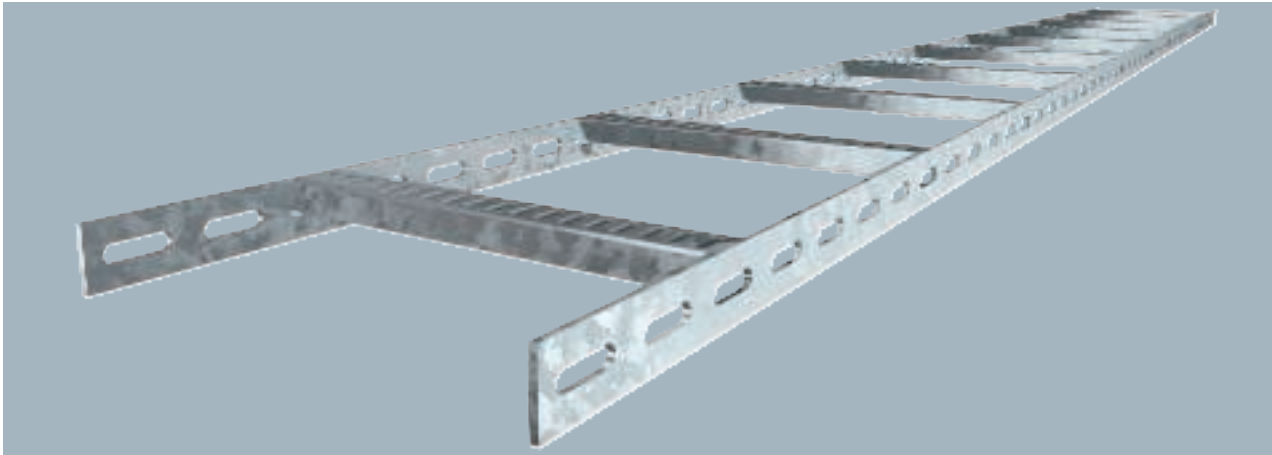


Load diagram, cable ladder SL62

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing



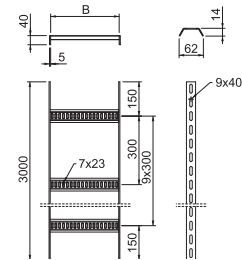
Cable ladder with trapezoidal rung, 40



Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction. Load tested according to IEC in conjunction with connector, type SLV.

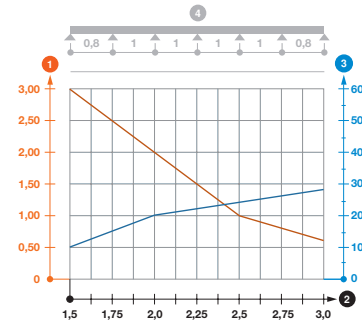
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 FT	100	3	307.300	7097409
SL 62 150 FT	150	3	325.000	7097417
SL 62 200 FT	200	3	342.700	7097425
SL 62 300 FT	300	3	378.000	7097433
SL 62 400 FT	400	3	413.000	7097441
SL 62 500 FT	500	3	448.300	7097468
SL 62 600 FT	600	3	483.700	7097476

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 62 100 FT	3000	110	40	5
SL 62 150 FT	3000	160	40	5
SL 62 200 FT	3000	210	40	5
SL 62 300 FT	3000	310	40	5
SL 62 400 FT	3000	410	40	5
SL 62 500 FT	3000	510	40	5
SL 62 600 FT	3000	610	40	5

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 FT	3	2	1	0.6
SL 62 150 FT	3	2	1	0.6
SL 62 200 FT	3	2	1	0.6
SL 62 300 FT	3	2	1	0.6
SL 62 400 FT	3	2	1	0.6
SL 62 500 FT	3	2	1	0.6
SL 62 600 FT	3	2	1	0.6

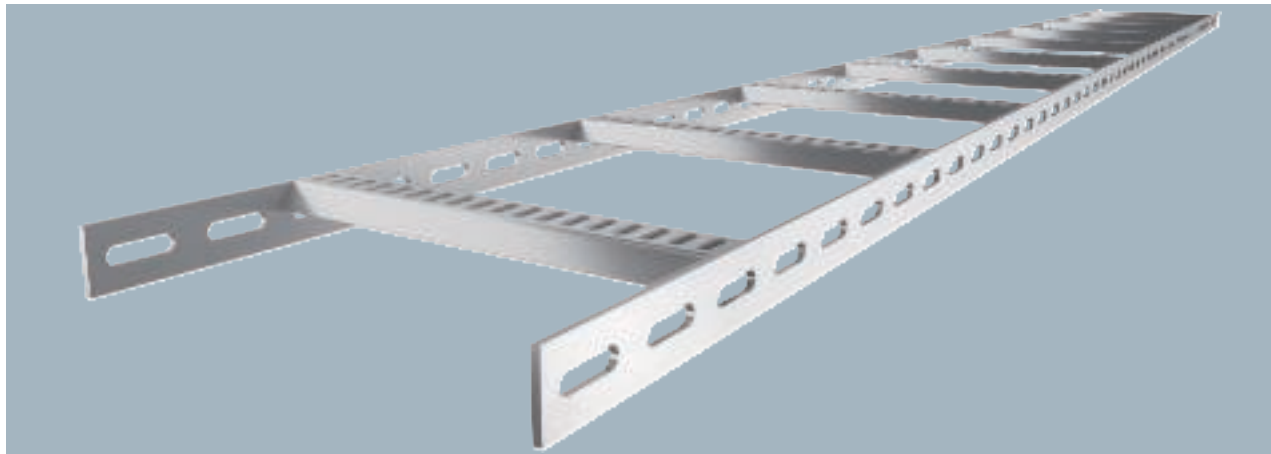
Load diagram, cable ladder SL62

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing



Cable ladder with trapezoidal rung, 40

Alu GB

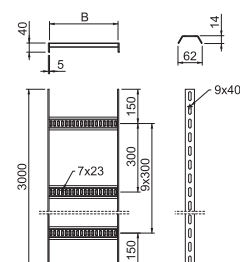


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 ALU	100	3	99.800	7099752
SL 62 200 ALU	200	3	111.067	7099754
SL 62 300 ALU	300	3	122.300	7099756
SL 62 400 ALU	400	3	133.567	7099758
SL 62 500 ALU	500	3	144.833	7099760
SL 62 600 ALU	600	3	156.100	7099762

Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 62 100 ALU	3000	110	40	5
SL 62 200 ALU	3000	210	40	5
SL 62 300 ALU	3000	310	40	5
SL 62 400 ALU	3000	410	40	5
SL 62 500 ALU	3000	510	40	5
SL 62 600 ALU	3000	610	40	5

Dimensions

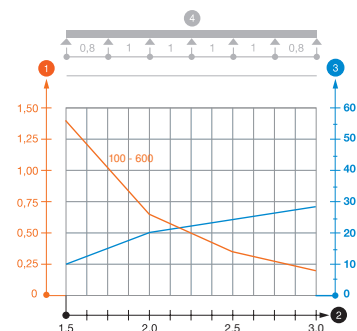


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 ALU	1.4	0.65	0.35	0.2
SL 62 200 ALU	1.4	0.65	0.35	0.2
SL 62 300 ALU	1.4	0.65	0.35	0.2
SL 62 400 ALU	1.4	0.65	0.35	0.2
SL 62 500 ALU	1.4	0.65	0.35	0.2
SL 62 600 ALU	1.4	0.65	0.35	0.2

Load diagram, SL 62 cable ladder

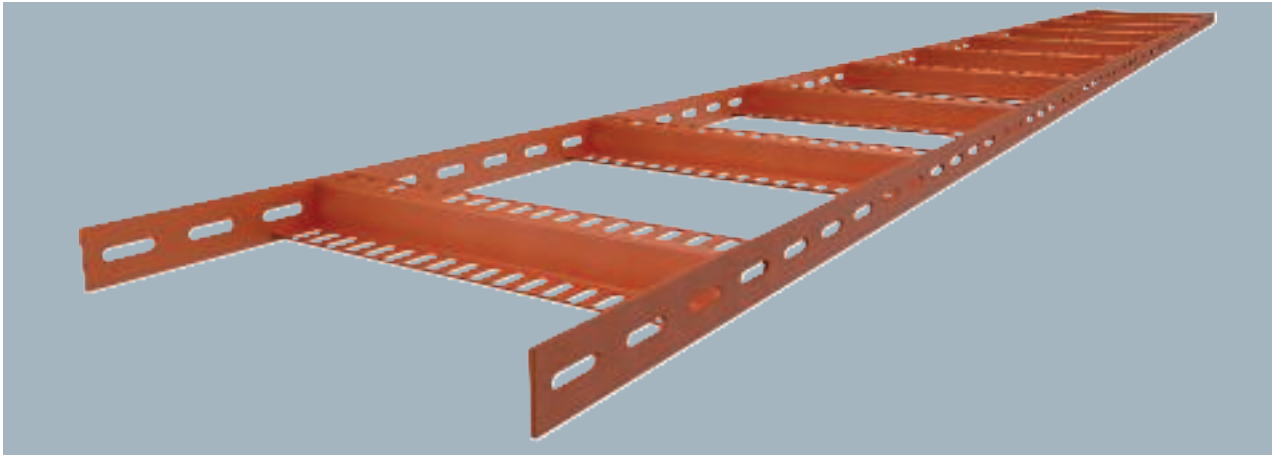
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





Cable ladder with Z rung, 35

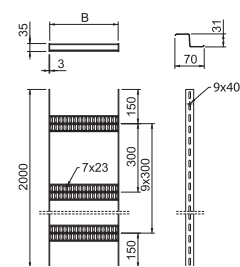


Light-duty shipbuilding cable ladder with perforated side rail of side height 35 mm with welded, perforated Z rungs. Load tested according to IEC in conjunction with connector, type SLV. Welding primer type SIGMA-WELD 199, also available in white.

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

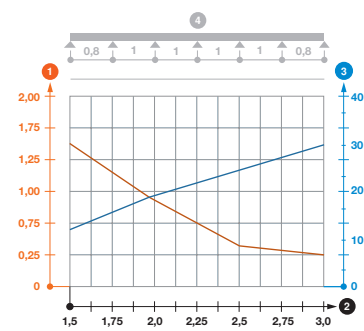
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 SG	100	3	167.000	7098032
SLZ L 200 SG	200	3	187.667	7098036
SLZ L 300 SG	300	3	208.667	7098038
SLZ L 400 SG	400	3	229.334	7098040
SLZ L 500 SG	500	3	250.000	7098042
SLZ L 600 SG	600	3	270.667	7098044

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ L 100 SG	3000	106	35	3
SLZ L 200 SG	3000	206	35	3
SLZ L 300 SG	3000	306	35	3
SLZ L 400 SG	3000	406	35	3
SLZ L 500 SG	3000	506	35	3
SLZ L 600 SG	3000	606	35	3

Load



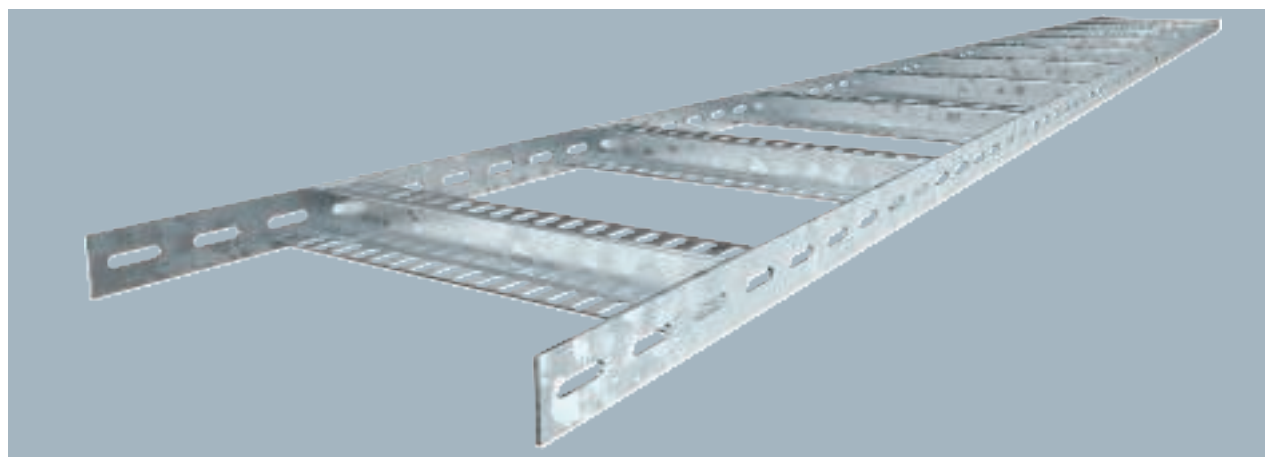
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 SG	1.5	0.85	0.35	0.25
SLZ L 200 SG	1.5	0.85	0.35	0.25
SLZ L 300 SG	1.5	0.85	0.35	0.25
SLZ L 400 SG	1.5	0.85	0.35	0.25
SLZ L 500 SG	1.5	0.85	0.35	0.25
SLZ L 600 SG	1.5	0.85	0.35	0.25

Load diagram, cable ladder SLZ L

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing

Cable ladder with Z rung, 35

St FT



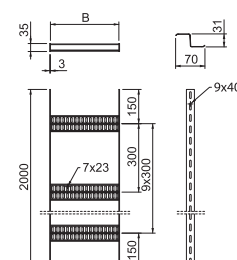
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 FT	100	3	175.334	7098002
SLZ L 200 FT	200	3	198.334	7098006
SLZ L 300 FT	300	3	221.667	7098008
SLZ L 400 FT	400	3	245.000	7098010
SLZ L 500 FT	500	3	268.334	7098012
SLZ L 600 FT	600	3	291.667	7098014

Light-duty shipbuilding cable ladder with perforated side rail of side height 35 mm with welded, perforated Z rungs. Load tested according to IEC in conjunction with connector, type SLV.

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ L 100 FT	3000	106	35	3
SLZ L 200 FT	3000	206	35	3
SLZ L 300 FT	3000	306	35	3
SLZ L 400 FT	3000	406	35	3
SLZ L 500 FT	3000	506	35	3
SLZ L 600 FT	3000	606	35	3

Dimensions

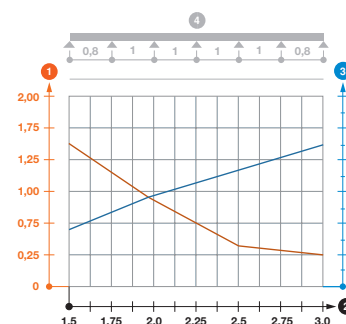


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 FT	1.5	0.85	0.35	0.25
SLZ L 200 FT	1.5	0.85	0.35	0.25
SLZ L 300 FT	1.5	0.85	0.35	0.25
SLZ L 400 FT	1.5	0.85	0.35	0.25
SLZ L 500 FT	1.5	0.85	0.35	0.25
SLZ L 600 FT	1.5	0.85	0.35	0.25

Load diagram, cable ladder SLZ L

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- ④ Load scheme during testing

Load





Cable ladder with Z rung, 40

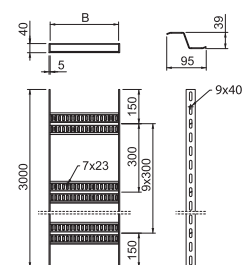


Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs. Load tested according to IEC in conjunction with connector, type SLV. Welding primer type SIGMA-WELD 199, also available in white.

The shipping cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

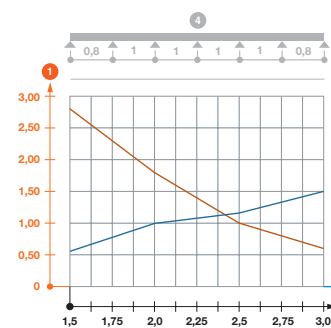
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 SG	100	3	319.000	7098162
SLZ 200 SG	200	3	372.334	7098164
SLZ 300 SG	300	3	425.667	7098166
SLZ 400 SG	400	3	479.000	7098168
SLZ 500 SG	500	3	532.333	7098170
SLZ 600 SG	600	3	585.667	7098172

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ 100 SG	3000	110	40	5
SLZ 200 SG	3000	210	40	5
SLZ 300 SG	3000	310	40	5
SLZ 400 SG	3000	410	40	5
SLZ 500 SG	3000	510	40	5
SLZ 600 SG	3000	610	40	5

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 SG	2.8	1.75	1	0.6
SLZ 200 SG	2.8	1.75	1	0.6
SLZ 300 SG	2.8	1.75	1	0.6
SLZ 400 SG	2.8	1.75	1	0.6
SLZ 500 SG	2.8	1.75	1	0.6
SLZ 600 SG	2.8	1.75	1	0.6

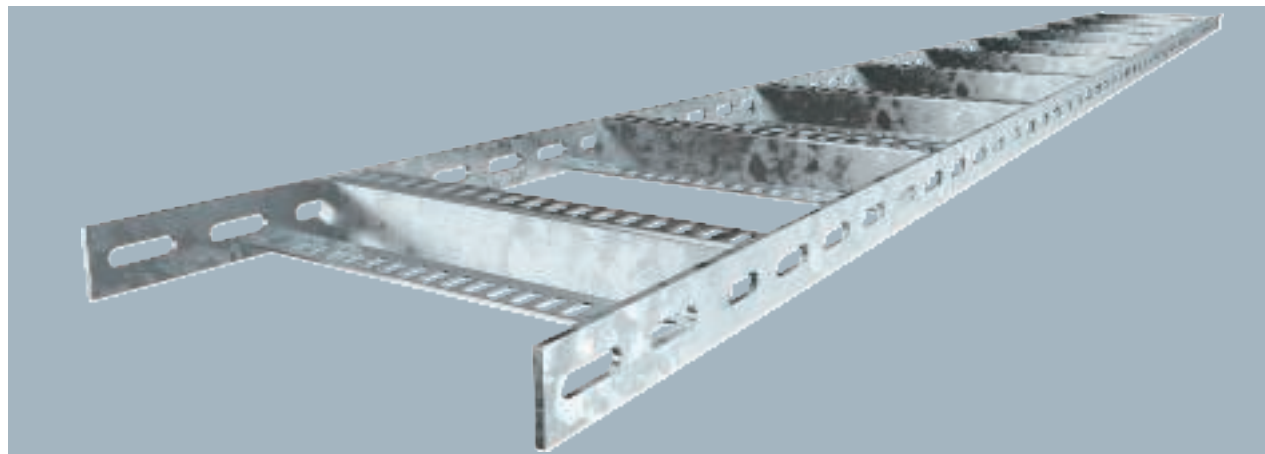
Load diagram, cable ladder SLZ

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing



Cable ladder with Z rung, 40

St FT



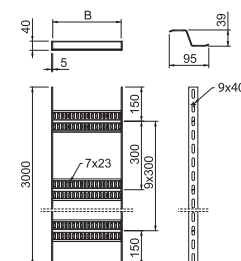
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 FT	100	3	328.667	7098132
SLZ 150 FT	150	3	357.000	7098133
SLZ 200 FT	200	3	385.334	7098134
SLZ 300 FT	300	3	441.667	7098136
SLZ 400 FT	400	3	498.166	7098138
SLZ 500 FT	500	3	554.667	7098140
SLZ 600 FT	600	3	611.333	7098142

Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs. Load tested according to IEC in conjunction with connector, type SLV.

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ 100 FT	3000	110	40	5
SLZ 150 FT	3000	160	40	5
SLZ 200 FT	3000	210	40	5
SLZ 300 FT	3000	310	40	5
SLZ 400 FT	3000	410	40	5
SLZ 500 FT	3000	510	40	5
SLZ 600 FT	3000	610	40	5

Dimensions

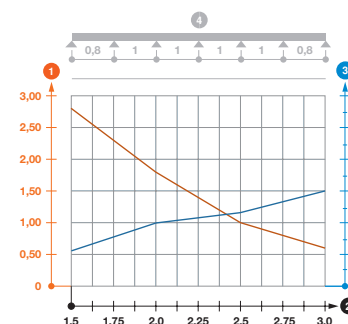


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 FT	2.8	1.75	1	0.6
SLZ 150 FT	2.8	1.75	1	0.6
SLZ 200 FT	2.8	1.75	1	0.6
SLZ 300 FT	2.8	1.75	1	0.6
SLZ 400 FT	2.8	1.75	1	0.6
SLZ 500 FT	2.8	1.75	1	0.6
SLZ 600 FT	2.8	1.75	1	0.6

Load diagram, cable ladder SLZ

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- ④ Load scheme during testing

Load





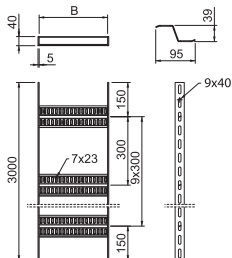
Cable ladder with Z rung, 40



Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs.
The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

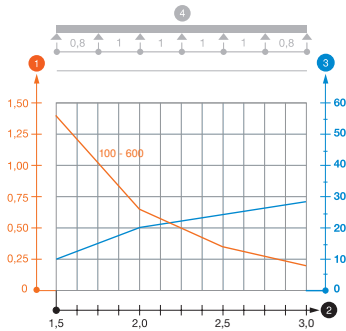
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 ALU	100	3	106.600	7099772
SLZ 200 ALU	200	3	124.667	7099774
SLZ 300 ALU	300	3	142.734	7099776
SLZ 400 ALU	400	3	160.767	7099778
SLZ 500 ALU	500	3	178.834	7099780
SLZ 600 ALU	600	3	196.900	7099782

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ 100 ALU	3000	110	40	5
SLZ 200 ALU	3000	210	40	5
SLZ 300 ALU	3000	310	40	5
SLZ 400 ALU	3000	410	40	5
SLZ 500 ALU	3000	510	40	5
SLZ 600 ALU	3000	610	40	5

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 ALU	1.4	0.65	0.35	0.2
SLZ 200 ALU	1.4	0.65	0.35	0.2
SLZ 300 ALU	1.4	0.65	0.35	0.2
SLZ 400 ALU	1.4	0.65	0.35	0.2
SLZ 500 ALU	1.4	0.65	0.35	0.2
SLZ 600 ALU	1.4	0.65	0.35	0.2

Load diagram, SLZ cable ladder

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width





Vertical ladder systems

OBO vertical ladder systems for vertical routing of all kinds of cables. Available as light-duty vertical ladders with a side height of 45 mm, as a heavy-duty vertical ladder with U profiles and industrial vertical ladders with I profiles. Both the heavy-duty and industrial vertical ladders can be assembled in variable lengths.



Vertical ladder systems

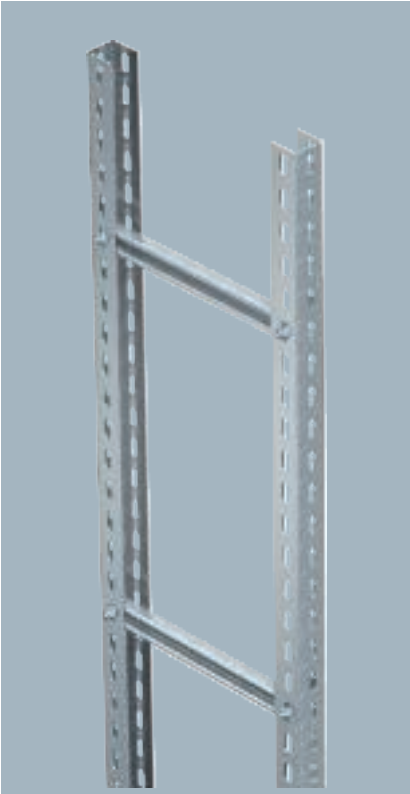
Installation principle



1	Light-duty vertical ladder	LG
2	Heavy-duty vertical ladder	SLM 50
3	Industrial vertical cable ladder	SLS 80
4	Cover with spacer	DRL FAM
5	Rung seat with MS4022 rung	MS4022



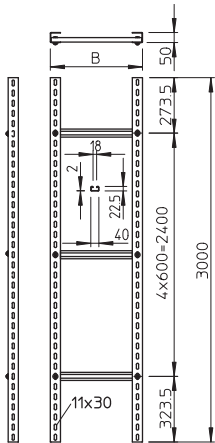
Heavy-duty vertical cable ladder SLM 50, 3 m C40



The vertical ladder with a 50 mm side height is shipped in an unmounted state and must be screwed together on the construction site.
The appropriate clamp clip for the C profile rung is type 2056U.

Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
SLM 50 C40 2 FT	200	2.5	3	572.500	6010466
SLM 50 C40 3 FT	300	2.5	3	600.167	6010474
SLM 50 C40 4 FT	400	2.5	3	627.833	6010482
SLM 50 C40 5 FT	500	2.5	3	655.333	6010490
SLM 50 C40 6 FT	600	2.5	3	683.000	6010504
SLM 50 C40 7 FT	700	2.5	3	710.667	6010512
SLM 50 C40 8 FT	800	2.5	3	738.167	6010520
SLM 50 C40 9 FT	900	2.5	3	765.833	6010539
SLM 50 C40 10 FT	1000	2.5	3	793.500	6010547
SLM 50 C40 11 FT	1100	2.5	3	821.000	6010555
SLM 50 C40 12 FT	1200	2.5	3	848.667	6010563

Dimensions



Type	Length mm	Dim. B mm	Rung spacing mm
SLM 50 C40 2 FT	3000	200	600
SLM 50 C40 3 FT	3000	300	600
SLM 50 C40 4 FT	3000	400	600
SLM 50 C40 5 FT	3000	500	600
SLM 50 C40 6 FT	3000	600	600
SLM 50 C40 7 FT	3000	700	600
SLM 50 C40 8 FT	3000	800	600
SLM 50 C40 9 FT	3000	900	600
SLM 50 C40 10 FT	3000	1000	600
SLM 50 C40 11 FT	3000	1100	600
SLM 50 C40 12 FT	3000	1200	600

St FT



Industrial vertical cable ladder, 6 m C40

Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLS 80 C40 2 FT	200	6	1,277.167	6013384
SLS 80 C40 3 FT	300	6	1,304.833	6013392
SLS 80 C40 4 FT	400	6	1,286.667	6013406
SLS 80 C40 5 FT	500	6	1,360.000	6013414
SLS 80 C40 6 FT	600	6	1,387.667	6013422
SLS 80 C40 7 FT	700	6	1,415.333	6013430
SLS 80 C40 8 FT	800	6	1,443.000	6013449
SLS 80 C40 9 FT	900	6	1,470.667	6013457
SLS 80 C40 10 FT	1000	6	1,498.167	6013465
SLS 80 C40 11 FT	1100	6	1,525.833	6013473
SLS 80 C40 12 FT	1200	6	1,553.333	6013481



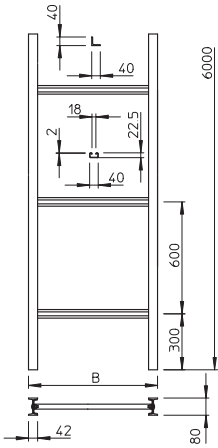
Vertical ladder of side height 80 mm with screwed-in rungs.

The vertical ladder is shipped in an unmounted state.

The appropriate clamp clip is type 2056U.

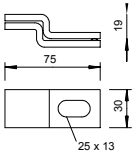
Type	Length mm	Dim. B mm	Rung spacing mm
SLS 80 C40 2 FT	6000	200	600
SLS 80 C40 3 FT	6000	300	600
SLS 80 C40 4 FT	6000	400	600
SLS 80 C40 5 FT	6000	500	600
SLS 80 C40 6 FT	6000	600	600
SLS 80 C40 7 FT	6000	700	600
SLS 80 C40 8 FT	6000	800	600
SLS 80 C40 9 FT	6000	900	600
SLS 80 C40 10 FT	6000	1000	600
SLS 80 C40 11 FT	6000	1100	600
SLS 80 C40 12 FT	6000	1200	600

Dimensions



Wall bracket

St FT

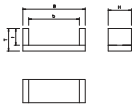


Type	Pack Piece	Weight kg/100 pc.	Item no.
WB 30 75 FT	10	18.100	6019617

Wall bracket for fastening vertical ladders to concrete walls and masonry.

Effective support, function maintenance

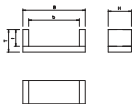
Strain relief on three sides, with mineral wool, internal height 115 mm



Type	Dim. b mm	Dim. t mm	Dim. H mm	Dim. B mm	Dim. T mm	Pack Piece	Weight kg/100 pc.	Item no.
ZSE90-25-11	250	115	140	340	160	1	376.000	7215702
ZSE90-35-11	350	115	140	440	160	1	466.000	7215706
ZSE90-45-11	450	115	140	540	160	1	506.000	7215709

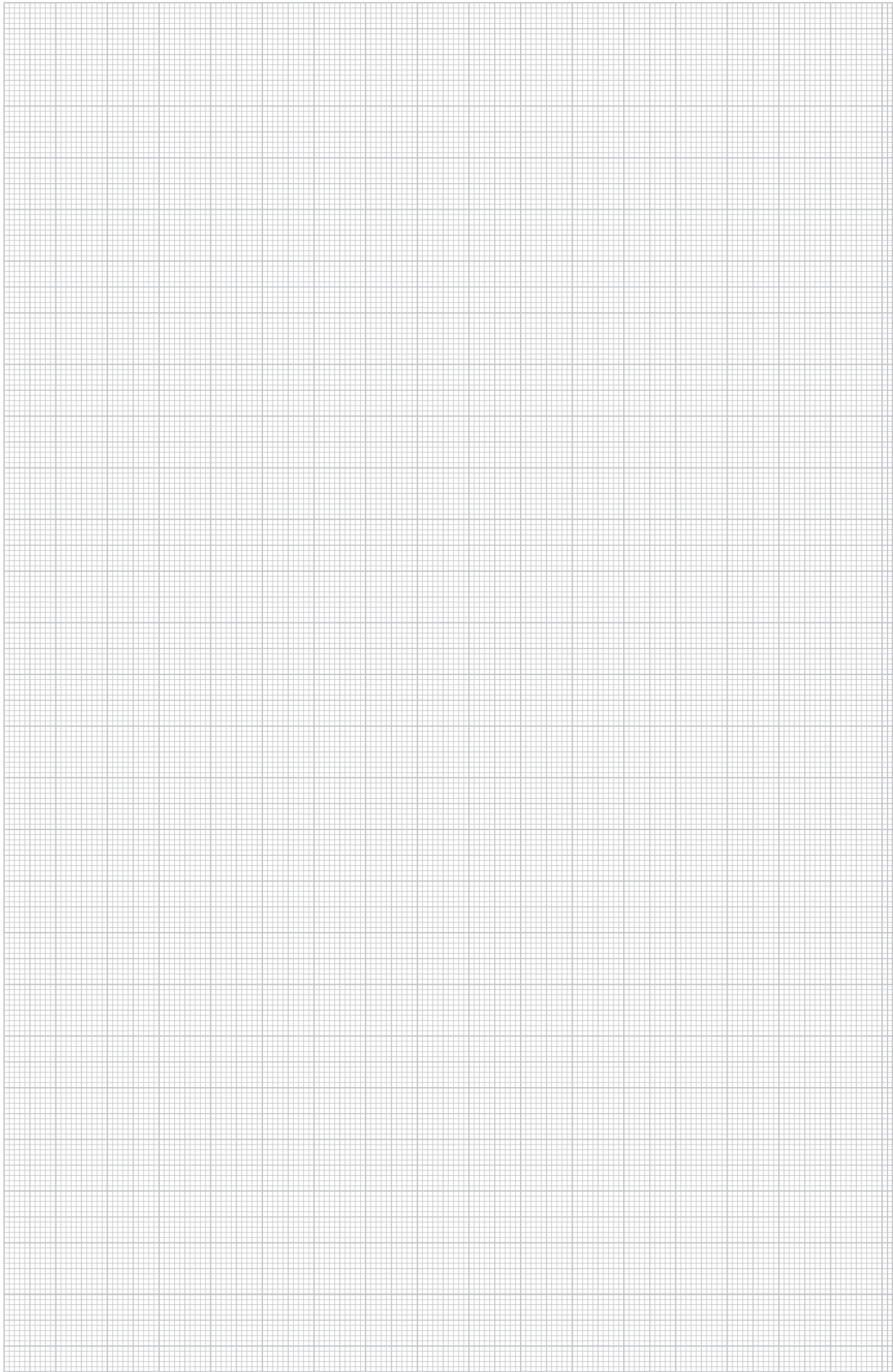
Strain relief as an effective support measure for vertical cable routing, according to DIN 4102 part 12, approved for all cable types and all vertical routing systems. Maintenance of electrical function classes E30 to E90. Housing including mineral fibre panels, fastening material, ASX fire protection coating in cartridge and identification plate.

Strain relief on three sides, with mineral wool, internal height 175 mm



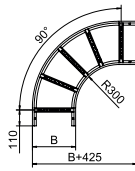
Type	Dim. b mm	Dim. t mm	Dim. H mm	Dim. B mm	Dim. T mm	Pack Piece	Weight kg/100 pc.	Item no.
ZSE90-25-17	250	175	160	340	220	1	484.000	7215713
ZSE90-35-17	350	175	160	440	220	1	600.000	7215716
ZSE90-45-17	450	175	160	540	220	1	700.000	7215719
ZSE90-55-17	550	175	160	640	220	1	770.000	7215726
ZSE90-65-17	650	175	160	740	220	1	822.000	7215730

Strain relief as an effective support measure for vertical cable routing, according to DIN 4102 part 12, approved for all cable types and all vertical routing systems. Maintenance of electrical function classes E30 to E90. Housing including mineral fibre panels, fastening material, ASX fire protection coating in cartridge and identification plate.



90° bend 60

St FS FT

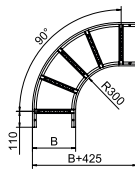


Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LB 90 620 R3 FS	200	1.5	1	254.500	6225042
LB 90 630 R3 FS	300	1.5	1	318.300	6225044
LB 90 640 R3 FS	400	1.5	1	368.700	6225046
LB 90 650 R3 FS	500	1.5	1	458.600	6225048
LB 90 660 R3 FS	600	1.5	1	524.600	6225050
LB 90 620 R3 FT	200	1.5	1	269.800	6225062
LB 90 630 R3 FT	300	1.5	1	338.500	6225064
LB 90 640 R3 FT	400	1.5	1	392.100	6225066
LB 90 650 R3 FT	500	1.5	1	492.600	6225068
LB 90 660 R3 FT	600	1.5	1	562.700	6225070

90° bend, horizontal, with welded rung for all cable ladder types of 60 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

90° bend 60

VA VA 2B

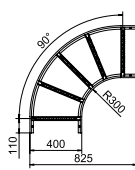


Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LB 90 620 R3 A2	200	1.5	1	257.800	6225082
LB 90 630 R3 A2	300	1.5	1	322.300	6225084
LB 90 640 R3 A2	400	1.5	1	373.400	6225086
LB 90 650 R3 A2	500	1.5	1	458.600	6225088
LB 90 660 R3 A2	600	1.5	1	524.600	6225090
LB 90 620 R3 A4	200	1.5	1	261.000	6225102
LB 90 630 R3 A4	300	1.5	1	326.400	6225104
LB 90 640 R3 A4	400	1.5	1	378.200	6225106
LB 90 650 R3 A4	500	1.5	1	458.600	6225108
LB 90 660 R3 A4	600	1.5	1	524.600	6225110

90° bend, horizontal, with welded rung for all cable ladder types of 60 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

90° bend 110

St FS FT



Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LB 90 1120 R3 FS	200	1.5	1	355.300	6225122
LB 90 1130 R3 FS	300	1.5	1	428.300	6225124
LB 90 1140 R3 FS	400	1.5	1	488.000	6225126
LB 90 1150 R3 FS	500	1.5	1	580.400	6225128
LB 90 1160 R3 FS	600	1.5	1	646.500	6225130
LB 90 1120 R3 FT	200	1.5	1	379.700	6225142
LB 90 1130 R3 FT	300	1.5	1	457.900	6225144
LB 90 1140 R3 FT	400	1.5	1	521.400	6225146
LB 90 1145 R3 FT	450	1.5	1	555.800	6225148
LB 90 1150 R3 FT	500	1.5	1	619.600	6225150
LB 90 1160 R3 FT	600	1.5	1	688.700	6225152

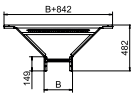
90° bend, horizontal, with welded rung for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



St FS FT

Add-on tee 60

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAA 620 R3 FS	200	1.5	1	306.000	6225850
LAA 630 R3 FS	300	1.5	1	328.000	6225852
LAA 640 R3 FS	400	1.5	1	351.000	6225854
LAA 650 R3 FS	500	1.5	1	373.000	6225856
LAA 660 R3 FS	600	1.5	1	395.000	6225858
LAA 620 R3 FT	200	1.5	1	316.000	6225870
LAA 630 R3 FT	300	1.5	1	339.000	6225872
LAA 640 R3 FT	400	1.5	1	363.000	6225874
LAA 650 R3 FT	500	1.5	1	387.000	6225876
LAA 660 R3 FT	600	1.5	1	410.000	6225878

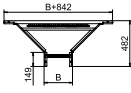


Mounting/branch with welded rung for use in the cable ladder types with a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

St FS FT

Add-on tee 110

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAA 1120 R3 FS	200	1.5	1	389.000	6225910
LAA 1130 R3 FS	300	1.5	1	411.000	6225912
LAA 1140 R3 FS	400	1.5	1	434.000	6225914
LAA 1150 R3 FS	500	1.5	1	457.000	6225916
LAA 1160 R3 FS	600	1.5	1	480.000	6225918
LAA 1120 R3 FT	200	1.5	1	401.000	6225930
LAA 1130 R3 FT	300	1.5	1	426.000	6225932
LAA 1140 R3 FT	400	1.5	1	449.000	6225934
LAA 1145 R3 FT	450	1.5	1	461.000	6225936
LAA 1150 R3 FT	500	1.5	1	472.000	6225938
LAA 1160 R3 FT	600	1.5	1	497.000	6225940



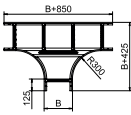
Add-on tee with welded rung for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

T pieces

St FS FT

T piece 60

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 620 R3 FS	200	1.5	1	468.700	6225210
LT 630 R3 FS	300	1.5	1	531.000	6225212
LT 640 R3 FS	400	1.5	1	619.700	6225214
LT 650 R3 FS	500	1.5	1	688.600	6225216
LT 660 R3 FS	600	1.5	1	757.400	6225218
LT 620 R3 FT	200	1.5	1	494.800	6225230
LT 630 R3 FT	300	1.5	1	595.500	6225232
LT 640 R3 FT	400	1.5	1	656.500	6225234
LT 650 R3 FT	500	1.5	1	729.500	6225236
LT 660 R3 FT	600	1.5	1	797.100	6225238



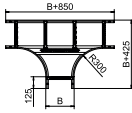
T piece, horizontal, with welded rung for all cable ladder types of 60 mm side height.
Connectors should be ordered separately and in the appropriate quantity.



T pieces

T piece 60

VA VA 2B

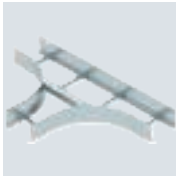
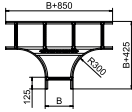


Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 620 R3 A2	200	1.5	1	474.600	6225250
LT 630 R3 A2	300	1.5	1	537.800	6225252
LT 640 R3 A2	400	1.5	1	627.700	6225254
LT 650 R3 A2	500	1.5	1	697.400	6225256
LT 660 R3 A2	600	1.5	1	767.200	6225258
LT 620 R3 A4	200	1.5	1	480.600	6225270
LT 630 R3 A4	300	1.5	1	544.700	6225272
LT 640 R3 A4	400	1.5	1	635.600	6225274
LT 650 R3 A4	500	1.5	1	706.200	6225276
LT 660 R3 A4	600	1.5	1	776.900	6225278

T piece, horizontal, with welded rung for all cable ladder types of 60 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

T piece 110

St FS FT



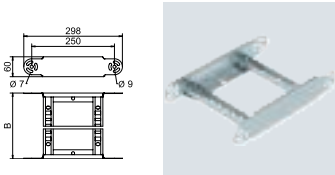
Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 1120 R3 FS	200	1.5	1	611.800	6225290
LT 1130 R3 FS	300	1.5	1	680.000	6225292
LT 1140 R3 FS	400	1.5	1	774.500	6225294
LT 1150 R3 FS	500	1.5	1	849.300	6225296
LT 1160 R3 FS	600	1.5	1	924.000	6225298
LT 1120 R3 FT	200	1.5	1	651.500	6225310
LT 1130 R3 FT	300	1.5	1	781.100	6225312
LT 1140 R3 FT	400	1.5	1	882.600	6225314
LT 1145 R3 FT	450	1.5	1	926.800	6225316
LT 1150 R3 FT	500	1.5	1	963.100	6225318
LT 1160 R3 FT	600	1.5	1	982.900	6225320

T piece, horizontal, with welded rung for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

St FS FT

Adjustable bend element 60

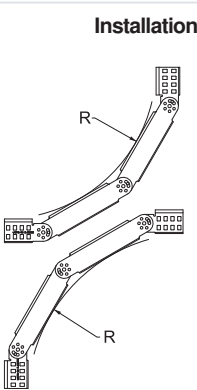
Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBE 620 FS	200	1.5	1	84.000	6225450
LGBE 630 FS	300	1.5	1	97.000	6225452
LGBE 640 FS	400	1.5	1	109.900	6225454
LGBE 650 FS	500	1.5	1	122.900	6225456
LGBE 660 FS	600	1.5	1	135.900	6225458
LGBE 620 FT	200	1.5	1	89.000	6225470
LGBE 630 FT	300	1.5	1	102.600	6225472
LGBE 640 FT	400	1.5	1	116.400	6225474
LGBE 650 FT	500	1.5	1	130.200	6225476
LGBE 660 FT	600	1.5	1	144.000	6225478



Adjustable bend element with welded rung for use in the cable ladder types with a side height of 60 mm.

Radius table	
Quantity of elements	Radius
1	approx. 300 mm
2	approx. 450 mm
3	approx. 600 mm
4	approx. 750 mm
5	approx. 900 mm

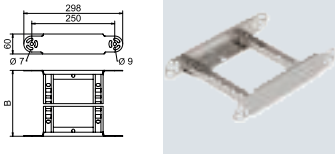
Please order two LGVG 60 adjustable connectors separately.



VA 2B

Adjustable bend element 60

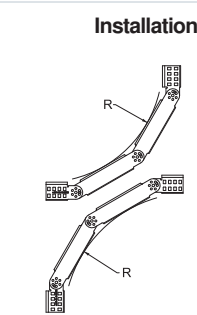
Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBE 620 A2	200	1.5	1	84.000	6225460
LGBE 630 A2	300	1.5	1	97.000	6225462
LGBE 640 A2	400	1.5	1	109.900	6225464
LGBE 650 A2	500	1.5	1	122.900	6225466
LGBE 660 A2	600	1.5	1	135.900	6225468



Adjustable bend element with welded rung for use in cable ladder types with a side height of 60 mm.

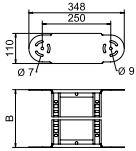
Radius table	
Quantity of elements	Radius
1	approx. 300 mm
2	approx. 450 mm
3	approx. 600 mm
4	approx. 750 mm
5	approx. 900 mm

Please order two LGVG 60 adjustable connectors separately.



Adjustable bend element 110

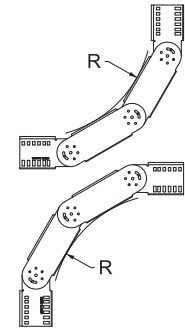
St FS FT



Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBE 1120 FS	200	1.5	1	128.000	6225490
LGBE 1130 FS	300	1.5	1	142.100	6225492
LGBE 1140 FS	400	1.5	1	155.300	6225494
LGBE 1150 FS	500	1.5	1	168.600	6225496
LGBE 1160 FS	600	1.5	1	181.800	6225498
LGBE 1120 FT	200	1.5	1	136.900	6225510
LGBE 1130 FT	300	1.5	1	150.900	6225512
LGBE 1140 FT	400	1.5	1	165.100	6225514
LGBE 1145 FT	450	1.5	1	173.100	6225516
LGBE 1150 FT	500	1.5	1	179.300	6225518
LGBE 1160 FT	600	1.5	1	193.300	6225520

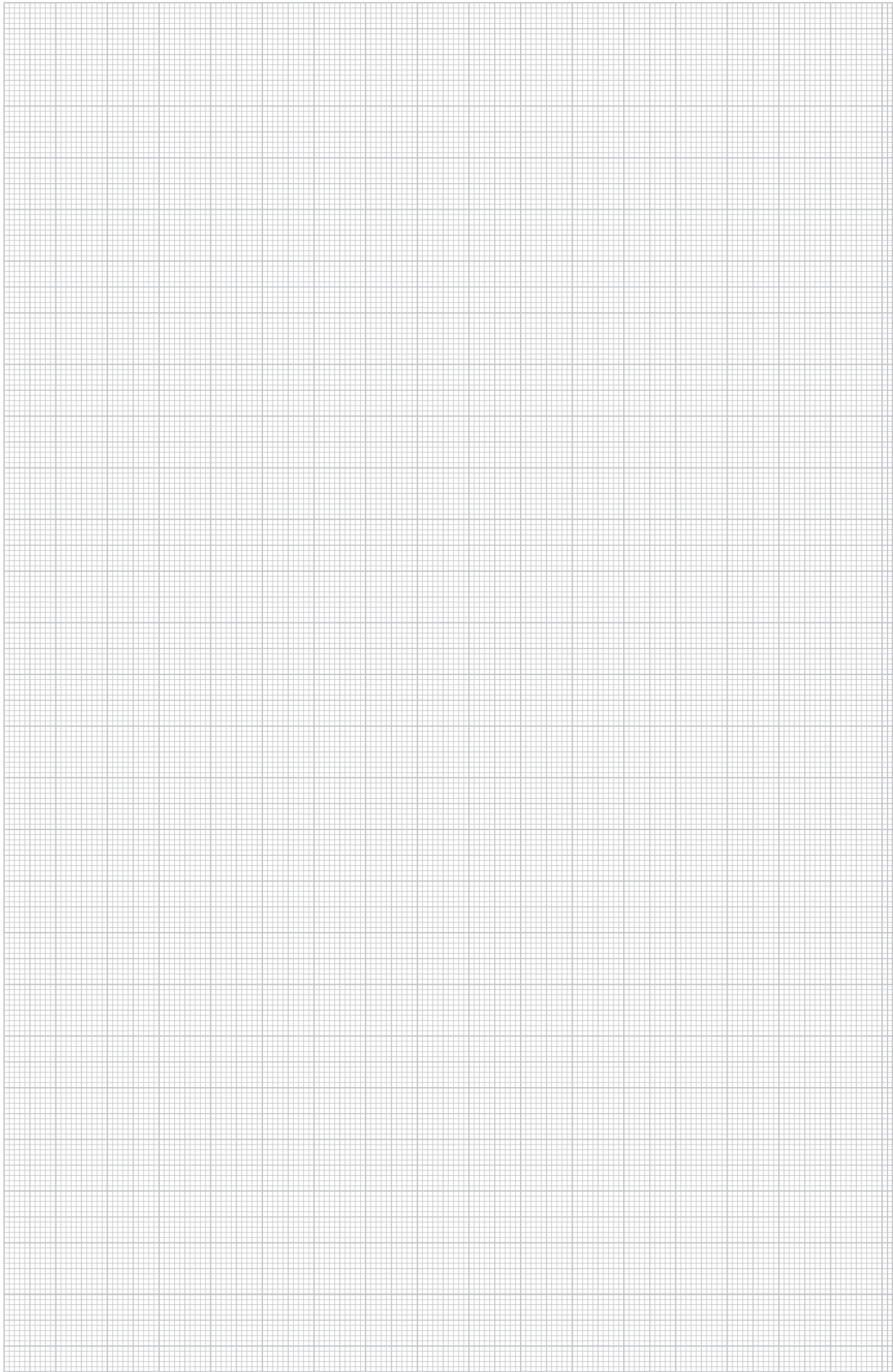
Adjustable bend element with welded rung for use in the cable ladder types with a side height of 110 mm.

Installation



Radius table	
Quantity of elements	Radius
1	approx. 300 mm
2	approx. 450 mm
3	approx. 600 mm
4	approx. 750 mm
5	approx. 900 mm

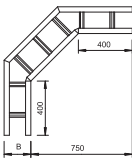
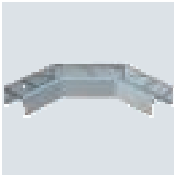
Please order two LGVG 110 articulated connectors separately.



St FT

90° bend 200

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WLB 90 2020 FT	200	2.5	1	1,881.000	6233422
WLB 90 2030 FT	300	2.5	1	2,060.000	6233430
WLB 90 2040 FT	400	2.5	1	2,241.000	6233449
WLB 90 2050 FT	500	2.5	1	2,421.000	6233457
WLB 90 2060 FT	600	2.5	1	2,600.000	6233465



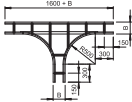
For further stabilisation, additional supports should be planned for the area of the fittings.
90° bend, horizontal, for all wide span cable ladders of 200 mm side height.

T pieces, wide span cable ladders

St FS FT

T branch piece 110

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WLT 1120 FS	200	2	1	1,760.000	6312632
WLT 1130 FS	300	2	1	1,927.000	6312640
WLT 1140 FS	400	2	1	2,050.000	6312659
WLT 1150 FS	500	2	1	2,172.000	6312667
WLT 1160 FS	600	2	1	2,340.000	6312675
WLT 1120 FT	200	2	1	1,842.000	6312713
WLT 1130 FT	300	2	1	2,017.000	6312721
WLT 1140 FT	400	2	1	2,147.000	6312748
WLT 1150 FT	500	2	1	2,275.000	6312756
WLT 1160 FT	600	2	1	2,404.000	6312764

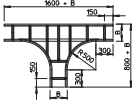


For further stabilisation, additional supports should be planned for the area of the fittings.
Horizontal T branch piece, for all wide span cable ladders of 110 mm side height.

St VA FT 2B

T branch piece 160

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WLT 1620 FT	200	2	1	2,345.000	6229727
WLT 1630 FT	300	2	1	2,565.000	6229735
WLT 1640 FT	400	2	1	2,725.000	6229743
WLT 1650 FT	500	2	1	2,885.000	6229751
WLT 1660 FT	600	2	1	3,040.000	6229778
WLT 1620 A4	200	2	1	2,249.000	6229820
WLT 1630 A4	300	2	1	2,452.000	6229822
WLT 1640 A4	400	2	1	2,604.000	6229824
WLT 1650 A4	500	2	1	2,756.000	6229826
WLT 1660 A4	600	2	1	2,907.000	6229828

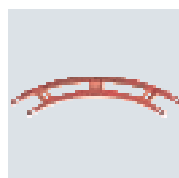
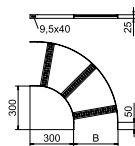


For further stabilisation, additional supports should be planned for the area of the fittings.
Horizontal T branch piece, for all wide span cable ladders of 160 mm side height.



90° bend with trapezoidal rung, 25

St SG



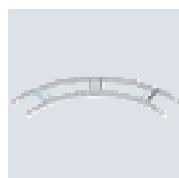
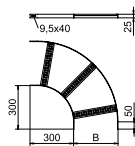
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075 SG	75	3	1	70.600	7098500
SLB 90 42 100 SG	100	3	1	75.800	7098502
SLB 90 42 150 SG	150	3	1	85.400	7098510
SLB 90 42 200 SG	200	3	1	95.000	7098529
SLB 90 42 250 SG	250	3	1	104.600	7098537
SLB 90 42 300 SG	300	3	1	114.300	7098545

Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladder, type SL 42, with side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

90° bend with trapezoidal rung, 25

St FT



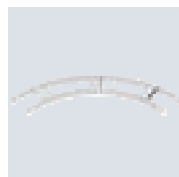
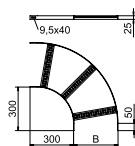
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075 FT	75	3	1	73.800	7098614
SLB 90 42 100 FT	100	3	1	80.000	7098618
SLB 90 42 150 FT	150	3	1	88.900	7098626
SLB 90 42 200 FT	200	3	1	99.000	7098634
SLB 90 42 250 FT	250	3	1	108.900	7098642
SLB 90 42 300 FT	300	3	1	122.000	7098650

Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

90° bend with trapezoidal rung, 25

Alu GB



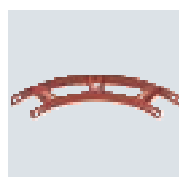
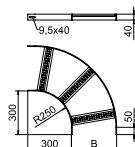
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075ALU	75	3	1	27.000	7098684
SLB 90 42 100ALU	100	3	1	29.500	7098686
SLB 90 42 150ALU	150	3	1	34.500	7098688
SLB 90 42 200ALU	200	3	1	39.500	7098690
SLB 90 42 250ALU	250	3	1	44.500	7098692
SLB 90 42 300ALU	300	3	1	49.500	7098694

Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

90° bend with trapezoidal rung, 40

St SG



Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 62 100 SG	100	5	1	204.000	7098707
SLB 90 62 200 SG	200	5	1	258.400	7098723
SLB 90 62 300 SG	300	5	1	311.000	7098731
SLB 90 62 400 SG	400	5	1	363.000	7098758
SLB 90 62 500 SG	500	5	1	421.000	7098766
SLB 90 62 600 SG	600	5	1	475.000	7098774

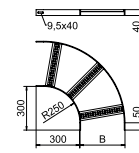
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

St FT

90° bend with trapezoidal rung, 40

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 62 100 FT	100	5	1	219.000	7098855
SLB 90 62 200 FT	200	5	1	278.000	7098871
SLB 90 62 300 FT	300	5	1	336.000	7098898
SLB 90 62 400 FT	400	5	1	372.000	7098901
SLB 90 62 500 FT	500	5	1	452.000	7098928
SLB 90 62 600 FT	600	5	1	511.000	7098936



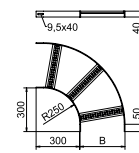
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

Alu GB

90° bend with trapezoidal rung, 40

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 62 100ALU	100	5	1	69.600	7099186
SLB 90 62 200ALU	200	5	1	88.100	7099188
SLB 90 62 300ALU	300	5	1	106.600	7099190
SLB 90 62 400ALU	400	5	1	125.100	7099192
SLB 90 62 500ALU	500	5	1	143.600	7099194
SLB 90 62 600ALU	600	5	1	162.100	7099196



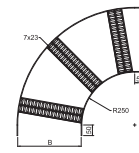
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.

St SG

90° bend with Z rung, 35

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB L 90 100 SG	100	3	1	111.000	7099201
SLZB L 90 200 SG	200	3	1	143.000	7099203
SLZB L 90 300 SG	300	3	1	174.000	7099205
SLZB L 90 400 SG	400	3	1	206.000	7099208
SLZB L 90 500 SG	500	3	1	237.000	7099210
SLZB L 90 600 SG	600	3	1	269.000	7099212



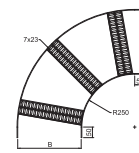
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ L, with side height of 35 mm with welded, perforated Z rungs.

St FT

90° bend with Z rung, 35

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB L 90 100 FT	100	3	1	119.400	7099221
SLZB L 90 200 FT	200	3	1	153.300	7099224
SLZB L 90 300 FT	300	3	1	187.200	7099226
SLZB L 90 400 FT	400	3	1	221.000	7099228
SLZB L 90 500 FT	500	3	1	254.900	7099230



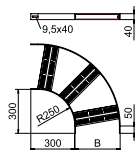
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ L, with side height of 35 mm with welded, perforated Z rungs.



90° bend with Z rung, 40

St SG



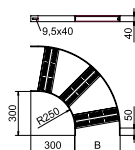
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 SG	100	5	1	222.200	7098976
SLZB 90 200 SG	200	5	1	295.100	7098978
SLZB 90 300 SG	300	5	1	338.600	7098980
SLZB 90 400 SG	400	5	1	441.300	7098982
SLZB 90 500 SG	500	5	1	514.000	7098984
SLZB 90 600 SG	600	5	1	586.600	7098986

Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ, with side height of 40 mm with welded, perforated Z rungs.

90° bend with Z rung, 40

St FT



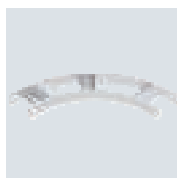
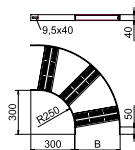
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 FT	100	5	1	228.900	7099000
SLZB 90 200 FT	200	5	1	306.000	7099002
SLZB 90 400 FT	400	5	1	458.000	7099006
SLZB 90 600 FT	600	5	1	609.000	7099010

Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ, with side height of 40 mm with welded, perforated Z rungs.

90° bend with Z rung, 40

Alu GB

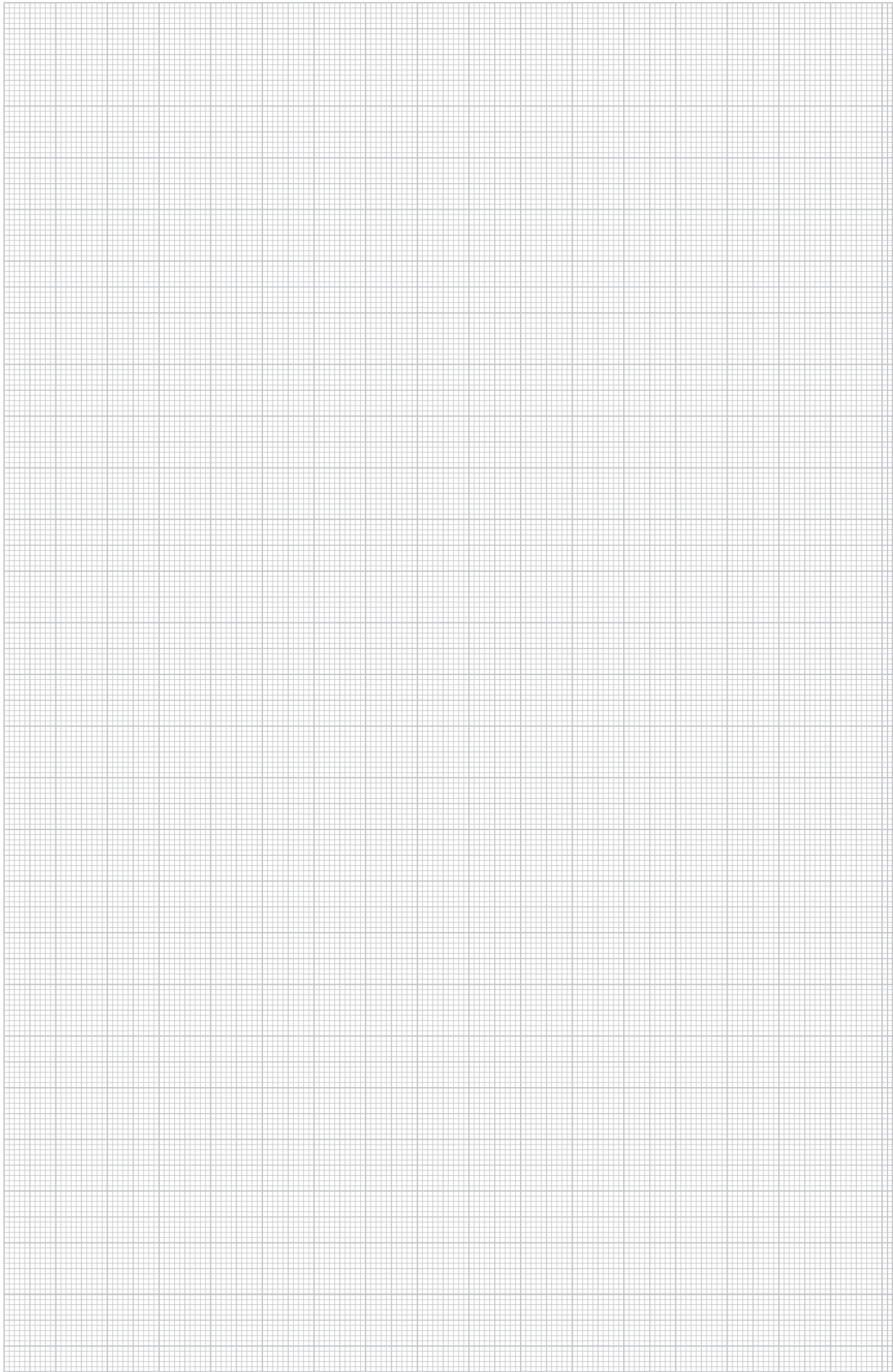


Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 ALU	100	5	1	75.800	7099090
SLZB 90 200 ALU	200	5	1	100.400	7099092
SLZB 90 300 ALU	300	5	1	125.100	7099094
SLZB 90 400 ALU	400	5	1	149.700	7099096
SLZB 90 500 ALU	500	5	1	174.300	7099098
SLZB 90 600 ALU	600	5	1	198.900	7099100

Connectors should be ordered separately and in the appropriate quantity.

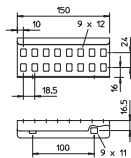
90° bend for shipbuilding cable ladders, type SLZ, with side height of 40 mm with welded, perforated Z rungs.





Straight connector 60

St FS FT



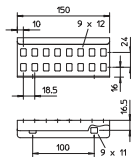
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 60 FS	60	10	22.000	6208840
LVG 60 FT	60	10	23.000	6208843

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.

Straight connector 60

VA VA 2B



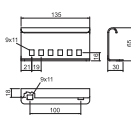
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 60 A2	60	10	22.000	6208846
LVG 60 A4	60	10	20.000	6208835

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.

AVL 60 external connector

St FS FT

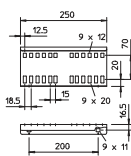


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
AVL 60 FS	60	10	23.200	6208770
AVL 60 FT	60	10	23.400	6208778

External connector for mechanical connection of cable ladder sections for routing types with cable ladders for the maintenance of electrical function to DIN 4102 Part 12. Including bolts.

LVG 110 straight connector

St FS FT



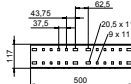
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 110 FS	110	10	50.900	6216545
LVG 110 FT	110	10	53.700	6216548

Straight connector as external connector to connect cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

The bolt fastening ensures the continuity of the equipotential bonding.

Straight connector 110

St FS FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRVL 110 FS	110	2	152.400	6091164
WRVL 110 FT	110	2	157.800	6091180

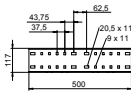
Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.

VA VA 2B

Straight connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRVL 110 A2	110	2	154.200	6091229
WRVL 110 A4	110	2	154.400	6091234

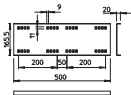


Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 110 mm.
Including appropriate bolts, washers and nuts.

St FS FT

Straight connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRVL 160 FS	160	2	218.000	6227708
WRVL 160 FT	160	2	218.000	6227716

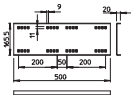


Straight connector for the connection of wide span cable trays and ladders of types WKSG and WKLG with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

VA VA 2B

Straight connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRVL 160 A2	160	2	218.000	6227724
WRVL 160 A4	160	2	250.000	6227730

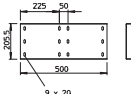


Straight connector for straight connections of cable trays, wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

St FT

Straight connector 200

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRV 200 FT	200	4	320.000	6232507



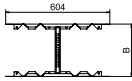
Straight connector for connections of wide span cable ladders and fittings with a side height of 200 mm.
Including appropriate bolts, washers and nuts.

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Multifunctional connector 60

St FS FT

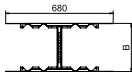


Type	Dim. B mm	Side height mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LMFV 620 FS	200	60	1.50	1	123.200	6225710
LMFV 630 FS	300	60	1.50	1	129.700	6225712
LMFV 640 FS	400	60	1.50	1	136.200	6225714
LMFV 650 FS	500	60	1.50	1	142.800	6225716
LMFV 660 FS	600	60	1.50	1	149.300	6225718
LMFV 620 FT	200	60	1.50	1	130.600	6225730
LMFV 630 FT	300	60	1.50	1	137.500	6225732
LMFV 640 FT	400	60	1.50	1	144.400	6225734
LMFV 650 FT	500	60	1.50	1	151.300	6225736
LMFV 660 FT	600	60	1.50	1	158.200	6225738

Multifunctional connector for joining cable ladders with a side height of 60 mm. Symmetrical and asymmetrical reductions, infinitely-adjustable bends between 0–60° and add-on tees can be created.

Multifunctional connector 110

St FS FT



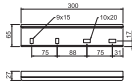
Type	Dim. B mm	Side height mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LMFV 1120 FS	200	110	1.50	1	208.100	6225750
LMFV 1130 FS	300	110	1.50	1	214.600	6225752
LMFV 1140 FS	400	110	1.50	1	221.100	6225754
LMFV 1150 FS	500	110	1.50	1	227.600	6225756
LMFV 1160 FS	600	110	1.50	1	234.000	6225758
LMFV 1120 FT	200	110	1.50	1	221.300	6225770
LMFV 1130 FT	300	110	1.50	1	228.200	6225772
LMFV 1140 FT	400	110	1.50	1	235.100	6225774
LMFV 1145 FT	450	110	1.50	1	238.500	6225776
LMFV 1150 FT	500	110	1.50	1	241.900	6225778
LMFV 1160 FT	600	110	1.50	1	248.800	6225780

Multifunctional connector for joining cable ladders with a side height of 110 mm. Symmetrical and asymmetrical reductions, infinitely-adjustable bends between 0–60° and add-on tees can be created.

Connector for expansion

LDVG 60 expansion connector

St FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LDVG 60 FT	60	2	61.700	6208970

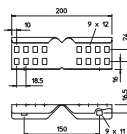
Connector for expansion for compensation of linear thermal expansion. The tightening torques of the self-locking screws on the loose bearing side are 5 Nm.

Installation	Positioning of expansion connectors	
	Metal temperature difference	Maximum spacing between expansion connectors
	10°C	70 metres
	25°C	47 metres
	40°C	35 metres
	50°C	28 metres
	65°C	23 metres
	80°C	20 metres



Angle connector 60

St FS



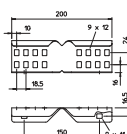
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LWVG 60 FS	60	10	24.000	6208895

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

Angle connector 60

VA VA 2B



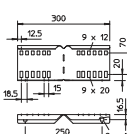
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LWVG 60 A2	60	10	24.000	6208898
LWVG 60 A4	60	10	24.256	6208891

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

Angle connector 110

St FS



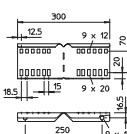
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LWVG 110 FS	110	10	48.800	6216587

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

Angle connector 110

VA 2B



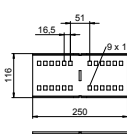
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LWVG 110 A2	110	10	48.800	6216590

The bolt fastening ensures the continuity of the equipotential bonding.

Angle connector as external connector to join cable ladders and fittings with a side height of 110 mm and continuous rail perforation.

Angle connector 110

St FS



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWVK 110 FS	110	2	83.800	6091377

Including appropriate bolts, washers and nuts.

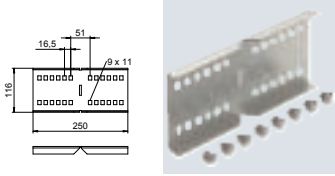
Angle connector for wide span cable trays and ladders with a side height of 110 mm.

VA VA 2B

Angle connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWVK 110 A2	110	2	82.000	6091393
WRWVK 110 A4	110	2	82.000	6091397

Including appropriate bolts, washers and nuts.
Angle connector for wide span cable trays and ladders with a side height of 110 mm.

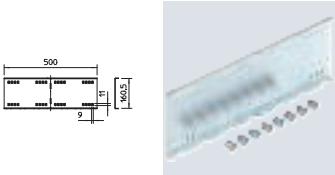


St FS

Angle connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWVK 160 FS	160	2	199.800	6227832

Including appropriate bolts, washers and nuts.
Angle connector for wide span cable trays and ladders with a side height of 160 mm.

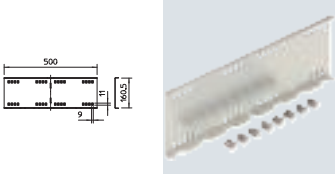


VA 2B

Angle connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWVK 160 A2	160	2	199.800	6227836

Including appropriate bolts, washers and nuts.
Angle connector for wide span cable trays and ladders with a side height of 160 mm.

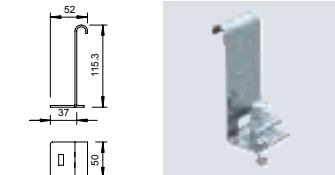


VA 2B

Connector 110

Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 110 A2	1	18.000	6221432

Connector for creation of branches at the same height at a later date.
To increase the cable supporting surface, use a conjunction of corner plates of type LEB.

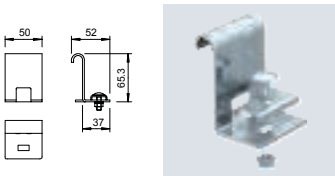


St FS FT

Connection piece 60

Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 60 FS	10	13.000	6221351
LAS 60 FT	10	13.600	6221378

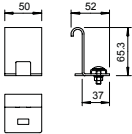
Connector for creation of branches at the same height at a later date.
To increase the cable supporting surface, use a conjunction of corner plates of type LEB.



Angle connector

Connector 60

VA 2B

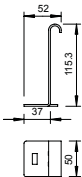


Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 60 A2	10	13.000	6221386

Connector for creation of branches at the same height at a later date.
To increase the cable supporting surface, use a conjunction of corner plates of type LEB.

Connector 110

St FS FT

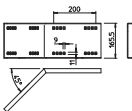


Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 110 FS	10	17.900	6221416
LAS 110 FT	10	18.700	6221424

Connector for creation of branches at the same height at a later date.
To increase the cable supporting surface, use a conjunction of corner plates of type LEB.

45° angle connector, external 160

St FS FT

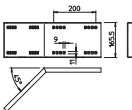


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 160 A FS	160	1	234.000	6227856
WRWV 160 A FT	160	1	234.000	6227864

Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

45° angle connector, external 160

VA 2B

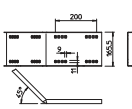


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 160 A A2	160	1	234.000	6227868

Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

45° angle connector, horizontal, inner rail 160

St FS FT



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 160 I FS	160	1	234.000	6227902
WRWV 160 I FT	160	1	234.000	6227910

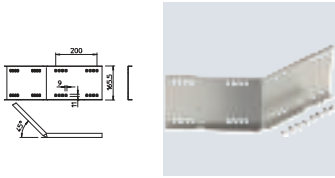
Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

VA 2B

45° angle connector, internal 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 160 I A2	160	1	239.000	6227914

Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable trays and ladders with a side height of 160 mm.

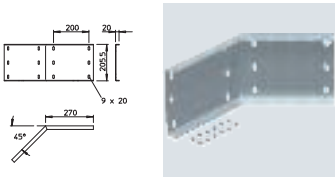


St FT

45° angle connector, external 200

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 200 A FT	200	4	320.000	6232604

Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable ladders of 200 mm side height.

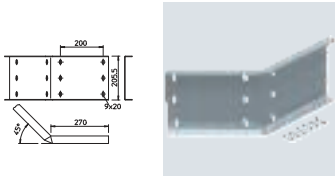


St FT

45° angle connector, internal 200

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 200 I FT	200	4	322.000	6232612

Including appropriate bolts, washers and nuts.
45° angle connector, horizontal, for wide span cable ladders of 200 mm side height.

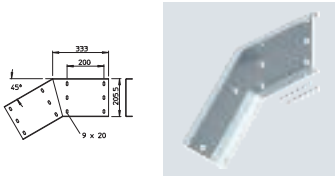


St FT

45° angle connector, vertical 200

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRWV 200 V FT	200	4	343.100	6232663

Including appropriate bolts, washers and nuts.
45° angle connector, vertical, for wide span cable ladders of 200 mm side height.



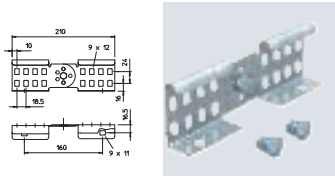
Articulated connector

St FS FT

Adjustable connector 60

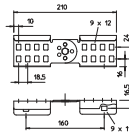
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 60 FS	60	10	28.500	6208941
LGVG 60 FT	60	10	29.900	6208944

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.
The bolt fastening ensures the continuity of the equipotential bonding.



Adjustable connector 60

VA VA 2B



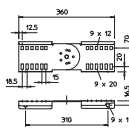
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 60 A2	60	10	28.500	6208947
LGVG 60 A4	60	10	28.500	6208932

Adjustable connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.

Adjustable connector 110

St FS FT



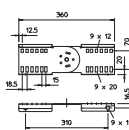
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 110 FS	110	10	77.900	6216650
LGVG 110 FT	110	10	82.100	6216653

Adjustable connector as internal connector to join cable ladders and fittings with a side height of 110 mm. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.

Articulated connector 110

VA 2B



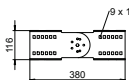
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 110 A2	110	10	77.400	6216648

Adjustable connector as internal connector to join cable ladders and fittings with a side height of 110 mm. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.

Adjustable connector 110

St FS FT



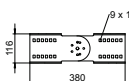
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRGV 110 FS	110	2	119.000	6091318
WRGV 110 FT	110	2	119.000	6091334

Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.

Adjustable connector 110

VA VA 2B



Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRGV 110 A2	110	2	120.000	6091338
WRGV 110 A4	110	2	120.000	6091343

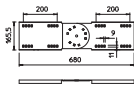
Adjustable connector for wide span cable trays and ladders with a side height of 110 mm.

Including appropriate bolts, washers and nuts.

St FS FT

Adjustable connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRGV 160 FS	160	2	306.100	6227953
WRGV 160 FT	160	2	316.700	6227961

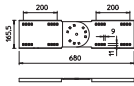


Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

VA 2B

Adjustable connector 160

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
WRGV 160 A2	160	2	300.200	6227965

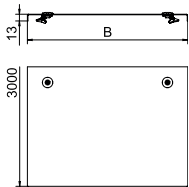


Adjustable connector for wide span cable trays and ladders with a side height of 160 mm.
Including appropriate bolts, washers and nuts.

Lid with sash lock, wide span

Cover with turn buckle

St FS DD

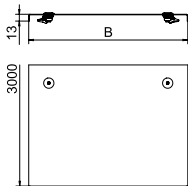


Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
WDRL 1116 20 FS	200	1.00	3000	3	181.340	6227422
WDRL 1116 30 FS	300	1.00	3000	3	259.670	6227430
WDRL 1116 40 FS	400	1.00	3000	3	516.670	6227449
WDRL 1116 50 FS	500	1.50	3000	3	623.000	6227457
WDRL 1116 60 FS	600	1.50	3000	3	741.000	6227465
WDRL 1116 20 DD	200	1.00	3000	3	185.000	6227600
WDRL 1116 30 DD	300	1.00	3000	3	263.340	6227604
WDRL 1116 40 DD	400	1.00	3000	3	505.000	6227608
WDRL 1116 50 DD	500	1.50	3000	3	626.670	6227612
WDRL 1116 60 DD	600	1.50	3000	3	744.333	6227616

Cover with turn buckles for wide span cable trays and wide span cable ladders with side heights of 110 and 160 mm.
Take appropriate constructive protection measures if there are high wind speeds.
Transverse bead from 500 mm width.

Cover with turn buckle

VA 2B

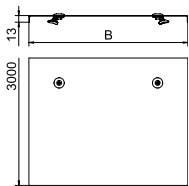


Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
WDRL 1116 20 A2	200	1.50	3000	3	186.670	6227360
WDRL 1116 30 A2	300	1.50	3000	3	265.340	6227362
WDRL 1116 40 A2	400	1.50	3000	3	513.000	6227364
WDRL 1116 50 A2	500	1.50	3000	3	629.670	6227366
WDRL 1116 60 A2	600	1.50	3000	3	747.670	6227368

Cover for wide span trays and ladders with the side height 110 and 160 mm.
Take appropriate constructive protection measures if there are high wind speeds.
Transverse bead from 500 mm width.

Cover incl. turn buckles

St DD



Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
WKLD 2020 DD	200	1.50	3000	3	188.000	6232402
WKLD 2030 DD	300	1.50	3000	3	266.670	6232404
WKLD 2040 DD	400	1.50	3000	3	427.670	6232406
WKLD 2050 DD	500	1.50	3000	3	527.340	6232408
WKLD 2060 DD	600	1.50	3000	3	673.340	6232410

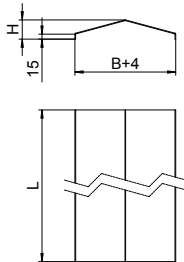
Cover for wide span ladders with the side height of 200 mm.
Take appropriate constructive protection measures if there are high wind speeds.
Cross-beading from 500 mm width.

St FT

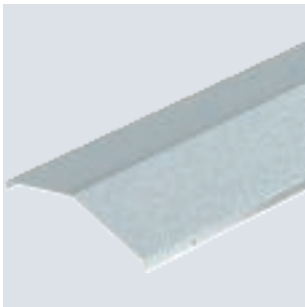
Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
WDRLU DF1116 2FT	200	2.00	3000	3	380.000	6227261
WDRLU DF1116 3FT	300	2.00	3000	3	544.340	6227263
WDRLU DF1116 4FT	400	2.00	3000	3	707.000	6227265
WDRLU DF1116 5FT	500	2.00	3000	3	869.340	6227267
WDRLU DF1116 6FT	600	2.00	3000	3	1,032.000	6227269

The screws are not included in the scope of delivery.

Roof-shaped cover for installing on cable trays, cable ladders and wide span systems. Self-tapping drilling screws are used for fastening.



Roof-form cover



Lid for stand-off mounting

St FT

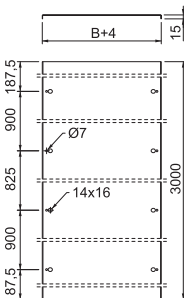
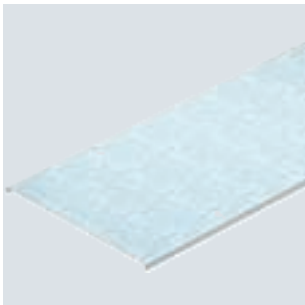
Type	Width mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL FAM 230 FT	230	1.50	3000	3	319.240	6051222
DRL FAM 330 FT	330	1.50	3000	3	444.800	6051224
DRL FAM 430 FT	430	1.50	3000	3	570.370	6051226
DRL FAM 530 FT	530	1.50	3000	3	695.900	6051228
DRL FAM 630 FT	630	1.50	3000	3	821.470	6051230

Spacers must ordered separately for every 3 m under article number 6065475 for cable trays and cable ladders as well as under article number 6065477 for wide span systems.

Cover for stand-off mounting. Not suitable for the vertical ladders SLM and SLS.

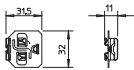
When using covers outdoors, additional measures against the influence of wind must be taken.

Cover for stand-off mounting



Hold-down clamp for barrier strip fastening

VA 2B

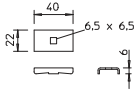


Type	Pack Piece	Weight kg/100 pc.	Item no.
KS KL A2	30	0.512	6062284

Hold-down clamp for screwless fastening of the barrier strip in cable ladders.

LKS 40 hold-down clamp

St FS FT

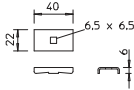


Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 40 FS	10	2.300	6221076
LKS 40 FT	10	2.400	6221084

Hold-down clamp for fastening cable ladders.
Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6 x 20.

LKS 40 hold-down clamp

VA 2B

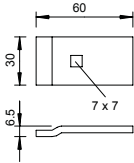


Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 40 A2	10	2.300	6017134

Hold-down clamp for fastening cable ladders.
Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the supplied FRS M6 x 20 fastening bolt.

LKS 60/4 hold-down clamp

St FT

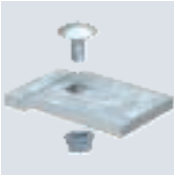
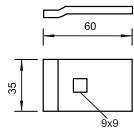


Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 60 4 FT	10	6.500	6221122

Hold-down clamp for fastening cable ladders.
Fastening on brackets, type MWA 12, AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.

LKS 60/5 hold-down clamp

St FT



Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 60 5 FT	10	10.000	6232485

Hold-down clamp for fastening wide span cable ladders.
Fastening on bracket, type AW 80, and AWSS using the enclosed truss-head bolt FRS M8x20.



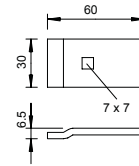
VA VA 2B

LKS 60/4 hold-down clamp

Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 60 4 A2	10	8.000	6221130
LKS 60 4 A4	10	6.363	6221157

Hold-down clamp for fastening cable ladders.

Fastening on brackets, type AW 15, AW 30 and AW 55, using the enclosed truss-head bolt FRS M6x20.



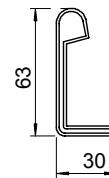
Protective caps

PE

Protective cap 60

Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKH 60 OR	Pastel orange	40	1.072	6222537

Protective cap to cover cable ladder ends of side height 60 mm.

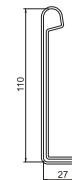


PE

End cap 110

Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKH 110 OR	Pastel orange	20	1.345	6222553

End cap to cover cable ladder ends of side height 110 mm

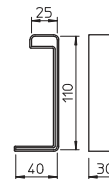
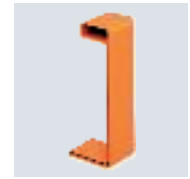


PVC

End cap 110

Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKHW 110 OR	Pastel orange	20	4.400	6310398

End cap to cover the ends of wide span cable ladders.



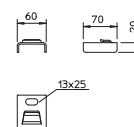
Connection component

St FT

Connection component

Type	Pack Piece	Weight kg/100 pc.	Item no.
ABL FT	20	14.300	6221467

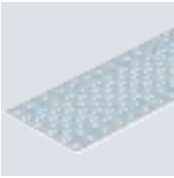
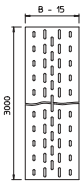
The connection component is the connection between the threaded rod lock and the suspension system for the routing types with cable ladders that maintain electrical function to DIN 4102 Part 12. It is attached to the under-belt of the ladder rail at a distance of max. 100 mm from the bracket. When the threaded rod has been mounted, the connection component is secured against slipping.



Insertion plates

ELB-L insertion plate

St DD



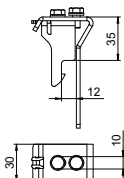
Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
ELB-L 20 DD	200	1.00	3000	3	88.500	6103352
ELB-L 30 DD	300	1.00	3000	3	137.400	6103356
ELB-L 40 DD	400	1.00	3000	3	186.300	6103360
ELB-L 50 DD	500	1.00	3000	3	235.200	6103364
ELB-L 60 DD	600	1.00	3000	3	285.180	6103368

Insert plate for use in cable ladders.
For the fastening in wide span cable ladders use truss-head bolts with the combination nut of type FR SB 6x30.

Spacer

Spacer for cover

VA 2B

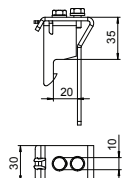


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
AH 35 A2	35	8	14.100	6065475

Spacers for stand-off cover mounting on cable trays and cable ladders. Space height 35 mm, stainless steel 1.4301.

Spacer for cover

VA 2B



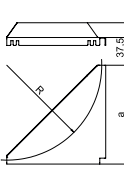
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
AH 35 WS A2	35	8	14.500	6065477

Spacer for stand-off mounting of covers on wide span cable trays and wide span cable ladders. Space height 35 mm, stainless steel 1.4301.

Corner plate

St FS DD

Corner plate



Type	Radius mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LEB 25 FS	250	250	1	64.300	6221203
LEB 50 FS	500	500	1	209.300	6221246
LEB 25 DD	250	250	1	63.600	6221216
LEB 50 DD	500	500	1	205.500	6221259

Corner plate to increase the radius and the cable supporting surface.

VA VA

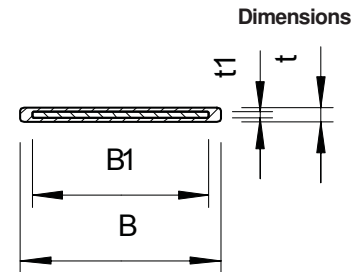
SBF 8 tightening strap in fixed lengths

Type	Length mm	Avg. breaking load kN	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SBF 8-200 A2K	200	1.16	Jet black	25	0.700	6490210
SBF 8-300 A2K	300	1.16	Jet black	25	1.000	6490214
SBF 8-400 A2K	400	1.16	Jet black	25	1.300	6490218
SBF 8-500 A2K	500	1.16	Jet black	25	1.600	6490222
SBF 8-600 A2K	600	1.16	Jet black	25	1.800	6490226
SBF 8-200 A4K	200	1.09	Chestnut brown	25	0.700	6490240
SBF 8-300 A4K	300	1.09	Chestnut brown	25	1.000	6490244
SBF 8-400 A4K	400	1.09	Chestnut brown	25	1.300	6490248
SBF 8-500 A4K	500	1.09	Chestnut brown	25	1.600	6490252
SBF 8-600 A4K	600	1.09	Chestnut brown	25	1.800	6490256



Pre-terminated tightening strap made of rustproof steel with plastic jacketing and tightening strap lock.

Type	Dim. B mm	Dim. t mm	Dimen- sion B1 mm	Dimen- sion t1 mm
SBF 8-200 A2K	9.3	1	8	0.3
SBF 8-300 A2K	9.3	1	8	0.3
SBF 8-400 A2K	9.3	1	8	0.3
SBF 8-500 A2K	9.3	1	8	0.3
SBF 8-600 A2K	9.3	1	8	0.3



St VA VA FSK

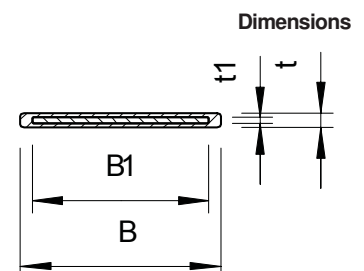
SBF 15 tightening strap in fixed lengths

Type	Length mm	Avg. breaking load kN	Colour	Pack Piece	Weight kg/100 pc.	Item no.
SBF 15-300 FSK	300	2.5	Stone grey	25	2.600	6490300
SBF 15-400 FSK	400	2.5	Stone grey	25	3.300	6490304
SBF 15-500 FSK	500	2.5	Stone grey	25	4.100	6490308
SBF 15-600 FSK	600	2.5	Stone grey	25	4.800	6490312
SBF 15-700 FSK	700	2.5	Stone grey	25	5.500	6490316
SBF 15-800 FSK	800	2.5	Stone grey	25	6.200	6490320
SBF 15-900 FSK	900	2.5	Stone grey	25	6.900	6490324
SBF 15-1000 FSK	1000	2.5	Stone grey	25	7.600	6490328
SBF 15-300 A2K	300	4.19	Jet black	25	2.600	6490340
SBF 15-400 A2K	400	4.19	Jet black	25	3.300	6490344
SBF 15-500 A2K	500	4.19	Jet black	25	4.100	6490348
SBF 15-600 A2K	600	4.19	Jet black	25	4.800	6490352
SBF 15-700 A2K	700	4.19	Jet black	25	5.500	6490356
SBF 15-800 A2K	800	4.19	Jet black	25	6.200	6490360
SBF 15-900 A2K	900	4.19	Jet black	25	6.900	6490364
SBF 15-1000 A2K	1000	4.19	Jet black	25	7.600	6490368
SBF 15-300 A4K	300	3.93	Chestnut brown	25	2.600	6490380
SBF 15-400 A4K	400	3.93	Chestnut brown	25	3.300	6490384
SBF 15-500 A4K	500	3.93	Chestnut brown	25	4.100	6490388
SBF 15-600 A4K	600	3.93	Chestnut brown	25	4.800	6490392
SBF 15-700 A4K	700	3.93	Chestnut brown	25	5.500	6490396
SBF 15-800 A4K	800	3.93	Chestnut brown	25	6.200	6490400
SBF 15-900 A4K	900	3.93	Chestnut brown	25	6.900	6490404
SBF 15-1000 A4K	1000	3.93	Chestnut brown	25	7.600	6490408



Pre-terminated tightening strap made of strip-galvanised steel with plastic jacketing and tightening strap lock.

Type	Dim. B mm	Dim. t mm	Dimen- sion B1 mm	Dimen- sion t1 mm
SBF 15-300 FSK	17	1.2	15	0.5
SBF 15-400 FSK	17	1.2	15	0.5
SBF 15-500 FSK	17	1.2	15	0.5
SBF 15-600 FSK	17	1.2	15	0.5
SBF 15-700 FSK	17	1.2	15	0.5
SBF 15-800 FSK	17	1.2	15	0.5
SBF 15-900 FSK	17	1.2	15	0.5
SBF 15-1000 FSK	17	1.2	15	0.5



Tightening strap

SBR 8 tightening strap

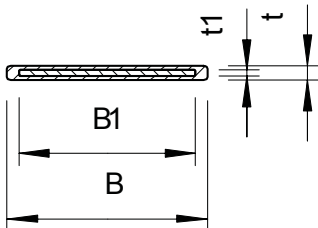
VA VA



Type	Avg. breaking load kN	Colour	Pack m	Weight kg/100 m	Item no.
SBR 8 A2K	1.16	Jet black	40	1.704	6490192
SBR 8 A4K	1.09	Chestnut brown	40	1.704	6490194

Tightening strap made of rustproof steel with plastic jacketing to fasten cables on cable support systems.

Dimensions



Type	Dim. B mm	Dim. t mm	Dimen- sion B1 mm	Dimen- sion t1 mm
SBR 8 A2K	9.3	1	8	0.3

SBR 15 tightening strap

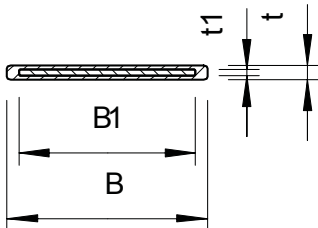
St VA VA FSK



Type	Avg. breaking load kN	Colour	Pack m	Weight kg/100 m	Item no.
SBR 15 FSK	2.5	Stone grey	25	7.628	6490280
SBR 15 A2K	4.19	Jet black	25	7.628	6490282
SBR 15 A4K	3.93	Chestnut brown	25	7.628	6490284

Tightening strap made of strip-galvanised steel with plastic jacketing to fasten cables on cable support systems.

Dimensions



Type	Dim. B mm	Dim. t mm	Dimen- sion B1 mm	Dimen- sion t1 mm
SBR 15 FSK	17	1.2	15	0.5

Tightening strap locks

SBV 8 tightening strap lock

St VA VA FS 2B



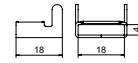
Type	Pack Piece	Weight kg/100 pc.	Item no.
SBV 8 FS	100	0.250	6490940
SBV 8 A2	100	0.250	6490942
SBV 8 A4	100	0.250	6490944

Tightening strap lock made of strip-galvanised steel, suitable for portfolio with 8 mm width.

St VA VA FS 2B

SBV 15 tightening strap lock

Type	Pack Piece	Weight kg/100 pc.	Item no.
SBV 15 FS	100	0.560	6490950
SBV 15 A2	100	0.564	6490964
SBV 15 A4	100	0.560	6490972



Tightening strap lock made of strip-galvanised steel, suitable for a range of products with a 15 mm width.

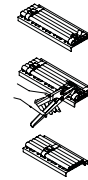
Spring chucks

St

Spring chuck

Type	Pack Piece	Weight kg/100 pc.	Item no.
575	1	29.700	6498019

Clamping tool for all OBO tightening straps in conjunction with appropriate tightening strap locks. Simple spring chuck without ratchet function and shortening unit. With ergonomically shaped grips.



St

Spring chuck

Type	Pack Piece	Weight kg/100 pc.	Item no.
576	1	132.000	6498027

Clamping tool for all OBO tightening straps in conjunction with appropriate tightening strap locks. With high clamping force, ratchet function, shortening unit and round grips for pleasant handling.



Ribbon clips

VA 2B

Metal strip clips, narrow

Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MBS 015	150	7	100	0.230	7203100
MBS 030	300	7	100	0.399	7203102
MBS 045	450	7	50	0.602	7203104
MBS 061	610	7	50	0.806	7203106

Metal strip clip in ladder form with single lock. For high-temperature and weatherproof fixing.



VA 2B

Metal strip clips, wide

Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MBS 075	750	12	25	2.300	7203108
MBS 100	1000	12	25	3.000	7203110
MBS 120	1200	12	25	3.600	7203112
MBS 150	1500	12	25	4.400	7203114

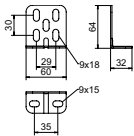
Metal strip clip in ladder form with single lock. For high-temperature and weatherproof fixing.





Fastening bracket BW 64

St FS

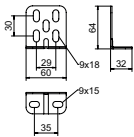


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
BW 64 32 FS	10	7.090	6019680

Light-duty fastening bracket of limb dimension 64 x 32 mm.

Fastening bracket BW 64

St FT

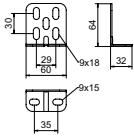


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
BW 64 32 FT	10	7.700	6019682

Light-duty fastening bracket of limb dimension 64 x 32 mm.

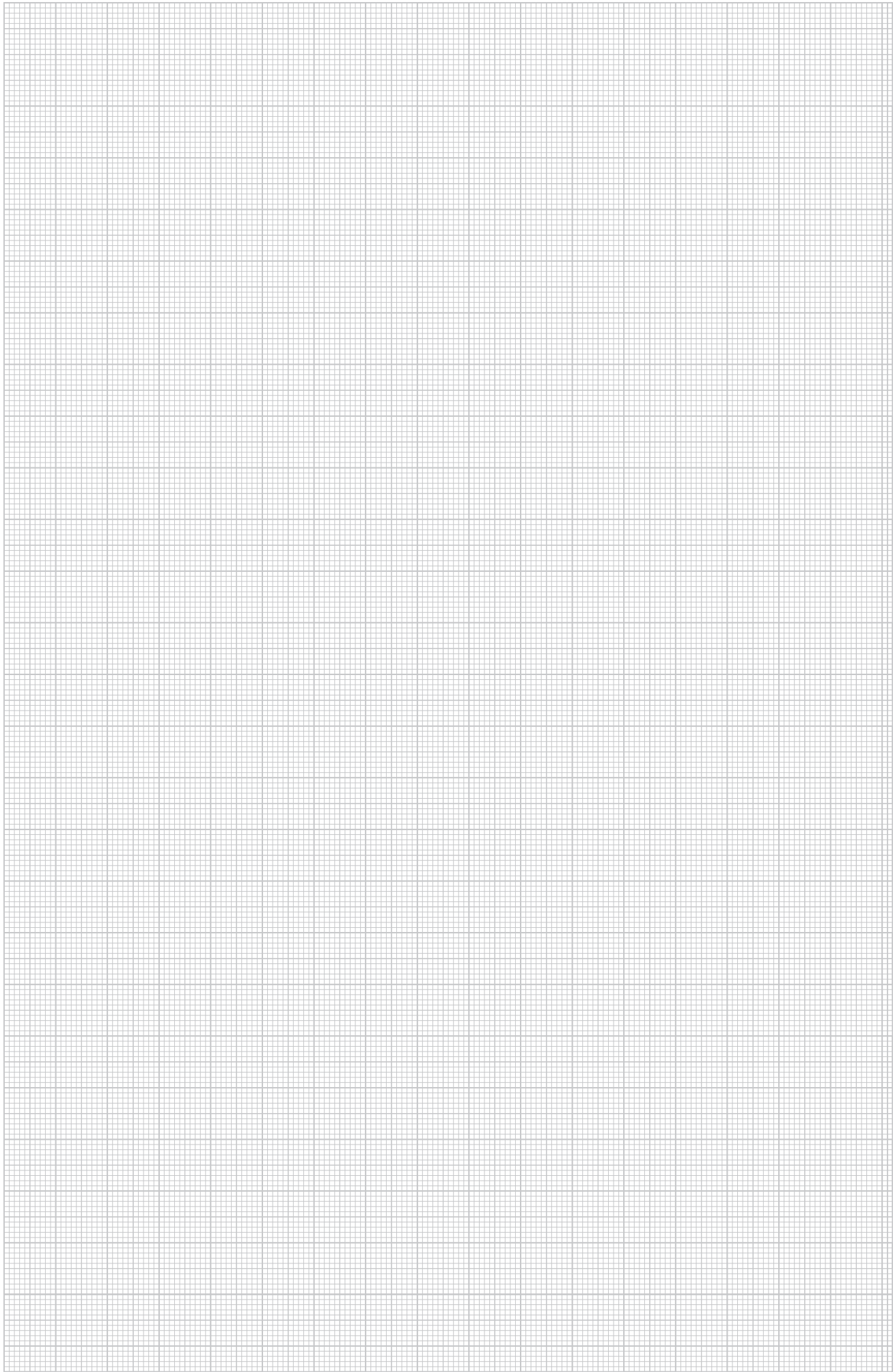
Fastening bracket BW 64

VA



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
BW 64 32 A2	10	7.090	6019686

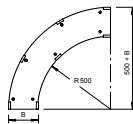
Light-duty fastening bracket of limb dimension 64 x 32 mm.





Cover for 90° bend WDBRL

St FS DD



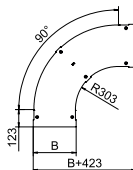
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WDBRL 90 20 FS	200	1.00	1	164.900	6231462
WDBRL 90 30 FS	300	1.00	1	263.000	6231470
WDBRL 90 40 FS	400	1.00	1	449.000	6231489
WDBRL 90 50 FS	500	1.00	1	595.000	6231497
WDBRL 90 60 FS	600	1.00	1	758.000	6231500
WDBRL 90 20 DD	200	1.00	1	165.100	6231527
WDBRL 90 30 DD	300	1.00	1	270.000	6231535
WDBRL 90 40 DD	400	1.00	1	548.000	6231543
WDBRL 90 50 DD	500	1.00	1	724.000	6231551
WDBRL 90 60 DD	600	1.00	1	945.000	6231578

As the connector is mounted from the outside, the fitting cover is 300 mm shorter than the corresponding fitting.
This must be considered when installing the track elements.

Cover for wide span 90° bend with pre-mounted turn buckles.

Cover for 90° bend LBD R3

St FS FT

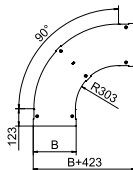


Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LBD 90 200 R3 FS	200	1.00	1	145.000	6225990
LBD 90 300 R3 FS	300	1.00	1	232.000	6225992
LBD 90 400 R3 FS	400	1.00	1	331.000	6225994
LBD 90 500 R3 FS	500	1.25	1	550.000	6225996
LBD 90 600 R3 FS	600	1.25	1	705.000	6225998
LBD 90 200 R3 FT	200	1.00	1	158.000	6226010
LBD 90 300 R3 FT	300	1.00	1	251.000	6226012
LBD 90 400 R3 FT	400	1.00	1	359.000	6226014
LBD 90 450 R3 FT	450	1.25	1	513.000	6226016
LBD 90 500 R3 FT	500	1.25	1	589.000	6226018
LBD 90 600 R3 FT	600	1.25	1	755.000	6226020

Cover with turn buckles for covering 90° cable ladder bends with welded rungs.

Cover for 90° bend LBD R3

VA VA 2B



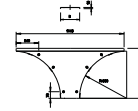
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LBD 90 200 R3 A2	200	1.00	1	158.000	6226050
LBD 90 300 R3 A2	300	1.00	1	246.000	6226052
LBD 90 400 R3 A2	400	1.00	1	346.000	6226054
LBD 90 500 R3 A2	500	1.25	1	568.000	6226056
LBD 90 600 R3 A2	600	1.25	1	725.000	6226058
LBD 90 200 R3 A4	200	1.00	1	159.000	6226070
LBD 90 300 R3 A4	300	1.00	1	248.000	6226072
LBD 90 400 R3 A4	400	1.00	1	350.000	6226074
LBD 90 500 R3 A4	500	1.25	1	575.000	6226076
LBD 90 600 R3 A4	600	1.25	1	734.000	6226078

Cover with turn buckles for covering 90° cable ladder bends with welded rungs.

St FS DD

Cover for add-on tee WAAD

Type	Width mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WAAD 200 FS	200	1.50	1	206.100	6231900
WAAD 300 FS	300	1.50	1	247.300	6231904
WAAD 400 FS	400	1.50	1	427.100	6231908
WAAD 500 FS	500	1.50	1	489.600	6231912
WAAD 600 FS	600	1.50	1	552.100	6231916
WAAD 200 DD	200	1.50	1	206.100	6231922
WAAD 300 DD	300	1.50	1	247.300	6231926
WAAD 400 DD	400	1.50	1	427.100	6231930
WAAD 500 DD	500	1.50	1	489.600	6231934
WAAD 600 DD	600	1.50	1	552.100	6231938

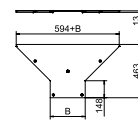


Cover for wide span add-on tee with pre-mounted turn buckles.

St FS FT

Cover for add-on tee LAAD R3

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAAD 200 R3 FS	200	1.00	1	171.000	6226310
LAAD 300 R3 FS	300	1.00	1	203.000	6226312
LAAD 400 R3 FS	400	1.00	1	303.000	6226314
LAAD 500 R3 FS	500	1.25	1	351.000	6226316
LAAD 600 R3 FS	600	1.25	1	397.000	6226318
LAAD 200 R3 FT	200	1.00	1	180.000	6226330
LAAD 300 R3 FT	300	1.00	1	219.000	6226332
LAAD 400 R3 FT	400	1.00	1	316.000	6226334
LAAD 450 R3 FT	450	1.25	1	341.000	6226336
LAAD 500 R3 FT	500	1.25	1	365.000	6226338
LAAD 600 R3 FT	600	1.25	1	414.000	6226340



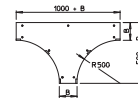
Cover with turn buckles for covering add-on tee with welded rungs.

Lid, T piece

St DD

Cover for T WDTRL T branch piece

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
WDTRL 200 DD	200	1.00	1	400.000	6231667
WDTRL 300 DD	300	1.00	1	550.000	6231675
WDTRL 400 DD	400	1.00	1	1,085.000	6231683
WDTRL 500 DD	500	1.25	1	1,419.200	6231691
WDTRL 600 DD	600	1.25	1	1,729.500	6231705



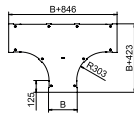
As the connector is mounted from the outside, the fitting cover is 300 mm shorter than the corresponding fitting.
This must be considered when installing the track elements.

Cover for wide span tee with pre-mounted turn buckles.



Cover for LTD R3 T piece

St FS FT

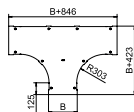


Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LTD 200 R3 FS	200	1.00	1	274.000	6226100
LTD 300 R3 FS	300	1.00	1	413.000	6226102
LTD 400 R3 FS	400	1.00	1	567.000	6226104
LTD 500 R3 FS	500	1.25	1	737.000	6226106
LTD 600 R3 FS	600	1.25	1	922.000	6226108
LTD 200 R3 FT	200	1.00	1	298.000	6226120
LTD 300 R3 FT	300	1.00	1	450.000	6226122
LTD 400 R3 FT	400	1.00	1	617.000	6226124
LTD 450 R3 FT	450	1.25	1	696.000	6226126
LTD 500 R3 FT	500	1.25	1	775.000	6226128
LTD 600 R3 FT	600	1.25	1	989.000	6226130
LTD 1000 R3 FT	1000	1.25	1	2,488.000	6226138
LTD 1200 R3 FT	1200	1.25	1	3,222.000	6226142

Cover with turn buckles for covering T pieces with welded rungs.

Cover for LTD R3 T piece

VA VA 2B



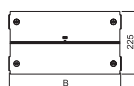
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LTD 200 R3 A2	200	1.00	1	287.000	6226160
LTD 300 R3 A2	300	1.00	1	429.000	6226162
LTD 400 R3 A2	400	1.00	1	585.000	6226164
LTD 500 R3 A2	500	1.25	1	757.000	6226166
LTD 600 R3 A2	600	1.25	1	943.000	6226168
LTD 200 R3 A4	200	1.00	1	291.000	6226180
LTD 300 R3 A4	300	1.00	1	434.000	6226182
LTD 400 R3 A4	400	1.00	1	592.000	6226184
LTD 500 R3 A4	500	1.25	1	766.000	6226186
LTD 600 R3 A4	600	1.25	1	955.000	6226188

Cover with turn buckles for covering T pieces with welded rungs.

Lid, adjustable bend element

Cover for LGBED adjustable vertical bend element

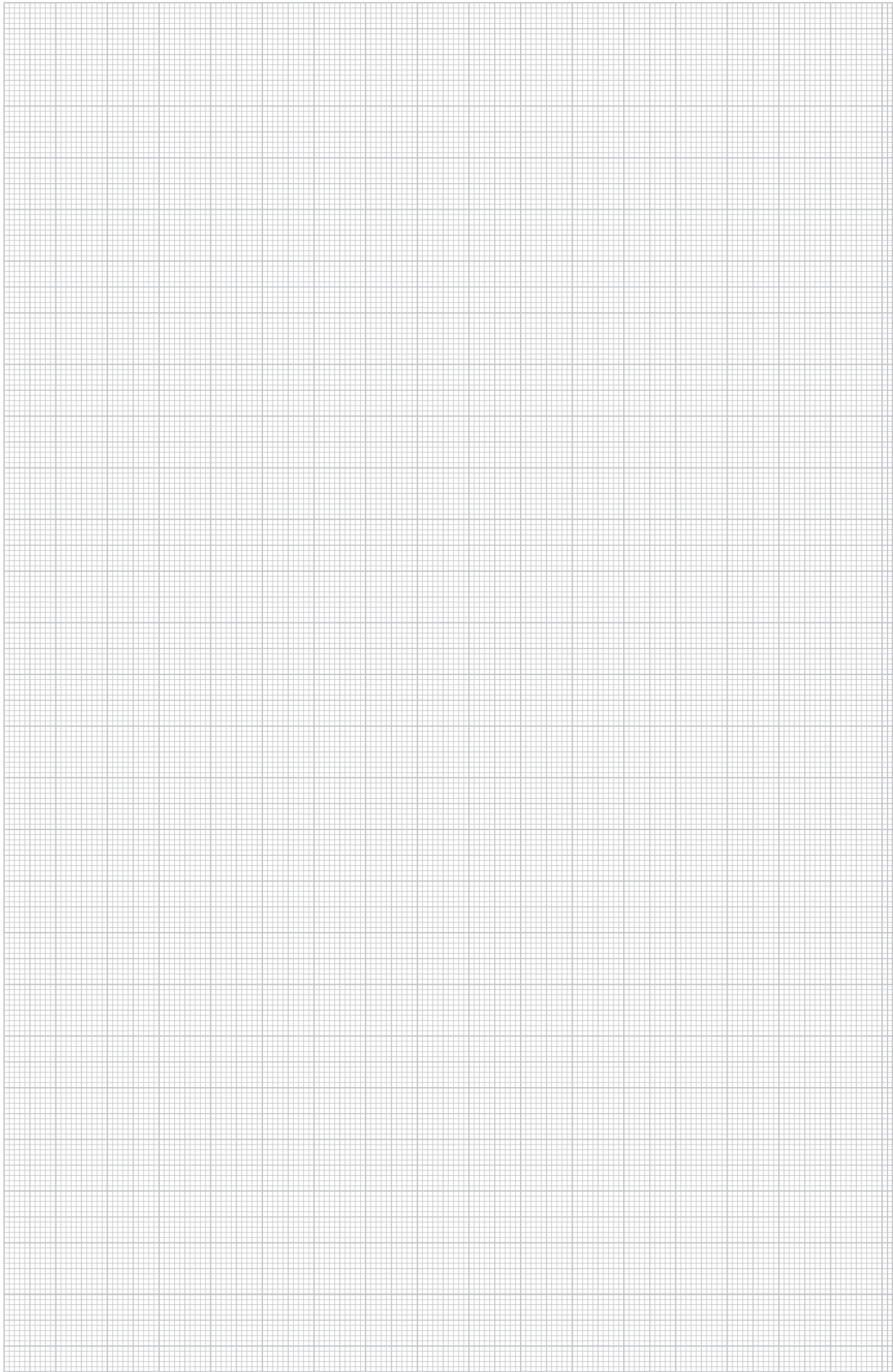
St FS FT



Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBED 200 FS	200	1.00	1	42.000	6226210
LGBED 300 FS	300	1.00	1	60.000	6226212
LGBED 400 FS	400	1.00	1	78.000	6226214
LGBED 500 FS	500	1.25	1	117.000	6226216
LGBED 600 FS	600	1.25	1	139.000	6226218
LGBED 200 FT	200	1.00	1	45.000	6226230
LGBED 300 FT	300	1.00	1	65.000	6226232
LGBED 400 FT	400	1.00	1	85.000	6226234
LGBED 450 FT	450	1.25	1	113.000	6226236
LGBED 500 FT	500	1.25	1	125.000	6226238
LGBED 600 FT	600	1.25	1	149.000	6226240

Cover with sash locks for covering adjustable bends with welded rungs.





Support structures

Support structures

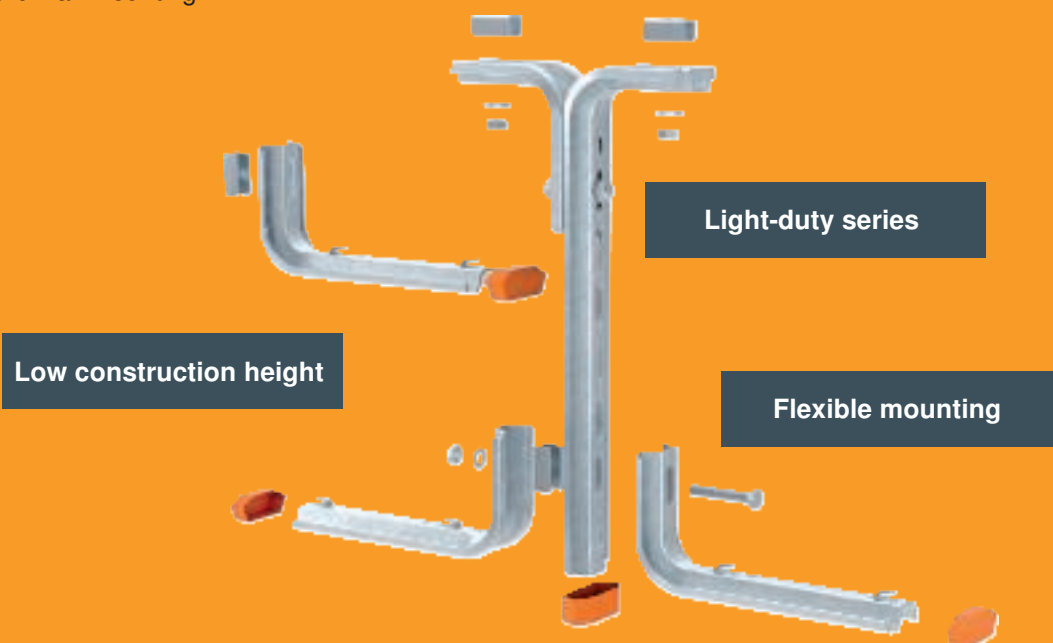
	Supports	312
	Connector, supports	338
	Accessories, supports	340
	Bracket	348
	Suspensions and clamps	376
	Cable support troughs	392
	Profile rails	404
	Clamp fastenings	444





TP supports and brackets

The TP system is a range of light-duty supports and brackets. This product range, which consists of TP suspended supports and brackets, can be used universally as ceiling and wall mounting.



TP systems

Installation principle



1	TP suspended support	TPS
2	TP support/wall and support brackets	TPS
3	Spacer	DS4
4	End cap	TPS KS OR

TP support



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

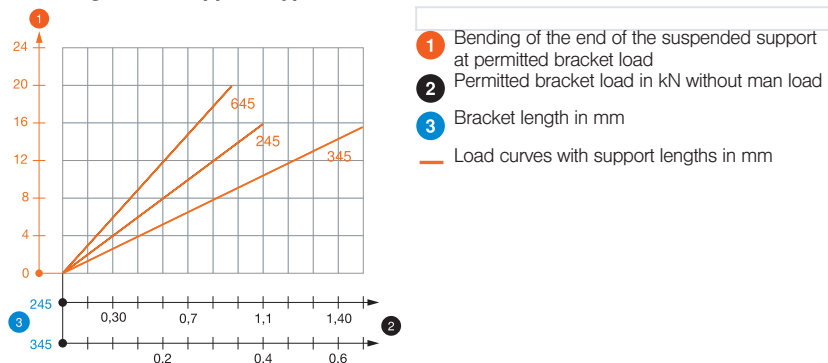
Important: only use brackets of length 345 mm or less.

TP support for fastening to horizontal concrete ceilings.

Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
TPS 445 FS	445	1	73.000	6364322
TPS 545 FS	545	1	80.000	6364349
TPS 645 FS	645	1	99.000	6364365

Load

Load diagram, TP supports, type TPS



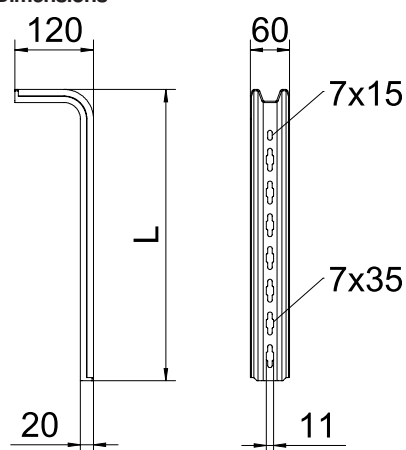
Characteristic anchor load values for TP support

Single-sided load				
		Max. load [kN]		
		Bracket width [mm]		
Anchor type		145	245	345
BZ-U 8-30-41/95	1,50		1,00	0,65
BZ-U 10-30-50/110	1,50		1,50	0,65

Double-sided load				
		Max. load [kN]		
		Bracket width [mm]		
Anchor type		145	245	345
BZ-U 8-30-41/95	1,50		1,50	1,20
BZ-U 10-30-50/110	1,50		1,50	1,50

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

Dimensions



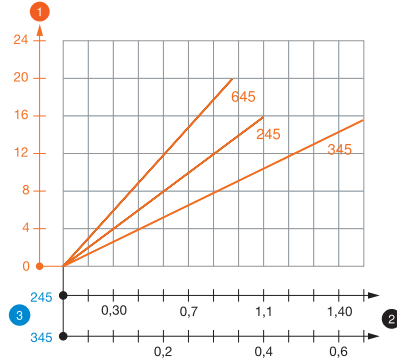
Type	Dim. L mm
TPS 445 FS	445
TPS 545 FS	545
TPS 645 FS	645

TP support

Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
TPS 445 FT	445	1	75.000	6364403
TPS 545 FT	545	1	89.000	6364500
TPS 645 FT	645	1	103.000	6364608

Load

Load diagram, TP support, type TPS



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

Characteristic anchor load values for TP support

Single-sided load		Max. load [kN]			
		Bracket width [mm]			
		145	245	345	
	Anchor type BZ-U 8-30-41/95	1,50	1,00		0,65
	Anchor type BZ-U 10-30-50/110	1,50	1,50		0,65
Double-sided load		Max. load [kN]			
		Bracket width [mm]			
		145	245	345	
	Anchor type BZ-U 8-30-41/95	1,50	1,50		1,20
	Anchor type BZ-U 10-30-50/110	1,50	1,50		1,50

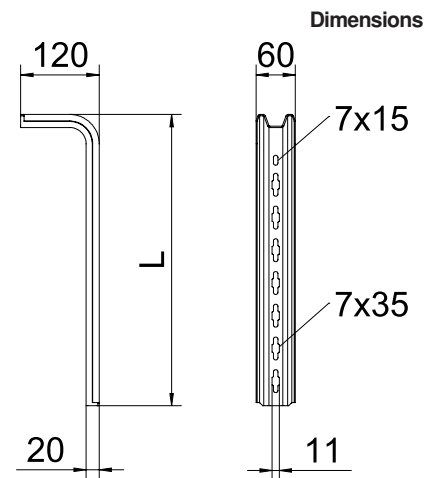
Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing $a_i = 17$ cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete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

Type	Dim. L mm
TPS 445 FT	445
TPS 545 FT	545
TPS 645 FT	645



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

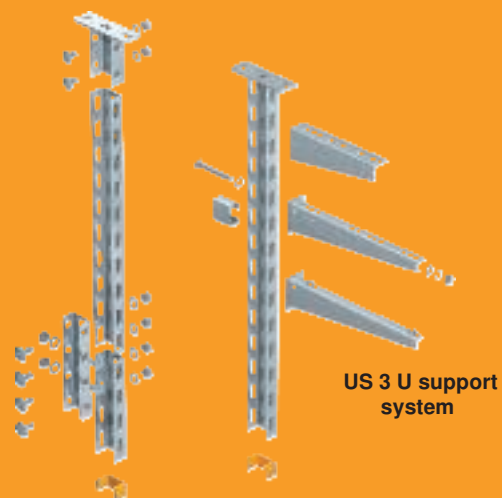
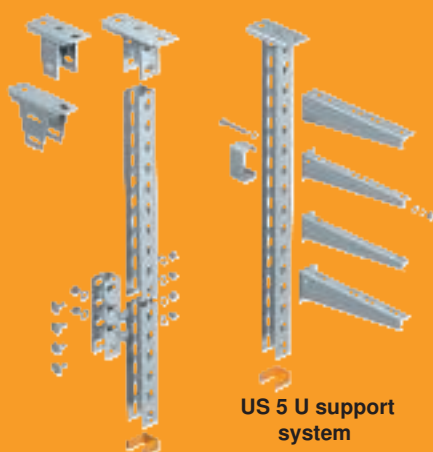
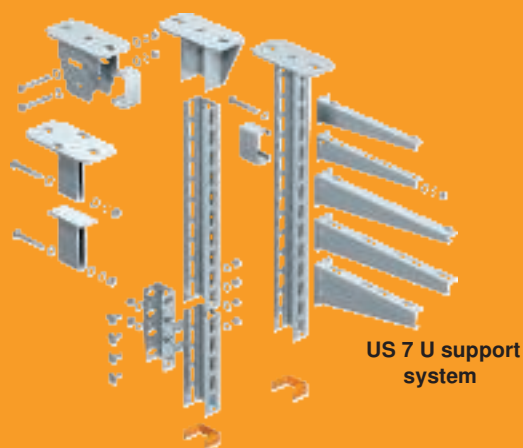
TP support for fastening to horizontal concrete ceilings.





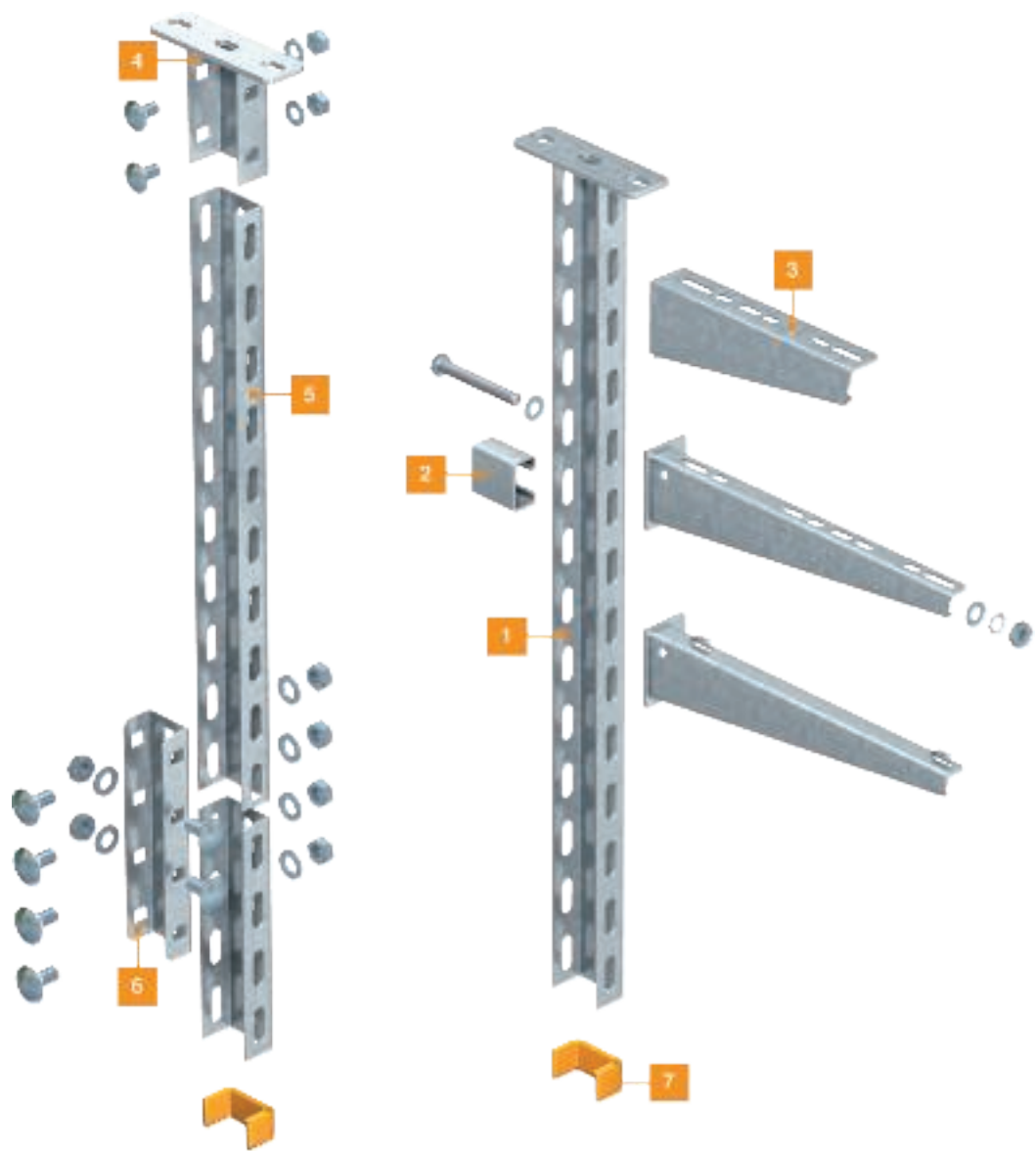
U support family

The perfectly matched U support family consists of US 3 (light-duty system), US 5 (medium-duty system) and US 7 (heavy-duty system). The U support range is particularly noted for its versatility. The U supports can be used as ceiling suspension, floor stand-off or as construction profiles.



US 3 U support system

Installation principle



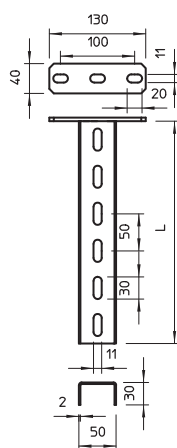
1	US 3 suspended support	US 3 K
2	Spacer	DSK
3	Wall and support bracket	MWA 12, MWAM 12, MWAG 12, AW 15, AWg 15, AW 30, AW 55
4	Head plate	KU 3
5	US 3 support	US 3
6	U support connector	VUS 3
7	End cap	US 3 KS OR

US 3 support



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

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



Type	Length mm	Material thickness mm	Tensile load kN	BS	Pack Piece	Weight kg/100 pc.	Item no.
US 3 K 20 FT	200	2	5	🔥	1	50.500	6342351
US 3 K 30 FT	300	2	5	🔥	1	64.400	6342353
US 3 K 40 FT	400	2	5	🔥	1	78.300	6342355
US 3 K 50 FT	500	2	5	🔥	1	92.300	6342357
US 3 K 60 FT	600	2	5	🔥	1	106.200	6342359
US 3 K 70 FT	700	2	5	🔥	1	120.200	6342362
US 3 K 80 FT	800	2	5	🔥	1	134.100	6342364
US 3 K 90 FT	900	2	5	🔥	1	147.800	6342366
US 3 K 100 FT	1000	2	5	🔥	1	162.000	6342368
US 3 K 110 FT	1100	2	5	🔥	1	175.900	6342370
US 3 K 120 FT	1200	2	5	🔥	1	189.900	6342372

Load

				Testing of the bending torque on the ceiling plate		
Item on test				US 3 K 80		
Deformation measuring point m						
Length L				800 mm		
Force F				0.462 kN		
Bending torque M1 (SWL)				370 Nm		
According to IEC 61537, Chapter 10.8.2.1						
				Testing of the tensile strength		
Item on test				US 3 K 80		
Deformation measuring point m						
Force F (SWL)				20 kN		
According to IEC 61537, Chapter 10.8.2.2						
				Testing of the bending torque on the support with bracket		
Item on test				US 3 K 80	US 3 K 120	
Deformation measuring point m				AW 15 31	AW 15 31	
A1 lever arm				310 mm	310 mm	
A2 lever arm				10 mm	10 mm	
Length L				500 mm	1,000 mm	
Force F				0.947 kN	0.790 kN	
Bending torque M2 (SWL)				180 Nm	150 Nm	
According to IEC 61537, Chapter 10.8.2.3						
				Testing of the bending torque on the support with bracket with spacer		
Item on test				US 3 K 80	US 3 K 120	
Deformation measuring point m				AW 15 61	AW 15 61	
A1 lever arm				610 mm	610 mm	
A2 lever arm				10 mm	10 mm	
Length L				500 mm	1,000 mm	
Force F				0.850 kN	0.850 kN	
Bending torque M2 (SWL)				290 Nm	290 Nm	
According to IEC 61537, Chapter 10.8.2.3, without spacer						

US 3 support

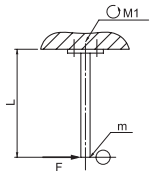
Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 3 K 20 A2	200	2	5	1	44.000	6342401
US 3 K 30 A2	300	2	5	1	58.000	6342403
US 3 K 40 A2	400	2	5	1	71.000	6342405
US 3 K 50 A2	500	2	5	1	84.000	6342407
US 3 K 60 A2	600	2	5	1	97.000	6342409
US 3 K 70 A2	700	2	5	1	110.000	6342411
US 3 K 80 A2	800	2	5	1	123.000	6342413
US 3 K 90 A2	900	2	5	1	137.000	6342415
US 3 K 100 A2	1000	2	5	1	150.000	6342417

Load

Testing of the bending torque on the ceiling plate

Item on test	US 3 K 80
Deformation measuring point m	
Length L	800 mm
Force F	0.462 kN
Bending torque M1 (SWL)	370 Nm

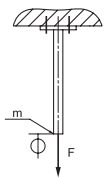
According to IEC 61537, Chapter 10.8.2.1



Testing of the tensile strength

Item on test	US 3 K 80
Deformation measuring point m	
Force F (SWL)	20 kN

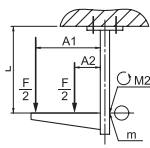
According to IEC 61537, Chapter 10.8.2.2



Testing of the bending torque on the support with bracket

Item on test	US 3 K 80	US 3 K 120
	AW 15 31	AW 15 31
Deformation measuring point m		
A1 lever arm	310 mm	310 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1.000 mm
Force F	0.947 kN	0.790 kN
Bending torque M2 (SWL)	180 Nm	150 Nm

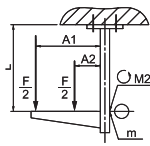
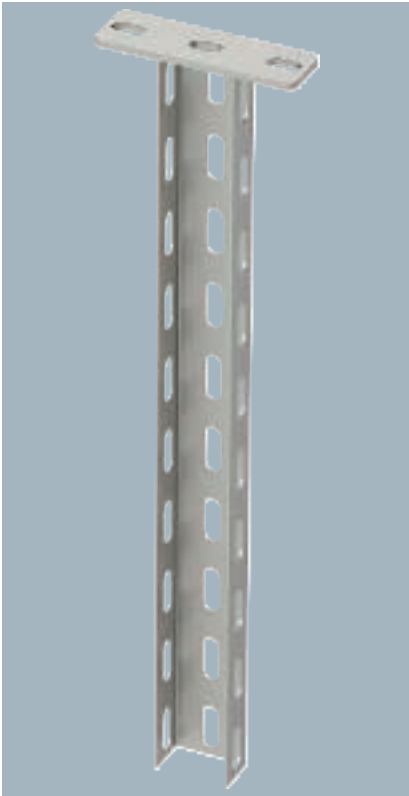
According to IEC 61537, Chapter 10.8.2.3



Testing of the bending torque on the support with bracket with spacer

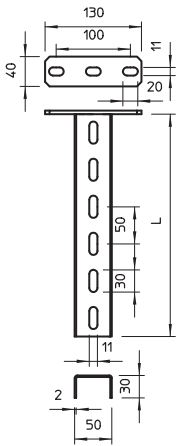
Item on test	US 3 K 80	US 3 K 120
	AW 15 61	AW 15 61
Deformation measuring point m		
A1 lever arm	610 mm	610 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1.000 mm
Force F	0.850 kN	0.850 kN
Bending torque M2 (SWL)	290 Nm	290 Nm

According to IEC 61537, Chapter 10.8.2.3, without spacer

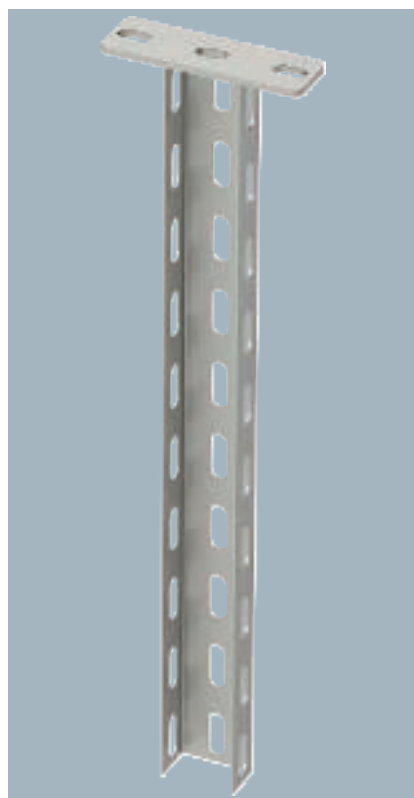


For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

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

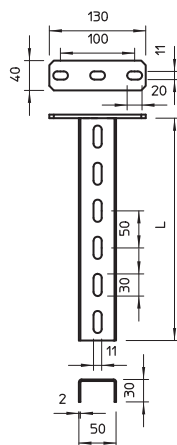


US 3 support



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

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



Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 3 K 20 A4	200	2	5	1	44.000	6342375
US 3 K 40 A4	400	2	5	1	71.000	6342379
US 3 K 50 A4	500	2	5	1	84.000	6342381
US 3 K 60 A4	600	2	5	1	97.000	6342389
US 3 K 70 A4	700	2	5	1	110.000	6342391
US 3 K 80 A4	800	2	5	1	123.000	6342393
US 3 K 90 A4	900	2	5	1	137.000	6342395
US 3 K 100 A4	1000	2	5	1	150.000	6342397
US 3 K 110 A4	1100	2	5	1	166.000	6342396
US 3 K 120 A4	1200	2	5	1	110.000	6342398

Load

Testing of the bending torque on the ceiling plate

Item on test	US 3 K 80
Deformation measuring point m	
Length L	800 mm
Force F	0.462 kN
Bending torque M1 (SWL)	370 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 3 K 80
Deformation measuring point m	
Force F (SWL)	20 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

Item on test	US 3 K 80	US 3 K 120
	AW 15 31	AW 15 31
Deformation measuring point m		
A1 lever arm	310 mm	310 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	0.947 kN	0.790 kN
Bending torque M2 (SWL)	180 Nm	150 Nm

According to IEC 61537, Chapter 10.8.2.3

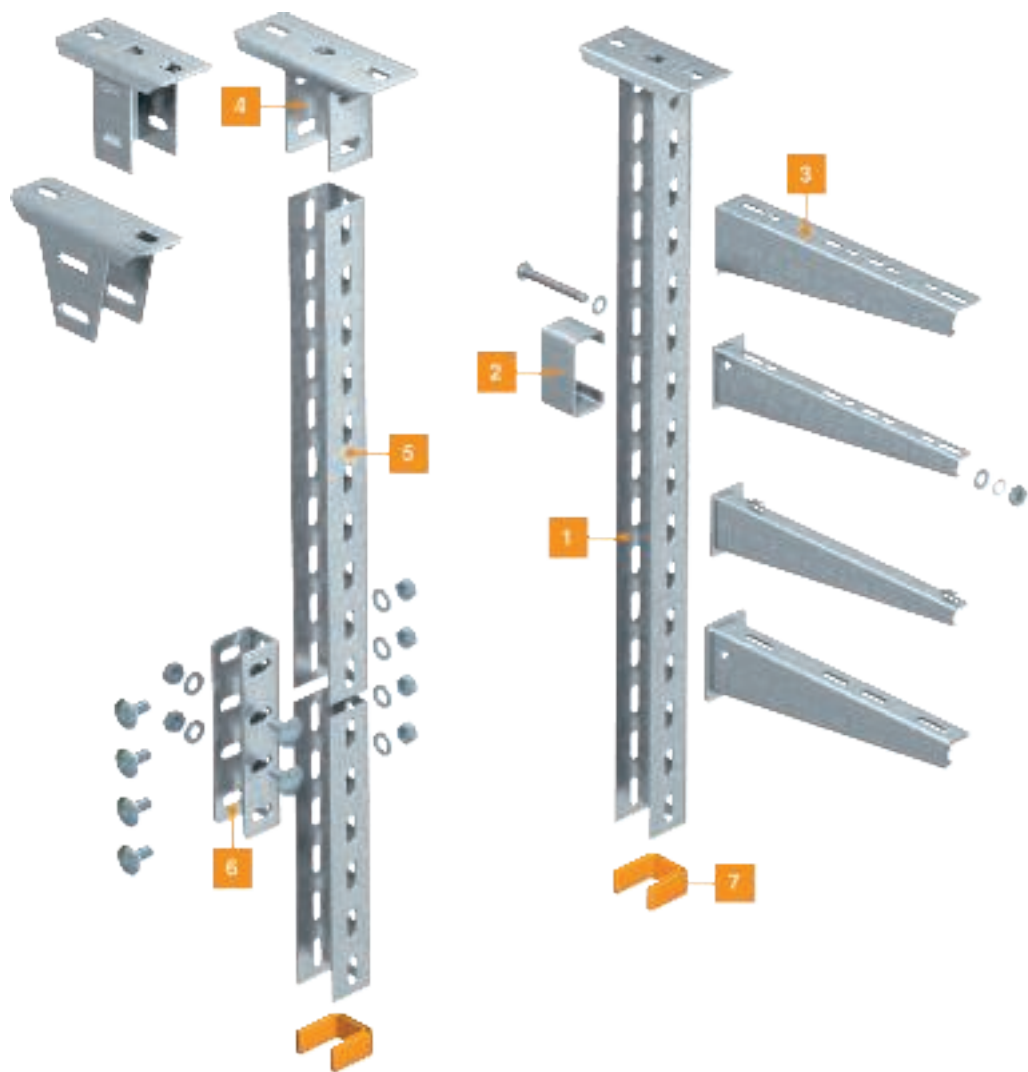
Testing of the bending torque on the support with bracket with spacer

Item on test	US 3 K 80	US 3 K 120
	AW 15 61	AW 15 61
Deformation measuring point m		
A1 lever arm	610 mm	610 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	0.850 kN	0.850 kN
Bending torque M2 (SWL)	290 Nm	290 Nm

According to IEC 61537, Chapter 10.8.2.3, without spacer

US 5 U support system

Installation principle



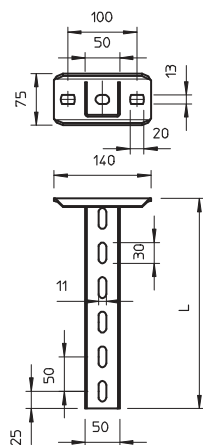
1	US 5 suspended support	US 5 K
2	Spacer	DSk 47
3	Wall and support bracket	MWA 12, MWAM 12, MWAG 12, AW 15, AWg 15, AW 30, AW 55
4	Head plate	KUS 5
5	US 5 support	US 5
6	U support connector	VUS 5
7	End cap	US 5 KS OR

US 5 support



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

U support of dimensions 50 x 50 mm with welded head plate.



Type	Length mm	Material thickness mm	Tensile load kN	BS	Pack Piece	Weight kg/100 pc.	Item no.
US 5 K 20 FT	200	2.5	10	🔥	1	85.000	6341527
US 5 K 30 FT	300	2.5	10	🔥	1	110.000	6341535
US 5 K 40 FT	400	2.5	10	🔥	1	136.000	6341543
US 5 K 50 FT	500	2.5	10	🔥	1	161.000	6341551
US 5 K 60 FT	600	2.5	10	🔥	1	185.000	6341578
US 5 K 70 FT	700	2.5	10	🔥	1	210.000	6341586
US 5 K 80 FT	800	2.5	10	🔥	1	236.000	6341594
US 5 K 90 FT	900	2.5	10	🔥	1	261.000	6341608
US 5 K 100 FT	1000	2.5	10	🔥	1	286.000	6341616
US 5 K 110 FT	1100	2.5	10	🔥	1	311.000	6341624
US 5 K 120 FT	1200	2.5	10	🔥	1	337.000	6341632

Load

Testing of the bending torque on the ceiling plate

Item on test	US 5 K 80
Deformation measuring point m	
Length L	800 mm
Force F	0.950 kN
Bending torque M1 (SWL)	760 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 5 K 80
Deformation measuring point m	
Force F (SWL)	26 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

Item on test	US 5 K 80	US 5 K 120
	AW 30 31 FT	AW 30 31 FT
Deformation measuring point m		
A1 lever arm	310 mm	310 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.253 kN	1.358 kN
Bending torque M2 (SWL)	240 Nm	260 Nm

According to IEC 61537, Chapter 10.8.2.3

Testing of the bending torque on the support with bracket with spacer

Item on test	US 5 K 80	US 5 K 120
	AW 30 71 FT	AW 30 71 FT
Deformation measuring point m		
A1 lever arm	710 mm	710 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.272 kN	1.094 kN
Bending torque M2 (SWL)	500 Nm	430 Nm

According to IEC 61537, Chapter 10.8.2.3

US 5 support

Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 5 K 20 A2	200	2.5	10	1	100.000	6341358
US 5 K 30 A2	300	2.5	10	1	125.000	6341362
US 5 K 40 A2	400	2.5	10	1	150.000	6341366
US 5 K 50 A2	500	2.5	10	1	175.000	6341370
US 5 K 60 A2	600	2.5	10	1	200.000	6341374
US 5 K 70 A2	700	2.5	10	1	225.000	6341378
US 5 K 80 A2	800	2.5	10	1	255.000	6341382
US 5 K 90 A2	900	2.5	10	1	280.000	6341386
US 5 K 100 A2	1000	2.5	10	1	300.000	6341390
US 5 K 110 A2	1100	2.5	10	1	330.000	6341394
US 5 K 120 A2	1200	2.5	10	1	360.000	6341398

Load

Testing of the bending torque on the ceiling plate

Item on test	US 5 K 80
Deformation measuring point m	
Length L	800 mm
Force F	0.950 kN
Bending torque M1 (SWL)	760 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 5 K 80
Deformation measuring point m	
Force F (SWL)	26 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

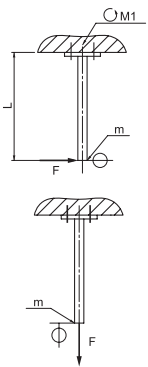
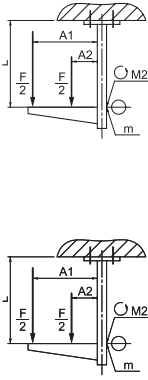
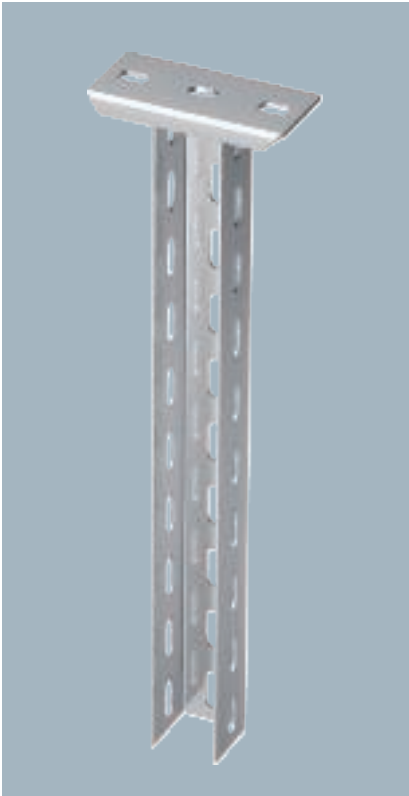
Item on test	US 5 K 80	US 5 K 120
	AW 30 31	AW 30 31
Deformation measuring point m		
A1 lever arm	310 mm	310 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.253 kN	1.358 kN
Bending torque M2 (SWL)	240 Nm	260 Nm

According to IEC 61537, Chapter 10.8.2.3

Testing of the bending torque on the support with bracket with spacer

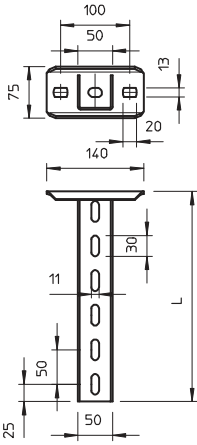
Item on test	US 5 K 80	US 5 K 120
	AW 30 71	AW 30 71
Deformation measuring point m		
A1 lever arm	710 mm	710 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.272 kN	0.950 kN
Bending torque M2 (SWL)	500 Nm	430 Nm

According to IEC 61537, Chapter 10.8.2.3



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

Suspended support (U profile) with welded head plate.

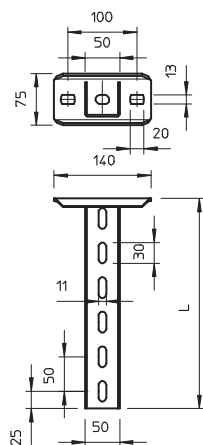


US 5 support



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

Suspended support (U profile) with welded head plate.



Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 5 K 20 A4	200	2.5	10	1	100.000	6341209
US 5 K 30 A4	300	2.5	10	1	125.000	6341213
US 5 K 40 A4	400	2.5	10	1	150.000	6341217
US 5 K 50 A4	500	2.5	10	1	175.000	6341221
US 5 K 60 A4	600	2.5	10	1	180.000	6341225
US 5 K 70 A4	700	2.5	10	1	225.000	6341228
US 5 K 80 A4	800	2.5	10	1	255.000	6341233
US 5 K 90 A4	900	2.5	10	1	280.000	6341237
US 5 K 100 A4	1000	2.5	10	1	300.000	6341241
US 5 K 110 A4	1100	2.5	10	1	330.000	6341245
US 5 K 120 A4	1200	2.5	10	1	360.000	6341249

Load

Testing of the bending torque on the ceiling plate

Item on test	US 5 K 80
Deformation measuring point m	
Length L	800 mm
Force F	0.950 kN
Bending torque M1 (SWL)	760 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 5 K 80
Deformation measuring point m	
Force F (SWL)	26 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

Item on test	US 5 K 80	US 5 K 120
	AW 30 31	AW 30 31
Deformation measuring point m		
A1 lever arm	310 mm	310 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.253 kN	1.358 kN
Bending torque M2 (SWL)	240 Nm	260 Nm

According to IEC 61537, Chapter 10.8.2.3

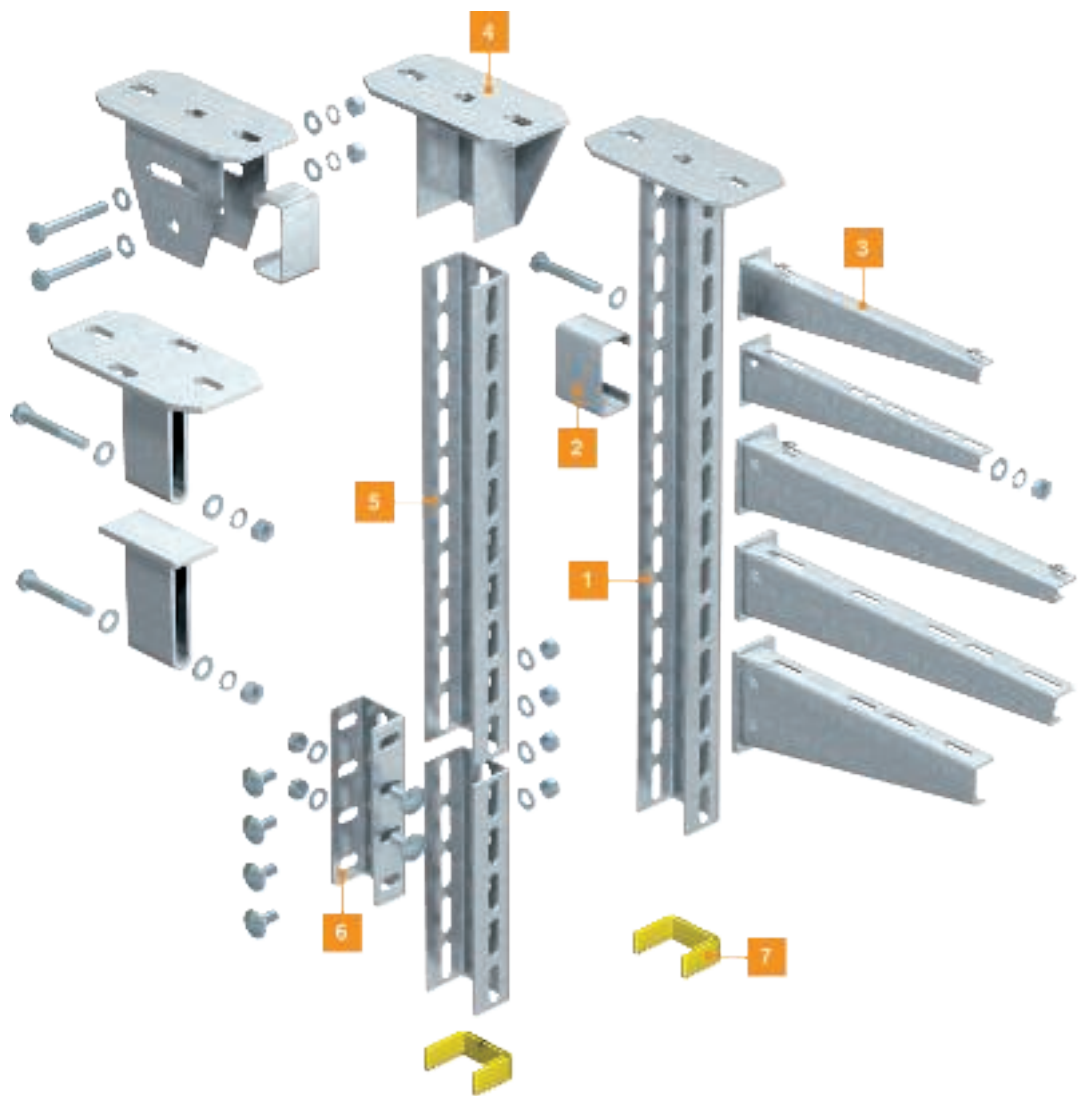
Testing of the bending torque on the support with bracket with spacer

Item on test	US 5 K 80	US 5 K 120
	AW 30 71	AW 30 71
Deformation measuring point m		
A1 lever arm	710 mm	710 mm
A2 lever arm	10 mm	10 mm
Length L	500 mm	1,000 mm
Force F	1.272 kN	0.950 kN
Bending torque M2 (SWL)	500 Nm	430 Nm

According to IEC 61537, Chapter 10.8.2.3

US 7 U support system

Installation principle



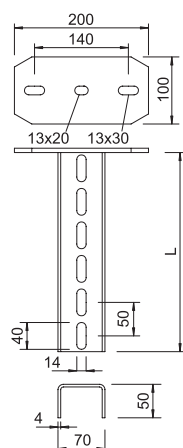
1	US 7 hanging support	US 7 K
2	Spacer	DSK 61
3	Wall and support bracket	MWA 12, MWAM 12, MWAG 12, AW 15, AWg 15, AW 30, AW 55
4	Head plate	KU 7 NOX
5	US 7 support	US 7
6	U support connector	VUS 7
7	End cap	US 7 KS OR

US 7 support



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.

Suspended support (U profile) of dimensions 70 x 50 mm with welded head plate.



Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 7 K 20 FT	200	4	11	1	177.000	6339018
US 7 K 30 FT	300	4	11	1	218.000	6339034
US 7 K 40 FT	400	4	11	1	261.000	6339050
US 7 K 50 FT	500	4	11	1	302.000	6339077
US 7 K 60 FT	600	4	11	1	344.000	6339093
US 7 K 70 FT	700	4	11	1	387.000	6339115
US 7 K 80 FT	800	4	11	1	418.000	6339131
US 7 K 90 FT	900	4	11	1	470.000	6339166
US 7 K 100 FT	1000	4	11	1	512.000	6339182
US 7 K 110 FT	1100	4	11	1	550.000	6339190
US 7 K 120 FT	1200	4	11	1	591.000	6339204
US 7 K 130 FT	1300	4	11	1	636.000	6339212
US 7 K 140 FT	1400	4	11	1	675.000	6339220
US 7 K 150 FT	1500	4	11	1	718.000	6339239
US 7 K 160 FT	1600	4	11	1	760.000	6339247
US 7 K 170 FT	1700	4	11	1	802.000	6339255
US 7 K 180 FT	1800	4	11	1	843.000	6339263
US 7 K 190 FT	1900	4	11	1	884.000	6339271
US 7 K 200 FT	2000	4	11	1	879.722	6339298
US 7 K 250 FT	2500	4	11	1	1,140.000	6339334
US 7 K 300 FT	3000	4	11	1	1,428.000	6339360

Load

Testing of the bending torque on the ceiling plate

Item on test	US 7 K 80
Deformation measuring point m	
Length L	800 mm
Force F	2.250 kN
Bending torque M1 (SWL)	1,800 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 7 K 80
Deformation measuring point m	
Force F (SWL)	45 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 30 31 FT	AW 30 31	AW 30 31
Deformation measuring point m			
A1 lever arm	310 mm	310 mm	310 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	2.169 kN	2.169 kN	1.985 kN
Bending torque M2 (SWL)	437 Nm	437 Nm	400 Nm

According to IEC 61537, Chapter 10.8.2.3

Testing of the bending torque on the support with bracket with spacer

Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 55 81 FT	AW 55 81 FT	AW 55 81 FT
Deformation measuring point m			
A1 lever arm	810 mm	810 mm	810 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	3.348 kN	2.659 kN	2.079 kN
Bending torque M2 (SWL)	1,530 Nm	1,530 Nm	1,530 Nm

According to IEC 61537, Chapter 10.8.2.3

US 7 support

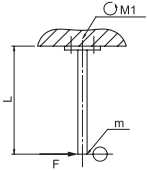
Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 7 K 20 A2	200	4	11	1	173.000	6338607
US 7 K 30 A2	300	4	11	1	213.000	6338615
US 7 K 40 A2	400	4	11	1	256.000	6338623
US 7 K 50 A2	500	4	11	1	296.000	6338631
US 7 K 60 A2	600	4	11	1	337.000	6338658
US 7 K 70 A2	700	4	11	1	377.000	6338666
US 7 K 80 A2	800	4	11	1	410.000	6338674
US 7 K 90 A2	900	4	11	1	459.000	6338682
US 7 K 100 A2	1000	4	11	1	491.000	6338690
US 7 K 110 A2	1100	4	11	1	531.000	6338704
US 7 K 120 A2	1200	4	11	1	571.000	6338712
US 7 K 140 A2	1400	4	11	1	650.000	6338739
US 7 K 150 A2	1500	4	11	1	690.000	6338747
US 7 K 200 A2	2000	4	11	1	889.000	6338801

Load

Testing of the bending torque on the ceiling plate

Item on test	US 7 K 80
Deformation measuring point m	
Length L	800 mm
Force F	2.250 kN
Bending torque M1 (SWL)	1,800 Nm

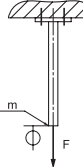
According to IEC 61537, Chapter 10.8.2.1



Testing of the tensile strength

Item on test	US 7 K 80
Deformation measuring point m	
Force F (SWL)	45 kN

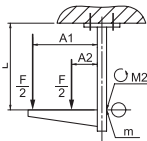
According to IEC 61537, Chapter 10.8.2.2



Testing of the bending torque on the support with bracket

Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 30 31	AW 30 31	AW 30 31
Deformation measuring point m			
A1 lever arm	310 mm	310 mm	310 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	2.169 kN	2.169 kN	1.985 kN
Bending torque M2 (SWL)	437 Nm	437 Nm	400 Nm

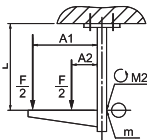
According to IEC 61537, Chapter 10.8.2.3



Testing of the bending torque on the support with bracket with spacer

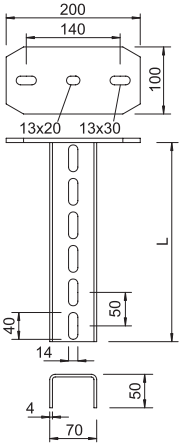
Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 55 81	AW 55 81	AW 55 81
Deformation measuring point m			
A1 lever arm	810 mm	810 mm	810 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	3.348 kN	2.659 kN	2.079 kN
Bending torque M2 (SWL)	1,530 Nm	1,530 Nm	1,530 Nm

According to IEC 61537, Chapter 10.8.2.3



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.

Suspended support (U profile) with welded head plate.

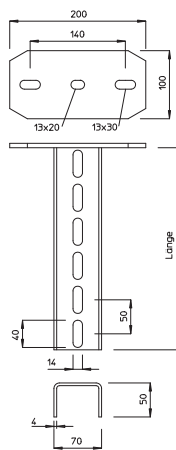


US 7 support



For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of a spacer, type DSK 61.

Suspended support (U profile) with welded head plate.



Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
US 7 K 100 A4	1000	4	11	1	500.000	6338872
US 7 K 200 A4	2000	4	11	1	905.000	6338881

Load

Testing of the bending torque on the ceiling plate

Item on test	US 7 K 80
Deformation measuring point m	
Length L	800 mm
Force F	2.250 kN
Bending torque M1 (SWL)	1,800 Nm

According to IEC 61537, Chapter 10.8.2.1

Testing of the tensile strength

Item on test	US 7 K 80
Deformation measuring point m	
Force F (SWL)	45 kN

According to IEC 61537, Chapter 10.8.2.2

Testing of the bending torque on the support with bracket

Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 30 31	AW 30 31	AW 30 31
Deformation measuring point m			
A1 lever arm	310 mm	310 mm	310 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	2.169 kN	2.169 kN	1.985 kN
Bending torque M2 (SWL)	437 Nm	437 Nm	400 Nm

According to IEC 61537, Chapter 10.8.2.3

Testing of the bending torque on the support with bracket with spacer

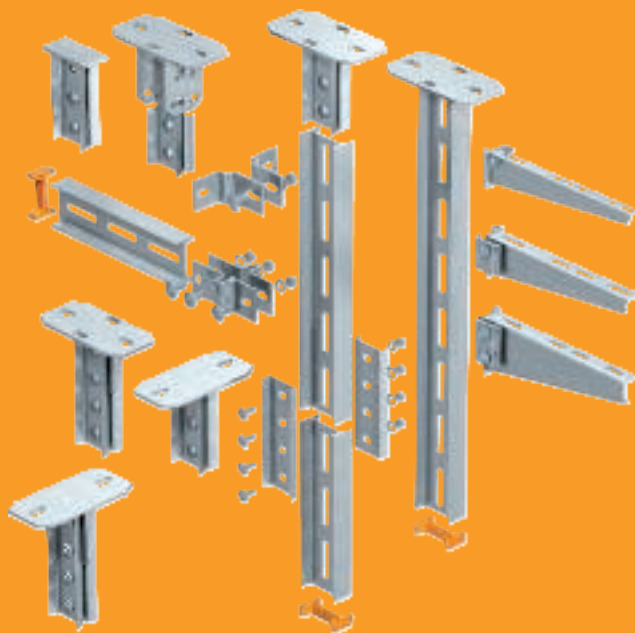
Item on test	US 7 K 80	US 7 K 120	US 7 K 170
	AW 55 81	AW 55 81	AW 55 81
Deformation measuring point m			
A1 lever arm	810 mm	810 mm	810 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	3.348 kN	2.659 kN	2.079 kN
Bending torque M2 (SWL)	1,530 Nm	1,530 Nm	1,530 Nm

According to IEC 61537, Chapter 10.8.2.3



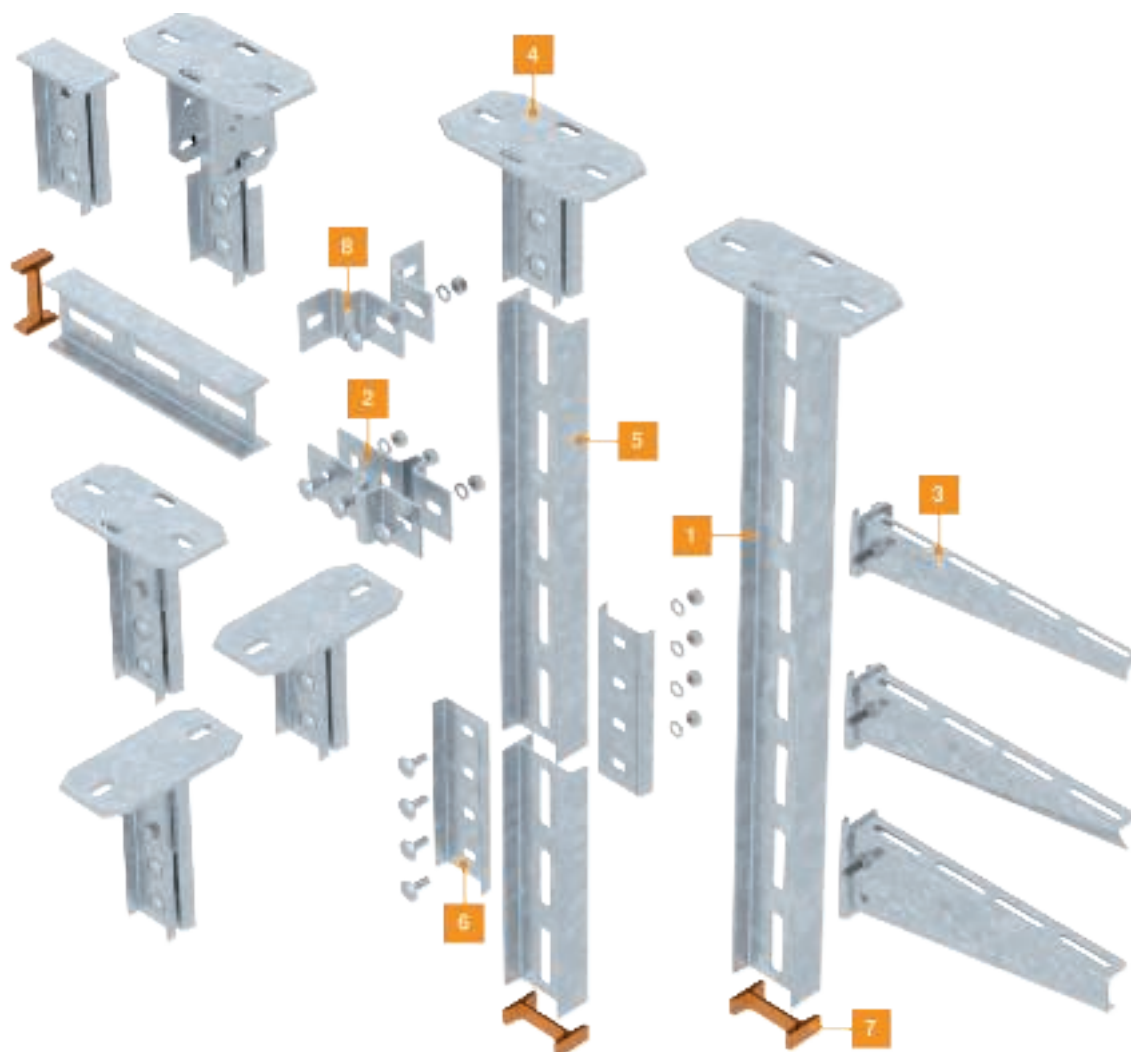
I support family

The I support system from OBO Bettermann really comes into its own in situations where high loads must be carried, large distances must be bridged and difficult routes must be implemented. The I support system fulfils all the requirements of a heavy-duty cable mounting system. The high load capacities of all the system components permit the mounting of complex structures. The comprehensive range of head plates allows the implementation of all conceivable solutions. This heavy-duty system is used with large support spacings of wide span systems or for multi-layer set-ups of standard cable trays and cable ladder systems. The combination of I supports and support brackets of type AS 15, AS 30 and AS 55 form a perfectly matched product range, the height of which can be infinitely adjusted.



I support and bracket systems

Installation principle



1	Luminaire support tray	IS 8 K
2	Luminaire support rail	AHIS 8
3	90° bend	
4	Cover with turn buckle	KI 8
5	Edge protection ring	IS 8
6	Suspension bracket	VIS 8
7	Suspension chain	IS 8 KS OR
8	Centre suspension	TGK

IS 8 support

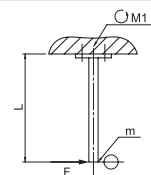
Type	Length mm	Material thickness mm	Tensile load kN	Pack Piece	Weight kg/100 pc.	Item no.
IS 8 K 20 FT	200	4	12	1	205.900	6361021
IS 8 K 30 FT	300	4	12	1	263.900	6361056
IS 8 K 40 FT	400	4	12	1	321.900	6361072
IS 8 K 50 FT	500	4	12	1	379.900	6361099
IS 8 K 60 FT	600	4	12	1	437.900	6361110
IS 8 K 70 FT	700	4	12	1	495.900	6361137
IS 8 K 80 FT	800	4	12	1	553.900	6361153
IS 8 K 90 FT	900	4	12	1	611.900	6361188
IS 8 K 100 FT	1000	4	12	1	669.800	6361218
IS 8 K 110 FT	1100	4	12	1	727.800	6361234
IS 8 K 120 FT	1200	4	12	1	785.800	6361250
IS 8 K 130 FT	1300	4	12	1	843.800	6361277
IS 8 K 140 FT	1400	4	12	1	901.800	6361293
IS 8 K 150 FT	1500	4	12	1	959.800	6361315
IS 8 K 160 FT	1600	4	12	1	1,017.800	6361331
IS 8 K 170 FT	1700	4	12	1	1,075.800	6361366
IS 8 K 180 FT	1800	4	12	1	1,133.800	6361382
IS 8 K 200 FT	2000	4	12	1	1,249.700	6361420
IS 8 K 300 FT	3000	4	12	1	1,833.000	6361692

Load

Testing of the bending torque on the ceiling plate

Item on test	IS 8 K 80
Deformation measuring point m	
Length L	800 mm
Force F	3.000 kN
Bending torque M1 (SWL)	2,400 Nm

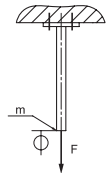
According to IEC 61537, Chapter 10.8.2.1



Testing of the tensile strength

Item on test	IS 8 K 80
Deformation measuring point m	
Force F (SWL)	50 kN

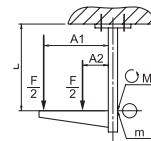
According to IEC 61537, Chapter 10.8.2.2



Testing of the bending torque on the support with bracket

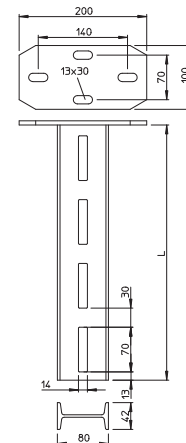
Item on test	IS 8 K 80	IS 8 K 140	IS 8 K 180
	AS 55 101	AS 55 101	AS 55 101
Deformation measuring point m			
A1 lever arm	1,010 mm	1,010 mm	1,010 mm
A2 lever arm	10 mm	10 mm	10 mm
Length L	500 mm	1,000 mm	1,500 mm
Force F	2.847 kN	3.025 kN	3.025 kN
Bending torque M2 (SWL)	1,600 Nm	1,700 Nm	1,700 Nm

According to IEC 61537, Chapter 10.8.2.3



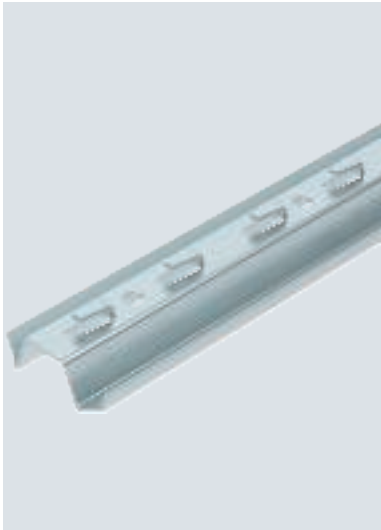
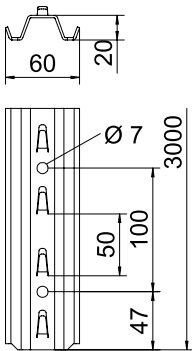
I support with welded head plate. For fastening to horizontal concrete ceilings and steel girders.

Single and double-sided brackets of type AS 15, AS 30 and AS 55 can be fastened to the IS 8 K suspended support. The height of the brackets is infinitely adjustable.



TP profile

StFS



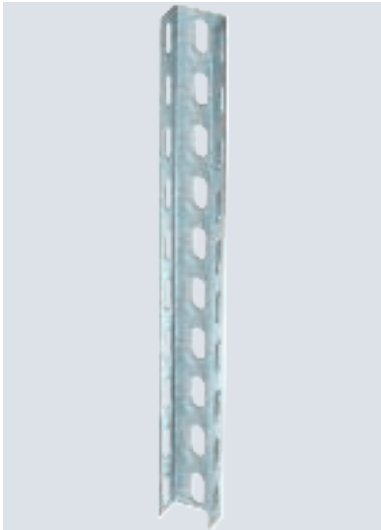
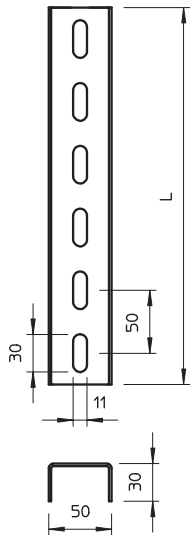
Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
TPSG 3000 FS	3000	1	441.000	6366090

TP profile with clamping lugs.

U supports

US 3 support

StFSFT



Type	Length mm	Material thickness mm	BS	Pack Piece	Weight kg/100 pc.	Item no.
US 3 20 FS	200	2	🔥	1	27.000	6342302
US 3 30 FS	300	2	🔥	1	40.000	6342304
US 3 40 FS	400	2	🔥	1	53.000	6342306
US 3 50 FS	500	2	🔥	1	67.000	6342308
US 3 60 FS	600	2	🔥	1	80.000	6342310
US 3 70 FS	700	2	🔥	1	93.000	6342312
US 3 80 FS	800	2	🔥	1	107.000	6342314
US 3 90 FS	900	2	🔥	1	120.000	6342316
US 3 100 FS	1000	2	🔥	1	133.000	6342318
US 3 150 FS	1500	2	🔥	1	200.000	6342328
US 3 200 FS	2000	2	🔥	1	266.000	6342338
US 3 300 FS	3000	2	🔥	1	399.000	6342340
US 3 600 FS	6000	2	🔥	1	798.000	6342345
US 3 600 FT	6000	2		1	834.000	6342450

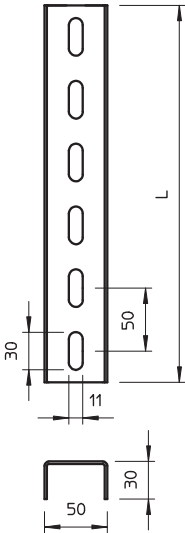
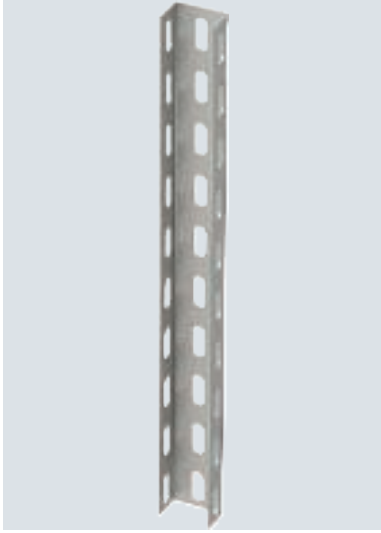
U support in fixed lengths. Dimensions 30 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

VA 2B

US 3 support

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
US 3 30 A2	300	2	1	42.200	6342455
US 3 50 A2	500	2	1	66.000	6342457
US 3 100 A2	1000	2	1	132.000	6342460
US 3 150 A2	1500	2	1	198.000	6342463
US 3 200 A2	2000	2	1	263.000	6342466
US 3 600 A2	6000	2	1	790.000	6342468

U support in fixed lengths. Dimensions 30 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

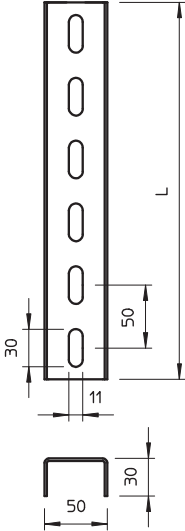
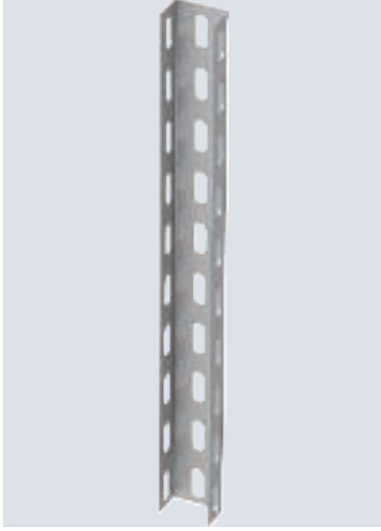


VA 2B

US 3 support

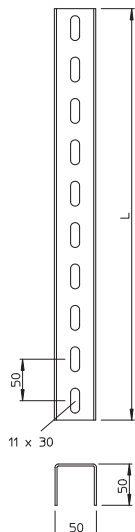
Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
US 3 200 A4	2000	2	1	263.000	6342497

U support in fixed lengths. Dimensions 30 x 50 mm.
For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.



US 5 support

St FT



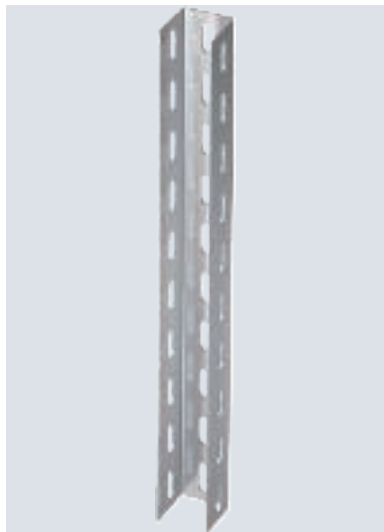
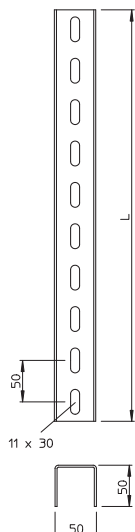
Type	Length mm	Material thickness mm	BS	Pack Piece	Weight kg/100 pc.	Item no.
US 5 20 FT	200	2.5		1	51.000	6340881
US 5 30 FT	300	2.5		1	79.000	6340903
US 5 40 FT	400	2.5		1	106.000	6340911
US 5 50 FT	500	2.5		1	133.000	6340938
US 5 60 FT	600	2.5		1	160.000	6340946
US 5 70 FT	700	2.5		1	175.000	6340950
US 5 80 FT	800	2.5		1	200.000	6340954
US 5 90 FT	900	2.5		1	227.000	6340958
US 5 100 FT	1000	2.5		1	265.000	6340962
US 5 110 FT	1100	2.5		1	278.000	6340964
US 5 150 FT	1500	2.5		1	395.000	6340966
US 5 200 FT	2000	2.5		1	506.000	6340970
US 5 300 FT	3000	2.5		1	795.000	6340989
US 5 600 FT	6000	2.5		1	1,578.000	6340997

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

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

US 5 support

VA VA 2B



Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
US 5 20 A2	200	2.5	1	48.000	6341101
US 5 30 A2	300	2.5	1	72.000	6341105
US 5 40 A2	400	2.5	1	97.000	6341109
US 5 50 A2	500	2.5	1	121.000	6341113
US 5 60 A2	600	2.5	1	145.000	6341117
US 5 70 A2	700	2.5	1	169.000	6341121
US 5 80 A2	800	2.5	1	193.000	6341125
US 5 90 A2	900	2.5	1	217.000	6341129
US 5 100 A2	1000	2.5	1	242.000	6341133
US 5 110 A2	1100	2.5	1	266.000	6341137
US 5 120 A2	1200	2.5	1	290.000	6341141
US 5 300 A2	3000	2.5	1	737.000	6341152
US 5 300 A4	3000	2.5	1	737.000	6341073

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

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 45.

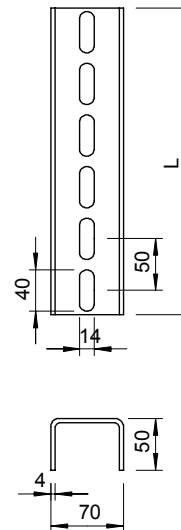
St FT

US 7 support

Type	Length mm	Material thickness mm	BS	Pack Piece	Weight kg/100 pc.	Item no.
US 7 20 FT	200	4		1	81.000	6340016
US 7 30 FT	300	4		1	121.000	6340032
US 7 40 FT	400	4		1	160.700	6340059
US 7 50 FT	500	4		1	200.900	6340075
US 7 60 FT	600	4		1	241.100	6340091
US 7 70 FT	700	4		1	281.300	6340113
US 7 80 FT	800	4		1	323.000	6340148
US 7 90 FT	900	4		1	361.700	6340164
US 7 100 FT	1000	4		1	416.000	6340180
US 7 110 FT	1100	4		1	457.000	6340199
US 7 120 FT	1200	4		1	484.000	6340202
US 7 130 FT	1300	4		1	540.000	6340210
US 7 140 FT	1400	4		1	580.000	6340229
US 7 150 FT	1500	4		1	620.000	6340237
US 7 160 FT	1600	4		1	660.000	6340245
US 7 170 FT	1700	4		1	686.000	6340253
US 7 180 FT	1800	4		1	750.000	6340261
US 7 190 FT	1900	4		1	790.000	6340288
US 7 200 FT	2000	4		1	803.700	6340296
US 7 300 FT	3000	4		1	1,250.000	6340377
US 7 600 FT	6000	4		1	2,490.000	6340318

U support in fixed lengths. Dimensions 70 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.

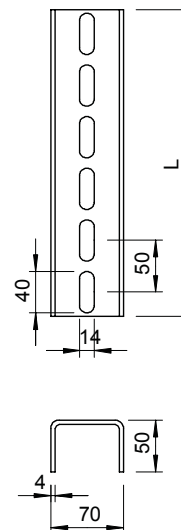


VA VA 2B

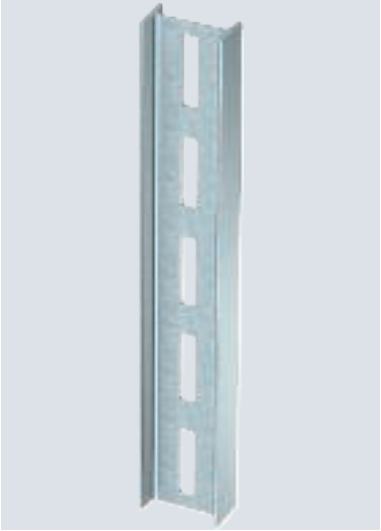
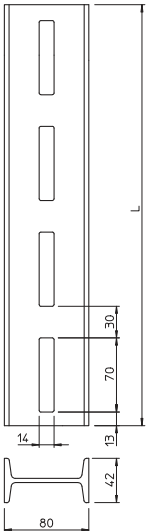
Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
US 7 300 A2	3000	4	1	1,176.300	6341969
US 7 600 A2	6000	4	1	2,433.000	6341993
US 7 600 A4	6000	4	1	2,433.000	6341995

U support in fixed lengths. Dimensions 70 x 50 mm.

For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.



IS 8 support



Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
IS 8 30 FT	300	4	1	171.000	6337031
IS 8 40 FT	400	4	1	229.000	6337058
IS 8 50 FT	500	4	1	286.000	6337066
IS 8 60 FT	600	4	1	344.000	6337074
IS 8 70 FT	700	4	1	402.000	6337082
IS 8 80 FT	800	4	1	459.000	6337090
IS 8 90 FT	900	4	1	517.000	6337104
IS 8 100 FT	1000	4	1	575.000	6337112
IS 8 110 FT	1100	4	1	632.000	6337120
IS 8 120 FT	1200	4	1	690.000	6337139
IS 8 130 FT	1300	4	1	748.000	6337147
IS 8 140 FT	1400	4	1	806.000	6337155
IS 8 150 FT	1500	4	1	863.000	6337163
IS 8 160 FT	1600	4	1	921.000	6337171
IS 8 170 FT	1700	4	1	979.000	6337198
IS 8 180 FT	1800	4	1	1,036.000	6337201
IS 8 190 FT	1900	4	1	1,094.000	6337228
IS 8 200 FT	2000	4	1	1,152.000	6337236
IS 8 250 FT	2500	4	1	1,440.000	6337240
IS 8 300 FT	3000	4	1	1,730.000	6337244
IS 8 600 FT	6000	4	1	3,460.000	6337252

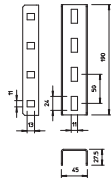
I support in fixed lengths. Dimensions 80 x 42 mm.
Single and double-sided brackets of type AS 15, AS 30 and AS 55 can be fastened to the IS 8 I support. The height of the brackets is infinitely adjustable.



Connector, US3 supports

VUS 3 U support connector

St FT



Type

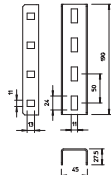
VUS 3 FT

Pack	Weight	
Piece	kg/100 pc.	Item no.
10	48.300	6018513

U support connector to connect US 3 supports.
Including appropriate fastening material.

VUS 3 U support connector

VA VA 2B



Type

VUS 3 A2

VUS 3 A4

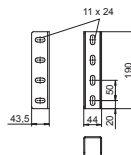
Pack	Weight	
Piece	kg/100 pc.	Item no.
1	48.200	6018517
1	48.200	6018520

U support connector to connect US 3 supports.
Including appropriate fastening material.

Connector, US5 supports

VUS 5 U support connector

St FT



Type

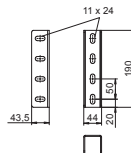
VUS 5 FT

Pack	Weight	
Piece	kg/100 pc.	Item no.
10	44.000	6018505

U support connector to connect US 5 supports.
Including appropriate fastening material.

U support connector VUS 5

VA 2B



Type

VUS 5 A4

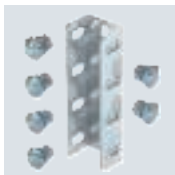
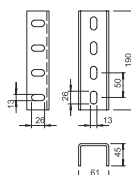
Pack	Weight	
Piece	kg/100 pc.	Item no.
1	64.800	6018509

U support connector to connect US 5 supports.
Including appropriate fastening material.

Connector, US7 supports

VUS 7 U support connector

St FT



Type

VUS 7 FT

Pack	Weight	
Piece	kg/100 pc.	Item no.
10	112.800	6018378

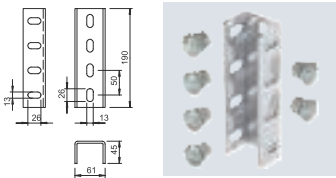
U support connector to connect US 7 supports.
Including appropriate fastening material.

VA 2B

VUS 7 U support connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
VUS 7 A2	1	110.900	6018408

U support connector to connect US 7 supports.
Including appropriate fastening material.

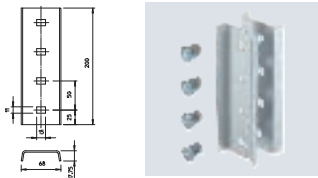


St FT

VIS 8 I support connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
VIS 8 FT	10	87.000	6018300

I support connector to connect IS 8 supports.
Including appropriate fastening material.



Accessories, TP supports

End cap

PE



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
TPS KS OR	Pastel orange	10	0.700	6364625

End cap to cover ends of TP supports.

Spacer

St FS



Type	Pack Piece	Weight kg/100 pc.	Item no.
DS 4 FS	20	3.390	6416551

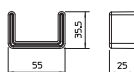
For static reasons, the spacer is always used to prevent the profile from deforming when the fastening bolts are tightened.

Spacer for use in profiles, type TP.

Accessories, US 3 supports

Protective cap

PE

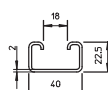


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 3 KS OR	Pastel orange	20	1.068	6338458

Protective cap to cover the ends of US 3 supports.

DSK 25 spacer

St FT

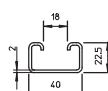


Type	Pack Piece	Weight kg/100 pc.	Item no.
DSK 25 FT	20	7.500	6416446

Spacer for use in US 3 supports.

DSK 25 spacer

VA VA 2B



Type	Pack Piece	Weight kg/100 pc.	Item no.
DSK 25 A2	10	7.500	6416448
DSK 25 A4	10	7.500	6416450

Spacer for use in US 3 supports.

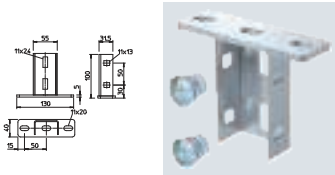
St FT

Head plate

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 3 FT	1	42.300	6348874

The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.

Head plate for mounting on US 3 supports.



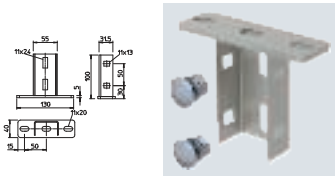
VA VA 2B

Head plate

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 3 A2	1	41.000	6348876
KU 3 A4	1	40.700	6348877

The head plate can be mounted to fixed lengths of the U support, type US 3.
Including appropriate fastening material.

Head plate for mounting on US 3 supports.



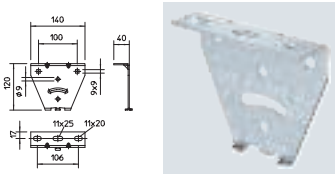
St FS FT

Head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 3 V FS	1	40.000	6348881
KU 3 V FT	1	41.300	6348883

The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type AML3518/AMS3518 and CML3518/CMS3518. The maximum angle adjustment is 20° on one side.

Variable head plate for installation on US 3 supports and profile rails, type AML3518/AMS3518 and CML3518/CMS3518.



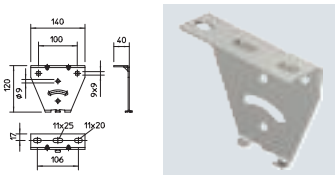
VA 2B

Head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 3 V A2	1	40.000	6348884

The variable head plate can be mounted to fixed lengths of the U support, type US 3, or profile rails, type AML3518/AMS3518 and CML3518/CMS3518.

Head plate for the installation on US 3 supports and profile rails, type AML3518/AMS3518 and CML3518/CMS3518.



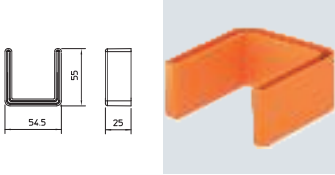
Accessories, US 5 supports

PE

End cap

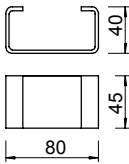
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 5 KS OR	Pastel orange	20	1.300	6338462

End cap to cover the ends of US 5 supports.



Spacer DSK 45

St FT



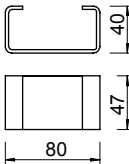
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
DSK 45 FT	20	18.000	6416500

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.

Spacer for use in US 5 support and in the head plate, type KU 7 VQP.

Spacer DSK 47

St FT



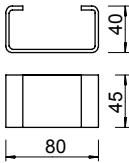
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
DSK 47 FT	20	19.000	6416504

For static reasons, the spacer is always used to increase stability to prevent the head plate from deforming when the bolts are tightened.

Spacer for use in head plate, type KU 5 V.

Spacer DSK 45

VA VA 2B



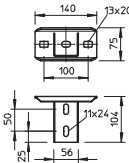
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
DSK 45 A2	10	14.600	6416489
DSK 45 A4	10	14.600	6416462

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.

Spacer for use in US 5 supports.

Head plate US 5

St FT



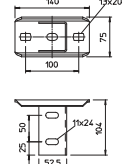
Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KUS 5 FT	1	61.900	6348904

When installing the head plate, please use the spacer, type DSK 45.

Head plate for installation in US 5 support.

Head plate US 5 NOK

St FT



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KUS 5 NOK FT	1	75.000	6348939

Head plate with U support mounting rotated 90°.

When installing the head plate, please use the spacer, type DSK 45.

VA 2B

Head plate US 5 NOK

Type	Pack Piece	Weight kg/100 pc.	Item no.
KUS 5 NOK A2	1	61.000	6348947

When installing the head plate, please use the spacer, type DSK 45.
Head plate with U support mounting rotated 90°.



St FT

KU 5 head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 5 V ET	1	82.000	6348920

The spacer, type DSK 47, is used for stabilisation when mounting the head plate. The maximum angle adjustment is approx. 30° on one side.

Variable head plate for installation on US 5 support.



VA	VA	2B
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KU 5 head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 5 V A2	1	81.000	6348925
KU 5 V A4	1	81.000	6348927

The spacer, type DSK 47, is used to install the head plate.
Variable head plate for installation on US 5 support.



St FT

Mounting angle BW 70

Type	Pack Piece	Weight kg/100 pc.	Item no.
BW 70 40 FT	10	20.100	6019706

Including truss-head bolt M10 x 25.
Mounting angle of limb dimension 70 x 50 mm.



Accessories, US 7 supports

PE

End cap

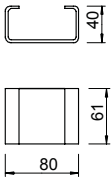
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 7 KS OR	Pastel orange	20	1.806	6338497

End cap to cover the ends of US 7 supports.



DSK 61 spacer

St FT

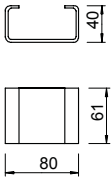


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
DSK 61 FT	20	25.000	6416519

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.
Spacer for use in US 7 supports.

DSK 61 spacer

VA VA 2B

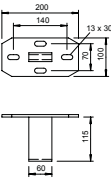


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
DSK 61 A2	10	20.200	6416527
DSK 61 A4	10	20.200	6416533

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the hexagonal bolts.
Spacer for use in US 7 supports.

Head plate, light-duty version

St FT

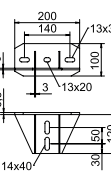


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KU 7 FT	1	144.600	6349102

Please order fastening material (two hexagonal bolts SKS 12 x 100) separately.
Light-duty head plate for mounting on US 7 support.

Head plate, heavy duty

St FT

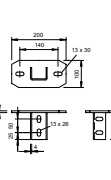


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KU 7 NOX FT	1	184.000	6349056

Please order fastening material (two truss-head bolts FRS 12 x 25) separately.
Heavy duty head plate for installation in US 7 support.

Head plate, heavy duty

VA VA 2B



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KUS 7 A2	1	140.000	6349277
KUS 7 A4	1	140.000	6349279

Please order fastening material (two truss-head bolts FRS 12 x 25) separately.
Heavy duty head plate for installation in US 7 supports.

St FT

Head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KU 7 VQP FT	1	181.600	6349153

Please order fastening material (two hexagonal bolts SKS 12 x 80 and spacer DSK 45) separately. The maximum angle adjustment is 30° on one side.

Variable head plate for installation on US 7 support.



St FT

Adapter head plate, asymmetrical

Type	Pack Piece	Weight kg/100 pc.	Item no.
KA-ASY FT	1	280.000	6346820

The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

Adapter head plate, asymmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.



St FT

Adapter head plate, symmetrical

Type	Pack Piece	Weight kg/100 pc.	Item no.
KA-SY FT	1	276.000	6346804

The adapter head plate increases the load capacity of the IS 8 K and US 7 K supports, taking the characteristic anchor values into account.

Adapter head plate, symmetrical, to increase the load capacity of supports, type US 7 K and IS 8 K.



St FT

Mounting angle BW 60

Type	Pack Piece	Weight kg/100 pc.	Item no.
BW 60 40 FT	10	23.000	6019560

Including truss-head bolt M12 x 25.

Mounting angle of limb dimension 60 x 60 mm.



VA VA 2B

Mounting angle BW 60

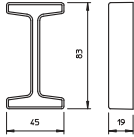
Type	Pack Piece	Weight kg/100 pc.	Item no.
BW 60 40 A2	10	16.000	6019587
BW 60 40 A4	10	16.000	6019583

Including truss-head bolt M12 x 25.

Mounting angle of limb dimension 60 x 60 mm.



End cap

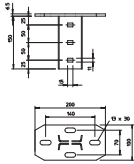


Type	Colour	Pack	Weight	Item no.
		Piece	kg/100 pc.	
IS 8 KS OR	Pastel orange	20	0.705	6338519

End cap to cover the ends of IS 8 supports.

Head plate, longitudinal

St FT

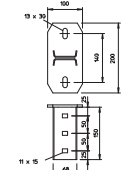


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KI 8 FT	1	155.000	6347053

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.
Head plate for mounting on IS 8 support. The cable trays and ladders run in a straight direction.

Head plate, transverse

St FT

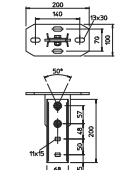


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KI 8 NOK FT	1	158.400	6347061

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.
Head plate for installation in IS 8 support. The cable trays and ladders run in a transverse direction.

Head plate, variable

St FT

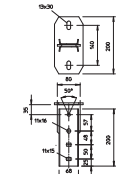


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KI 8 VQP FT	1	219.000	6348106

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.
Variable head plate, adjustable in straight direction, for installation on IS 8 support.

Head plate, variable

St FT



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
KI 8 VLK FT	1	227.000	6348157

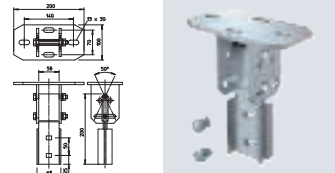
Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.
Variable head plate, adjustable in straight direction, for installation on IS 8 support.

St FT

Head plate, variable

Type	Pack Piece	Weight kg/100 pc.	Item no.
KI 8 VLP FT	1	275.000	6347843

Including appropriate fastening material.
Limit the length of the support to max. 2,000 mm.
Variable head plate, adjustable in transverse direction, for installation on IS 8 support.

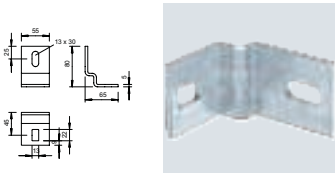


St FT

Mounting angle BW 80

Type	Pack Piece	Weight kg/100 pc.	Item no.
BW 80 55 FT	10	32.900	6019528

The mounting angle can also be used in conjunction with the heavy-duty vertical ladder, type SLS 80.
Including fastening bolt M12x30.
Mounting angle for mounting IS 8 supports on the wall.

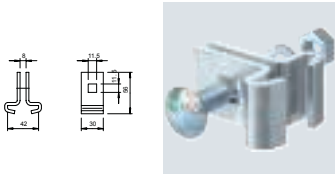


St FT

Support claw

Type	Pack Piece	Weight kg/100 pc.	Item no.
TGK 30 42 FT	10	17.000	6018963

The support claw can also be used in conjunction with the heavy-duty ladder, type SLS 80.
Support claw with truss-head bolt, type FRS M10 x 25 for mounting on the IS 8 support.

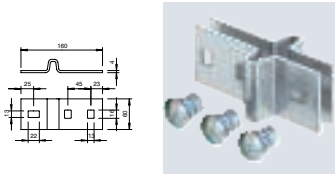


St FT

Support strap

Type	Pack Piece	Weight kg/100 pc.	Item no.
AHIS 8 FT	10	89.900	6019064

Including appropriate fastening material.
Support strap for right-angled connection of I supports.



Selection aid, support and bracket combinations

			US 3 K		US 5 K		US 7 K	
								
			With DSK	Without DSK	With DSK	Without DSK	With DSK	Without DSK
MWA 12 MWAM 12 MWAG 12		Bracket width in mm						
		110	-	●	-	●	-	●
		210	-	●	-	●	-	●
		310	-	●	-	●	-	●
AW 15 AWG 15		410	●	-	●	-	●	-
		110	-	●	-	●	-	●
		160	-	●	-	●	-	●
		210	-	●	-	●	-	●
		310	-	●	-	●	-	●
		410	●	-	●	-	●	-
		510	●	-	●	-	●	-
		560	●	-	●	-	●	-
AW 30		610	●	-	●	-	●	-
		110	-	-	-	●	-	●
		160	-	-	-	●	-	●
		210	-	-	-	●	-	●
		260	-	-	-	●	-	●
		310	-	-	-	●	-	●
		410	-	-	●	-	●	-
		510	-	-	●	-	●	-
		560	-	-	●	-	●	-
		610	-	-	●	-	●	-
AW 55		710	-	-	●	-	●	-
		810	-	-	-	-	●	-
		210	-	-	●	-	●	-
		310	-	-	●	-	●	-
		410	-	-	-	-	●	-
		510	-	-	-	-	●	-
		560	-	-	-	-	●	-
		610	-	-	-	-	●	-

● Suitable
- Not suitable

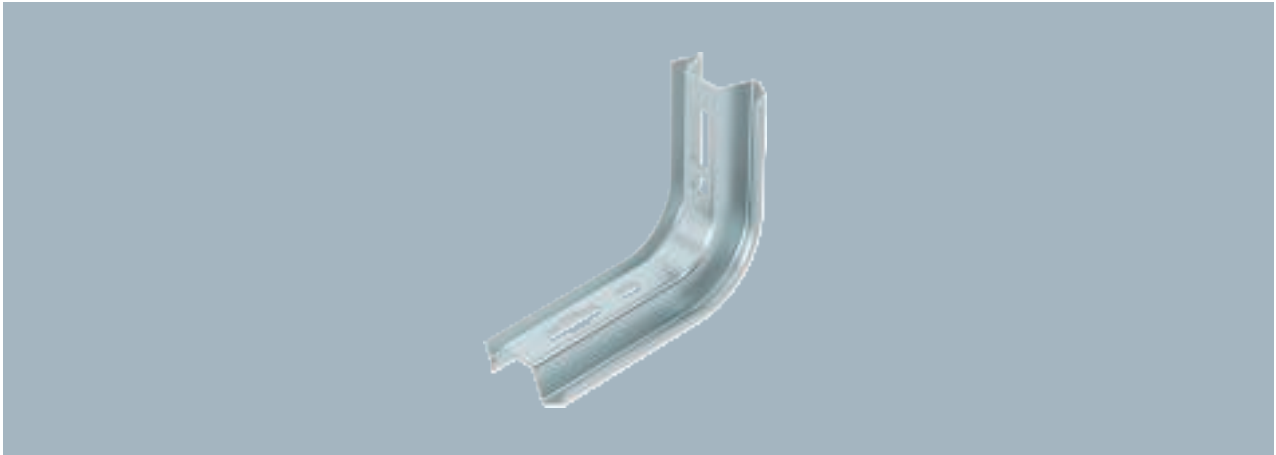


With DSK (spacer)



Without DSK (spacer)

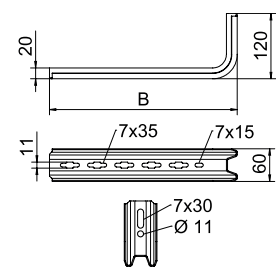
TPSA TP support/wall and support bracket



If the profile is fastened directly to the ceiling or the profile is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4.
TP support/bracket for fastening to horizontal concrete ceilings and walls.

Type	for width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPSA 145 FS	100	1.5	1	32.300	6364101
TPSA 245 FS	200	0.9	1	46.000	6364209
TPSA 345 FS	300	0.55	1	60.000	6364306

Dimensions



Type	Dim. B mm
TPSA 145 FS	145
TPSA 245 FS	245
TPSA 345 FS	345

Load

Characteristic anchor load values for TP bracket - wall fastening

Item on test	Force F (SWL)	Width B
TPSA 145 FS	1.5 kN	145 mm
TPSA 245 FS	0.9 kN	245 mm
TPSA 345 FS	0.55 kN	345 mm
TPSA 245 FS SP	0.9 kN	245 mm

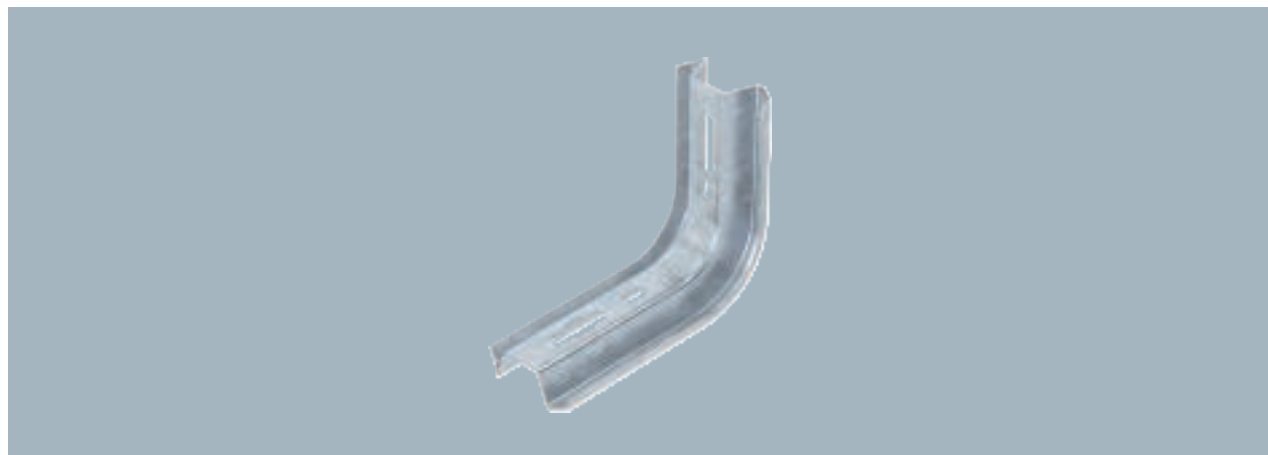
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Characteristic anchor load values for TP brackets

Wall fastening	Max. load F [kN]	Bracket width [mm]
Anchor type	145	195 245 345
BZ-U 8-30-41/95	1	1.3 0.7 2.4
BZ-U 10-30-50/110	1.5	1 0.9 0.55

TPSA TP support/wall and support bracket

St FT



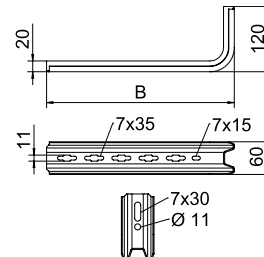
Type	for width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPSA 145 FT	100	1.5	1	33.000	6364659
TPSA 245 FT	200	0.9	1	47.000	6364667
TPSA 345 FT	300	0.55	1	62.000	6364675

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

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

Type	Dim. B mm
TPSA 145 FT	145
TPSA 245 FT	245
TPSA 345 FT	345

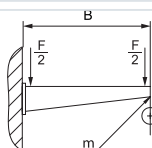
Dimensions



Characteristic anchor load values for TP bracket - wall fastening

Item on test	Force F (SWL)	Width B
TPSA 145 FT	0.15 kN	145 mm
TPSA 195 FT	1 kN	195 mm
TPSA 245 FT	0.950 kN	245 mm
TPSA 345 FT	0.55 kN	345 mm

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

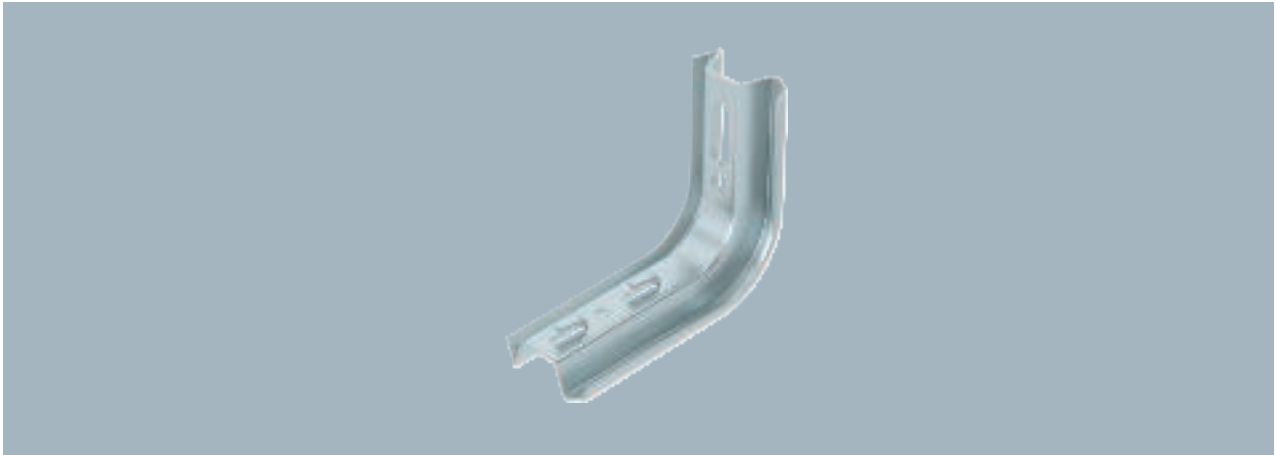


Load

Characteristic anchor load values for TP brackets

Wall fastening	Max. load F [kN]	Bracket width [mm]			
Anchor type	145	195	245	345	
BZ-U 8-30-41/95	1	1.3	0.7	2.4	
BZ-U 10-30-50/110	1.5	1	0.9	0.55	

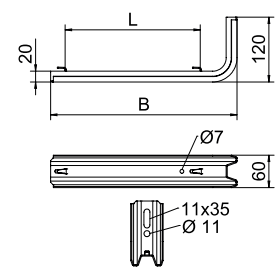
TPSAG TP support/wall and support bracket



If the bracket is fastened directly to the wall or the profiles are screwed together, then, for reasons of stability, always use the spacer, type DS 4.
TP bracket with clamping lugs for screwless mesh cable tray fastening.

Type	for width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPSAG 145 FS	100	1.5	1	33.000	6366015
TPSAG 195 FS	150	1	1	41.000	6366023
TPSAG 245 FS	200	0.9	1	48.000	6366031
TPSAG 345 FS	300	0.55	1	61.000	6366066

Dimensions



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

Load

Characteristic anchor load values for TP bracket - wall fastening

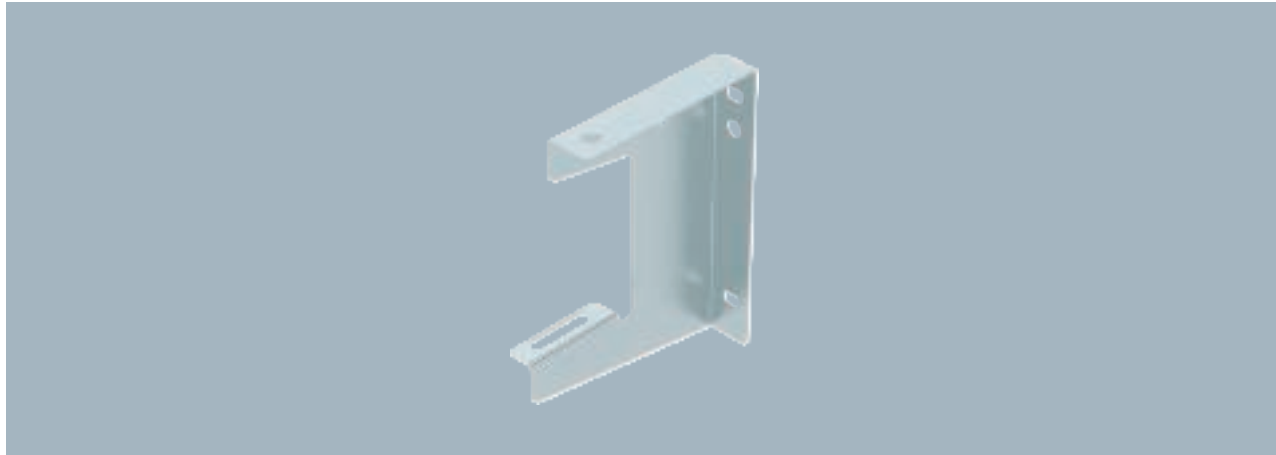
Item on test	Force F (SWL)	Width B
TPSA 145 FT	0.15 kN	145 mm
TPSA 195 FT	1 kN	195 mm
TPSA 245 FT	0.950 kN	245 mm
TPSA 345 FT	0.55 kN	345 mm

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

Characteristic anchor load values for TP brackets

Wall fastening	Max. load F [kN]	Bracket width [mm]
Anchor type	145	195 245 345
BZ-U 8-30-41/95	1	1.3 0.7 2.4
BZ-U 10-30-50/110	1.5	1 0.9 0.55

Wall and ceiling bracket

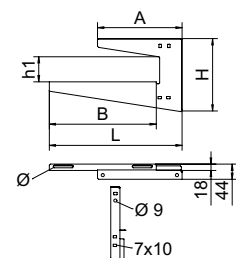


Type	for width mm	Pack Piece	Weight kg/100 pc.	Item no.
WDB L 50 FS	50	1	11.000	6363700
WDB L 100 FS	100	1	15.000	6363702
WDB L 150 FS	150	1	24.000	6363704
WDB L 200 FS	200	1	33.000	6363706
WDB L 300 FS	300	1	52.000	6363708
WDB L 400 FS	400	1	73.000	6363710

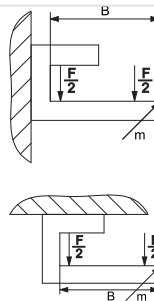
Wall and ceiling bracket for universal structural fastening.

Type	Dim. A mm	Dim. B mm	Dim. H mm	Dimen- sion h1 mm	Dim. L mm
WDB L 50 FS	115	60	170	92	130
WDB L 100 FS	145	110	179	88	185
WDB L 150 FS	170	160	186	84	235
WDB L 200 FS	195	210	194	80	285
WDB L 300 FS	245	310	210	73	385
WDB L 400 FS	300	410	226	65	490

Dimensions

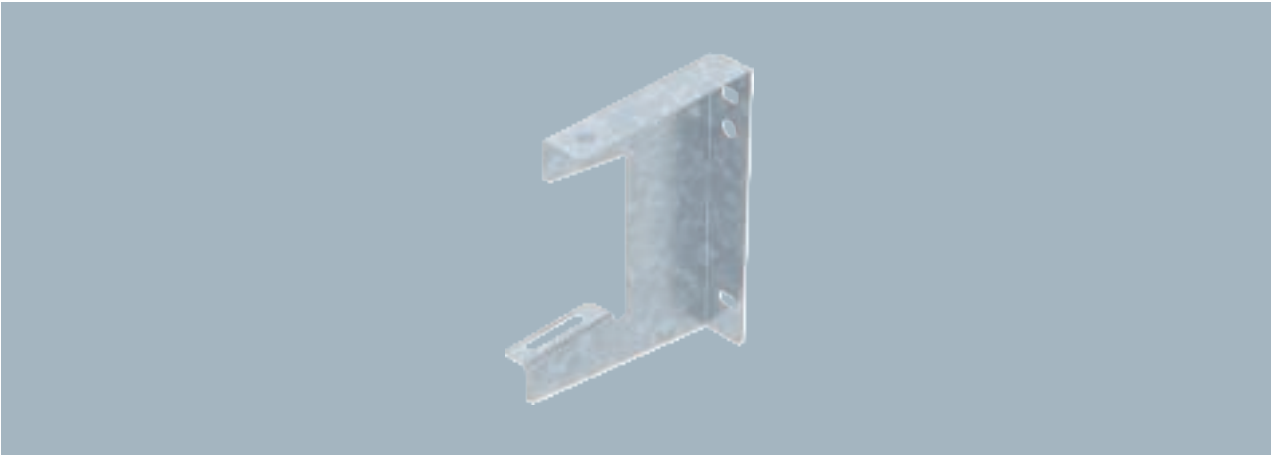


Wall fastening						
	Max. load [kN]					
	Bracket length [mm]					
Anchor type	50	100	150	200	300	400
BZ-U 8-30-41/95	0.40	0.25	0.22	0.30	0.20	0.12



Load

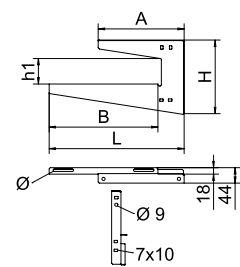
Wall and ceiling bracket



Wall and ceiling bracket for universal structural fastening.

Type	for width mm	Pack Piece	Weight kg/100 pc.	Item no.
WDB L 50 FT	50	1	12.200	6363720
WDB L 100 FT	100	1	17.000	6363722
WDB L 150 FT	150	1	26.000	6363724
WDB L 200 FT	200	1	33.000	6363726
WDB L 300 FT	300	1	28.000	6363728
WDB L 400 FT	400	1	78.000	6363730

Dimensions



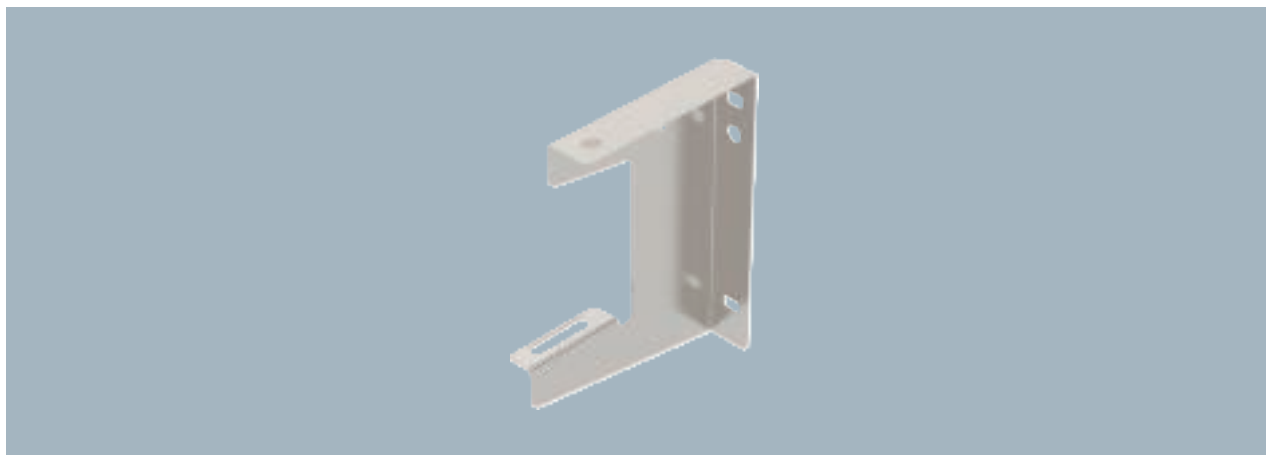
Type	Dim. A mm	Dim. B mm	Dim. H mm	Dimen- sion h1 mm	Dim. L mm
WDB L 50 FT	115	60	170	92	130
WDB L 100 FT	145	110	179	88	185
WDB L 150 FT	170	160	186	84	235
WDB L 200 FT	195	210	194	80	285
WDB L 300 FT	245	310	210	73	385
WDB L 400 FT	300	410	226	65	490

Load

Wall fastening							
	Anchor type BZ-U 8-30-41/95	Max. load [kN]					
		Bracket length [mm]					
		50	100	150	200	300	400
		0,40	0,25	0,22	0,30	0,20	0,12

Ceiling fastening							
	Anchor type BZ-U 8-30-41/95	Max. load [kN]					
		Bracket length [mm]					
		50	100	150	200	300	400
		0,40	0,25	0,22	0,30	0,20	0,12

Wall and ceiling bracket

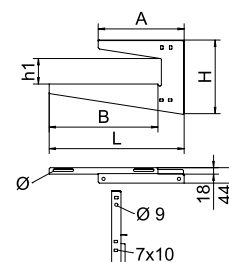


Type	for width mm	Pack Piece	Weight kg/100 pc.	Item no.
WDB L 50 A2	50	1	11.000	6363740
WDB L 100 A2	100	1	15.000	6363742
WDB L 150 A2	150	1	24.000	6363744
WDB L 200 A2	200	1	33.000	6363746
WDB L 300 A2	300	1	52.000	6363748
WDB L 400 A2	400	1	73.000	6363750

Wall and ceiling clamp for universal structural fastening.

Type	Dim. A mm	Dim. B mm	Dim. H mm	Dimen- sion h1 mm	Dim. L mm
WDB L 50 A2	115	60	170	92	130
WDB L 100 A2	145	110	179	88	185
WDB L 150 A2	170	160	186	84	235
WDB L 200 A2	195	210	194	80	285
WDB L 300 A2	245	310	210	73	385
WDB L 400 A2	300	410	226	65	490

Dimensions



Load

Wall fastening							
	Anchor type BZ-U 8-30-41/95	Max. load [kN]					
		Bracket length [mm]					
		50	100	150	200	300	400
		0,40	0,25	0,22	0,30	0,20	0,12
Ceiling fastening							
	Anchor type BZ-U 8-30-41/95	Max. load [kN]					
		Bracket length [mm]					
		50	100	150	200	300	400
		0,40	0,25	0,22	0,30	0,20	0,12

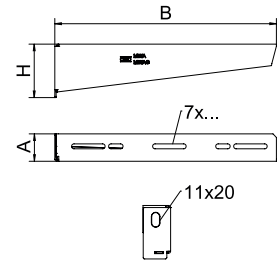
Wall and support bracket MWA 12



Including truss-head bolt M10 x 25 for fastening to U supports.
Light-duty wall and support bracket.

Type	Width mm	F in kN	BS	Pack Piece	Weight kg/100 pc.	Item no.
MWA 12 11S FS	110	1.2		1	16.400	6424716
MWA 12 21S FS	210	1.2		1	26.700	6424732
MWA 12 31S FS	310	1.2		1	50.300	6424740
MWA 12 41S FS	410	1.2		1	68.000	6424759
MWA 12 11S A2	110	1.2		1	16.000	6424430
MWA 12 21S A2	210	1.2		1	26.900	6424432
MWA 12 31S A2	310	1.2		1	51.800	6424434
MWA 12 41S A2	410	1.2		1	69.200	6424436
MWA 12 11S A4	110	1.2		1	16.000	6424440
MWA 12 21S A4	210	1.2		1	26.900	6424442
MWA 12 31S A4	310	1.2		1	51.800	6424444
MWA 12 41S A4	410	1.2		1	69.200	6424446

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
MWA 12 11S FS	110	325	53	11
MWA 12 21S FS	210	325	65	11
MWA 12 31S FS	310	38	75	11
MWA 12 41S FS	410	38	83	11

Load

Load characteristics wall and support bracket MWA 12

Item on test	Force F (SWL)	Width B
MWA 12 11S FS	1.2 kN	110 mm
MWA 12 21S FS	1.2 kN	210 mm
MWA 12 31S FS	1.2 kN	310 mm
MWA 12 41S FS	1.2 kN	410 mm

Deformation measurement point m
According to IEC 61537, chapter 10.8.1

Max. total load F = cable weight + cable tray + bracket

Characteristic anchor load values for wall and support bracket MWA 12 - wall fastening

Max. load F [kN]	110	210	310	410
Bracket width [mm]				
Anchor type				
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket MWAG 12

St FS

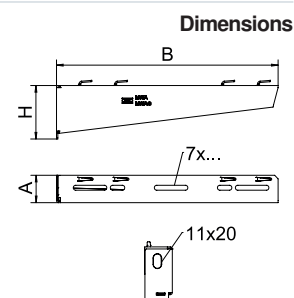


Type	Width mm	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
MWAG 12 11 FS	110	1.2	1	12.700	6424600
MWAG 12 21 FS	210	1.2	1	24.400	6424608
MWAG 12 31 FS	310	1.2	1	50.300	6424616
MWAG 12 41 FS	410	1.2	1	68.000	6424624

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

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

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



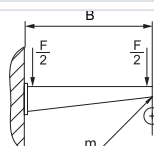
Characteristic load values for MWAG 12 wall and support bracket

Item on test	Force F (SWL)	Width B
MWAG 12 11 FS	1.2 kN	110 mm
MWAG 12 21 FS	1.2 kN	210 mm
MWAG 12 31 FS	1.2 kN	310 mm
MWAG 12 41 FS	1.2 kN	410 mm

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket



Characteristic anchor load values for MWAG 12 wall and support bracket – wall fastening

Load [kN]	110	210	310	410	
Bracket width [mm]					
Anchor type					
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65	410
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2	0.65

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Load

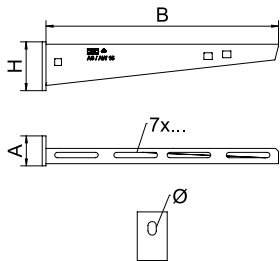
Wall and support bracket AW 15



Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Light-duty wall and support bracket with welded head plate.

Type	Width mm	Dim. H mm	Dim. A mm	Dim. B mm	Hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
AW 15 11 FT	110	50	40	110	11	1	13.100	6420656
AW 15 16 FT	160	55	40	160	11	1	20.000	6420664
AW 15 21 FT	210	60	40	210	11	1	24.000	6420680
AW 15 31 FT	310	65	40	310	11	1	38.400	6420710
AW 15 41 FT	410	70	40	410	11	1	54.000	6420745
AW 15 51 FT	510	75	40	510	11	1	67.300	6420788
AW 15 61 FT	610	80	40	610	11	1	85.000	6420826

Dimensions



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

Load

Characteristic anchor load values for wall bracket AW 15 - wall fastening

Item on test	Force F (SWL)	Width B
AW 15 11 FT	1.5 kN	110 mm
AW 15 16 FT	1.5 kN	160 mm
AW 15 21 FT	1.5 kN	210 mm
AW 15 31 FT	1.5 kN	310 mm
AW 15 36 FT	1.5 kN	360 mm
AW 15 41 FT	1.5 kN	410 mm
AW 15 51 FT	1.5 kN	510 mm
AW 15 56 FT	1.5 kN	560 mm
AW 15 61 FT	1.5 kN	610 mm

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AW15 wall bracket – wall fastening

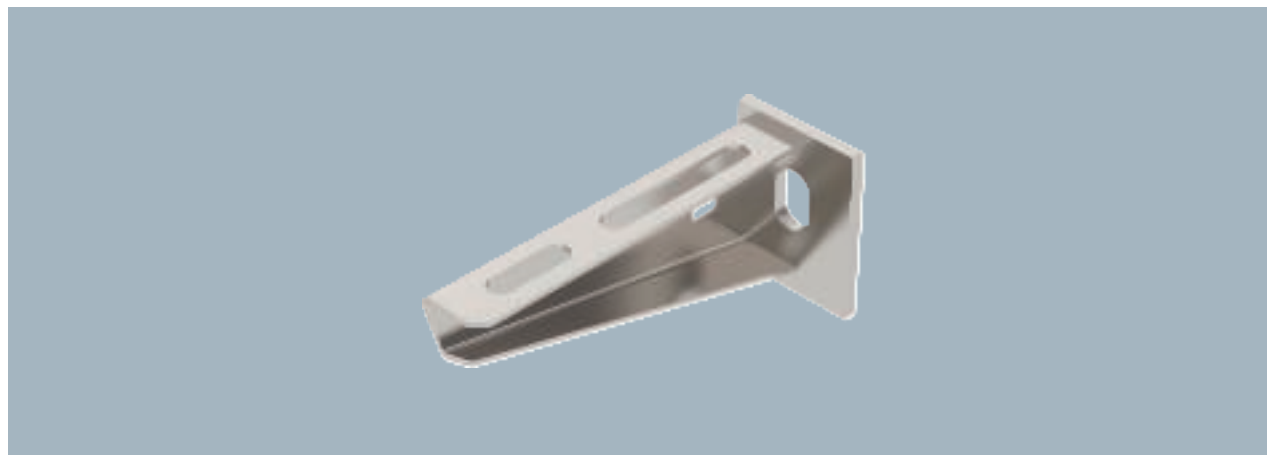
Load [kN]				
Bracket width [mm]	110	210	310	410
Anchor type				
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket AW 15

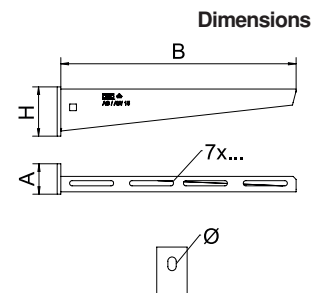
VA 2B



Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 15 11 A2	110	1.5	1	12.500	6421008
AW 15 21 A2	210	1.5	1	24.000	6421024
AW 15 31 A2	310	1.5	1	38.200	6421032
AW 15 41 A2	410	1.5	1	55.000	6421036
AW 15 51 A2	510	1.5	1	64.400	6421040
AW 15 61 A2	610	1.5	1	85.000	6421044

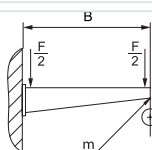
Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Light-duty wall and support bracket with welded head plate.

Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 15 11 A2	110	40	50	11
AW 15 21 A2	210	40	60	11
AW 15 31 A2	310	40	65	11
AW 15 41 A2	410	40	70	11
AW 15 51 A2	510	40	75	11
AW 15 61 A2	610	40	80	11



Characteristic anchor load values for wall bracket AW 15 - wall fastening

Item on test	Force F (SWL)	Length L
AW 15 11 A2	0.15 kN	110 mm
AW 15 21 A2	0.15 kN	210 mm
AW 15 31 A2	0.15 kN	310 mm
AW 15 41 A2	0.15 kN	410 mm
AW 15 51 A2	0.15 kN	510 mm
AW 15 61 A2	0.15 kN	610 mm



Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

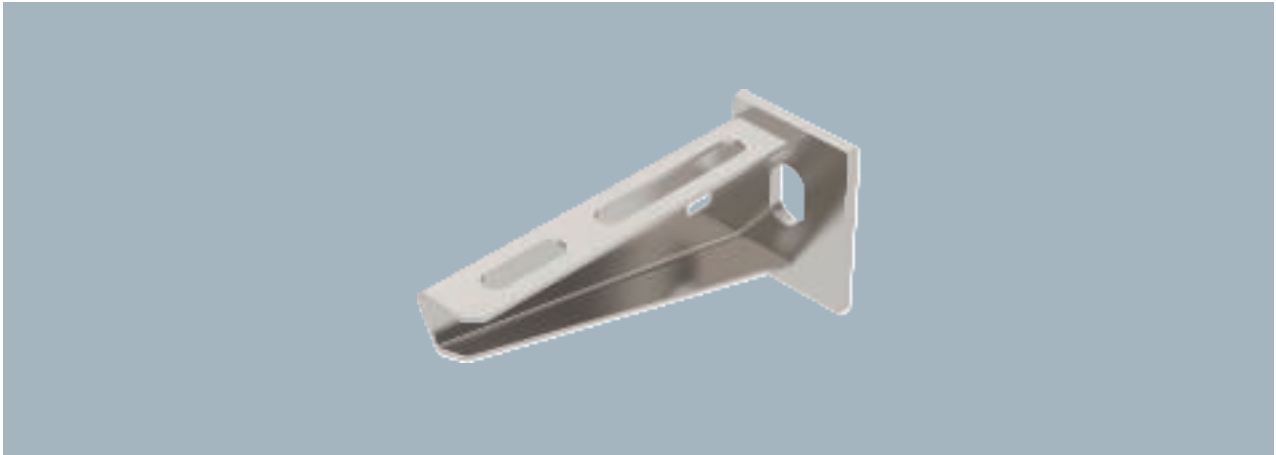
Characteristic anchor load values for AW15 wall bracket – wall fastening

Load [kN]	110%	210	310	410
Bracket width [mm]				
Anchor type				
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Load

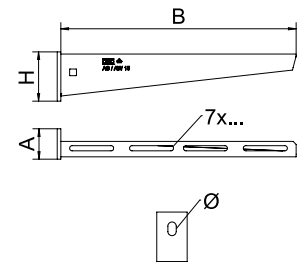
Wall and support bracket AW 15



Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Light-duty wall and support bracket with welded head plate.

Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 15 11 A4	110	1.5	1	12.500	6392008
AW 15 21 A4	210	1.5	1	24.000	6392016
AW 15 31 A4	310	1.5	1	37.400	6392024
AW 15 41 A4	410	1.5	1	55.000	6392032
AW 15 51 A4	510	1.5	1	64.400	6392040
AW 15 61 A4	610	1.5	1	85.000	6392059

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 15 11 A4	110	40	50	11
AW 15 21 A4	210	40	60	11
AW 15 31 A4	310	40	65	11
AW 15 41 A4	410	40	70	11
AW 15 51 A4	510	40	75	11
AW 15 61 A4	610	40	80	11

Load

	<div> <div> Characteristic anchor load values for wall bracket AW 15 - wall fastening </div> <table> <tr> <th>Item on test</th><th colspan="2">Force F (SWL)</th><th colspan="2">Width B</th></tr> <tr> <td>AW 15 11 A4</td><td colspan="2">0.15 kN</td><td colspan="2">110 mm</td></tr> <tr> <td>AW 15 21 A4</td><td colspan="2">0.15 kN</td><td colspan="2">210 mm</td></tr> <tr> <td>AW 15 31 A4</td><td colspan="2">0.15 kN</td><td colspan="2">310 mm</td></tr> <tr> <td>AW 15 41 A4</td><td colspan="2">0.15 kN</td><td colspan="2">410 mm</td></tr> <tr> <td>AW 15 51 A4</td><td colspan="2">0.15 kN</td><td colspan="2">510 mm</td></tr> <tr> <td>AW 15 61 A4</td><td colspan="2" rowspan="2">0.15 kN</td><td colspan="2" rowspan="2">610 mm</td></tr> </table> <div> <div>Deformation measuring point m</div> <div>According to IEC 61537, Chapter 10.8.1</div> <div>Max. total load F = Cable weight + cable tray + bracket</div> </div> </div>					Item on test	Force F (SWL)		Width B		AW 15 11 A4	0.15 kN		110 mm		AW 15 21 A4	0.15 kN		210 mm		AW 15 31 A4	0.15 kN		310 mm		AW 15 41 A4	0.15 kN		410 mm		AW 15 51 A4	0.15 kN		510 mm		AW 15 61 A4	0.15 kN		610 mm	
Item on test	Force F (SWL)		Width B																																					
AW 15 11 A4	0.15 kN		110 mm																																					
AW 15 21 A4	0.15 kN		210 mm																																					
AW 15 31 A4	0.15 kN		310 mm																																					
AW 15 41 A4	0.15 kN		410 mm																																					
AW 15 51 A4	0.15 kN		510 mm																																					
AW 15 61 A4	0.15 kN		610 mm																																					
<div>Characteristic anchor load values for AW15 wall bracket – wall fastening</div>																																								
Load [kN]																																								
Bracket width [mm]	110	210	310	410																																				
Anchor type																																								
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65																																				
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2																																				
<div>The load capacity values increase considerably when used in uncracked concrete.</div>																																								
<div>The specified values are based on concrete of resistance grade C20/25. Please</div>																																								
<div>comply with the installation conditions of the DIBt approval (anchors).</div>																																								

Wall and support bracket AW 15 2L



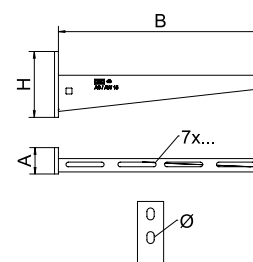
Type	Width mm	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 15 11 FT 2L	110	1.5	30	16.000	6420909
AW 15 16 FT 2L	160	1.5	30	20.000	6420912
AW 15 21 FT 2L	210	1.5	30	28.400	6420915
AW 15 31 FT 2L	310	1.5	30	42.000	6420918
AW 15 41 FT 2L	410	1.5	30	59.300	6420921
AW 15 51 FT 2L	510	1.5	20	72.000	6420924
AW 15 61 FT 2L	610	1.5	18	90.000	6420927

Wall and support bracket with welded head plate and two fastening holes.

The double-perforated bracket offers the special option of double anchoring on lightweight partitions and light masonry.

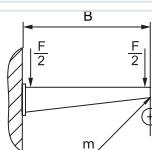
Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 15 11 FT 2L	110	40	44	11
AW 15 16 FT 2L	160	40	54	11
AW 15 21 FT 2L	210	40	54	11
AW 15 31 FT 2L	310	40	64	11
AW 15 41 FT 2L	410	40	64	11
AW 15 51 FT 2L	510	40	72	11
AW 15 61 FT 2L	610	40	77	11

Dimensions



Characteristic anchor load values for wall bracket AW 15 - Wall fastening

Item on test	Force F (SWL)	Width B
AW 15 11 FT 2L	1.5 kN	110 mm
AW 15 16 FT 2L	1.5 kN	160 mm
AW 15 21 FT 2L	1.5 kN	210 mm
AW 15 31 FT 2L	1.5 kN	310 mm
AW 15 41 FT 2L	1.5 kN	410 mm
AW 15 51 FT 2L	1.5 kN	510 mm
AW 15 61 FT 2L	1.5 kN	610 mm



Load

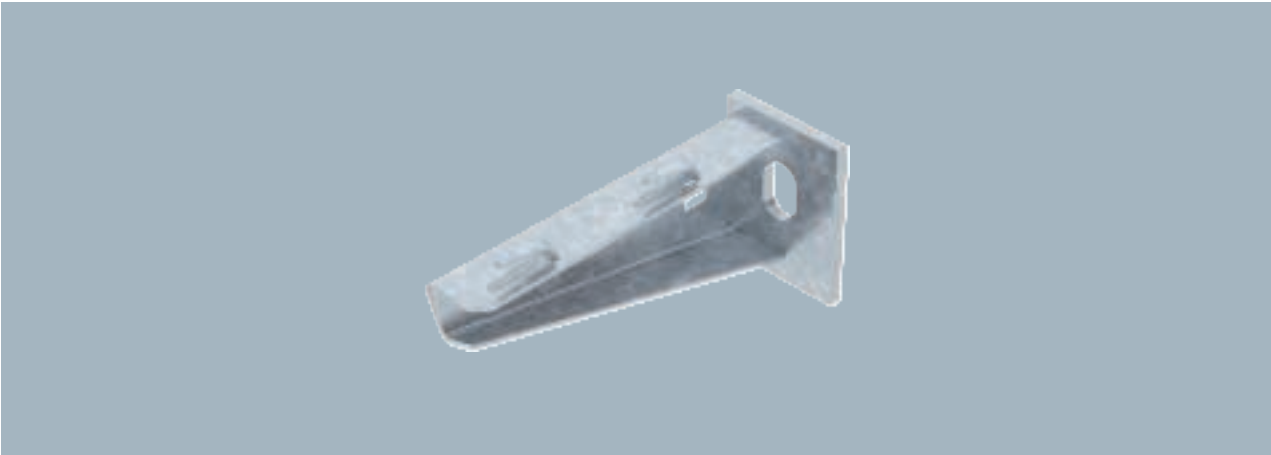
Max. total load F = cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Characteristic anchor load values for AW15 wall bracket – wall fastening

Load [kN]	110	210	310	410	
Bracket width [mm]					
Anchor type					
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65	410
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket AWG 15

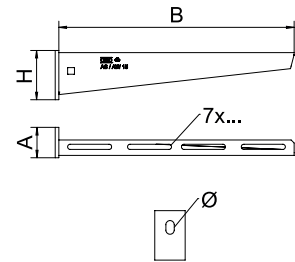


Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.

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

Type	Width mm	F in kN kN	BS				Pack Piece	Weight kg/100 pc.	Item no.
AW G 15 11 FT	110	1.5					1	14.000	6420606
AW G 15 16 FT	160	1.5					1	20.000	6420607
AW G 15 21 FT	210	60	40	210	11		1	26.000	6420608
AW G 15 31 FT	310	65	40	310	11		1	35.000	6420610
AW G 15 41 FT	410	70	40	410	11		1	56.000	6420612
AW G 15 51 FT	510	1.5					1	69.000	6420614
AW G 15 61 FT	610	1.5					1	84.000	6420616

Dimensions



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

Load

Characteristic anchor load values for wall bracket AWG 15 – wall fastening

Item on test	Force F (SWL)	Width B
AWG 15 11 FT	0.15 kN	110 mm
AWG 15 16 FT	0.15 kN	160 mm
AWG 15 21 FT	0.15 kN	210 mm
AWG 15 31 FT	0.15 kN	310 mm
AWG 15 41 FT	0.15 kN	410 mm
AWG 15 51 FT	0.15 kN	510 mm
AWG 15 61 FT	0.15 kN	610 mm

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

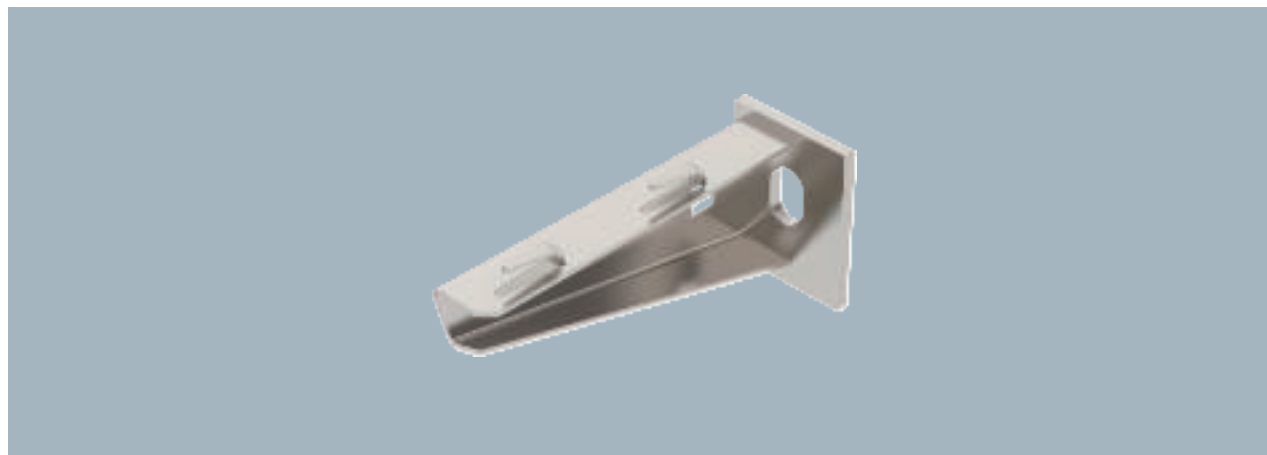
Characteristic anchor load values for AW G 15 wall bracket – wall fastening

Load [kN]				
Bracket width [mm]	110	210	310	410
Anchor type				
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket AWG 15



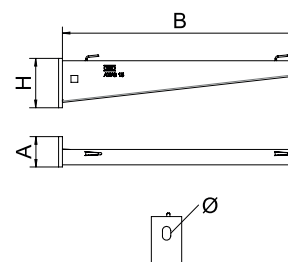
Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AWG 15 11 A2	110	1.5	1	13.000	6420625
AWG 15 21 A2	210	1.5	1	25.000	6420628
AWG 15 41 A2	410	1.5	1	53.000	6420634
AWG 15 51 A2	510	1.5	1	65.000	6420637
AWG 15 61 A2	610	1.5	1	80.000	6420640

Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.

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

Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AWG 15 11 A2	110	40	50	11
AWG 15 21 A2	210	40	60	11
AWG 15 41 A2	410	40	70	11
AWG 15 51 A2	510	40	75	11
AWG 15 61 A2	610	40	80	11

Dimensions



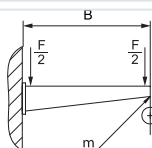
Characteristic anchor load values for wall bracket AWG 15 - wall fastening

Item on test	Force F (SWL)	Length L
AWG 15 11 A2	0.15 kN	110 mm
AWG 15 21 A2	0.15 kN	210 mm
AWG 15 31 A2	0.15 kN	310 mm
AWG 15 41 A2	0.15 kN	410 mm
AWG 15 51 A2	0.15 kN	510 mm
AWG 15 61 A2	0.15 kN	610 mm

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket



Load

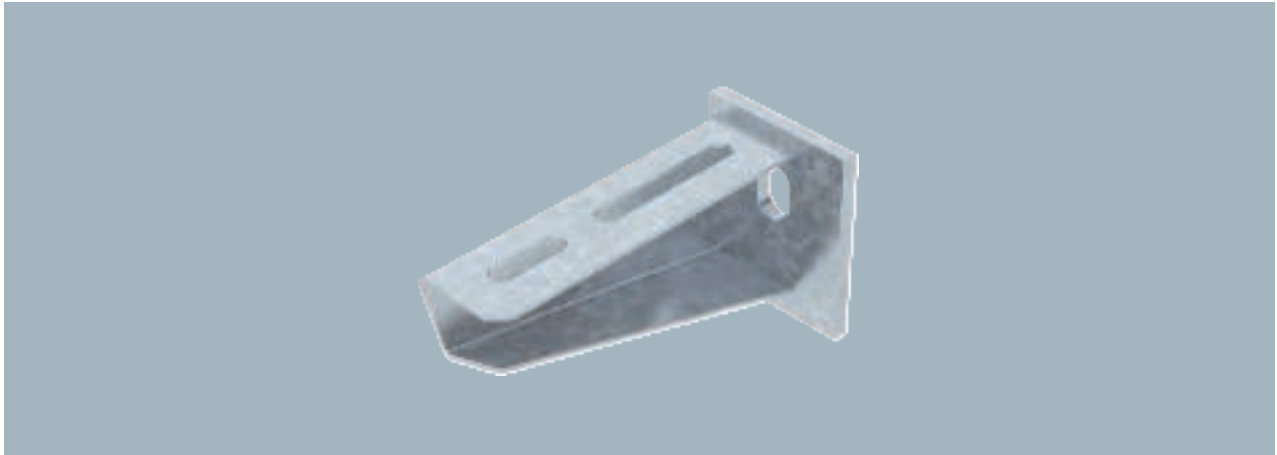
Characteristic anchor load values for AW G 15 wall bracket – wall fastening

Load [kN]				
Bracket width [mm]	110	210	310	410
Anchor type				
BZ-U 8-10-21/75	1.2	0.95	0.7	0.65
BZ-U 10-10-30/90	1.2	1.2	1.2	1.2

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

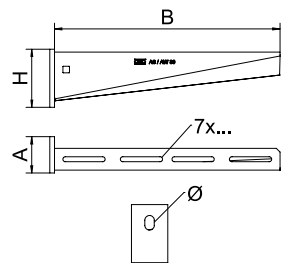
Wall and support bracket AW 30



Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Medium-duty wall and support bracket with welded head plate.

Type	Width mm	F in kN kN	BS	Pack Piece	Weight kg/100 pc.	Item no.
AW 30 11 FT	110	3		1	22.000	6419704
AW 30 16 FT	160	3		1	33.000	6419712
AW 30 21 FT	210	3		1	39.300	6419720
AW 30 31 FT	310	3		1	63.000	6419747
AW 30 41 FT	410	3		1	88.500	6419763
AW 30 51 FT	510	3		1	129.000	6419798
AW 30 61 FT	610	3		1	157.000	6419828
AW 30 71 FT	710	3		1	207.000	6419836

Dimensions

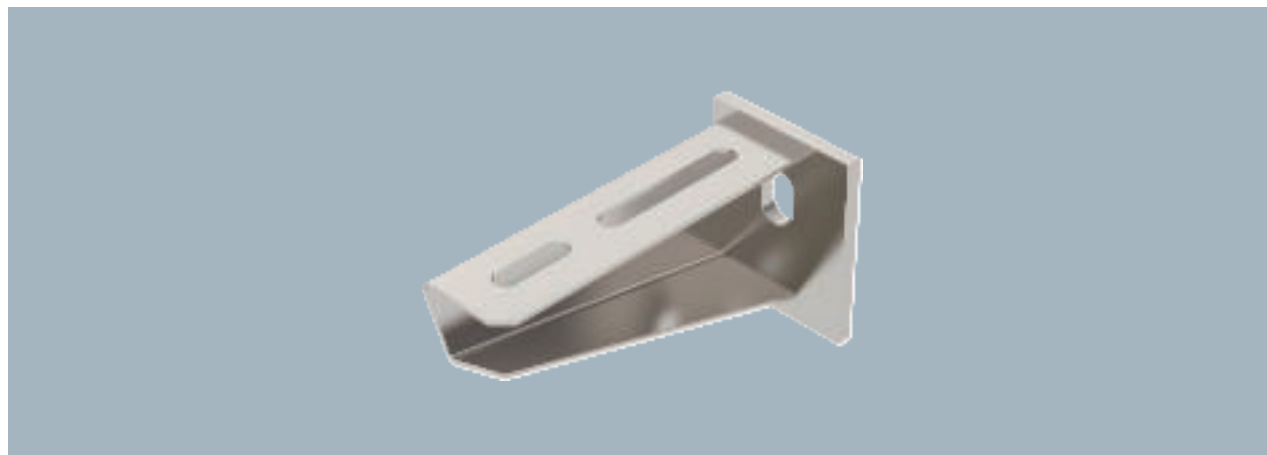


Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 30 11 FT	110	50	60	11
AW 30 16 FT	160	50	65	11
AW 30 21 FT	210	50	70	13
AW 30 31 FT	310	50	80	13
AW 30 41 FT	410	50	80	13
AW 30 51 FT	510	50	90	13
AW 30 61 FT	610	50	100	13
AW 30 71 FT	710	50	100	13

Load

		Characteristic anchor load values for wall bracket AW 30 - wall fastening							
		Item on test	Force F (SWL)	Width B					
		AW 30 11 FT	3 kN	110 mm					
		AW 30 16 FT	3 kN	160 mm					
		AW 30 21 FT	3 kN	210 mm					
		AW 30 31 FT	3 kN	310 mm					
		AW 30 41 FT	3 kN	410 mm					
		AW 30 51 FT	3 kN	510 mm					
		AW 30 61 FT	3 kN	610 mm					
		AW 30 71 FT	3 kN	710 mm					
		Deformation measuring point m							
		According to IEC 61537, Chapter 10.8.1							
		Max. total load F = Cable weight + cable tray + bracket							
Characteristic anchor load values for AW 30 wall and support bracket – wall fastening									
Load [kN]									
Bracket width [mm]	110	160	210	310	410	510	560		
Anchor type									
BZ-U 10-10-30/90	1.5	2.1	1.65	1.4	1.5	1	1		
BZ 12-15-35/110	3.00	2.65	2.9	1.5	1.9	1.8	1.75		
The load capacity values increase considerably when used in uncracked concrete.									
The specified values are based on concrete of resistance grade C20/25. Please									
comply with the installation conditions of the DIBt approval (anchors).									

Wall and support bracket AW 30

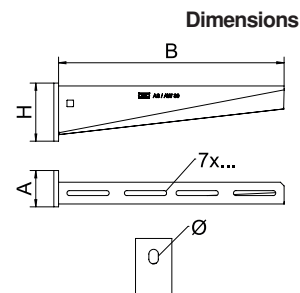


Type	Width mm	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 30 11 A2	110	3	1	21.000	6442803
AW 30 21 A2	210	3	1	37.500	6442838
AW 30 31 A2	310	3	1	60.500	6442854
AW 30 41 A2	410	3	1	85.200	6442870
AW 30 51 A2	510	3	1	124.800	6442897
AW 30 61 A2	610	3	1	154.000	6442919

Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.

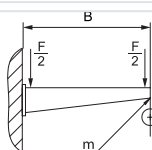
Medium-duty wall and support bracket with welded head plate.

Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 30 11 A2	110	50	60	11
AW 30 21 A2	210	50	70	13
AW 30 31 A2	310	50	80	13
AW 30 41 A2	410	50	80	13
AW 30 51 A2	510	50	90	13
AW 30 61 A2	610	50	100	13



Characteristic anchor load values for wall bracket AW 30 - wall fastening

Item on test	Force F (SWL)	Width B
AW 30 11 A2	3 kN	110 mm
AW 30 21 A2	3 kN	210 mm
AW 30 31 A2	3 kN	310 mm
AW 30 41 A2	3 kN	410 mm
AW 30 51 A2	3 kN	510 mm
AW 30 61 A2	3 kN	610 mm



Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AW 30 wall and support bracket – wall fastening

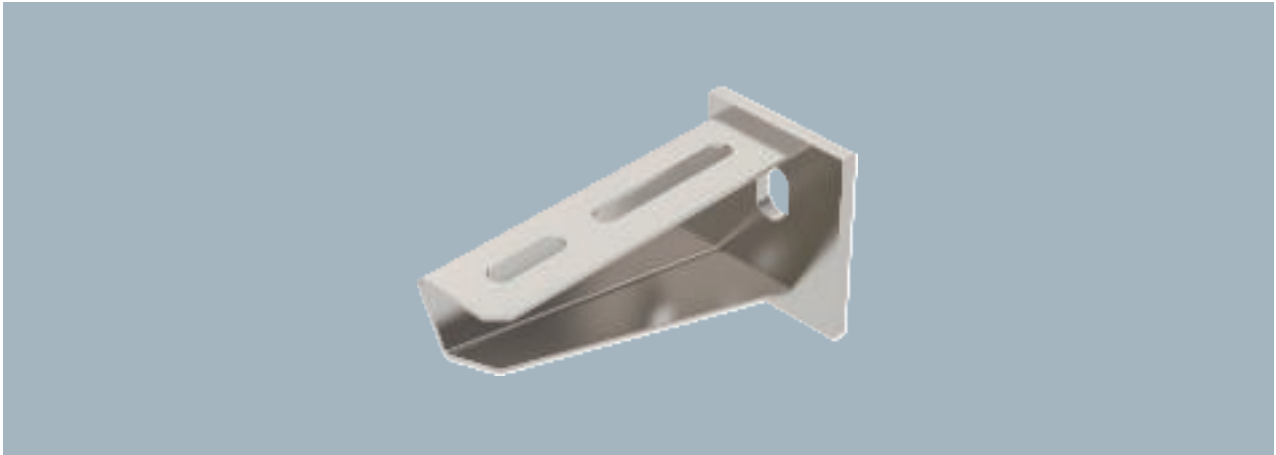
Load [kN]							
Bracket width [mm]	110	160	210	310	410	510	560
Anchor type							
BZ-U 10-10-30/90	1.5	2.1	1.65	1.4	1.5	1	1
BZ 12-15-35/110	3.00	2.65	2.9	1.5	1.9	1.8	1.75

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Load

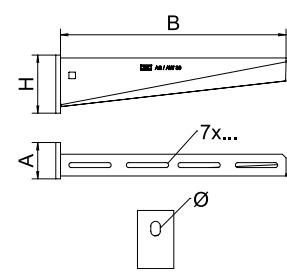
Wall and support bracket AW 30



Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Medium-duty wall and support bracket with welded head plate.

Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 30 11 A4	110	3	1	21.000	6443615
AW 30 21 A4	210	3	1	37.500	6443311
AW 30 31 A4	310	3	1	60.500	6443621
AW 30 41 A4	410	3	1	85.200	6443346
AW 30 51 A4	510	3	1	124.800	6443625
AW 30 61 A4	610	3	1	154.000	6443627

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 30 11 A4	110	50	60	11
AW 30 21 A4	210	50	70	13
AW 30 31 A4	310	50	80	13
AW 30 41 A4	410	50	80	13
AW 30 51 A4	510	50	90	13
AW 30 61 A4	610	50	100	13

Load

Characteristic anchor load values for wall bracket AW 30 - wall fastening

Item on test	Force F (SWL)	Width B
AW 30 11 A4	3 kN	110 mm
AW 30 21 A4	3 kN	210 mm
AW 30 31 A4	3 kN	310 mm
AW 30 41 A4	3 kN	410 mm
AW 30 51 A4	3 kN	510 mm
AW 30 61 A4	3 kN	610 mm

Deformation measuring point m
According to IEC 61537, Chapter 10.8.1
Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AW 30 wall and support bracket – wall fastening

Load [kN]	110	160	210	310	410	510	560
Bracket width [mm]							
Anchor type							
BZ-U 10-10-30/90	1.5	2.1	1.65	1.4	1.5	1	1
BZ 12-15-35/110	3.00	2.65	2.9	1.5	1.9	1.8	1.75

The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket AW 55

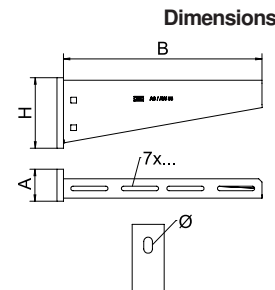


Type	Width mm	F in kN	BS	Pack Piece	Weight kg/100 pc.	Item no.
AW 55 21 FT	210	5.5		1	75.700	6418554
AW 55 31 FT	310	5.5		1	122.000	6418570
AW 55 41 FT	410	5.5		1	164.400	6418597
AW 55 51 FT	510	5.5		1	238.200	6418619
AW 55 56 FT	560	5.5		1	282.000	6418627
AW 55 61 FT	610	5.5		1	305.000	6418635
AW 55 71 FT	710	5.5		1	418.000	6418651
AW 55 81 FT	810	5.5		1	477.000	6418686
AW 55 91 FT	910	5.5		1	558.000	6418708
AW 55 101 FT	1010	5.5		1	640.000	6418724

Heavy-duty wall and support bracket with welded head plate.

Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.

Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 55 21 FT	210	50	90	13.5
AW 55 31 FT	310	50	110	13.5
AW 55 41 FT	410	50	130	13.5
AW 55 51 FT	510	60	145	13.5
AW 55 56 FT	560	60	165	13.5
AW 55 61 FT	610	60	165	13.5
AW 55 71 FT	710	60	195	13.5
AW 55 81 FT	810	60	195	13.5
AW 55 91 FT	910	60	215	13.5
AW 55 101 FT	1010	60	230	13.5



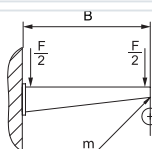
Characteristic anchor load values for wall bracket AW 55 - wall fastening

Item on test	Force F (SWL)	Width B
AW 55 21 FT	0.950 kN	210 mm
AW 55 31 FT	0.950 kN	310 mm
AW 55 41 FT	0.950 kN	410 mm
AW 55 51 FT	0.950 kN	510 mm
AW 55 56 FT	0.950 kN	560 mm
AW 55 61 FT	0.950 kN	610 mm
AW 55 71 FT	0.950 kN	710 mm
AW 55 81 FT	0.950 kN	810 mm
AW 55 91 FT	0.950 kN	910 mm
AW 55 101 FT	0.950 kN	1,010 mm

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket



Characteristic anchor load values for AW 55 wall and support bracket – wall fastening

Load [kN]	210	310	410	510	560	610	710
Bracket width [mm]	210	310	410	510	560	610	710
Anchor type							
BZ-U 10-10-30/90	2.2	2.1	2	1.9	1.9	1.8	1.75
BZ 12-15-35/110	3.8	3.5	3.5	3.25	3.3	3	3
SZ-B 18/0x142	4.10	4.06	4.02	3.83	3.83	3.56	2.88

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Load

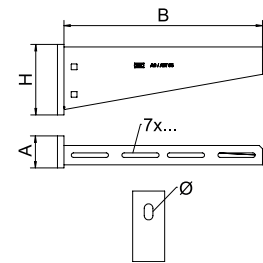
Wall and support bracket AW 55



Heavy-duty wall and support bracket with welded head plate.
Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.

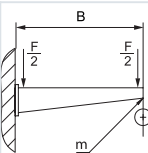
Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 55 21 A2	210	5.5	1	77.000	6443063
AW 55 31 A2	310	5.5	1	118.900	6443067
AW 55 41 A2	410	5.5	1	162.800	6443071
AW 55 51 A2	510	5.5	1	232.500	6443075
AW 55 61 A2	610	5.5	1	305.000	6443079
AW 55 71 A2	710	5.5	1	445.000	6443083

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 55 21 A2	210	50	90	13.5
AW 55 31 A2	310	50	110	13.5
AW 55 41 A2	410	50	130	13.5
AW 55 51 A2	510	60	145	13.5
AW 55 61 A2	610	60	165	13.5
AW 55 71 A2	710	60	195	13.5

Load



Characteristic anchor load values for wall bracket AW 55 - wall fastening

Item on test	Force F (SWL)	Width B
AW 55 21 A2	0.950 kN	210 mm
AW 55 31 A2	0.950 kN	310 mm
AW 55 41 A2	0.950 kN	410 mm
AW 55 51 A2	0.950 kN	510 mm
AW 55 61 A2	0.950 kN	610 mm
AW 55 71 A2	0.950 kN	710 mm

Deformation measuring point m
According to IEC 61537, Chapter 10.8.1
Max. total load F = Cable weight + cable tray + bracket

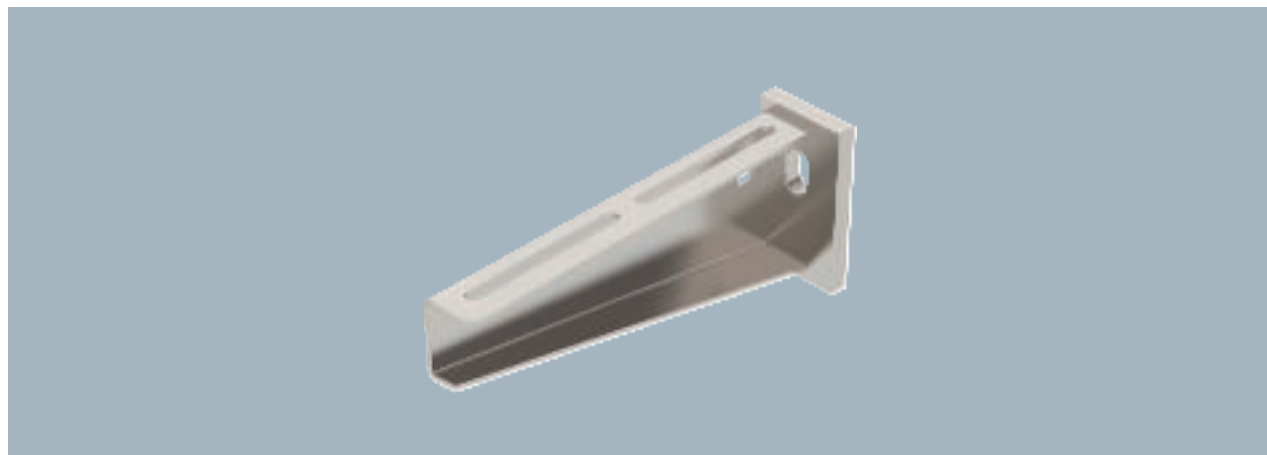
Characteristic anchor load values for AW 55 wall and support bracket – wall fastening

Load [kN]	210	310	410	510	560	610	710
Bracket width [mm]	210	310	410	510	560	610	710
Anchor type							
BZ-U 10-10-30/90	2.2	2.1	2	1.9	1.9	1.8	1.75
BZ 12-15-35/110	3.8	3.5	3.5	3.25	3.3	3	3
SZ-B 18/0x142	4.10	4.06	4.02	3.83	3.83	3.56	2.88

The load capacity values increase considerably when used in uncracked concrete.
The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and support bracket AW 55

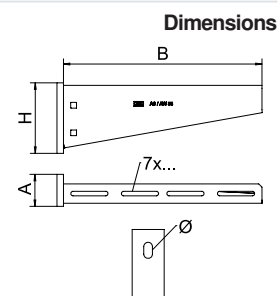
VA 2B



Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 55 21 A4	210	5.5	1	77.000	6418557
AW 55 31 A4	310	5.5	1	118.900	6418573
AW 55 41 A4	410	5.5	1	162.800	6418601
AW 55 51 A4	510	5.5	1	232.500	6418622
AW 55 61 A4	610	5.5	1	305.000	6418638

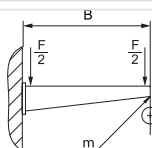
Fastening of the bracket to the U support of width 400 mm or greater using a hexagonal bolt through both sides of the support. Please insert suitable spacers.
Heavy-duty wall and support bracket with welded head plate.

Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 55 21 A4	210	50	90	13.5
AW 55 31 A4	310	50	110	13.5
AW 55 41 A4	410	50	130	13.5
AW 55 51 A4	510	60	145	13.5
AW 55 61 A4	610	60	165	13.5



Characteristic anchor load values for wall bracket AW 55 - wall fastening

Item on test	Force F (SWL)	Width B
AW 55 21 A4	0.950 kN	210 mm
AW 55 31 A4	0.950 kN	310 mm
AW 55 41 A4	0.950 kN	410 mm
AW 55 51 A4	0.950 kN	510 mm
AW 55 61 A4	0.950 kN	610 mm



Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AW 55 wall and support bracket – wall fastening

Load [kN]	210	310	410	510	560	610	710
Bracket width [mm]	210	310	410	510	560	610	710
Anchor type							
BZ-U 10-10-30/90	2.2	2.1	2	1.9	1.9	1.8	1.75
BZ 12-15-35/110	3.8	3.5	3.5	3.25	3.3	3	3
SZ-B 18/0x142	4.10	4.06	4.02	3.83	3.83	3.56	2.88

The load capacity values increase considerably when used in uncracked concrete.

The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Load

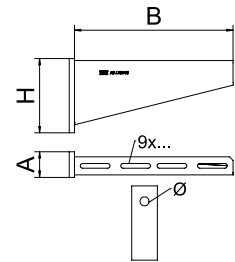
Wall bracket AW 80



When fastening cable trays and ladders with truss-head bolts of size M6, please order large washers separately (perforation in bracket 9 x ...).
Heavy-duty wall bracket with welded head plate.

Type	Width mm	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AW 80 21 FT	210	8	1	104.000	6417752
AW 80 31 FT	310	8	1	160.000	6417779
AW 80 41 FT	410	8	1	213.000	6417795
AW 80 51 FT	510	8	1	355.000	6417817
AW 80 61 FT	610	8	1	433.000	6417833
AW 80 71 FT	710	8	1	525.000	6417868
AW 80 81 FT	810	8	1	623.000	6417884

Dimensions



Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AW 80 21 FT	210	50	110	17.5
AW 80 31 FT	310	50	145	17.5
AW 80 41 FT	410	50	165	17.5
AW 80 51 FT	510	60	195	17.5
AW 80 61 FT	610	60	210	17.5
AW 80 71 FT	710	60	235	17.5
AW 80 81 FT	810	60	260	17.5

Load

Characteristic anchor load values for wall bracket AW 80 - wall fastening

Item on test	Force F (SWL)	Width B
AW 80 21 FT	8 kN	210 mm
AW 80 31 FT	8 kN	310 mm
AW 80 41 FT	8 kN	410 mm
AW 80 51 FT	8 kN	510 mm
AW 80 61 FT	8 kN	610 mm
AW 80 71 FT	8 kN	710 mm
AW 80 81 FT	8 kN	810 mm

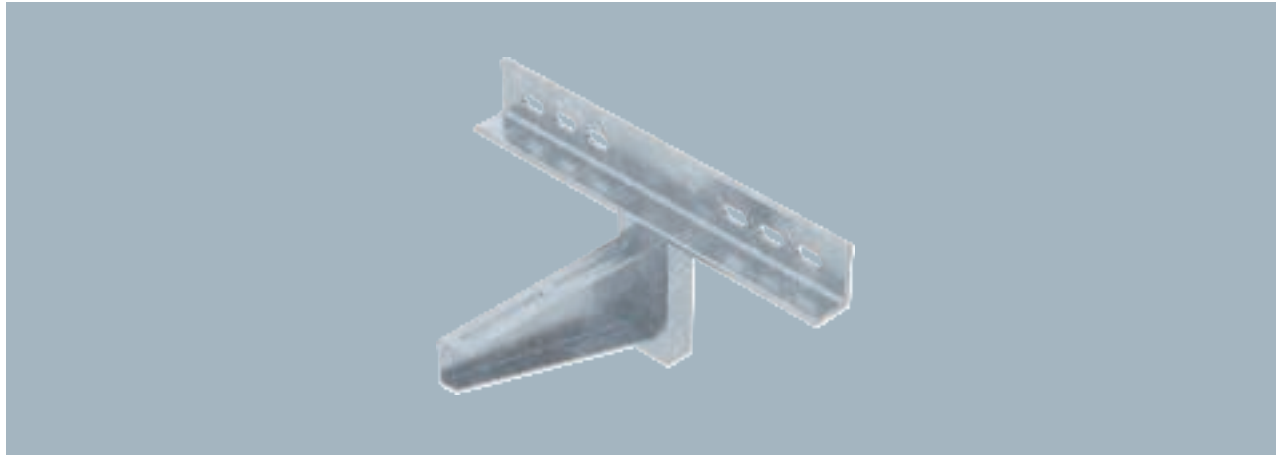
Deformation measuring point m
According to IEC 61537, Chapter 10.8.1
Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AW 80 wall and support bracket – wall fastening

Load [kN]	210	310	410	510	610	710	810
Bracket width [mm]							
Anchor type							
BZ 12-15-35/110	4.75	4.6	4.5	4.5	4.25	3.8	3.5
BZ 16-15-35/135	6.5	6.7	5.8	5.6	5.3	4.6	4.3

The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Please comply with the installation conditions of the DIBt approval (anchors).

Wall and clamping bracket AWSS



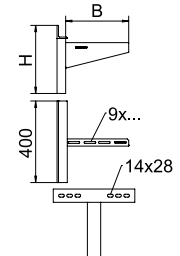
Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AWSS 21 FT	210	10	1	305.100	6417906
AWSS 31 FT	310	10	1	533.600	6417910
AWSS 41 FT	410	10	1	584.400	6417914
AWSS 51 FT	510	10	1	693.000	6417918
AWSS 61 FT	610	10	1	742.300	6417922
AWSS 71 FT	710	8	1	840.000	6417926
AWSS 81 FT	810	7	1	923.000	6417930
AWSS 91 FT	910	6.5	1	1,020.000	6417934
AWSS 101 FT	1010	6	1	1,134.000	6417938

The heavy-duty wall bracket can be used in conjunction with wide span systems or for large support distances of cable tray or cable ladder systems.

Wall bracket, heavy duty.

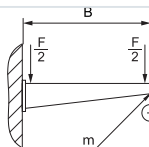
Type	Dim. B mm	Dim. A mm	Dim. H mm	Hole Ø mm
AWSS 21 FT	210	400	200	14
AWSS 31 FT	310	400	335	14
AWSS 41 FT	410	400	335	14
AWSS 51 FT	510	400	335	14
AWSS 61 FT	610	400	335	14
AWSS 71 FT	710	400	335	14
AWSS 81 FT	810	400	341	14
AWSS 91 FT	910	400	366	14
AWSS 101 FT	1010	400	391	14

Dimensions



Characteristic anchor load values for wall and clamping bracket AWSS - wall fastening

Item on test	Force F (SWL)	Width B
AWSS 21 FT	10 kN	210 mm
AWSS 31 FT	10 kN	310 mm
AWSS 41 FT	10 kN	410 mm
AWSS 51 FT	10 kN	510 mm
AWSS 61 FT	10 kN	610 mm
AWSS 71 FT	8 kN	710 mm
AWSS 81 FT	7 kN	810 mm
AWSS 91 FT	6.5 kN	910 mm
AWSS 101 FT	6 kN	1,010 mm



Load

Deformation measuring point m

According to IEC 61537, Chapter 10.8.1

Max. total load F = Cable weight + cable tray + bracket

Characteristic anchor load values for AWSS wall bracket – wall fastening

Load [kN]									
Bracket width [mm]	210	310	410	510	610	710	810	910	1,010
Anchor type									
BZ 12-15-35/110	10	10	10	10	10	8	7	6.5	6

Max. total load F = Cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Comply with the installation conditions of the DIBt approval (anchors). The testing of the widths 710–1,010 mm took place at the maximum route width (600 mm) with the load at the end of the bracket.

St FT

Type	Pack Piece	Weight kg/100 pc.	Item no.
KA-AW 30 FT	1	247.000	6346715
KA-AW 80 FT	1	424.000	6346731

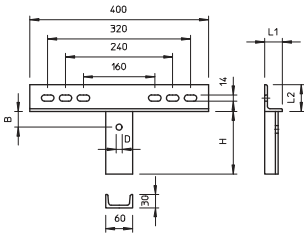
The bracket types AW 30, AW 55 ad AW 80 can be screwed to the adapter plate.
Please order the hexagonal bolt for bracket mounting (type SKS 12 x 40 GF) separately.
Adapter plate with slots for universal fastening to vertical steel girders and walls.

Adapter plate KA-AW 30



Type	Height mm	Width mm
KA-AW 30 FT	140	400
KA-AW 80 FT	270	400

Dimensions



St FT

Type	Pack Piece	Weight kg/100 pc.	Item no.
KA-E 45 FT	1	618.000	6346758

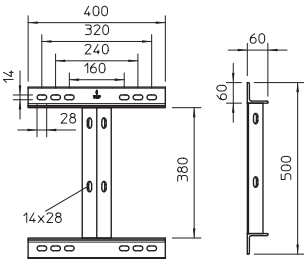
To support cable support systems in building corners and jumps. The hexagonal bolts, type SKS 12 x 40 GF, are used to fasten the brackets to the adapter plate. Please order the appropriate quantity.
Adapter plate with slots for universal fastening to vertical steel girders and walls. Wall and support brackets are screwed to the adapter plate at a 45° angle.

Adapter plate 45°



Type	Height mm	Width mm
KA-E 45 FT	500	400

Dimensions

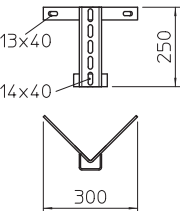


St FT

Type	Pack Piece	Weight kg/100 pc.	Item no.
KA-EA FT	1	201.000	6346763

Corner seat with welded U profile for fastening to 90° external corners. Wall and support brackets are screwed to the U profile.

Corner seat



Support bracket AS 15



Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AS 15 11 FT	110	1.5	1	27.400	6421326
AS 15 16 FT	160	1.5	1	32.800	6421334
AS 15 21 FT	210	1.5	1	39.400	6421350
AS 15 31 FT	310	1.5	1	46.500	6421385
AS 15 41 FT	410	1.5	1	66.000	6421423
AS 15 51 FT	510	1.5	1	79.600	6421466
AS 15 61 FT	610	1.5	1	87.100	6421490

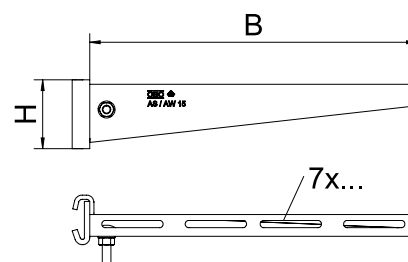
The support bracket can be fastened to both sides of the I support.

The necessary clamping lug (item no. 6419015), including bolt and nut can be ordered individually for bracket widths 110–160 mm.

Light-duty support bracket for infinitely adjustable fastening on IS 8 support.

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

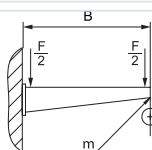
Dimensions



Characteristic anchor load values for AS 15 wall and support bracket – wall fastening

Item on test	Force F (SWL)	Width B
AS 15 11 FT	0.15 kN	110 mm
AS 15 16 FT	0.15 kN	160 mm
AS 15 21 FT	0.15 kN	210 mm
AS 15 31 FT	0.15 kN	310 mm
AS 15 41 FT	0.15 kN	410 mm
AS 15 51 FT	0.15 kN	510 mm
AS 15 61 FT	0.15 kN	610 mm

Max. total load F = Cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Comply with the installation conditions of the DIBt approval (anchors). The testing of the widths 710–1010 mm took place at the maximum route width (600 mm) with the load at the end of the bracket.



Load

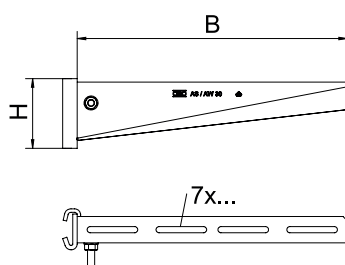
Support bracket AS 30



The support bracket can be fastened to both sides of the I support.
The individual clamping lug, including bolt, nut and washer can also be ordered separately under the item no. 6419007.
Medium-duty support bracket for infinitely adjustable fastening on IS 8 support.

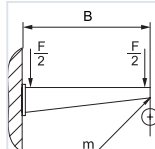
Type	Width mm	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AS 30 11 FT	110	3	1	30.000	6419370
AS 30 16 FT	160	3	1	37.000	6419376
AS 30 21 FT	210	3	1	44.000	6419382
AS 30 31 FT	310	3	1	73.000	6419388
AS 30 41 FT	410	3	1	100.000	6419394
AS 30 51 FT	510	3	1	140.000	6419400
AS 30 56 FT	560	3	1	155.000	6419406
AS 30 61 FT	610	3	1	168.000	6419412
AS 30 71 FT	710	3	1	214.000	6419418

Dimensions



Type	Dim. B mm	Dim. H mm
AS 30 11 FT	110	60
AS 30 16 FT	160	65
AS 30 21 FT	210	70
AS 30 31 FT	310	80
AS 30 41 FT	410	80
AS 30 51 FT	510	90
AS 30 56 FT	560	100
AS 30 61 FT	610	100
AS 30 71 FT	710	100

Load



Characteristic anchor load values for AS30 support bracket

Item on test	Force F (SWL)	Width B
AS 30 11 FT	3 kN	110 mm
AS 30 16 FT	3 kN	160 mm
AS 30 21 FT	3 kN	210 mm
AS 30 31 FT	3 kN	310 mm
AS 30 41 FT	3 kN	410 mm
AS 30 51 FT	3 kN	510 mm
AS 30 56 FT	3 kN	560 mm
AS 30 61 FT	3 kN	610 mm
AS 30 71 FT	3 kN	710 mm

Max. total load F = Cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Comply with the installation conditions of the DIBt approval (anchors). The testing of the widths 710–1010 mm took place at the maximum route width (600 mm) with the load at the end of the bracket.

Support bracket AS 55



Type	Width mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
AS 55 21 FT	210	5.5	1	74.200	6419286
AS 55 31 FT	310	5.5	1	133.000	6419292
AS 55 41 FT	410	5.5	1	153.000	6419298
AS 55 51 FT	510	5.5	1	233.000	6419304
AS 55 56 FT	560	5.5	1	260.000	6419310
AS 55 61 FT	610	5.5	1	283.000	6419316
AS 55 71 FT	710	5.5	1	385.000	6419322
AS 55 81 FT	810	5.5	1	409.200	6419328
AS 55 91 FT	910	5.5	1	517.000	6419334
AS 55 101 FT	1010	5.5	1	557.600	6419340

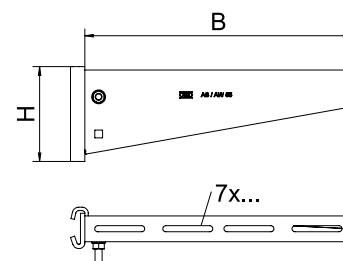
The support bracket can be fastened to both sides of the I support.

The individual clamping lug, including bolt, nut and washer can also be ordered separately under the item no. 6419007.

Heavy-duty support bracket for infinitely adjustable fastening on IS 8 support.

Type	Dim. B mm	Dim. H mm
AS 55 21 FT	210	90
AS 55 31 FT	310	110
AS 55 41 FT	410	130
AS 55 51 FT	510	145
AS 55 56 FT	560	165
AS 55 61 FT	610	165
AS 55 71 FT	710	195
AS 55 81 FT	810	195
AS 55 91 FT	910	195
AS 55 101 FT	1010	195

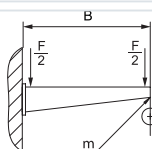
Dimensions



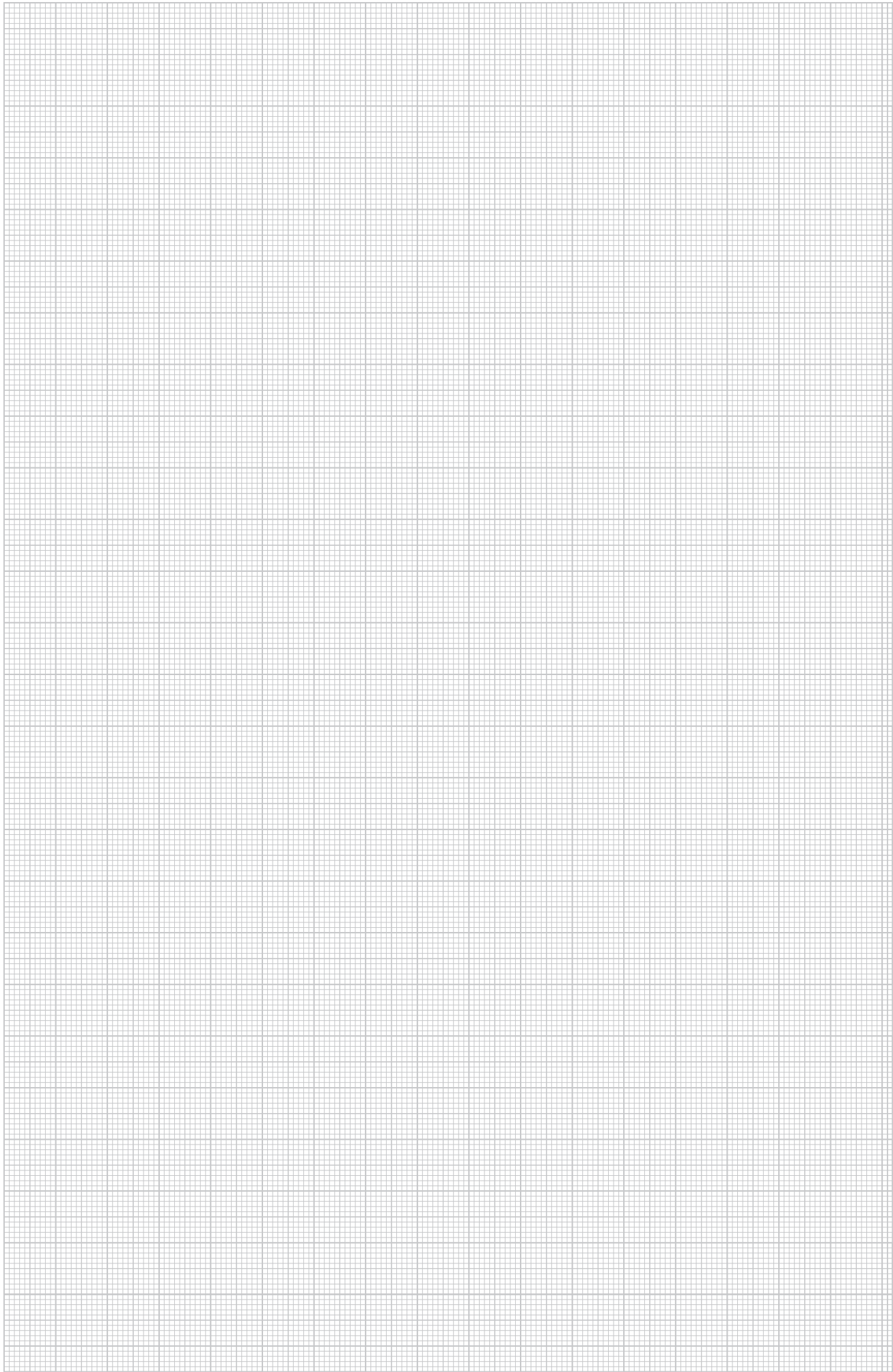
Characteristic anchor load values for AS55 support bracket

Item on test	Force F (SWL)	Width B
AS 55 21 FT	0.950 kN	210 mm
AS 55 31 FT	0.950 kN	310 mm
AS 55 41 FT	0.950 kN	410 mm
AS 55 51 FT	0.950 kN	510 mm
AS 55 56 FT	0.950 kN	560 mm
AS 55 61 FT	0.950 kN	610 mm
AS 55 71 FT	0.950 kN	710 mm
AS 55 81 FT	0.950 kN	810 mm
AS 55 91 FT	0.950 kN	910 mm
AS 55 101 FT	0.950 kN	1,010 mm

Max. total load F = Cable weight + cable tray + bracket. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance grade C20/25. Comply with the installation conditions of the DIBt approval (anchors). The testing of the widths 710–1010 mm took place at the maximum route width (600 mm) with the load at the end of the bracket.



Load

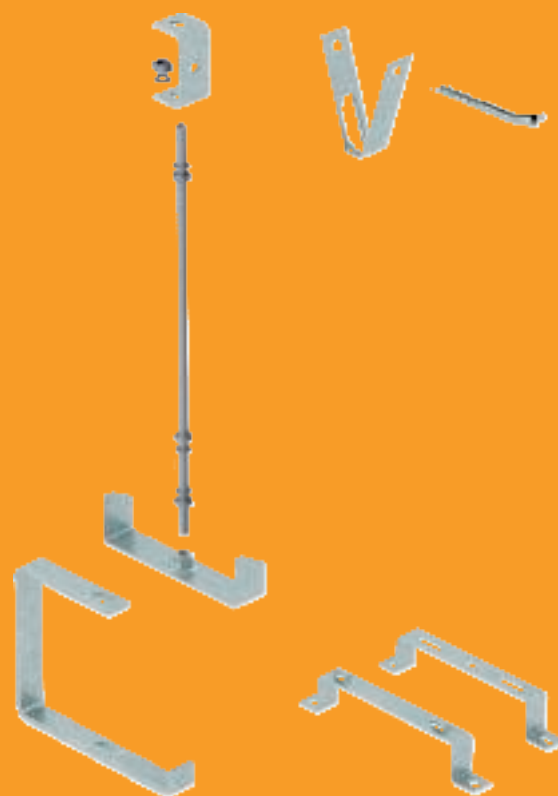




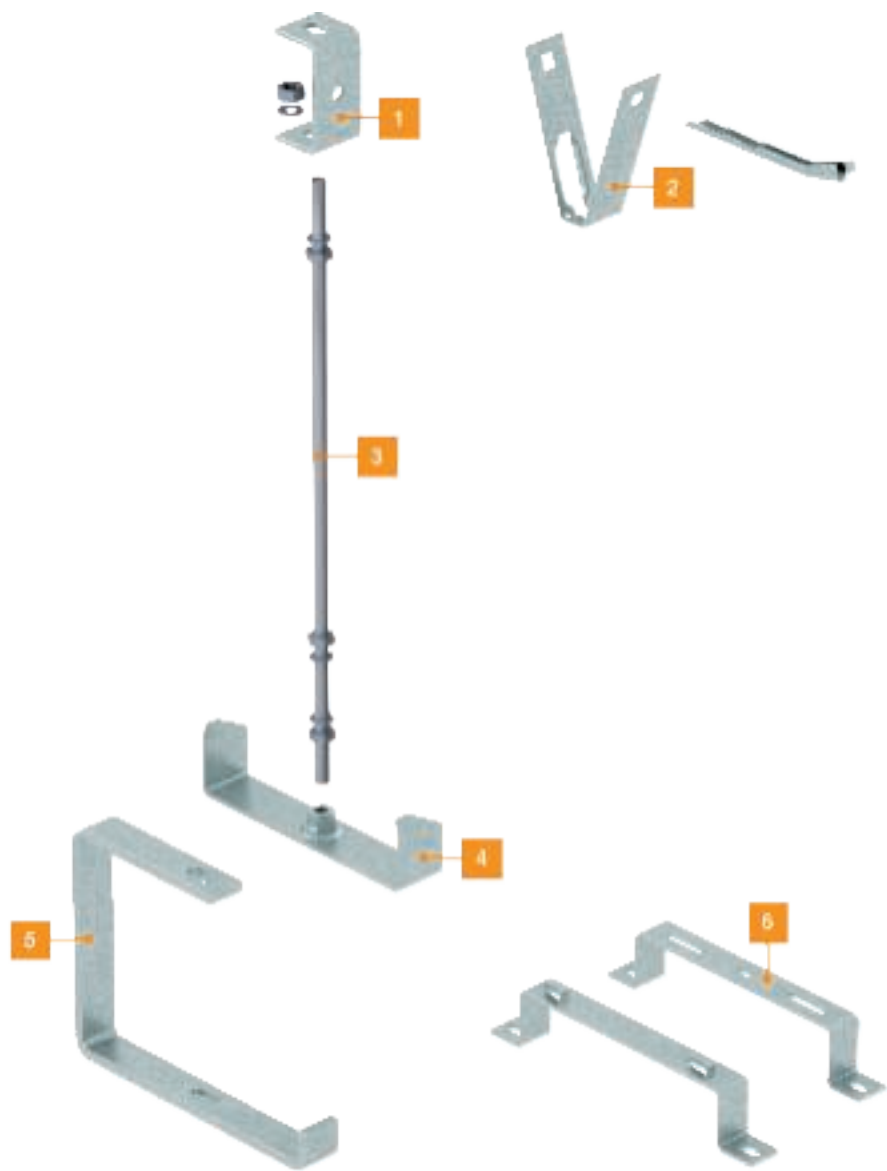
Universal systems

Universal systems for cable support structures are used for small loads. Whether the installation is to be a ceiling fastening, wall fastening or a floor stand-off: In the universal systems, you can find functional fastenings with matching system accessories for any application.

- Simple suspension
- Centre suspension
- Suitable for mesh cable trays and cable trays
- Floor mounting
- Matching system accessories



Installation principle



1	Ceiling bracket	DB
2	Trapezoidal fastening	TPB
3	Threaded rod	TR
4	Centre suspension	MAH 35
5	Suspension clamp	AHB-T1712 VA4547
6	Stand-off bracket	DBL 50



TP wall and ceiling bracket

St FS



Type	for width mm	F in kN ceiling	F in kN wall	Pack Piece	Weight kg/100 pc.	Item no.
TPD 145 FS	100	1.3	1.4	1	48.000	6363806
TPD 245 FS	200	0.8	0.87	1	66.000	6363814
TPD 345 FS	300	0.5	0.55	1	78.000	6363822
TPD 445 FS	400	0.35	0.45	1	93.300	6363826
TPD 545 FS	500	0.25	0.35	1	107.000	6363829

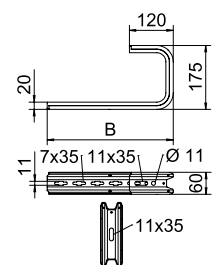
Important! If the wall and ceiling bracket is fastened directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.

Max. side height of the cable support system 60 mm.

TP wall and ceiling bracket for universal use.

Type	Dim. B mm
TPD 145 FS	145
TPD 245 FS	245
TPD 345 FS	345
TPD 445 FS	445
TPD 545 FS	545

Dimensions



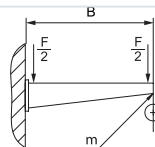
Load diagram, ceiling bracket TPD

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

Characteristic anchor load values for TPD wall and ceiling bracket - Wall fastening

Max. load F [kN]	145	245	345	445	545
Bracket length [mm]	145	245	345	445	545
Anchor type					
BZ-U 8-30-41/95	1	0.7	0.5	0.4	0.3
BZ-U 10-30-50/110	1.5	0.9	0.55	0.45	0.35

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



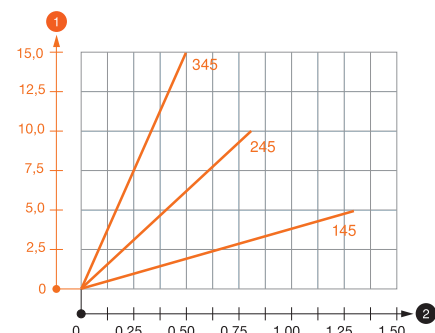
Characteristic anchor load values for TPD wall and ceiling bracket

Wall fastening		Max. load [kN]				
		Bracket length [mm]				
Anchor type		145	245	345	445	545
BZ-U 8-30-41/95		1,00	0,70	2,40	0,40	0,30
BZ-U 10-30-50/110		1,50	0,90	0,55	0,45	0,35

Ceiling fastening		Max. load F [kN]				
		Bracket width [mm]				
Anchor type		145	245	345	445	545
BZ-U 8-30-41/95		1,30	1,30	2,40	0,35	0,25
BZ-U 10-30-50/110		1,30	1,30	2,40	0,35	0,25

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

Load



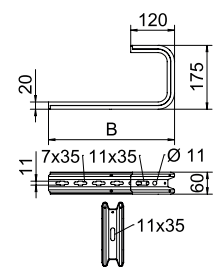
TP wall and ceiling bracket



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

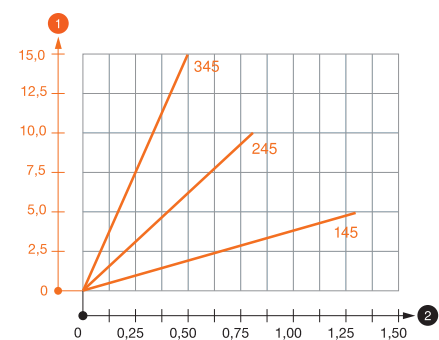
Type	for width mm	F in kN ceiling kN	F in kN wall kN	Pack Piece	Weight kg/100 pc.	Item no.
TPD 145 FT	100	1.3	1.4	1	54.000	6363861
TPD 245 FT	200	0.8	0.87	1	69.000	6363865
TPD 345 FT	300	0.5	0.55	1	83.000	6363869

Dimensions



Type	Dim. B mm	Dim. H mm
TPD 145 FT	145	175
TPD 245 FT	245	175
TPD 345 FT	345	175

Load



Load diagram, ceiling bracket TPD

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

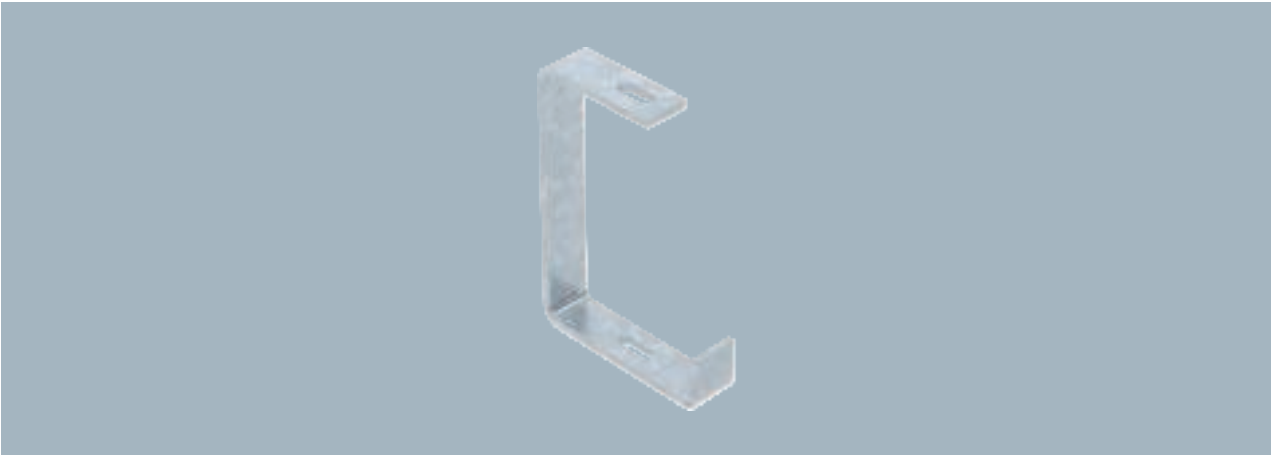
Characteristic anchor load values for TPD wall and ceiling bracket

Wall fastening		Max. load [kN]					
		Bracket length [mm]					
		145	245	345	445	545	
	Anchor type						
	BZ-U 8-30-41/95	1,00	0,70	2,40	0,40	0,30	
	BZ-U 10-30-50/110	1,50	0,90	0,55	0,45	0,35	

Ceiling fastening		Max. load F [kN]					
		Bracket width [mm]					
		145	245	345	445	545	
	Anchor type						
	BZ-U 8-30-41/95	1,30	1,30	2,40	0,35	0,25	
	BZ-U 10-30-50/110	1,30	1,30	2,40	0,35	0,25	

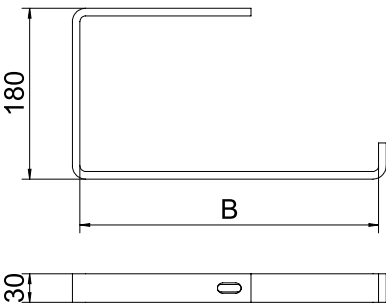
Max. total load F = cable weight + cable tray + ceiling bracket. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25.

Ceiling bracket

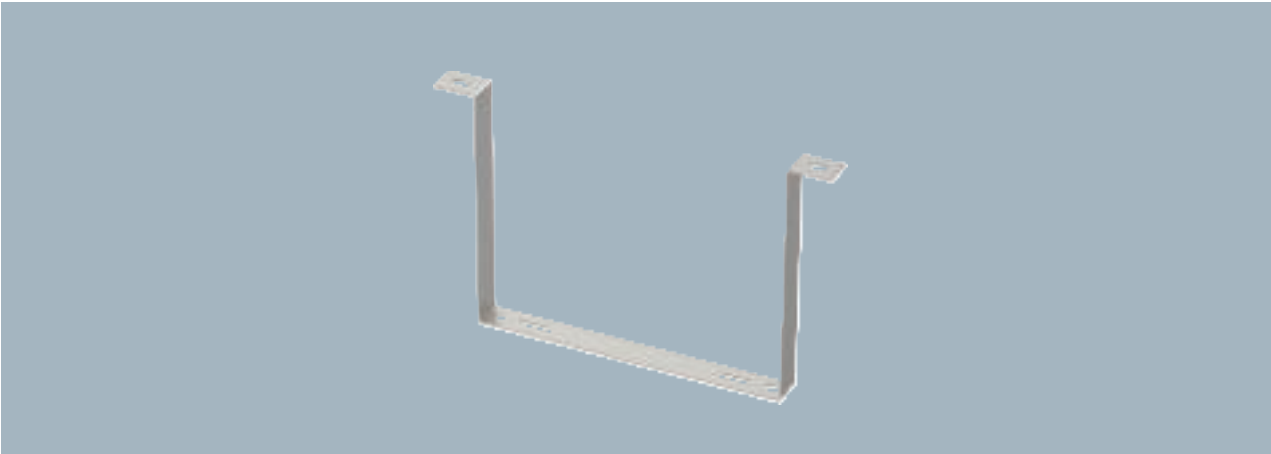


Type	for width mm	Dim. B mm	Hole Ø mm	F in kN ceiling kN	Pack Piece	Weight kg/100 pc.	Item no.
AHB 100 FT	100	115	11	0.6	1	54.000	6363903
AHB 150 FT	150	165	11	0.6	1	87.000	6363907
AHB 200 FT	200	215	11	0.6	1	101.000	6363911
AHB 300 FT	300	315	11	0.35	1	130.000	6363938
AHB 400 FT	400	415	11	0.2	1	157.000	6363946

Suspension bracket for cable support systems.

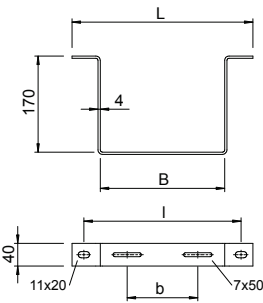


Suspension bracket for tunnels



Type	Dim. B mm	Dim. L mm	Dim. b mm	Dim. l mm	Pack Piece	Weight kg/100 pc.	Item no.
AHB-T1712 VA4547	120	220	25	180	16	49.200	6363997
AHB-T1722 VA4547	220	320	125	280	14	57.700	6364007
AHB-T1732 VA4547	320	420	225	380	11	67.200	6364017

Special suspension bracket for cable support systems in tunnels. Additional variants, such as adapter or connection clamps, as well as various head shapes, on request.



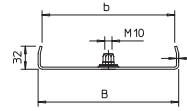
St FS

Centre suspension for cable tray, 35

Type	for width mm	For threaded rod	Dim. B mm	Dim. b mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
MAH 35 100 FS	100	M10	95	84	1.3	1	9.400	6358690
MAH 35 200 FS	200	M10	195	184	0.35	1	18.600	6358692
MAH 35 300 FS	300	M10	295	284	0.2	1	27.700	6358694

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

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



St FS FT

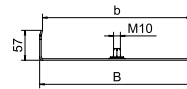
Centre suspension for cable tray, 60

Type	for width mm	For threaded rod	Dim. B mm	Dim. b mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
MAH 60 100 FS	100	M10	94	84	1.3	1	17.250	6358705
MAH 60 150 FS	150	M10	144	134	0.5	1	23.000	6358709
MAH 60 200 FS	200	M10	195	184	0.2	1	24.500	6358713
MAH 60 300 FS	300	M10	295	284	0.2	1	36.700	6358717
MAH 60 400 FS	400	M10	395	384	0.1	1	46.000	6358720
MAH 60 100 FT	100	M10	94	84	1.3	1	18.500	6358752
MAH 60 150 FT	150	M10	144	134	0.5	1	23.000	6358756
MAH 60 200 FT	200	M10	195	184	0.2	1	27.600	6358760
MAH 60 300 FT	300	M10	295	284	0.2	1	36.700	6358764

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

The widths 100, 150 and 200 mm have additional base perforations, in order to screw the centre suspensions to the tray base when used for the maintenance of electrical functionality according to DIN 4102 Part 12.

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

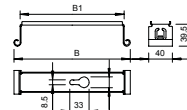
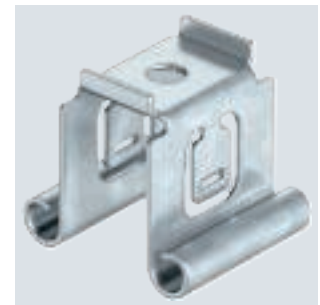


St FS

Centre suspension for cable trays with rolled side rail

Type	for width mm	Dim. B mm	Dimension B1 mm	Pack Piece	Weight kg/100 pc.	Item no.
MAH 050 FS	50	47	26	1	5.000	6358500
MAH 075 FS	75	72	51	1	6.500	6358510
MAH 100 FS	100	97	76	1	7.500	6358527
MAH 150 FS	150	147	126	1	8.000	6358535
MAH 200 FS	200	197	176	1	12.500	6358543

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

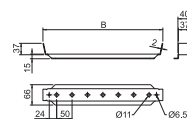
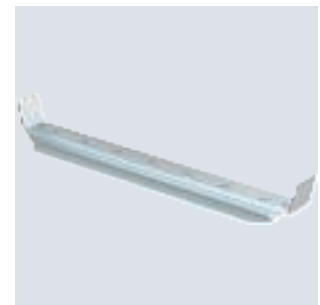


St FS

Central hanger for cable tray, KKLH 60

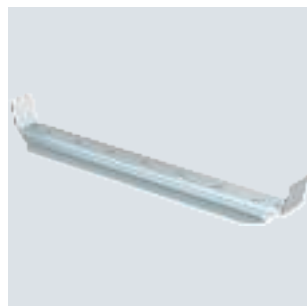
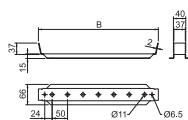
Type	Dim. B mm	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKLH 60 200 FS	200	EE	1	20.000	6358840
KKLH 60 300 FS	300	EE	1	38.500	6358844
KKLH 60 400 FS	400	EE	1	51.500	6358848
KKLH 60 600 FS	600	EE	1	71.000	6358851
KKLH 60 500 FS	500	EE	1	63.000	6358852

Centre suspension, universal, for fastening to threaded rods and supports.



Central hanger for cable tray, KKLH 60

St FS

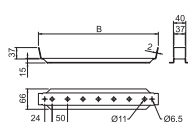


Type	Dim. B mm	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKLH 60 200 FS	200	LV	1	—	6358838
KKLH 60 300 FS	300	LV	1	—	6358842
KKLH 60 400 FS	400	LV	1	—	6358846
KKLH 60 500 FS	500	LV	1	—	6358849
KKLH 60 600 FS	600	LV	1	—	6358829

Centre suspension, universal, for fastening to threaded rods and supports.

Central hanger for cable tray, KKLH 60

St FS

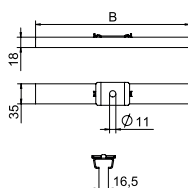


Type	Dim. B mm	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKLH 60 200 FS	200	LT	1	—	6358839
KKLH 60 300 FS	300	LT	1	—	6358843
KKLH 60 400 FS	400	LT	1	—	6358847
KKLH 60 500 FS	500	LT	1	—	6358850
KKLH 60 600 FS	600	LT	1	—	6358831

Centre suspension, universal, for fastening to threaded rods and supports.

Centre suspension mesh cable tray

St FS

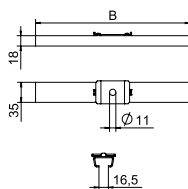


Type	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 170 FS	170	25	20.000	6015400
GMS 270 FS	270	25	32.000	6015402
GMS 370 FS	370	25	43.000	6015404
GMS 470 FS	470	10	55.000	6015406
GMS 570 FS	570	10	67.000	6015408

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

Centre suspension mesh cable tray

VA 2B



Type	Dim. B mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 170 A4	170	25	20.000	6015418
GMS 270 A4	270	25	32.000	6015419
GMS 370 A4	370	25	43.000	6015420
GMS 470 A4	470	10	55.000	6015421
GMS 570 A4	570	10	67.000	6015422

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

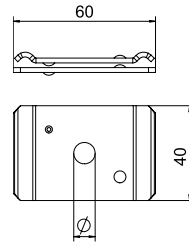
St FS FT

Centre suspension mesh cable tray

Type	Hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GMA M6 FS	7	25	8.000	6015220
GMA M8 FS	9	25	8.300	6015239
GMA M10 FS	11	25	8.300	6015247
GMA M6 FT	7	25	8.400	6015224
GMA M8 FT	9	25	8.300	6015243
GMA M10 FT	11	25	8.400	6015255

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

Two-part centre suspension of mesh cable trays.



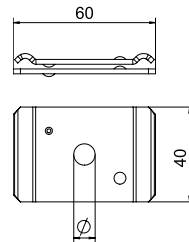
VA

Centre suspension mesh cable tray

Type	Hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
GMA M6 A4	7	25	8.400	6015228
GMA M8 A4	9	25	8.300	6015245
GMA M10 A4	11	25	8.300	6015261

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

Two-part centre suspension of mesh cable trays.

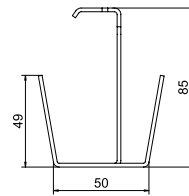
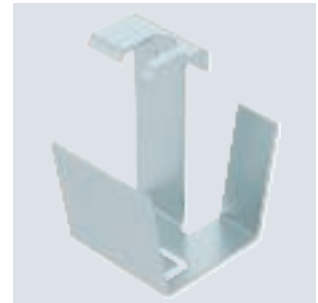


St FS FT

Centre suspension for luminaire support tray

Type	for width mm	For threaded rod	Pack Piece	Weight kg/100 pc.	Item no.
MAH LTR FS	75	M10	25	12.000	6358810
MAH LTR FT	75	M10	25	14.000	6358812

The central hanger can be used with all cable trays of width 75 mm and side height 60 mm.
Central hanger for luminaire support tray, type LTR, for threaded rod and chain suspension.

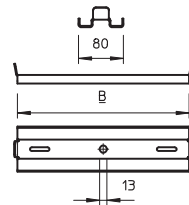


St FT

Centre suspension, cable ladder

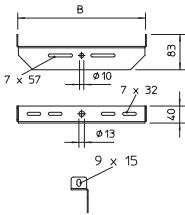
Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MAHL 200 FT	200	1	41.900	6358659
MAHL 300 FT	300	1	61.800	6358667
MAHL 400 FT	400	1	81.800	6358675
MAHL 500 FT	500	1	101.700	6358683
MAHL 600 FT	600	1	121.700	6358687

On filling, please ensure an even load distribution (no one-sided filling).
Centre suspension for cable ladders.



Centre suspension, universal

St FS FT

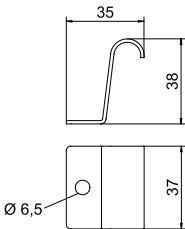


Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MAHU 200 FS	200	1	27.500	6358853
MAHU 300 FS	300	1	39.300	6358856
MAHU 400 FS	400	1	68.800	6358860
MAHU 500 FS	500	1	85.800	6358864
MAHU 600 FS	600	1	103.300	6358868
MAHU 200 FT	200	1	28.700	6358884
MAHU 300 FT	300	1	43.300	6358888
MAHU 400 FT	400	1	71.300	6358892
MAHU 500 FT	500	1	89.100	6358896
MAHU 600 FT	600	1	107.000	6358900

Preferred use of this centre suspension in combination with cable ladders and mesh cable trays.
Universal centre suspension for fastening to threaded rods and supports.

Hold-down clamp for Central hanger 60

St FS

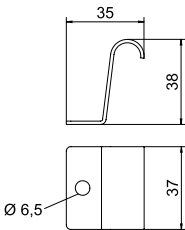


Type	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKF 60 FS	EE	1	33.000	6358836

Fastening on the centre suspension KKLH 60.
Hold-down clamp for fastening cable ladders.

Hold-down clamp for Central hanger 60

St FS

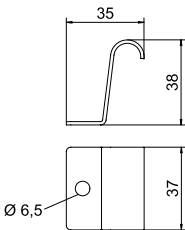


Type	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKF 60 FS	LV	1	—	6358834

Fastening on the KKLH 60 centre suspension.
Hold-down clamp for fastening cable ladders.

Hold-down clamp for Central hanger 60

St FS



Type	Additional information	Pack Piece	Weight kg/100 pc.	Item no.
KKF 60 FS	LT	1	—	6358835

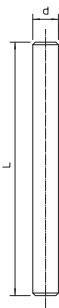
Fastening on the KKLH 60 centre suspension.
Hold-down clamp for fastening cable ladders.

St G

Threaded rod

Type	Thread	Dim. d mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
TR M6 1M G	M6	6	1000	10	18.300	3141047
TR M8 1M G	M8	8	1000	10	30.000	3141128
TR M10 1M G	M10	10	1000	10	49.000	3141209
TR M12 1M G	M12	12	1000	10	62.000	3141306
TR M6 2M G	M6	6	2000	10	36.600	3141048
TR M8 2M G	M8	8	2000	10	60.000	3141136
TR M10 2M G	M10	10	2000	10	98.000	3141140
TR M12 2M G	M12	12	2000	10	140.000	3141144
TR M10 3M G	M10	10	3000	20	147.000	3141233

Threaded rod to DIN 976.

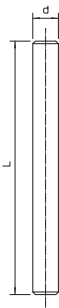


VA VA 2B

Threaded rod

Type	Thread	Dim. d mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
TR M6 1M A2	M6	6	1000	10	18.300	3141327
TR M8 1M A2	M8	8	1000	10	30.000	3141310
TR M10 1M A2	M10	10	1000	10	49.000	3141312
TR M12 1M A2	M12	12	1000	10	70.000	3141314
TR M6 2M A2	M6	6	2000	10	36.600	3141328
TR M8 2M A2	M8	8	2000	10	60.000	3141330
TR M10 2M A2	M10	10	2000	10	98.000	3141339
TR M12 2M A2	M12	12	2000	10	140.000	3141316
TR M6 1M A4	M6	6	1000	1	18.300	3141482
TR M8 1M A4	M8	8	1000	1	30.000	3141492
TR M10 1M A4	M10	10	1000	1	49.000	3141502
TR M6 2M A4	M6	6	2000	1	36.600	3141484
TR M8 2M A4	M8	8	2000	1	60.000	3141494

Threaded rod to DIN 976.



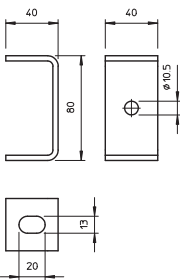
Clamp

St FT

Ceiling bracket

Type	Pack Piece	Weight kg/100 pc.	Item no.
DB FT	20	16.000	6356109

Ceiling bracket for threaded rod suspension.

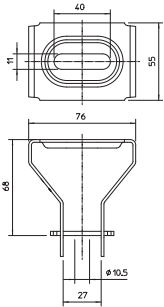
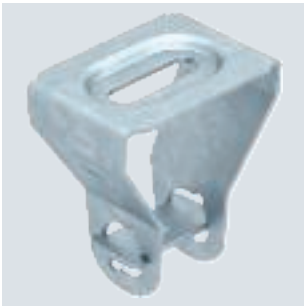


St FS

Ceiling clamp, variable

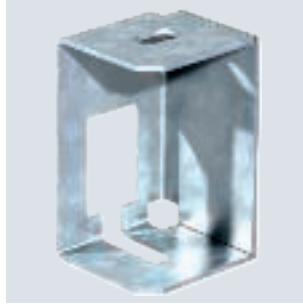
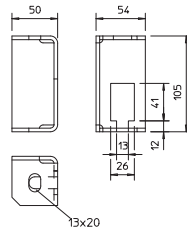
Type	Pack Piece	Weight kg/100 pc.	Item no.
DBV FS	20	18.200	6356055

The locked threaded rod seat offers the option of infinite angle adjustment.
Ceiling bracket for suspension with threaded rods. The variable adjustment permits universal use.



Fire protection clamp

St FT



Type

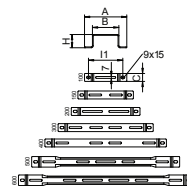
BSB FT

Pack Piece	Weight kg/100 pc.	Item no.
20	42.400	6418198

Fire protection clamp for ceiling fastening of the threaded rod lock for routing types with cable ladders and cable trays for the maintenance of electrical function to DIN 4102 Part 12.

Stand-off bracket

St FS FT

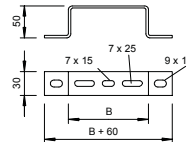


Type	Dim. A mm	Dim. B mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
DBL 50 100 FS	160	100	50	20	15.500	6015506
DBL 50 150 FS	210	150	50	20	18.800	6015514
DBL 50 200 FS	260	200	50	20	21.000	6015522
DBL 50 300 FS	360	300	50	20	36.900	6015530
DBL 50 400 FS	460	400	50	20	46.300	6015549
DBL 50 500 FS	560	500	50	25	57.200	6015552
DBL 50 600 FS	660	600	50	20	65.800	6015555
DBL 50 100 FT	160	100	50	20	16.000	6015565
DBL 50 150 FT	210	150	50	20	19.400	6015573
DBL 50 200 FT	260	200	50	20	22.000	6015581
DBL 50 300 FT	360	300	50	20	38.000	6015603
DBL 50 400 FT	460	400	50	20	47.700	6015611
DBL 50 500 FT	560	500	50	25	58.900	6015614
DBL 50 600 FT	660	600	50	20	67.800	6015617

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

Stand-off bracket

VA 2B



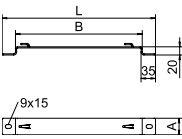
Type	Dim. A mm	Dim. B mm	Dim. H mm	Pack Piece	Weight kg/100 pc.	Item no.
DBL 50 100 A4	160	100	50	10	15.500	6015630
DBL 50 200 A4	260	200	50	10	22.800	6015632
DBL 50 300 A4	360	300	50	10	36.900	6015633
DBL 50 400 A4	460	400	50	10	46.300	6015634

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

St FS FT

Stand-off bracket

Type	Height mm	Dim. A mm	Dim. B mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
DBLG 20 050 FS	20	30	56	120	20	10.300	6015646
DBLG 20 100 FS	20	30	106	170	20	12.076	6015654
DBLG 20 150 FS	20	30	156	220	20	17.400	6015658
DBLG 20 200 FS	20	30	206	270	20	20.900	6015662
DBLG 20 300 FS	20	40	306	370	20	37.300	6015670
DBLG 20 400 FS	20	40	406	470	20	46.700	6015689
DBLG 20 500 FS	20	40	506	570	25	56.900	6015693
DBLG 20 600 FS	20	40	606	670	25	66.400	6015697
DBLG 20 050 FT	20	30	56	120	20	10.700	6015648
DBLG 20 100 FT	20	30	106	170	20	14.300	6015656
DBLG 20 150 FT	20	30	156	220	20	18.100	6015660
DBLG 20 200 FT	20	30	206	270	20	21.700	6015664
DBLG 20 300 FT	20	40	306	370	20	38.800	6015672
DBLG 20 400 FT	20	40	406	470	20	48.600	6015691
DBLG 20 500 FT	20	40	506	570	25	54.702	6015695
DBLG 20 600 FT	20	40	606	670	25	69.100	6015699



Screwless fastening of the mesh cable tray on the stand-off bracket.
Stand-off bracket for stand-off of mesh cable trays on the floor or on the wall.
GRM mesh cable tray types with side heights of 35, 55 and 105 mm can be mounted onto the spacer clamp.

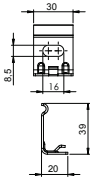
Bracket

St FT

Wall holder for GRM 35x50 mesh cable tray

Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
WH GRM35 FT	35	50	10	1.950	6016443

Wall mounting for wall fastening of mesh cable trays, type GRM 35 50

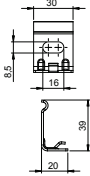


VA 2B

Wall holder for GRM 35x50 mesh cable tray

Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
WH GRM35 A4	35	50	10	1.950	6016445

Wall mounting for fastening of mesh cable trays GRM 35 50

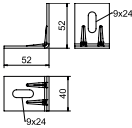


St FS FT

Ceiling bracket K6

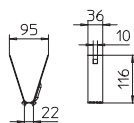
Type	Pack Piece	Weight kg/100 pc.	Item no.
K 6 101 FS	40	7.000	6343090
K 6 101 FT	40	7.000	6343104

Ceiling bracket for universal fixing to ceiling and wall, or on suspension profile, type AP 45.



Ceiling bracket, trapezoidal

St FS



Type	Material thickness mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB 100 FS	1.5	0.8	20	9.900	6357506

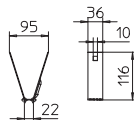
Important: Observe the statics of the trapezoidal metal ceiling.

Trapezoidal fastening for suspended mounting of cable support systems on standard trapezoidal ceilings.

When using the holes provided, the trapezoidal fastening can be mounted onto a trapezoidal profile width of up to approx. 80 mm. Fastening takes place with the type TPB R lock or a hexagonal bolt of type SKS 10x110.

Ceiling bracket, trapezoidal

VA 2B



Type	Material thickness mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB 100 A2	1.5	0.8	20	9.900	6357516

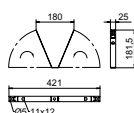
Important: Observe the statics of the trapezoidal metal ceiling.

Trapezoidal fastening for suspended mounting of cable support systems on standard trapezoidal ceilings.

When using the holes provided, the trapezoidal fastening can be mounted onto a trapezoidal profile width of up to approx. 80 mm. Fastening takes place with the type TPB R lock or a hexagonal bolt of type SKS 10x110.

Trapezoidal fastening

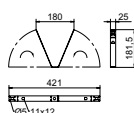
St FS



Type	Material thickness mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB 180 FS	1.5	0.8	20	11.400	6357522

Trapezoidal fastening

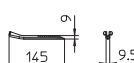
VA 2B



Type	Material thickness mm	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB 180 A2	1.5	0.8	20	11.400	6357524

Splint for trapezoidal ceiling bracket

St FS



Type	Material thickness mm	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB R FS	1.5	0.8	20	3.100	6357536

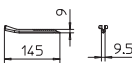
Important: Observe the statics of the trapezoidal metal ceiling.

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

VA 2B

Splint for trapezoidal ceiling bracket

Type	Material thickness mm	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
TPB R A2	1.5	0.8	20	3.100	6357538



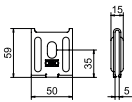
Important: Observe the statics of the trapezoidal metal ceiling.
Splint for fastening and securing the ceiling bracket to trapezoidal ceilings.

Holdings and fastenings

St FS

Wall clamp / central hanger

Type	Pack Piece	Weight kg/100 pc.	Item no.
K 12 1818 FS	25	8.772	6437109

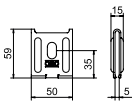


As wall fastening up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.
As a pendulum suspension from a width of 300 mm.
Wall clamp and central hanger for mesh cable trays.

VA 2B

Wall clamp / central hanger

Type	Pack Piece	Weight kg/100 pc.	Item no.
K12 1818 A2	25	8.772	6016421

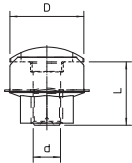
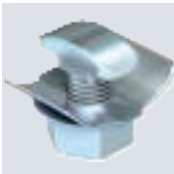


As wall fastening up to max. mesh cable tray width 200 mm.
As centre suspension up to max. mesh cable tray width 200 mm.
As a pendulum suspension from a width of 300 mm.
Wall clamp and central hanger for mesh cable trays.

St F

Quick connector

Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Pack Piece	Weight kg/100 pc.	Item no.
FCM F	M6 x 12	12	6	13.5	50	0.720	6424548

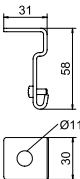


The quick fastening can then be mounted in all brackets with 7 x ... perforation at a later date.
Quick connector for efficient fastening of cable tray on brackets.

St FS FT

Side holder

Type	Pack Piece	Weight kg/100 pc.	Item no.
SH M10 FS	50	5.800	6015336
SH M10 FT	50	6.000	6015338

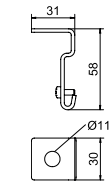


Side holder for suspension of mesh cable trays.

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Side holder

VA2B

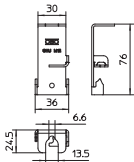


Type	Pack Piece	Weight kg/100 pc.	Item no.
SH M10 A4	20	5.500	6015340

Side holder for suspension of mesh cable trays.

Side holder, universal

StFSDD

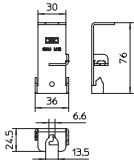


Type	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
SHU M12 FS	0.5	50	5.100	6015322
SHU M12 DD	0.5	50	5.100	6015324

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

Side holder, universal

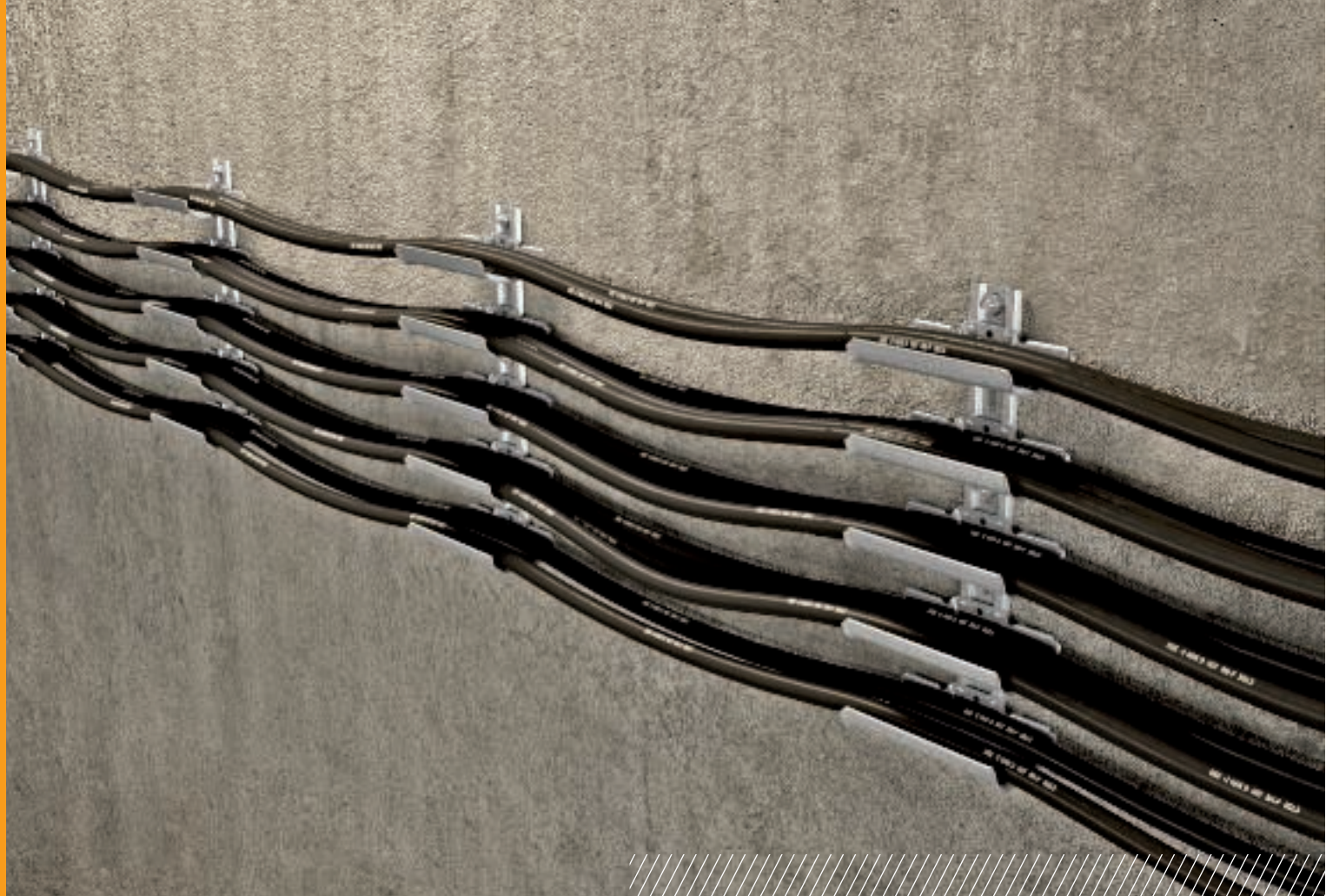
VAVA2B



Type	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
SHU M12 A2	0.5	50	5.100	6015326
SHU M12 A4	0.5	50	5.100	6015328

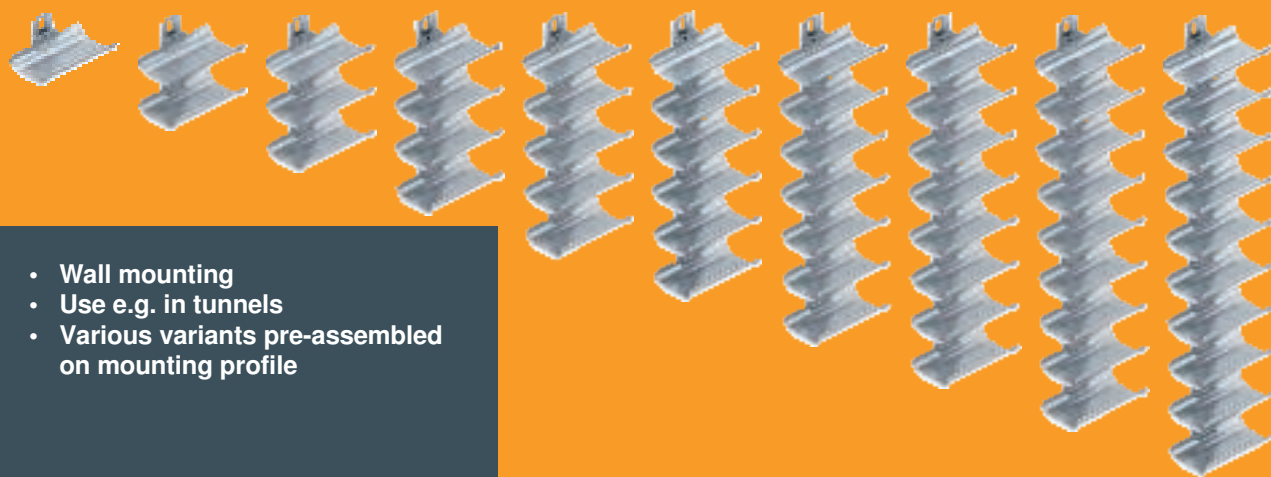
Side holder to fasten cable trays, mesh cable trays and cable ladders to ceilings using a threaded rod.





Cable support brackets

Cable support troughs are used for quick and easy routing of cables in areas where conventional cable support systems cannot be installed due to lack of space. The cable support troughs have a large load-bearing surface and rounded outer edges to protect the cables.



- Wall mounting
- Use e.g. in tunnels
- Various variants pre-assembled on mounting profile

St FT

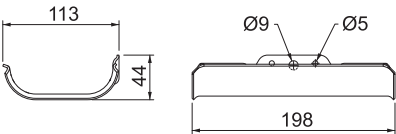
Cable carrier trough, single, for individual routing

Type	Side height mm	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 FT	44	0.35	1	48.000	6006890



In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Cable support trough, single, with fastening rail

St FT



In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

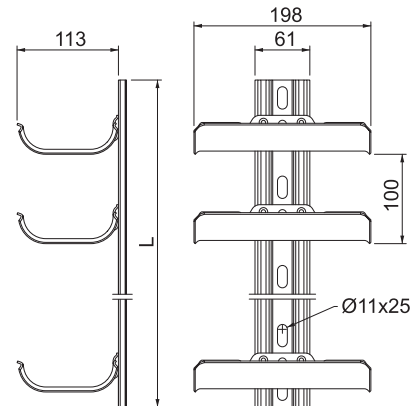
Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 1 FT	140	1	0.5	1	6.100	6006901

Load

Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



St FT

Cable carrier troughs, 2-fold, with mounting rail

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 2 FT	200	2	0.5	1	111.000	6006902

Load

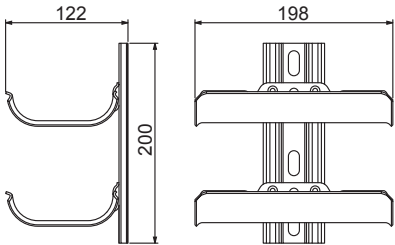
Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



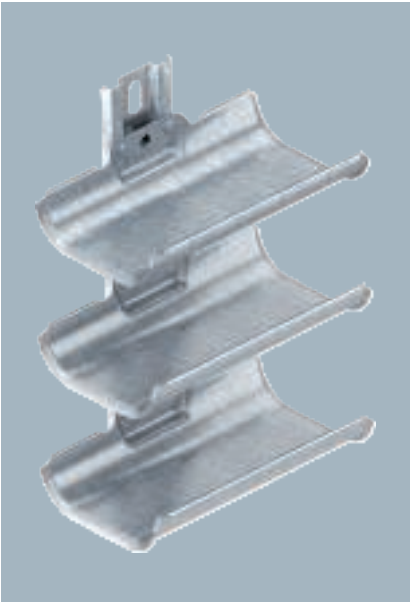
In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Cable carrier troughs, 3-fold, with mounting rail

St FT



Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 3 FT	300	3	0.5	1	168.000	6006903

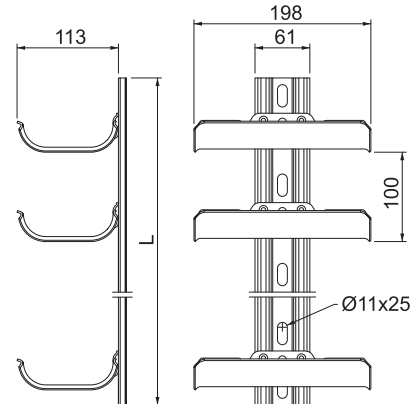
Load

Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).

In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



St FT

Cable carrier troughs, 4-fold, with mounting rail

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 4 FT	400	4	0.5	1	225.000	6006904

Load

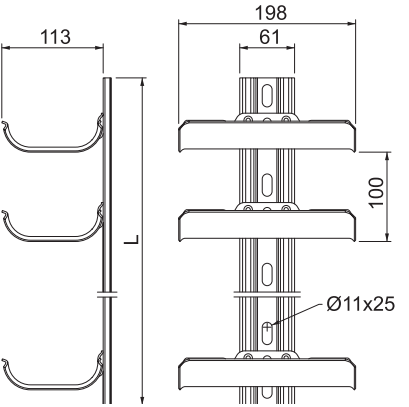
Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



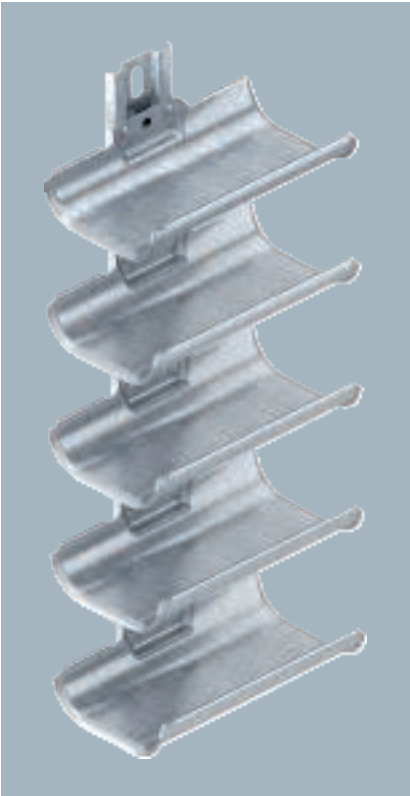
In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Cable carrier troughs, 5-fold, with mounting rail

St FT



Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 5 FT	500	5	0.5	1	361.000	6006905

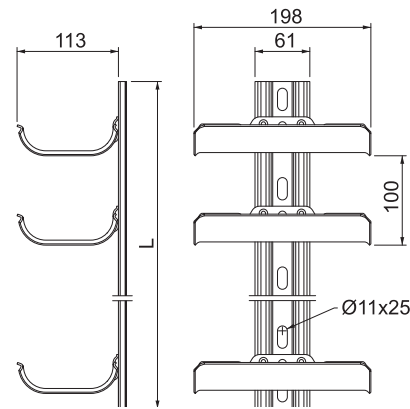
Load

Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).

In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



St FT

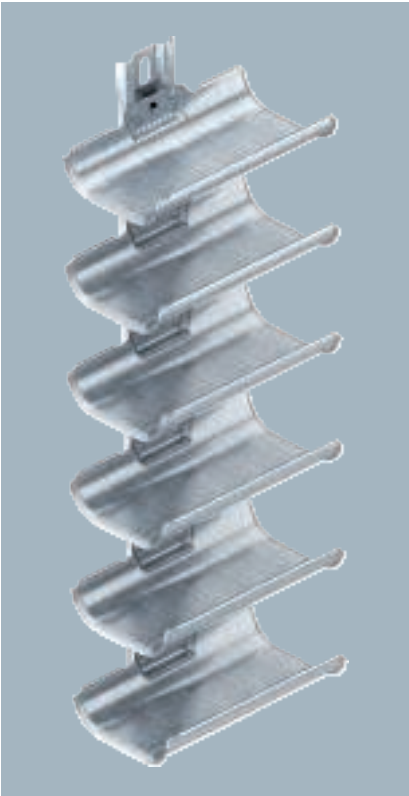
Cable carrier troughs, 6-fold, with mounting rail

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 6 FT	600	6	0.5	1	339.000	6006906

Load

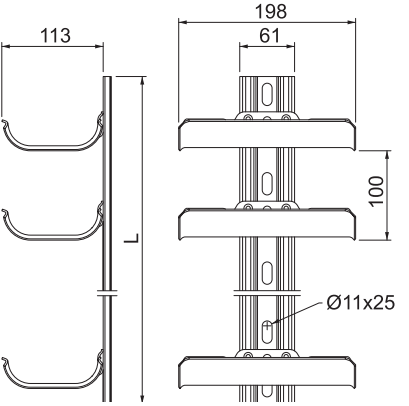
Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Cable carrier troughs, 7-fold, with mounting rail

St FT



Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 7 FT	700	7	0.5	1	395.000	6006907

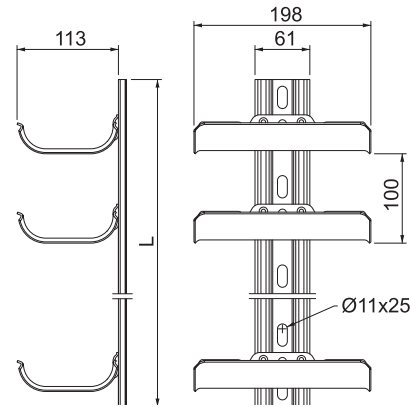
Load

Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).

In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



St FT

Cable carrier troughs, 8-fold, with mounting rail

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 8 FT	800	8	0.5	1	452.000	6006908

Load

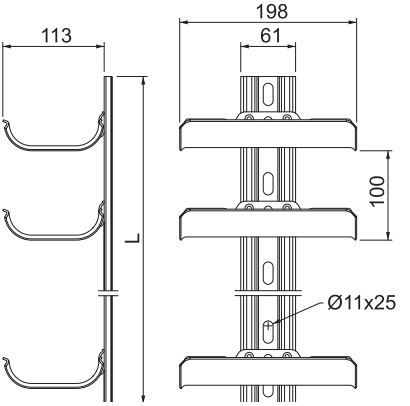
Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Cable support trough, 9x, with fastening rail

St FT



Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 9 FT	900	9	0.5	1	465.000	6006909

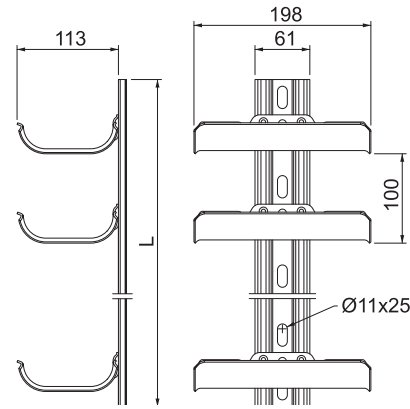
Load

Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).

In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



St FT

Cable support trough, 10x, with fastening rail

Type	Dim. L mm	Number of troughs	F in kN per trough kN	Pack Piece	Weight kg/100 pc.	Item no.
KTW 100 10 FT	1000	10	0.5	1	565.000	6006910

Load

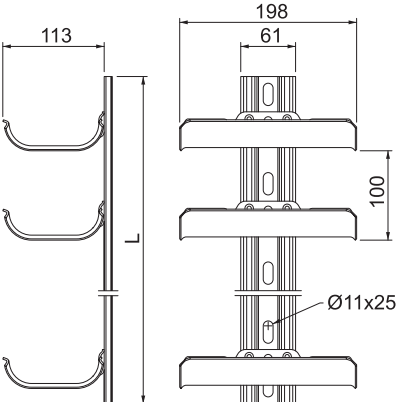
Type	Levels	Total load	Quantity of anchors
KTW 100 1 FT	1	0.950 kN	1
KTW 100 2 FT	2	1.0 kN	1
KTW 100 3 FT	3	0.15 kN	1
KTW 100 4 FT	4	0.950 kN	2
KTW 100 5 FT	5	2.5 kN	2
KTW 100 6 FT	6	3.0 kN	2
KTW 100 7 FT	7	3.5 kN	3
KTW 100 8 FT	8	4.0 kN	3
KTW 100 9 FT	9	4.5 kN	3
KTW 100 10 FT	10	5.0 kN	4

The stated values are based on concrete of compressive strength C25/30. Fastening anchor type: BZ 10-100-120. Please comply with the installation conditions of the DIBt approval (anchors).



In accordance with DIN VDE 0298-300, a maximum support spacing of 0.8 m should not be exceeded.

Cable support brackets for quick and easy routing of cables in areas where common cable support systems cannot be installed due to lack of space. The cable support brackets possess a large load-bearing surface as well as rounded outer edges to protect the cables.



Rail systems from OBO

OBO's tried-and-tested rail system is now more logically structured than ever before. It is now easy to choose the right product at a glance from the three load classes: Light duty, medium duty and heavy duty. The matching accessories are also right there in the selection aids. So choosing perfectly matching products is simply a breeze.

Highly versatile

Different perforation patterns

Strip galvanised and hot-dip galvanised

Stainless steel grades V2A and V4A

Light duty

Medium duty

Heavy duty



CL2008 profile rail, slot 11 mm, perforated

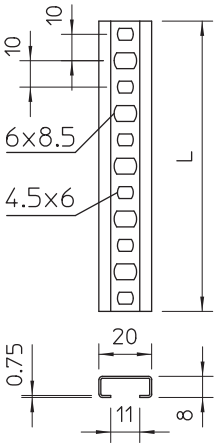
Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CL2008P2000FS	2000	0.75	2	20.000	1106627



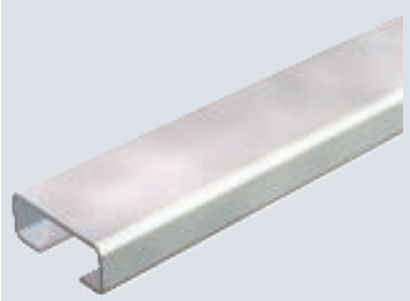
Light-duty C profile rail for cable routing, in conjunction with series clips or clamp clips with N foot. Can also be used in building of control cabinets.

Type	Dimension W x H mm	Dim. L mm
CL2008P2000FS	20 x 8	2000

Dimensions



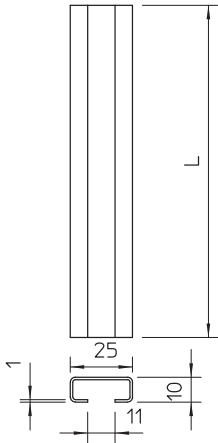
CL2510 profile rail, slot 11 mm, unperforated



Light-duty C profile rail for cable routing, in conjunction with series clips or clamp clips with N foot. Can also be used in building of control cabinets.

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CL2510UP2000FS	2000	1	2	36.000	1107127

Dimensions



Type	Dimension W x H mm	Dim. L mm
CL2510UP2000FS	25 x 10	2000



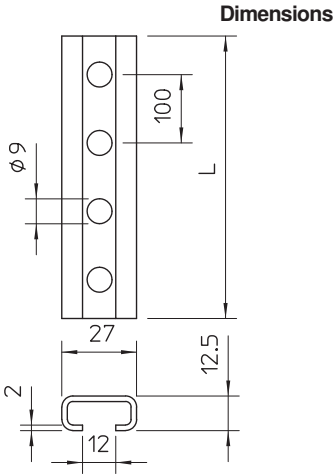
CL2712 profile rail, slot 12 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CL2712P2000FT	2000	2	2	89.500	1109529



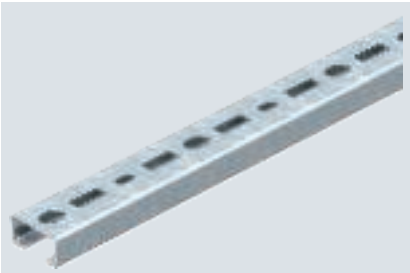
Light-duty C profile rail for cable routing, in conjunction with series clips or clamp clips with N foot. Can also be used in building of control cabinets.

Type	Dimension W x H mm	Dim. L mm
CL2712P2000FT	27 x 12,5	2000



Profile rails

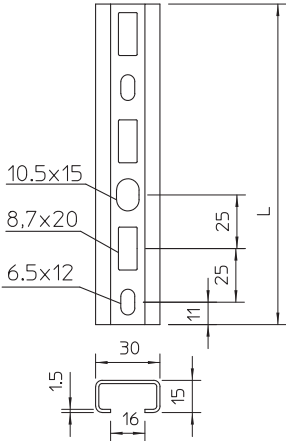
CM3015 profile rail, slot 16 mm, perforated



Profile rail, perforated, slot width 16 mm.

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
CM3015P0200FT	200	1.5	25	15.000	1109782
CM3015P0300FT	300	1.5	25	22.000	1109790
CM3015P0400FT	400	1.5	10	30.000	1109804
CM3015P0500FT	500	1.5	10	37.000	1109812
CM3015P0600FT	600	1.5	10	44.000	1109820
CM3015P0700FT	700	1.5	10	50.000	1109839
CM3015P0800FT	800	1.5	10	56.000	1109847
CM3015P2000FT	2000	1.5	2	73.000	1109871
CM3015P2000FS	2000	1.5	2	69.000	1110002

Dimensions



Type	Dimension W x H mm	Dim. L mm
CM3015P0200FT	30 x 15	200
CM3015P0300FT	30 x 15	300
CM3015P0400FT	30 x 15	400
CM3015P0500FT	30 x 15	500
CM3015P0600FT	30 x 15	600
CM3015P0700FT	30 x 15	700
CM3015P0800FT	30 x 15	800
CM3015P2000FT	30 x 15	2000

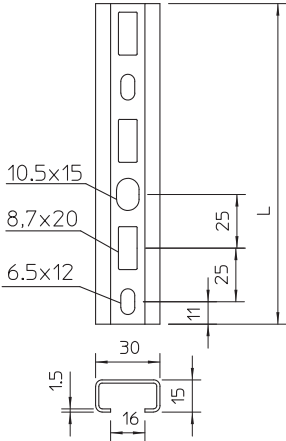
CM3015 profile rail, slot 16 mm, perforated



Profile rail, perforated, slot width 16 mm.

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CM3015P1000FT	1000	1.5	10	73.000	1109863
CM3015P2000FT	2000	1.5	2	73.000	1109871

Dimensions



Type	Dimension W x H mm	Dim. L mm
CM3015P1000FT	30 x 15	1000
CM3015P2000FT	30 x 15	2000



CM3015 profile rail, slot 16 mm, unperforated

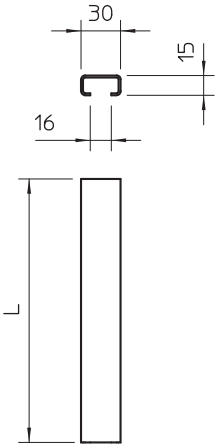
Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CM3015UP2000FS	2000	1.5	2	75.500	1110004



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Dimension W x H mm	Dim. L mm
CM3015UP2000FS	30 x 15	2000

Dimensions



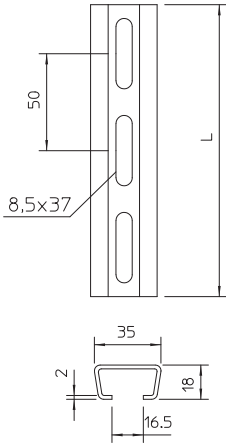
Anchor rail AML3518, slot width 16.5 mm, perforated



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
AML3518P1000FS	1000	1.5	1	82.000	1119646
AML3518P2000FS	2000	1.5	2	82.500	1119648
AMS3518P1000FS	1000	2	1	115.000	1112735
AML3518P2000FT	2000	1.5	2	89.000	1119656
AML3518P1000FT	1000	1.5	10	89.000	1119672
AMS3518P1000FT	1000	2	1	122.000	1112755

Dimensions



Type	Dimension W x H mm	Dim. L mm
AML3518P1000FS	35 x 18	1000
AML3518P2000FS	35 x 18	2000
AMS3518P1000FS	35 x 18	1000
AML3518P2000FT	35 x 18	2000
AML3518P1000FT	35 x 18	1000
AMS3518P1000FT	35 x 18	1000



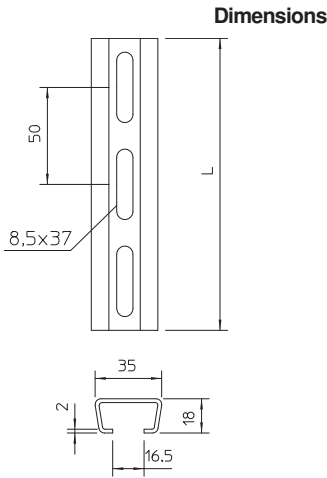
AML3518 anchor rail, slot 16.5 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
AML3518P1000A2	1000	1.5	1	82.000	1119700
AML3518P2000A2	2000	1.5	2	82.000	1119702



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Dimension W x H mm	Dim. L mm
AML3518P1000A2	35 x 18	1000
AML3518P2000A2	35 x 18	2000

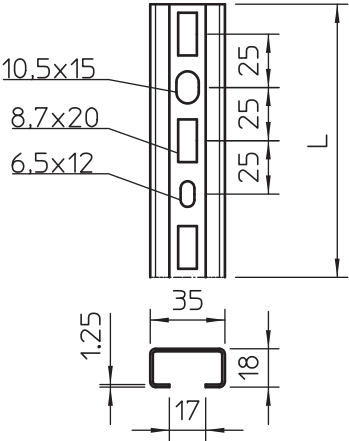


CML3518 profile rail, slot 17 mm, perforated

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
CML3518P0150FS	150	1.25	25	10.600	1104241
CML3518P0200FS	200	1.25	25	14.200	1104268
CML3518P0300FS	300	1.25	25	21.300	1104284
CML3518P0400FS	400	1.25	10	28.400	1104292
CML3518P0500FS	500	1.25	10	35.500	1104306
CML3518P0600FS	600	1.25	10	42.600	1104310
CML3518P0700FS	700	1.25	10	49.700	1104315
CML3518P0800FS	800	1.25	10	56.800	1104320
CML3518P0900FS	900	1.25	10	63.900	1104325



Light-duty profile rail, perforated, slot width 17 mm.

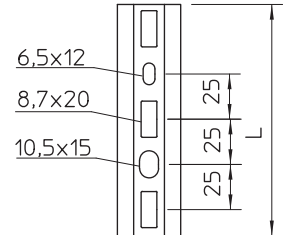
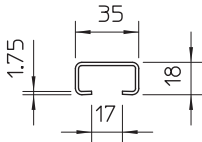


CMS3518 profile rail, slot 17 mm, perforated



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
CMS3518P0150FS	150	1.75	25	14.670	1104349
CMS3518P0300FS	300	1.75	25	29.340	1104373
CMS3518P0400FS	400	1.75	10	39.120	1104391
CMS3518P0500FS	500	1.75	10	48.900	1104403
CMS3518P0200FS	200	1.75	25	19.560	1104357
CMS3518P0600FS	600	1.75	10	58.680	1104411
CMS3518P0700FS	700	1.75	10	68.460	1104422
CMS3518P0800FS	800	1.75	10	78.240	1104427
CMS3518P0900FS	900	1.75	10	88.020	1104435

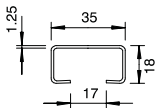
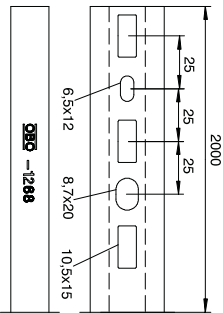


CML3518 profile rail, slot 17 mm, perforated



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CML3518P1000FS	1000	1.25	1	71.000	1104497
CML3518P2000FS	2000	1.25	2	71.000	1104500
CML3518P1000FT	1000	1.25	10	73.600	1104568
CML3518P2000FT	2000	1.25	20	73.600	1104570
CMS3518P1000FS	1000	1.75	10	97.800	1104445
CMS3518P2000FS	2000	1.75	2	97.800	1104454





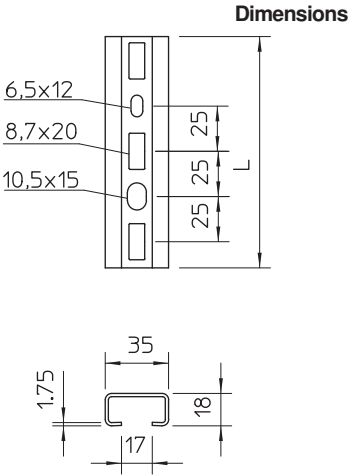
CMS3518 profile rail, slot 17 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
CMS3518P1000FT	1000	1.75	10	102.900	1104598
CMS3518P2000FT	2000	1.75	20	102.900	1104599



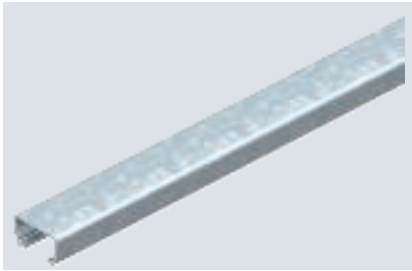
Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Dimension W x H mm	Dim. L mm
CMS3518P1000FT	35 x 18	1000
CMS3518P2000FT	35 x 18	2000



Anchor rails

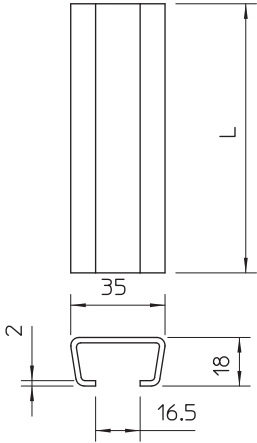
AMS3518 anchor rail, slot 16.5 mm, unperforated



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
AMS3518UP2000FT	2000	2	2	121.350	1112228
AMS3518UP6000FT	6000	2	6	111.167	1112244

Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Dimensions



Type	Dimension W x H mm	Dim. L mm
AMS3518UP2000FT	35 x 18	2000
AMS3518UP6000FT	35 x 18	6000



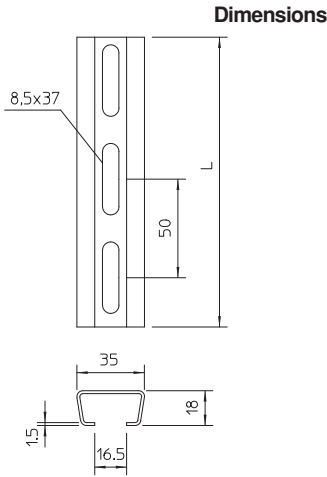
Anchor rail AML3518, slot 16.5 mm, perforated

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
AML3518P0200FT	200	1.5	25	17.800	1119696
AML3518P0300FT	300	1.5	25	26.700	1119693
AML3518P0400FT	400	1.5	10	35.600	1119690
AML3518P0500FT	500	1.5	10	44.500	1119687
AML3518P0600FT	600	1.5	10	53.400	1119684
AML3518P0700FT	700	1.5	10	62.300	1119681
AML3518P0800FT	800	1.5	10	71.200	1119678

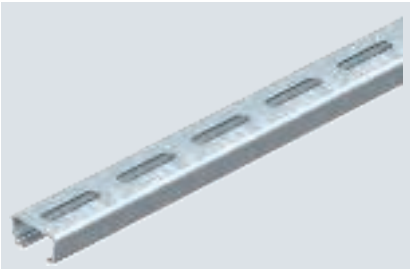


Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Dimension W x H mm	Dim. L mm
AML3518P0200FT	35 x 18	200
AML3518P0300FT	35 x 18	300
AML3518P0400FT	35 x 18	400
AML3518P0500FT	35 x 18	500
AML3518P0600FT	35 x 18	600
AML3518P0700FT	35 x 18	700
AML3518P0800FT	35 x 18	800



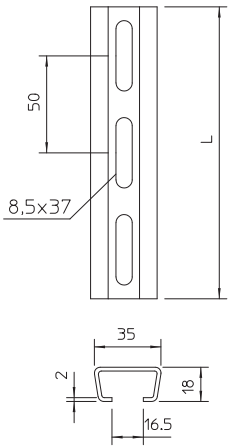
Anchor rail AMS3518, slot 16.5 mm, perforated



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
AMS3518P2000FS	2000	2	2	115.000	1112708

Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Dimensions

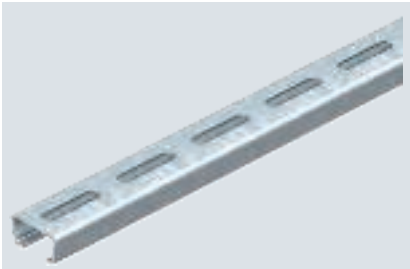


Type	Dimension W x H mm	Dim. L mm
AMS3518P2000FS	35 x 18	2000



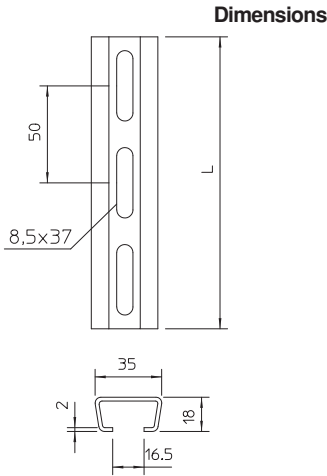
Anchor rail AMS3518, slot 16.5 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
AMS3518P2000FT	2000	2	2	122.000	1112759



Central C profile rail for cable routing, in conjunction with clamp clips with a hammerhead foot. Can also be used as suspension construction for cable support systems.

Type	Dimension W x H mm	Dim. L mm
AMS3518P2000FT	35 x 18	2000





MS4121 mounting rail

Heavy-duty C profile rail for the 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.

Slot width 22 mm

Double version (clinched)

Slot width 22 mm





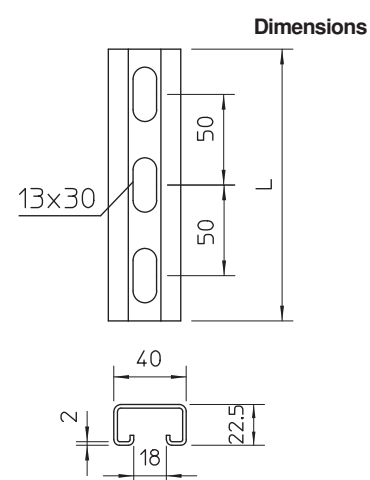
MS4022 mounting rail, heavy duty, slot 18 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4022P2000FT	2000	2	2	152.500	1121979
MS4022P6000FT	6000	2	6	152.500	1121898

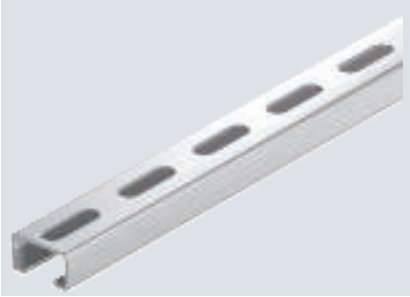


Heavy-duty C profile rail for individual installation of support constructions, e.g. for cable trays or as a panel for switchgear cabinets. Can also be used for cable routing, in conjunction with clamp clips with a U foot.

Type	Dimension W x H mm	Dim. L mm
MS4022P2000FT	40 x 22,5	2000
MS4022P6000FT	40 x 22,5	6000



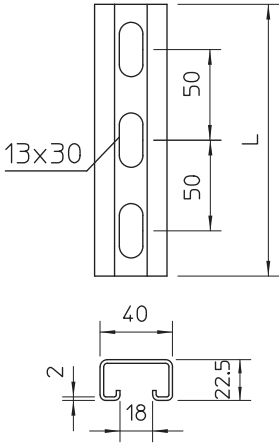
MS4022 mounting rail, heavy duty, slot 18 mm, perforated



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4022P2000A2	2000	2	2	152.500	1121960
MS4022P6000A2	6000	2	6	152.500	1121901

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.

Dimensions



Type	Dimension W x H mm	Dim. L mm
MS4022P2000A2	40 x 22,5	2000
MS4022P6000A2	40 x 22,5	6000



MS5030 mounting rail, slot 22 mm, perforated

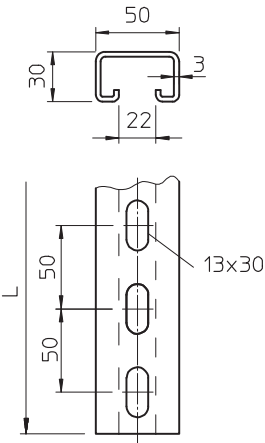
Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS5030P1000FT	1000	3	1	282.500	1121448
MS5030P2000FT	2000	3	2	282.500	1121464
MS5030P3000FT	3000	3	3	308.100	1121466
MS5030P6000FT	6000	3	6	282.500	1121472
MS5030P2000A2	2000	3	2	280.000	1121480
MS5030P6000A2	6000	3	6	282.500	1121499



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.

Type	Dimension W x H mm	Dim. L mm
MS5030P1000FT	50 x 30	1000
MS5030P2000FT	50 x 30	2000
MS5030P3000FT	50 x 30	3000
MS5030P6000FT	50 x 30	6000

Dimensions



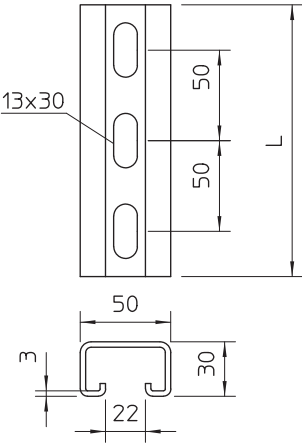
MS5030 mounting rail, slot 22 mm, perforated



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.

Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
MS5030P0200FT	200	3	1	57.000	1121391
MS5030P0300FT	300	3	1	85.000	1121243
MS5030P0400FT	400	3	1	115.000	1121278
MS5030P0500FT	500	3	1	141.000	1121405
MS5030P0600FT	600	3	1	170.000	1121294
MS5030P0700FT	700	3	1	198.000	1121332
MS5030P0800FT	800	3	1	235.000	1121308
MS5030P0900FT	900	3	1	255.000	1121336
MS5030P1500FT	1500	3	1	424.000	1121363

Dimensions



Type	Dimension W x H mm	Dim. L mm
MS5030P0200FT	50 x 30	200
MS5030P0300FT	50 x 30	300
MS5030P0400FT	50 x 30	400
MS5030P0500FT	50 x 30	500
MS5030P0600FT	50 x 30	600
MS5030P0700FT	50 x 30	700
MS5030P0800FT	50 x 30	800
MS5030P0900FT	50 x 30	900
MS5030P1500FT	50 x 30	1500

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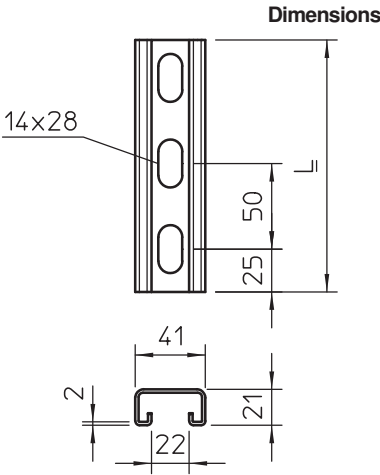
MS4121 mounting rail, slot 22 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4121P2000FS	2000	2	2	175.000	1122918
MS4121P3000FS	3000	2	3	141.900	1122920
MS4121P6000FS	6000	2	6	141.900	1122922
MS4121P2000FT	2000	2	2	183.000	1122923
MS4121P3000FT	3000	2	3	151.300	1122924
MS4121P6000FT	6000	2	6	184.000	1122926



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.

Type	Dimension W x H mm	Dim. L mm
MS4121P2000FS	41x21	2000
MS4121P3000FS	41x21	3000
MS4121P6000FS	41x21	6000



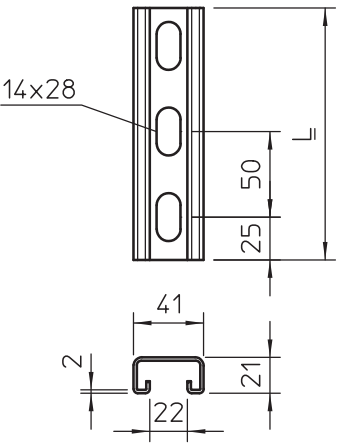
MS4121 mounting rail, slot 22 mm, perforated



Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
MS4121P0200FT	200	2	1	35.100	1122933
MS4121P0300FT	300	2	1	53.000	1122934
MS4121P0400FT	400	2	1	70.000	1122935
MS4121P0500FT	500	2	1	87.000	1122936
MS4121P0600FT	600	2	1	105.000	1122937
MS4121P0700FT	700	2	1	123.000	1122938
MS4121P0800FT	800	2	1	140.000	1122939
MS4121P0900FT	900	2	1	158.000	1122940

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.

Dimensions



Type	Dimension W x H mm	Dim. L mm
MS4121P0200FT	41x21	200
MS4121P0300FT	41x21	300
MS4121P0400FT	41x21	400
MS4121P0500FT	41x21	500
MS4121P0600FT	41x21	600
MS4121P0700FT	41x21	700
MS4121P0800FT	41x21	800
MS4121P0900FT	41x21	900



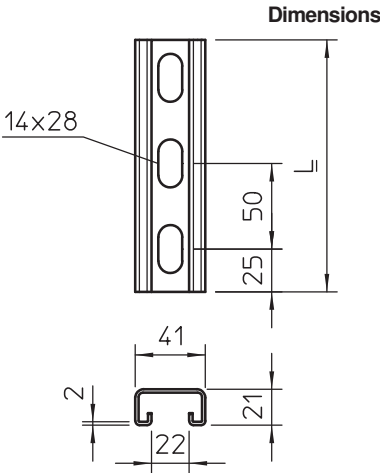
MS4121 mounting rail, slot 22 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4121P2000A2	2000	2	2	140.950	1122925
MS4121P3000A2	3000	2	3	185.340	1122928
MS4121P6000A2	6000	2	6	140.950	1122929
MS4121P3000A4	3000	2	3	172.670	1122931



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.

Type	Dimension W x H mm	Dim. L mm
MS4121P2000A2	41x21	2000
MS4121P3000A2	41x21	3000
MS4121P6000A2	41x21	6000



MS4142 mounting rail, slot 22 mm, double, perforated

St

VA

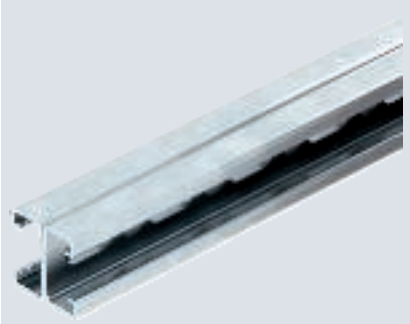
FS

FT

2B

22

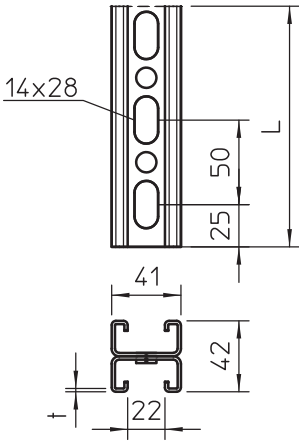
U



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4142P3000FS	3000	2	3	303.000	1122947
MS4142P6000FS	6000	2	6	303.000	1122948
MS4142P3000FT	3000	2	3	303.000	1122944
MS4142P6000FT	6000	2	6	303.000	1122945
MS4142P6000A2	6000	2	6	283.800	1122954

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).

Dimensions

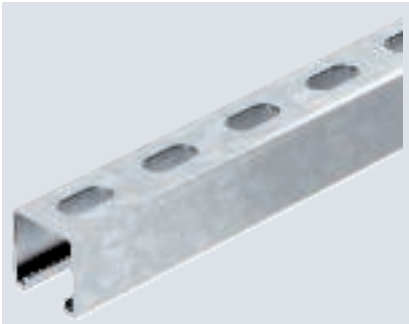


Type	Dimension W x H mm	Dim. L mm
MS4142P3000FS	41x42	3000
MS4142P6000FS	41x42	6000



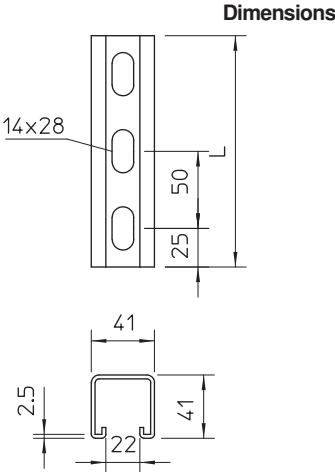
MS4141 mounting rail, slot 22 mm, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4141P1000FS	1000	2.5	1	247.500	1122908
MS4141P3000FS	3000	2.5	3	247.500	1122910
MS4141P6000FS	6000	2.5	6	247.500	1122912
MS4141P1000FT	1000	2.5	1	261.400	1122606
MS4141P3000FT	3000	2.5	3	261.400	1122622
MS4141P6000FT	6000	2.5	6	260.670	1122657



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.

Type	Dimension W x H mm	Dim. L mm
MS4141P1000FS	41x41	1000
MS4141P3000FS	41x41	3000
MS4141P6000FS	41x41	6000



MSL4141 mounting rail, slot 22 mm, perforated

St

VA

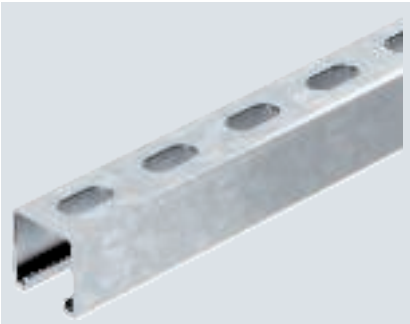
FS

FT

2B

U

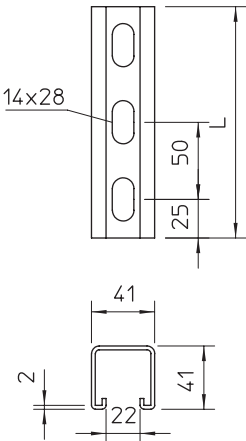
22



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MSL4141P1000FS	1000	2	1	201.100	1122970
MSL4141P3000FS	3000	2	3	201.100	1122972
MSL4141P6000FS	6000	2	6	201.100	1122974
MSL4141P1000FT	1000	2	1	214.700	1122962
MSL4141P3000FT	3000	2	3	214.700	1122964
MSL4141P6000FT	6000	2	6	214.700	1122966
MSL4141P1000A2	1000	2	1	201.100	1122978
MSL4141P3000A2	3000	2	3	201.100	1122980
MSL4141P6000A2	6000	2	6	201.100	1122982

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.

Dimensions



Type	Dimension W x H mm	Dim. L mm
MSL4141P1000FS	41x41	1000
MSL4141P3000FS	41x41	3000
MSL4141P6000FS	41x41	6000



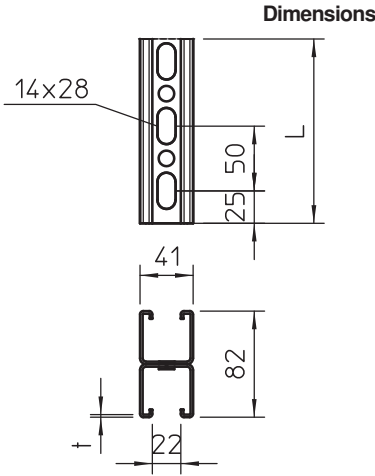
MS4182 mounting rail, slot 22 mm, double, perforated

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4182P3000FS	3000	2	3	402.200	1122676
MS4182P6000FS	6000	2	6	402.200	1122678
MS4182P3000FT	3000	2	3	402.200	1122671
MS4182P6000FT	6000	2	6	402.200	1122673
MS4182P3000A2	3000	2	3	402.200	1122682
MS4182P6000A2	6000	2	6	402.200	1122684



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).

Type	Dimension W x H mm	Dim. L mm
MS4182P3000FS	41x82	3000
MS4182P6000FS	41x82	6000



MSL4141 mounting rail, slot 22 mm, side perforation

St

VA

VA

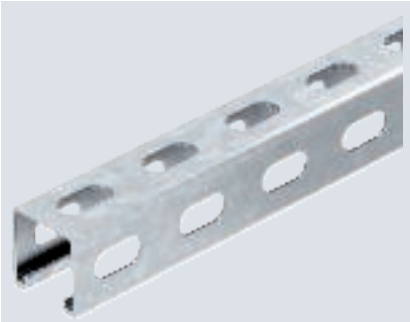
FS

FT

2B

U

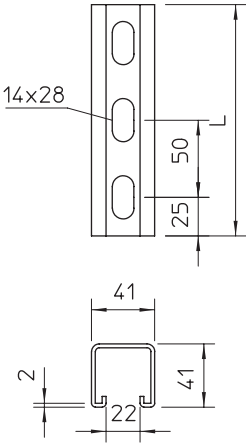
22



Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MSL4141PP1000FS	1000	2	1	179.400	1123008
MSL4141PP3000FS	3000	2	3	179.400	1123010
MSL4141PP6000FS	6000	2	6	179.400	1123012
MSL4141PP1000FT	1000	2	1	191.500	1123001
MSL4141PP3000FT	3000	2	3	191.500	1123003
MSL4141PP6000FT	6000	2	6	191.500	1123005
MSL4141PP1000A2	1000	2	1	179.400	1123014
MSL4141PP3000A2	3000	2	3	179.400	1123016
MSL4141PP6000A2	6000	2	6	179.400	1123018
MSL4141PP3000A4	3000	2	3	179.400	1123023

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.

Dimensions

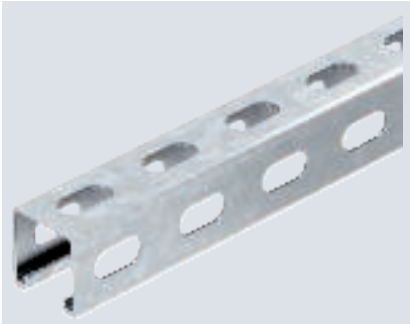


Type	Dimension W x H mm	Dim. L mm
MSL4141PP1000FS	41x41	1000
MSL4141PP3000FS	41x41	3000
MSL4141PP6000FS	41x41	6000



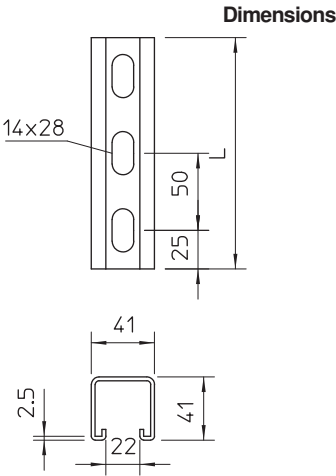
MS4141 mounting rail, slot 22 mm, side perforation

Type	Length mm	Material thickness mm	Pack m	Weight kg/100 m	Item no.
MS4141PP3000FS	3000	2.5	3	218.000	1122914
MS4141PP6000FS	6000	2.5	6	218.340	1122916
MS4141PP3000FT	3000	2.5	3	233.340	1122483
MS4141PP6000FT	6000	2.5	6	225.000	1122487



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.

Type	Dimension W x H mm	Dim. L mm
MS4141PP3000FS	41x41	3000
MS4141PP6000FS	41x41	6000



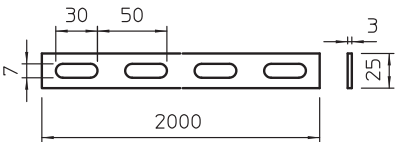
SL42 construction and suspension profile

St SG



Rail profile of 25 mm side height for welding in trapezoidal rungs.
The rail profile is available in unpainted steel on request.

Type	Dimension mm	Length mm	Pack m	Weight kg/100 m	Item no.
SLH 42 2000 SG	25x3	2000	2	50.000	7103603



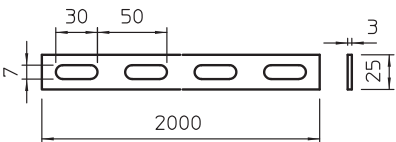
SL42 construction and suspension profile

St FT



Perforated side rail profile of shipbuilding ladders, SL 42, for the creation of suspension and support constructions.
The profile is available in bright steel on request.

Type	Dimension mm	Length mm	Pack m	Weight kg/100 m	Item no.
SLH 42 2000 FT	25x3	2000	2	51.500	7103611



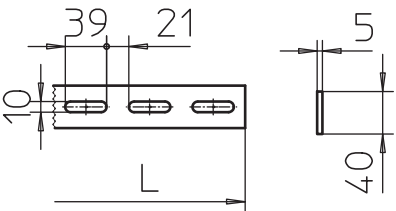
Construction and suspension profile, SL62

St SG



Rail profile of 25 mm side height for welding in trapezoidal rungs.
The rail profile is available in unpainted steel on request.

Type	Dimension mm	Length mm	Pack m	Weight kg/100 m	Item no.
SLH 62 3000 SG	40x5	3000	3	133.000	7103635

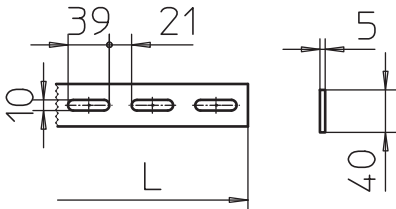


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St FT

Construction and suspension profile, SL62

Type	Dimension mm	Length mm	Pack m	Weight kg/100 m	Item no.
SLH 62 3000 FT	40x5	3000	3	135.700	7103643



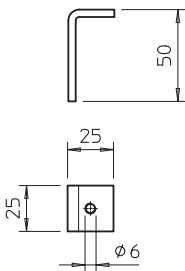
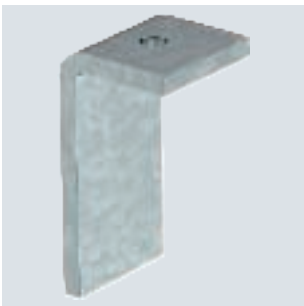
Perforated side rail profile of shipbuilding ladders, SL 62, for the creation of suspension and support constructions.
The profile is available in bright steel on request.

St FT

Welding angle

Type	Dimension mm	Pack Piece	Weight kg/100 pc.	Item no.
ASW FT	25x50	10	5.700	6015350

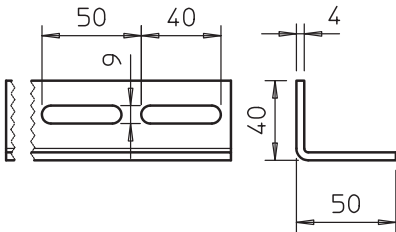
Welding angle for mounting shipbuilding cable ladders and marine trays, for welding to steel structures.



St SG

WESP 50 SG angle profile

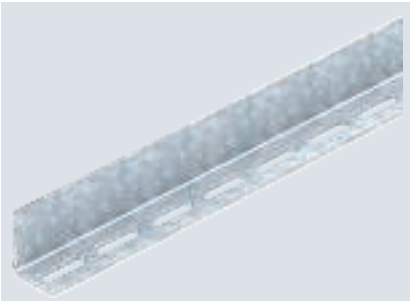
Type	Length mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
WESP 50 40 SG	3000	4.00	3	239.340	7105675



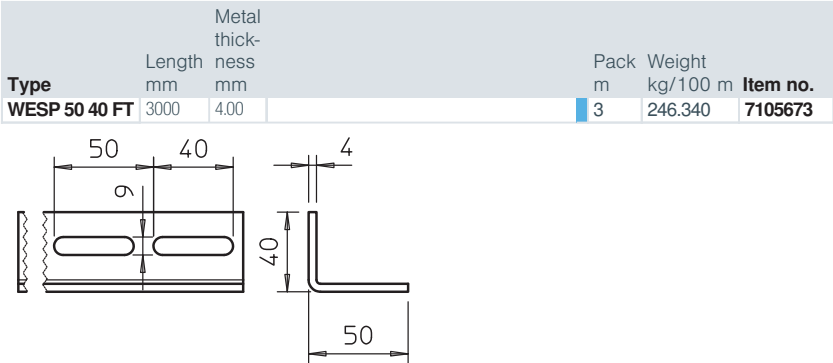
Angle profile with longitudinal perforation row to create suspension and support constructions.

Angle profile WESP 50

St FT



Angle profile with longitudinal perforation row to create suspension and support constructions.

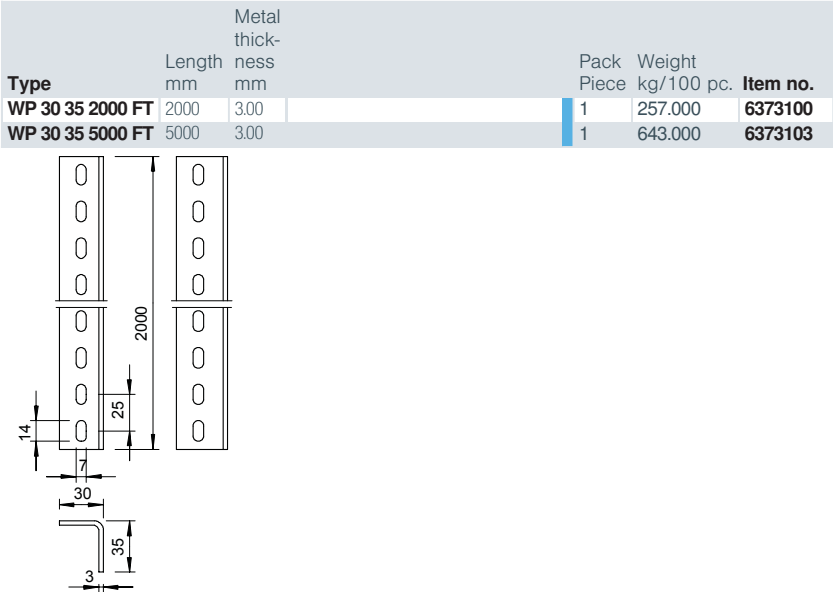


Angle profile WP30/35

St FT

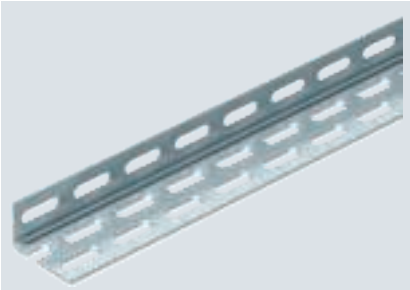


Angle profile, perforated on both sides, for creation of special support structures.

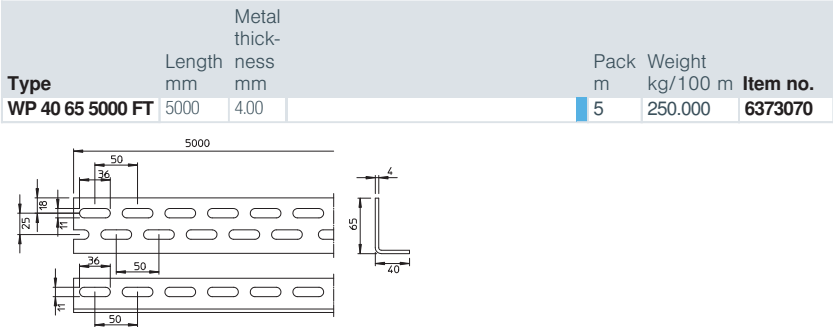


Angle profile WP40/65

St FT



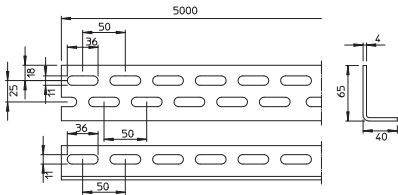
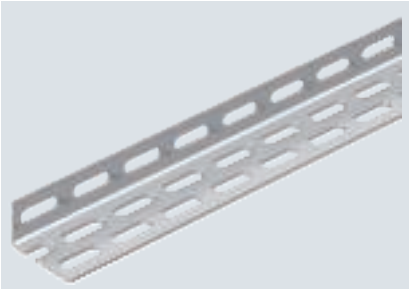
Angle profile, perforated on both sides, for creation of special support structures.



VA 2B

Angle profile WP40/65

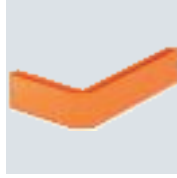
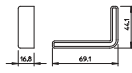
Type	Length mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
WP 40 65 5000 A2	5000	4.00	5	241.600	6373062



Angle profile, perforated on both sides, for creation of special support structures.

End cap WE 40/65

PE

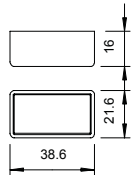


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
WPK SR OR	Pastel orange	20	0.600	6372881
WPK SL OR	Pastel orange	20	0.600	6372898

End cap to cover the ends of angle profile, type WE 40/65.

End cap CM3518/AM3518

PE

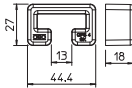


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
CM3518 SK	Pastel orange	50	0.384	1124502

End cap for profile rail types CM3518 and AM3518.

End cap MS4022

PE

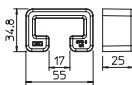


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
MS4022 SK	Pastel orange	25	0.647	1124555

End caps for profile rail, type MS4022.

End cap MS5030

PE

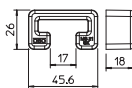


Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
MS5030 SK	Pastel orange	25	1.147	1124563

End caps for profile rail, type MS5030.

End cap MS4121

PE



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
MS4121 SK	Pastel orange	25	0.611	1122902

End cap for profile rail, type MS4121.

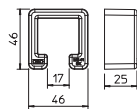
PE



Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
MS4141 SK	Pastel orange	25	1.212	1122900

End cap for profile rail, type MS4141.

End cap MS4141

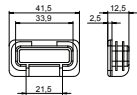


PE

Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
MS4121 EK	Pastel orange	50	0.645	1122904

End cap for profile rail, type MS4121.

End cap MS4121

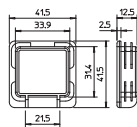


PE

Colour		Pack	Weight	Item no.
Type		Piece	kg/100 pc.	
MS4141 EK	Pastel orange	50	0.670	1122906

End cap for profile rail, type MS4141.

End cap MS4141

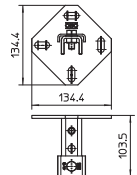


St FT

Wall, floor and ceiling bracket with 3 holes

Type	Version	Dimension		Material	Length	Pack	Weight	Item no.
		W x H	thickness					
WBDHE 41 FT	Perforated	134x110	5		102	10	73.000	1123191

The wall, floor and ceiling bracket can ideally be used as a panel for wall, floor and ceiling mounting.
Also suitable for stand and frame construction in conjunction with the mounting rails MS4141.



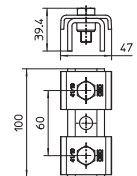
St FT

Rail connector SV with 3 holes

Type	Version	Dimension		Material	Length	Pack	Weight	Item no.
		W x H	thickness					
SVE 41 FT	Perforated	47x39,4	4		100	10	42.000	1123121

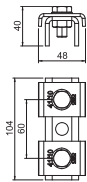
The rail connector is used to extend the mounting rail MS4141. The connection can be made simply and securely on the construction site or prefabricated in the workshop.
There is a guarantee that there is no weak point in the area of the rail coupling. The static values of the mounting rail apply here.

Scope of delivery:
Retaining plates, type 4141, and suitable hexagonal bolts included loosely.



Rail connector SV with 3 holes

VA 2B



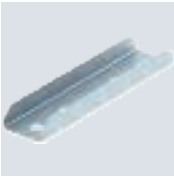
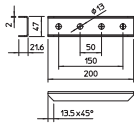
Type	Version	Dimension	Material	Length	Pack	Weight	Item no.
		W x H mm	thickness mm			kg/100 pc.	
SVE 41 A2	Perforated	47x39,4	4	100	10	42.000	1123126

The rail connector is used to extend the mounting rail MS4141. The connection can be made simply and securely on the construction site or prefabricated in the workshop. There is a guarantee that there is no weak point in the area of the rail coupling. The static values of the mounting rail apply here.

Scope of delivery:
Retaining plates, type 4141, and suitable hexagonal bolts included loosely.

Connector

St FT

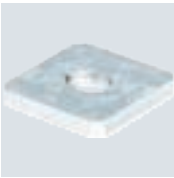
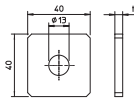


Type	Version	Pack	Weight	Item no.
		Piece	kg/100 pc.	
GVMS 4 ASV FT	With continuous perforation 13 mm	10	24.900	1124641

Connector gripping from outside with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate with 1 hole

St FT

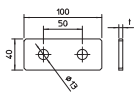


Type	Material	Pack	Weight	Item no.
		Piece	kg/100 pc.	
GMS 1 VP FT	thickness mm	10	7.120	1124643

Connection plate with lengthwise slot, for example for mounting threaded rods to profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate with 2 holes

St FT

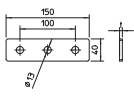


Type	Material	Pack	Weight	Item no.
		Piece	kg/100 pc.	
GMS 2 VP FT	thickness mm	10	14.000	1124645

Connection plate with two holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

Connection plate with 3 holes

St FT



Type	Material	Pack	Weight	Item no.
		Piece	kg/100 pc.	
GMS 3 VP FT	thickness mm	20	24.010	1124647

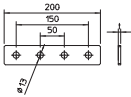
Connection plate with three holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

St FT

Connection plate with 4 holes

Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 4 VP FT	5	10	35.580	1124649

Connection plate with four holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

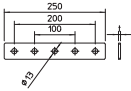


St FT

Connection plate with 5 holes

Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 5 VP FT	5	10	40.000	1124651

Connection plate with five holes for straight connection of profile rails 41 x 41 mm and 41 x 21 mm.

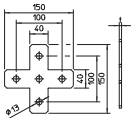


St FT

Connection plate, X-shaped

Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 5 VP X FT	5	10	48.000	1124657

Connection plate with five holes for cross connection of profile rails 41 x 41 mm and 41 x 21 mm.

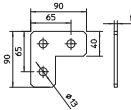


St FT

Connection plate, L-shaped

Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 3 VP L FT	5	10	25.000	1124653

Connection plate with three holes for angled connection of profile rails 41 x 41 mm and 41 x 21 mm.

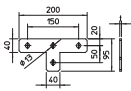


St FT

Connection plate, T-shaped

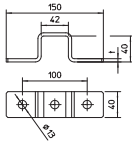
Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 4 VP T FT	5	10	41.000	1124655

Connection plate with four holes for T-shaped connection of profile rails 41 x 41 mm and 41 x 21 mm.



Omega clamp

St FT

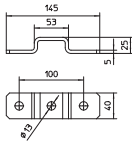


Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 3 O 4141 FT	5	10	35.000	1124673

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 41 mm.

Omega clamp

St FT

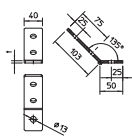


Type	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 3 O 4121 FT	5	10	26.540	1124671

Fastening clip with 3 holes for cross-wise connection of profile rails 41 x 21 mm.

Mounting bracket, 45° with 3 holes

St FT

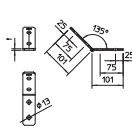


Type	Version	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
GMS 3 VW 45 FT	45° angle	40	10	24.010	1124667

Mounting bracket with three holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 45°.

Mounting bracket, 45° with 4 holes

St FT

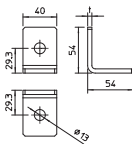


Type	Version	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
GMS 4 VW 45 FT	45° angle	40	10	32.000	1124669

Mounting bracket with four holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 45°.

Mounting bracket, 90° with 2 holes

St FT



Type	Version	Shipping box Piece	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GMS 2 VW 90 FT	90° angle	60	5	10	14.000	1124659

Mounting bracket with two holes to connect profile rails 41 x 41 mm and 41 x 21 mm at an angle of 90°.

Triangular node

St FT

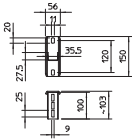


Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
CM3518 KD FT	25	22.000	6350100

For stable corner fastening of individual mountings.

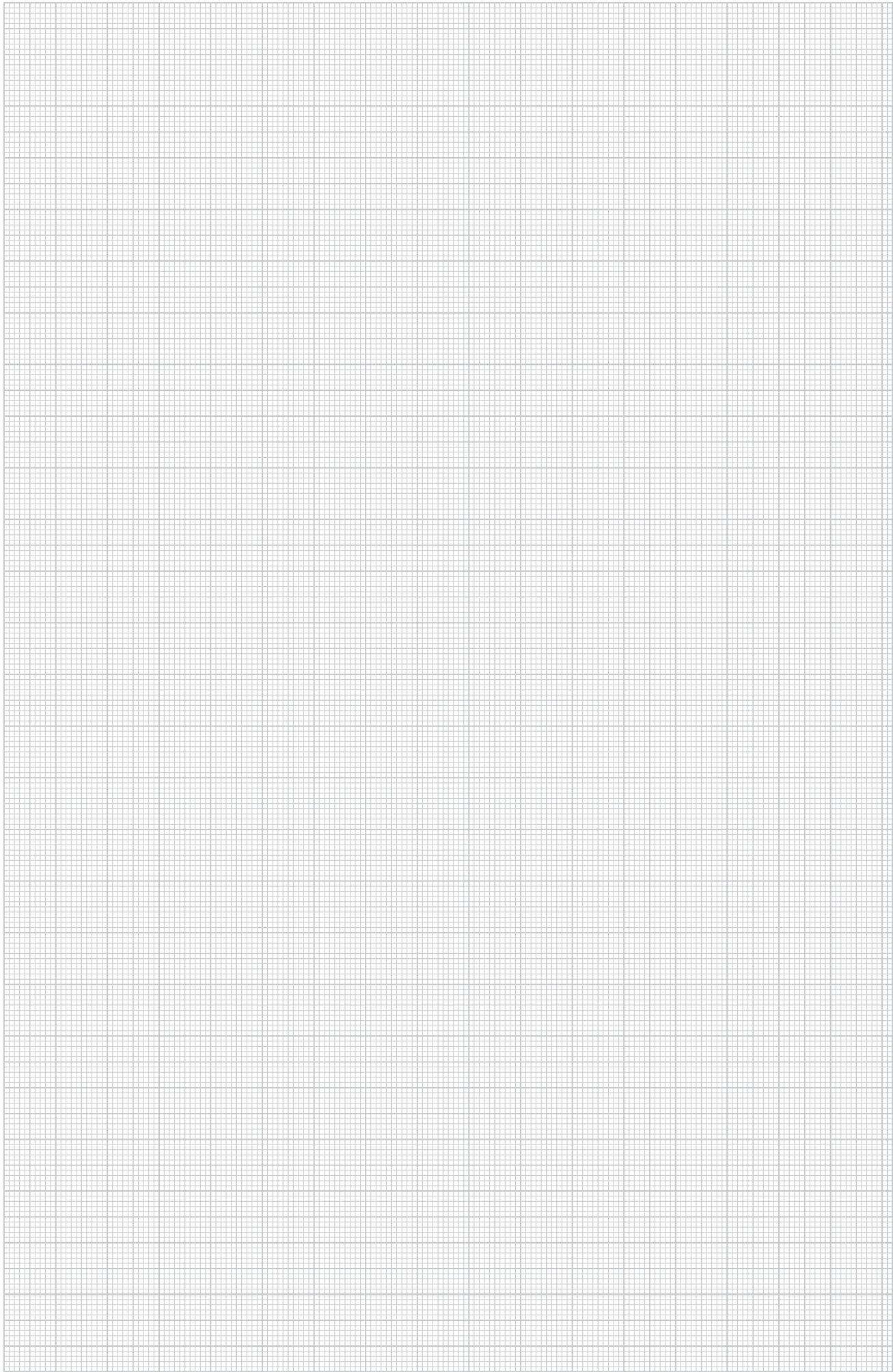
Head plate

St FT



Type	Pack	Weight	Item no.
	Piece	kg/100 pc.	
CM3518 KP FT	25	42.000	6350054

For wall and ceiling fastening of individual mountings.





Beam clamp systems

The beam clamp systems with reduced installation times and work are a clear argument for the use of this system in all areas of professional electrical installations. The beam clamp can be attached without difficult, often unpermitted, drilling. The load range runs from light-duty clamping angles to heavy-duty chuck jaws.

Large support spacings possible

Infinite height adjustment

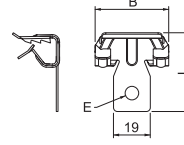


St ZL

Beam clamp, with fastening hole

Type	Flange thickness mm	Fastening hole mm	Breaking load N	Pack Piece	Weight kg/100 pc.	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

Beam clamp for knocking in with fastening hole as individual fastening solution on the beam.

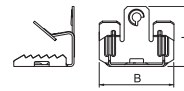


St ZL

Beam clamp, with female thread

Type	Flange thickness mm	Thread	Fastening hole mm	Breaking load N	Pack Piece	Weight kg/100 pc.	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

Beam clamp for knocking in with internal thread as individual fastening solution on the beam.

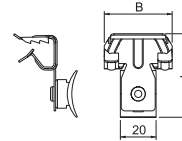


St ZL

Beam clamp, with cable tie

Type	Flange thickness mm	Cable strip length mm	Max. D Ø	Breaking load N	Pack Piece	Weight kg/100 pc.	Item no.
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

Support clamp for knocking in with cable tie as individual fastening solution on the support.

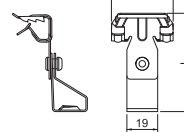


St ZL

Beam clamp, for threaded rod

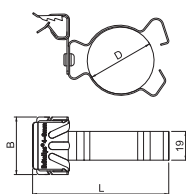
Type	Flange thickness mm	Thread	Breaking load N	Pack Piece	Weight kg/100 pc.	Item no.
BCTR 4-8 M6	4-8	M6	650	50	3.100	1483661
BCTR 8-14 M6	8-14	M6	650	50	3.300	1483663
BCTR 4-8 M8	4-8	M8	700	50	3.100	1483665
BCTR 8-14 M8	8-14	M8	700	50	3.100	1483667
BCTR 4-8 M10	4-8	M10	750	50	3.100	1483669
BCTR 8-14 M10	8-14	M10	750	50	3.200	1483671

Beam clamp for knocking in with threaded rod seat as individual fastening solution on the beam.



Beam clamp, for pipes

St ZL

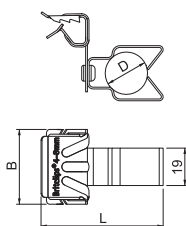


Type	Flange thickness mm	Clamping range D mm	Breaking load N	Pack Piece	Weight kg/100 pc.	Item no.
BCHPC 2-4 D20	2-4	18-24	450	50	2.900	1483681
BCHPC 2-4 D25	2-4	22-26	450	50	3.200	1483683
BCHPC 2-4 D32	2-4	30-32	450	50	3.850	1483685
BCHPC 4-8 D20	4-8	18-24	450	50	3.400	1483687
BCHPC 4-8 D25	4-8	22-26	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

Beam clamp for knocking in with closed pipe seat as individual fastening solution on the beam.

Beam clamp, for pipes

St ZL

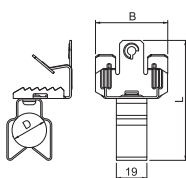


Type	Flange thickness mm	Pipe size D mm	Breaking load N	Pack Piece	Weight kg/100 pc.	Item no.
BCHPO 2-4 D20	2-4	20	110	50	2.950	1483811
BCHPO 2-4 D25	2-4	25	110	50	2.000	1483813
BCHPO 2-4 D32	2-4	32	110	50	2.400	1483815
BCHPO 4-8 D20	4-8	20	110	50	3.000	1483821
BCHPO 4-8 D25	4-8	25	110	50	3.200	1483823
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

Beam clamp for knocking in with open pipe seat as individual fastening solution on the beam.

Beam clamp, for pipes

St ZL



Type	Flange thickness mm	Pipe size D mm	Breaking load N	Pack Piece	Weight kg/100 pc.	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

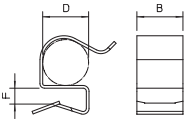
Beam clamp for knocking in with open pipe seat as individual fastening solution on the beam.

St ZL

Beam clamp, for pipes

Type	Flange thickness mm	Clamping range D mm	Pack Piece	Weight kg/100 pc.	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

Beam clamp for knocking in for cables as individual fastening solution on the beam.

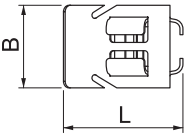
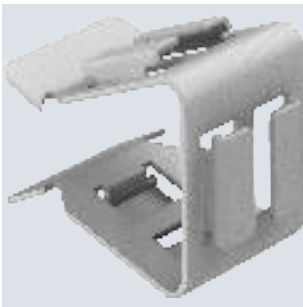


St ZL

Beam clamp, for pipes

Type	Flange thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
BCCA	12-20	100	1.700	1483999

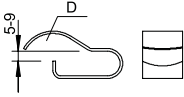
Beam clamp adapter for knocking in. Seat for BCC beam clamps for flange thicknesses of 2 - 4 mm.



St ZL

Support clip

Type	Flange thickness mm	Pipe size D mm	Pack Piece	Weight kg/100 pc.	Item no.
BCCF 8-9 D20	8-9	20	100	1.100	1483985



Screw-in beam clamp, with gland hole

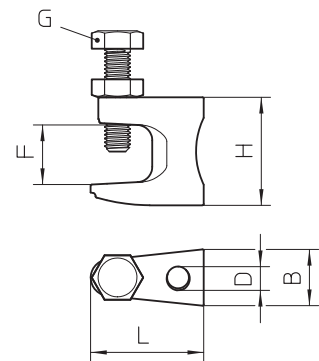
TG



Type	Flange thickness mm	Height mm	Fastening hole mm	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
FL 1 TG	0-18	35	9	1.2	50	8.500	1488015
FL 2 TG	0-20	42	11	2.5	50	14.000	1488023
FL 3 TG	0-26	54	13	3.5	25	18.000	1488031

With gland hole.

Dimensions



Type	Dim. B mm	Dim. D mm	Dim. F mm	Dimen- sion G	Dim. H mm	Dim. L mm
FL 1 TG	19	9	18	M8	35	38
FL 2 TG	21	11	20	M10	42	44
FL 3 TG	23.5	13	26	M10	54	58

Screw-in beam clamp, with thread

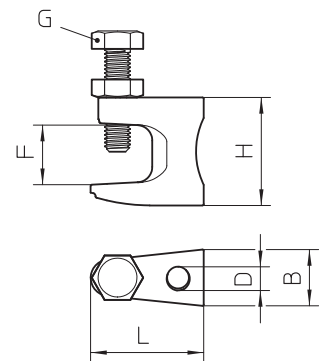
TG



Type	Flange thickness mm	Height mm	For threaded rod	Break load kN	Pack Piece	Weight kg/100 pc.	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

With thread.

Dimensions



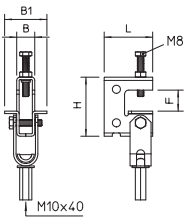
Type	Dim. B mm	Dim. F mm	Dimen- sion G	Dim. H mm	Dim. L mm
FL1-G M8 TG	19	18	M8	35	38
FL2-G M10 TG	21	20	M10	42	44
FL3-G M12 TG	23.5	26	M10	54	58

St ZL

Screw-in beam clamp, with hinge

Type	Flange thickness mm	For threaded rod	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
TK FL G	0-24	M10	2.8	10	34.000	1488111

Two-hinge beam clamp for fastening on beams without welding and drilling. The maximum load is dependent on the load direction.

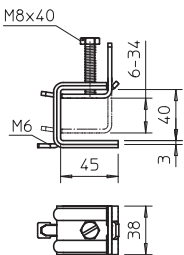


St G

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

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 end caps.



St FT

Beam clamp SSP 6-21

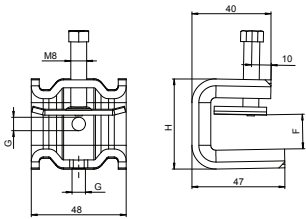
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack Piece	Weight kg/100 pc.	Item no.
SSP 6-21 M6 FT	6-21	M6	1.75	1.5	25	23.900	1486232
SSP 6-21 M8 FT	6-21	M8	1.75	1.5	25	23.900	1486282

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.



Type	Dim. B mm	Dim. H mm	Dim. L mm
SSP 6-21 M6 FT	48	46	47

Dimensions



Support clamps for screwing in

Beam clamp SSP 6-21

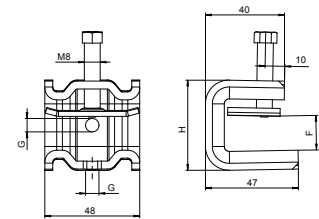
VA A2 2B



Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack Piece	Weight kg/100 pc.	Item no.
SSP 6-21 M6 A2	6-21	M6	1.75	1.5	25	23.200	1486234
SSP 6-21 M8 A2	6-21	M8	1.75	1.5	25	23.200	1486284

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.

Dimensions



Type	Dim. B mm	Dim. H mm	Dim. L mm
SSP 6-21 M6 A2	48	46	47

Beam clamp SSP 20-40

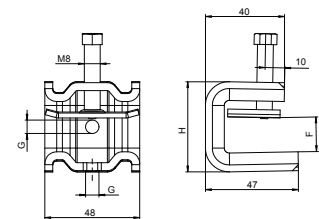
St FT



Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack Piece	Weight kg/100 pc.	Item no.
SSP 20-40 M6 FT	20-40	M6	1.4	1.3	25	27.700	1486238
SSP 20-40 M8 FT	20-40	M8	1.4	1.3	25	27.800	1486288

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.

Dimensions



Type	Dim. B mm	Dim. H mm	Dim. L mm
SSP 20-40 M6 FT	48	65	47

VA A2 2B

Beam clamp SSP 20-40

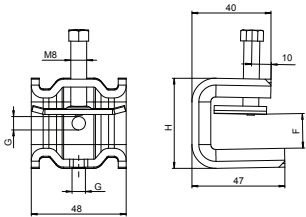
Type	Flange thickness mm	For threaded rod	Breaking load F1 kN	Breaking load F2 kN	Pack Piece	Weight kg/100 pc.	Item no.
SSP 20-40 M6 A2	20-40	M6	1.4	1.3	25	27.700	1486242
SSP 20-40 M8 A2	20-40	M8	1.4	1.3	25	27.800	1486292

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.



Type	Dim. B mm	Dim. H mm	Dim. L mm
SSP 20-40 M6 A2	48	65	47

Dimensions



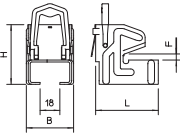
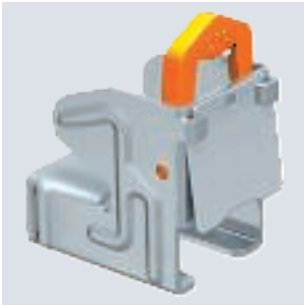
Special beam clamps

St ZL

Beam clamp, for profile rail CM3518

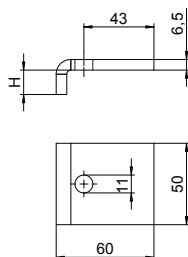
Type	Flange thickness mm	Height mm	Width mm	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
328 1	5-11	54.3	39.5	57	50	10.800	1408011
328 2	10-19	54.3	39.5	67	50	12.500	1408046

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 end caps.



Clamping angle KL

St FT

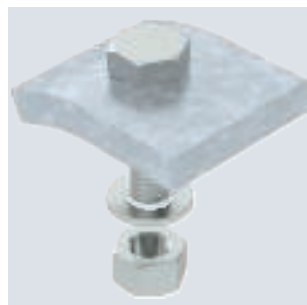
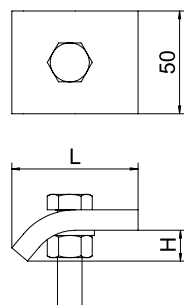


Type	Height mm	Bolt	Pack Piece	Weight kg/100 pc.	Item no.
KL1 10 S FT	10	M10x40	10	22.100	6354106
KL1 15 S FT	15	M10x50	10	23.400	6354114
KL1 20 S FT	20	M10x50	10	25.000	6354122

Clamping lug, type KL1, to fasten light support structures to steel girder flanges.
Choose the clamping lug according to the thickness of the flange.

Clamping angle KWS

St FT

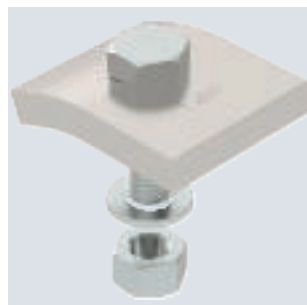
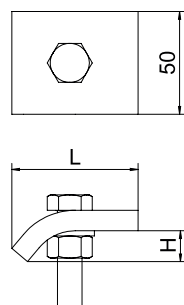


Type	F in kN	Bolt	Dim. H mm	Pack Pair	Weight kg/100 pairs	Item no.
KWS 5 FT	5.7	M12x40	5	10	64.000	6355218
KWS 10 FT	5.7	M12x50	10	10	70.000	6355226
KWS 15 FT	5.7	M12x50	15	10	65.200	6355234
KWS 20 FT	5.7	M12x60	20	10	79.000	6355242
KWS 25 FT	5.7	M12x60	25	10	80.000	6355250

Clamping angle, with hexagonal bolt, type KWS, for direct fixing of constructions to steel girder flanges.
Choose the clamping angle according to the thickness of the flange.

Clamping angle KWS

VA 2B

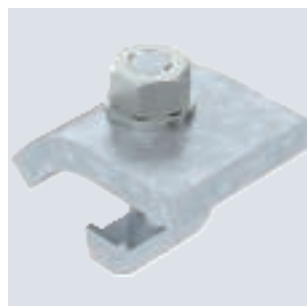
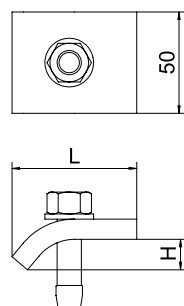


Type	F in kN	Bolt	Dim. H mm	Pack Pair	Weight kg/100 pairs	Item no.
KWS 5 A2	5.7	M12x40	5	5	62.000	6355404
KWS 10 A2	5.7	M12x50	10	5	68.000	6355412
KWS 15 A2	5.7	M12x50	15	5	73.000	6355420
KWS 20 A2	5.7	M12x60	20	5	77.000	6355439
KWS 25 A2	5.7	M12x60	25	5	81.000	6355447

Clamping angle, with hexagonal bolt, type KWS, for direct fixing of constructions to steel girder flanges.
Choose the clamping angle according to the thickness of the flange.

Clamping angle KWH

St FT



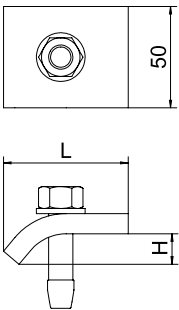
Type	Height mm	F in kN	Bolt	Pack Pair	Weight kg/100 pairs	Item no.
KWH 5 FT	5	5.7	M12x40	10	67.000	6355021
KWH 10 FT	10	5.7	M12x50	10	73.000	6355048
KWH 15 FT	15	5.7	M12x50	10	76.000	6355056
KWH 20 FT	20	5.7	M12x60	10	82.000	6355064
KWH 25 FT	25	5.7	M12x60	10	87.000	6355072

Clamping angle, with hook-head bolt, type KWH, for fastening in the mounting rail, type MS5030.
Adapt the clamping angle to the material thickness of the flange.
The clamping angle is used in conjunction with profile rails of slot width 22 mm.

VA 2B

Type	Height mm	F in kN	Bolt	Pack Pair	Weight kg/100 pairs	Item no.
KWH 5 A2	5	5.7	M12x40	5	65.000	6355307
KWH 10 A2	10	5.7	M12x50	5	71.000	6355315
KWH 15 A2	15	5.7	M12x50	5	73.000	6355323
KWH 20 A2	20	5.7	M12x60	5	80.000	6355331
KWH 25 A2	25	5.7	M12x60	5	84.000	6355358

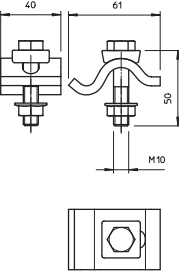
Clamping angle, with hammer-head bolt, type KWH, for fixing in the profile rail, type CPS 5.
Choose the clamping angle according to the thickness of the flange.
The clamping angle is used in conjunction with profile rails of slot width 22 mm (e.g. type CPS 5).



St FT

Type	Height mm	F in kN	Bolt	Pack Pair	Weight kg/100 pairs	Item no.
TKS-L-25 FT	25	10	M10x50	10	39.200	6355808

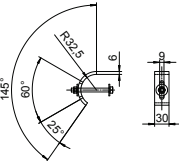
Chuck jaw with hexagonal nut for direct fastening of structures to steel girders.
The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm.



St FT

Type	Height mm	Bolt	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TKS-L-36 M8 FT	36	M8x80	10	50	16.000	6355828

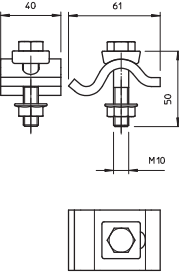
Chuck jaw with hexagonal nut for direct fastening of structures to steel girders.
The clamping range of the chuck jaw is limited to the maximum fastening thickness of 36 mm.



St FT

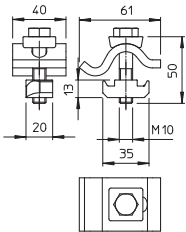
Type	Height mm	Bolt	F in kN	Pack Piece	Weight kg/100 pc.	Item no.
TKS-L-36 M12 FT	36	M12x80	10	25	36.000	6355829

Chuck jaw with hexagonal nut for direct fastening of structures to steel girders.
The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm.



Chuck jaw, light duty TKH

St FT

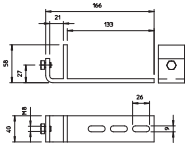


Type	Height mm	F in kN	Bolt	Pack Pair	Weight kg/100 pairs	Item no.
TKH-L-25 FT	25	10	M10x25	10	46.000	6355812

Light-duty chuck jaw with slide nut for fixing profile rails to steel girder flanges.
The clamping range of the chuck jaw is limited to the maximum fastening thickness, 25 mm.
The chuck jaw is used in combination with profile rails of slot widths 18 mm and 22 mm.

Beam clamp, vertical BFK 166

St FT

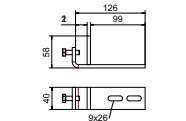


Type	Width mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
BFK 166 58 20 FT	166	133	10	45.000	6003888

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs vertically.

Beam clamp, vertical BFK 132

St FT

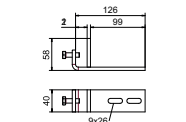


Type	Width mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
BFK 132 58 FT	132	99	10	39.000	6003880

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs vertically.

Beam clamp, vertical BFK 132

VA 2B



Type	Width mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
BFK 132 58 A2	132	99	10	38.000	6003871

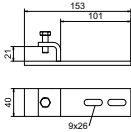
Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs vertically.

St FT

Beam clamp, horizontal BFK 153

Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	Width mm	b mm			
BFK 153 33 FT	153	101	10	37.000	6003884

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.

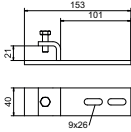


VA 2B

Beam clamp, horizontal BFK 153

Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	Width mm	b mm			
BFK 153 33 A2	153	101	10	37.200	6003873

Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.

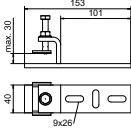


St FT

Beam clamp with pressure plate, horizontal BFK 153

Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	Width mm	b mm			
BFKD 153 44 FT	153	101	10	41.400	6003885

Beam clamp with pressure plate for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.

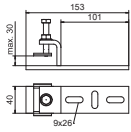


VA 2B

Beam clamp with pressure plate, horizontal BFK 153

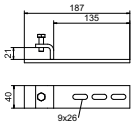
Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	Width mm	b mm			
BFKD 153 44 A2	153	101	10	42.400	6003887

Beam clamp with pressure plate for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.



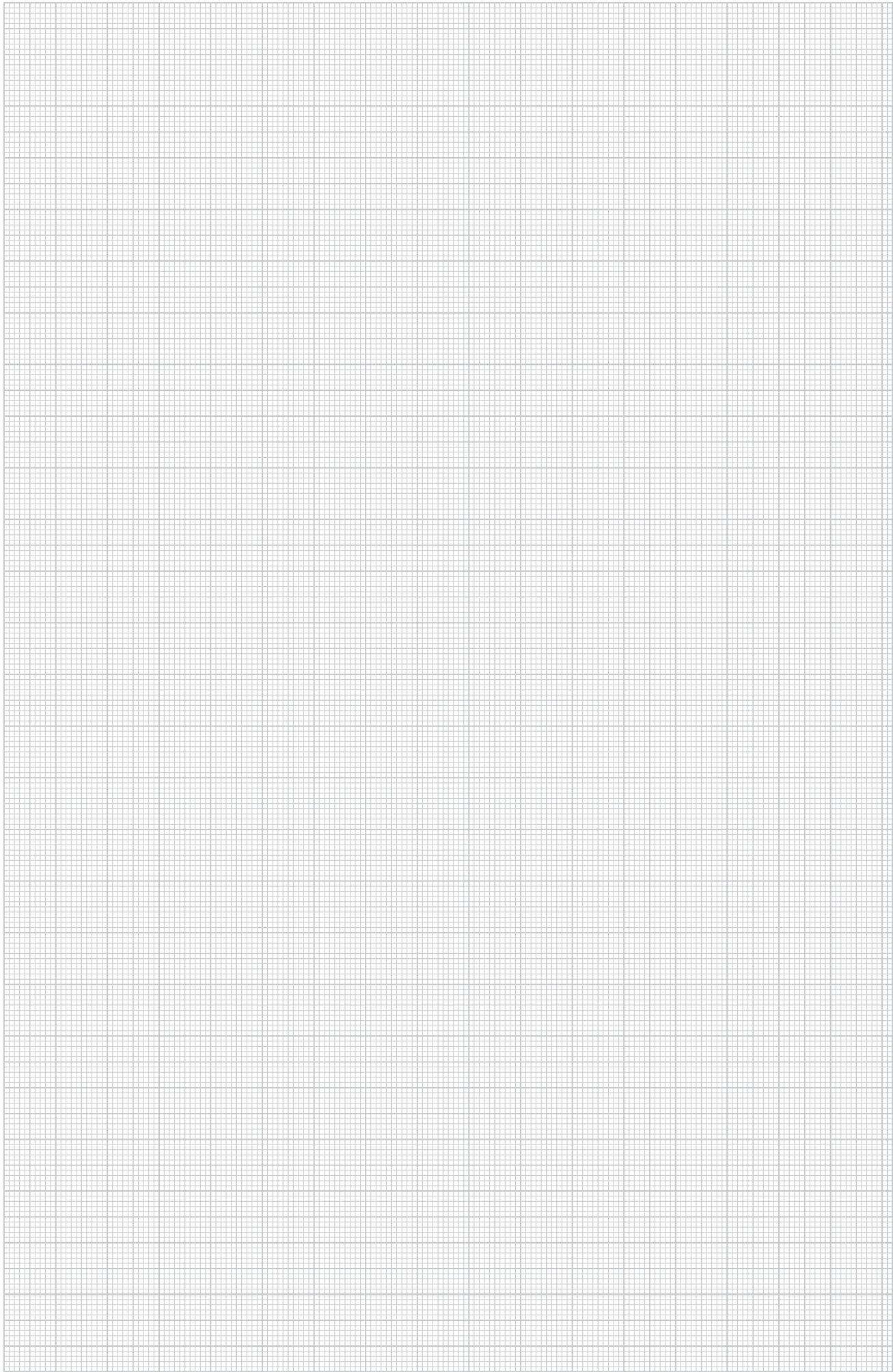
Beam clamp, horizontal BFK 187

St FT



Type	Width mm	Dim. b mm	Pack		Weight kg/100 pc.	Item no.
			Piece			
BFK 187 33 FT	187	135	10		43.000	6003892

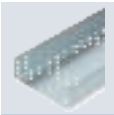
Beam clamp for clamping on the steel girder.
The cable support system attached to the beam clamp runs horizontally.



GI Cable Trunking

Industrial ducts

GI Cable Trunking

	Walkable cable trays	460
	Metal cable routing ducts	464
	AZ small ducts	474
	Luminaire support rails/luminaire support trays	488
	Fittings, cable routing ducts	498
	Connector	506
	Lid	508
	Accessories	510

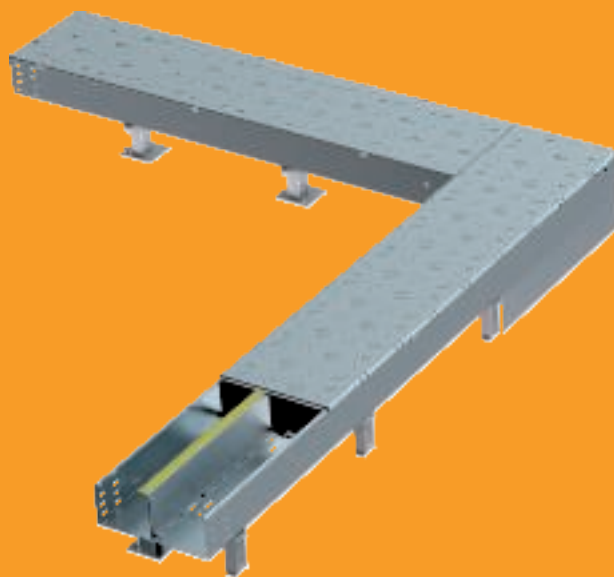




Walkable cable tray system BKRS

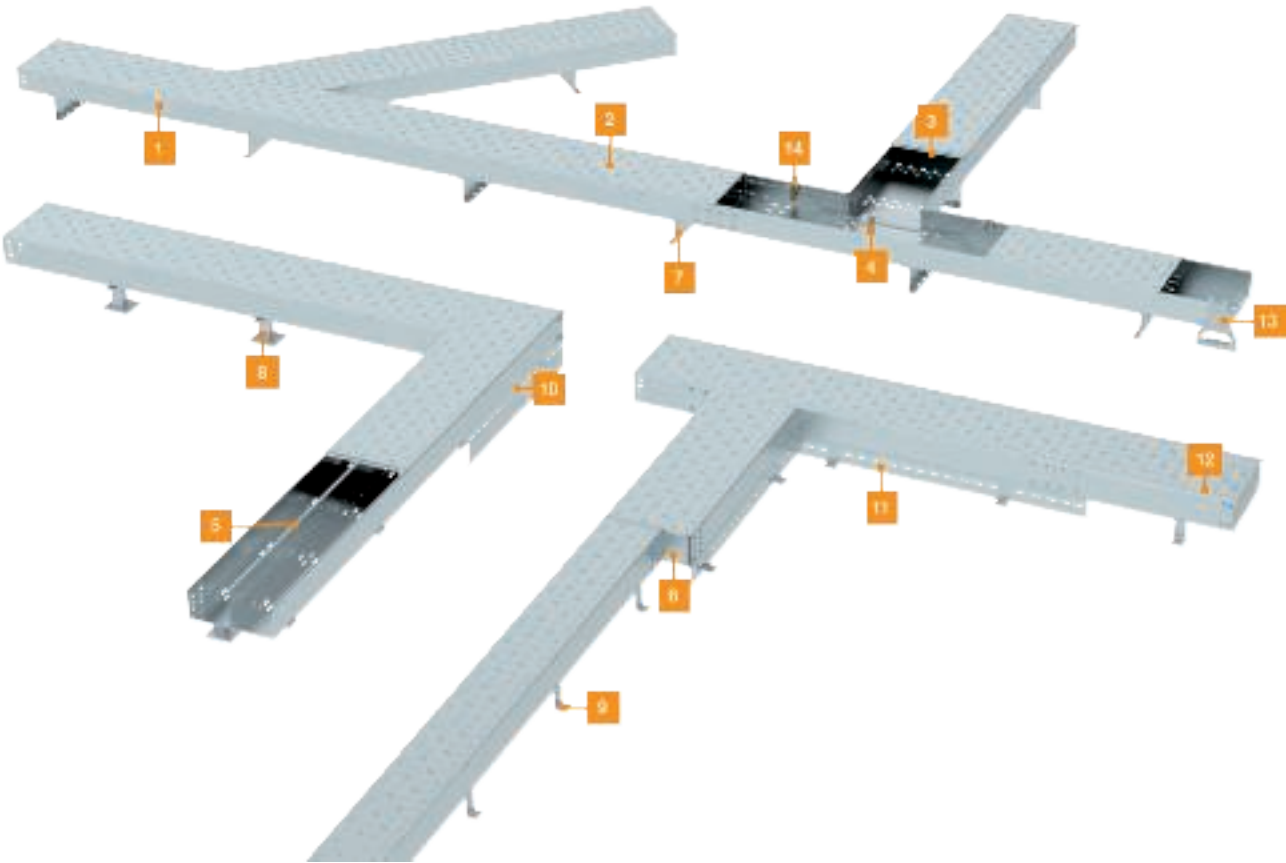
OBO's BKRS walkable cable tray systems offer safe access to machines and systems. Trays, covers, support brackets and support profiles can accept large loads on account of their construction.

- High footfall load of minimum 350 kg
- High material stability
- Optimal accident prevention
- Slip resistance: R11
- Displacement space: V10



Cable tray system, walkable

Installation principle

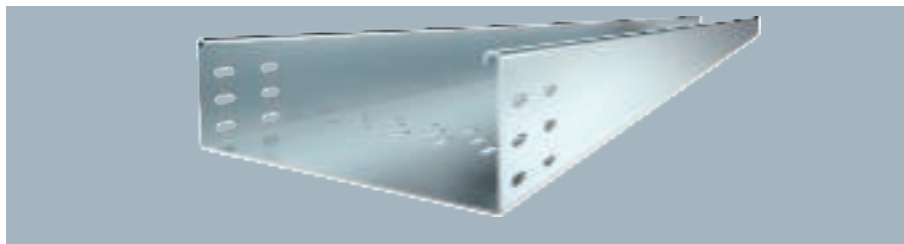


1	BKRS cable tray	BKRS	11	Protective panel for Z supports
2	Chequer plate cover	DBKR	12	Cover clamp
3	Dust protection element		13	Cover lifter
4	Cover support	DST 110	14	Clamp spring for conductor cable and connection terminal
5	Z-shaped barrier strip	TSG100Z		
6	Reducing bracket			
7	Support profile	STP Z		
8	Support bracket			
9	Z support			
10	Protective panel for support bracket			



Cable tray BKRS 100

St FS



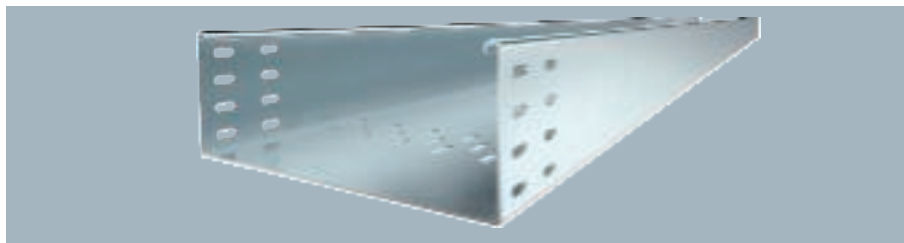
Heavy-duty, walkable cable tray system BKRS with base perforation, in 100 mm side height.

The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

Type	Side height mm	Dim. H mm	Dim. B mm	Dim. L mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
BKRS 1010 FS	100	100	100	3000	2.00	3	469.800	6062000
BKRS 1020 FS	100	100	200	3000	2.00	3	614.567	6062002
BKRS 1030 FS	100	100	300	3000	2.00	3	761.267	6062004
BKRS 1040 FS	100	100	400	3000	2.00	3	908.000	6062006
BKRS 1050 FS	100	100	500	3000	2.00	3	1,054.700	6062008
BKRS 1060 FS	100	100	600	3000	2.00	3	1,201.400	6062010

Cable tray BKRS 110

St FS

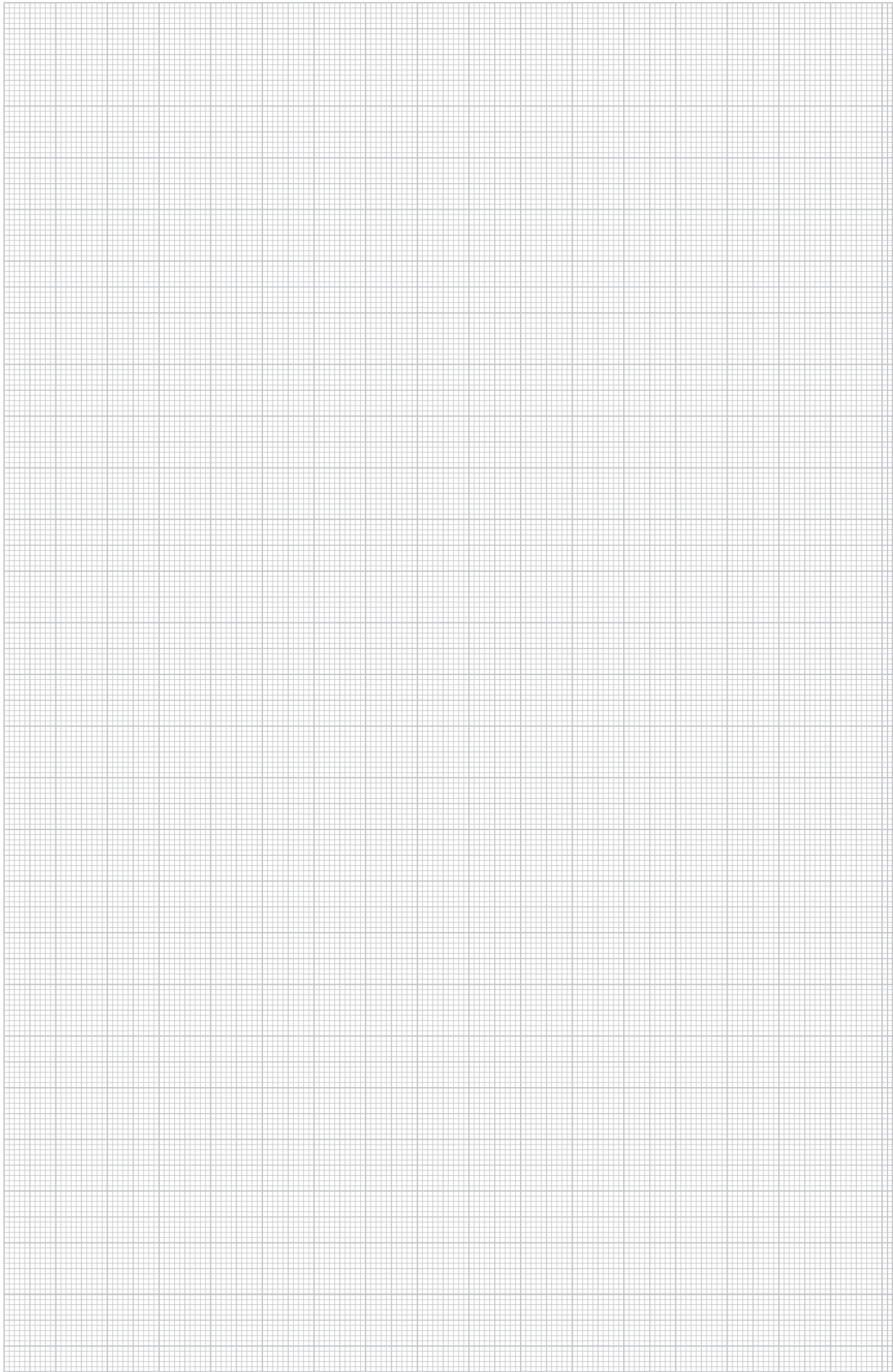


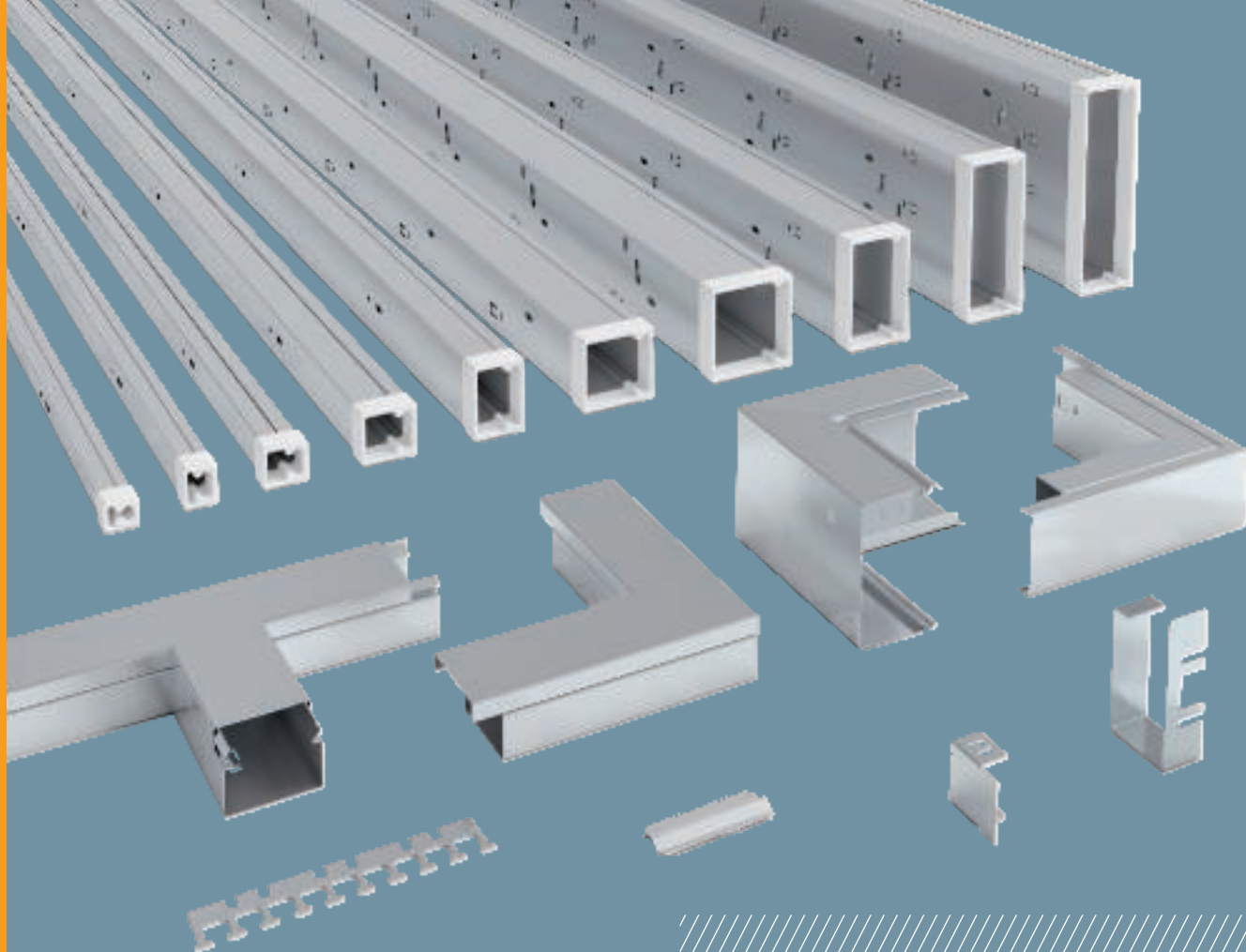
Heavy-duty, walkable cable tray system BKRS with base perforation, in 110 mm side height.

The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

Type	Side height mm	Dim. H mm	Dim. B mm	Dim. L mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
BKRS 1110 FS	110	110	100	3000	2.00	3	514.770	6061981
BKRS 1120 FS	110	110	200	3000	2.00	3	659.567	6061983
BKRS 1130 FS	110	110	300	3000	2.00	3	806.267	6061985
BKRS 1140 FS	110	110	400	3000	2.00	3	952.967	6061987
BKRS 1150 FS	110	110	500	3000	2.00	3	1,099.700	6061989
BKRS 1160 FS	110	110	600	3000	2.00	3	1,260.800	6061991







LKM cable ducts, metal

A wide range of practical mounting details make the LKM cable ducts a reliable partner during cable routing.



Partition



Duct clamp



Secure equipotential bonding



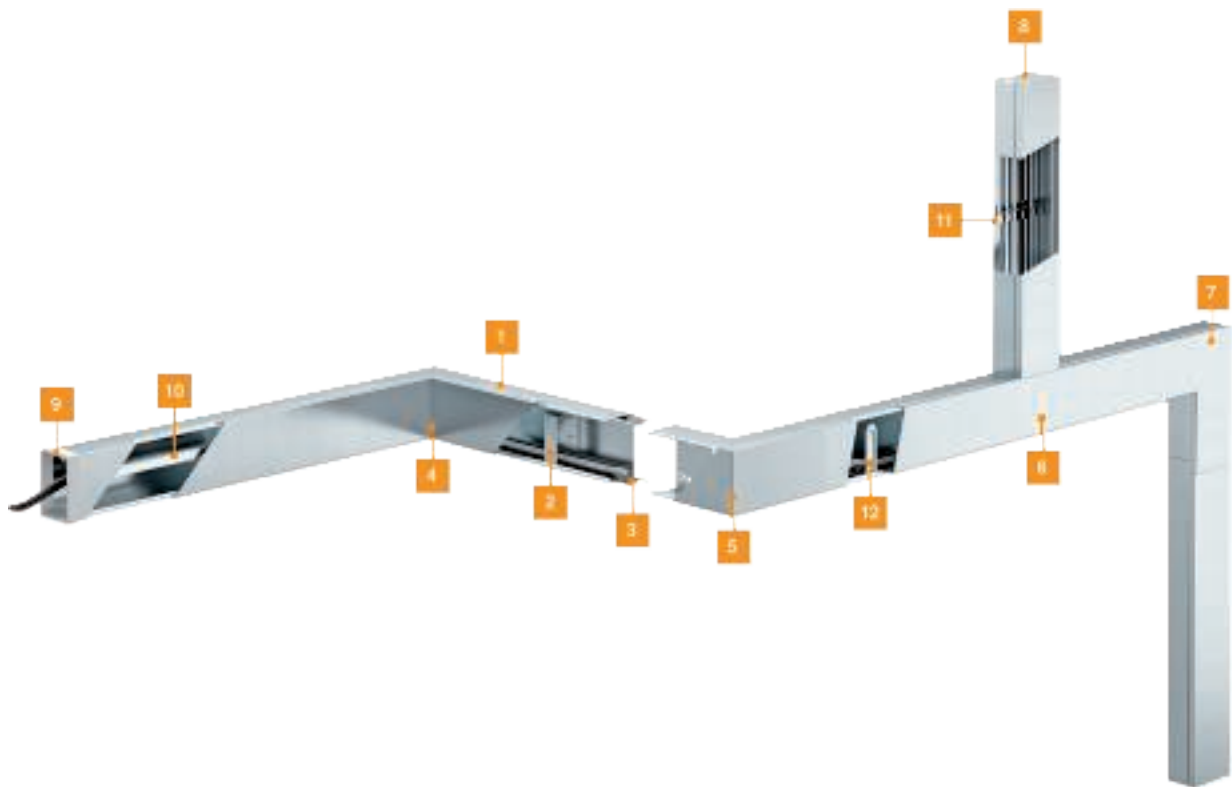
Cable brackets



Edge protection

LKM cable ducts, metal

Installation principle



1	Trunking	LKM
2	Duct clamp for the maintenance of electrical function	LKM KF
3	Joint connector	LKM SV
4	Internal corner	LKM I
5	External corner	LKM A
6	T piece	LKM T
7	Flat angle	LKM F
8	End piece	LKM E
9	Edge protection ring	KSR
10	Partition	LKM TWS
11	Cable brackets	LKM Z
12	Duct clamp	LKM KF



Maintenance of electrical function LKM cable routing ducts



Horizontal wall and ceiling mounting.



Routing of power, data or fire alarm cables in the duct, type LKM60100.



Tidy routing of data and fire alarm cables in the duct, type 20030.



Retaining clamps locked into the base as installation aid for wall mounting.



Retaining clamps as mounting aid for the insertion of cables for ceiling mounting.



S30

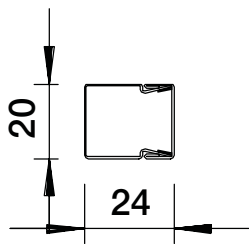
S60

S90

Cable routing with metal cable ducts, type LKM, is approved as a cable-specific routing type for the maintenance of electrical function classes E 30, E 60 and E 90 according to DIN 4102 Part 12. The ducts may be routed horizontally on the wall or under the ceiling and offer additional mechanical protection of the installed cables. This installation variant is also used if, for reasons of appearance, open routing of the cables with the maintenance of electrical function is not wanted. A retaining clamp is available as an installation aid for the duct type LKM60100. This prevents cables from falling out in the case of wall and ceiling mounting. When cable installation has been completed, the duct cover is locked onto the duct base.

St FS

Cable trunking, type LKM 20020

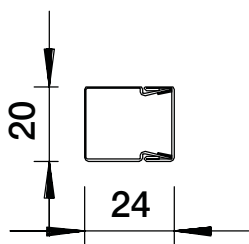


Duct cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20020FS	2000	2	46.000	6246966

St FSK

Cable trunking, type LKM 20020

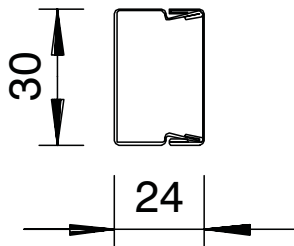


Duct cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20020RW	2000	2	52.000	6248462

St FS

Cable trunking, type LKM 20030

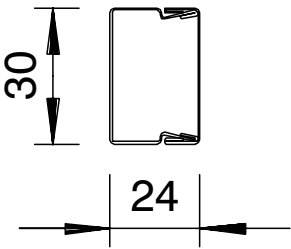


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. The LKM cable trunking, type LKM 20030FS, has been tested for the maintenance of electrical function as a routing system according to DIN 4102 Part 12. Please note the cable types tested in the BSS fire protection systems division!

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20030FS	—	2000	2	58.000	6246974

Cable trunking, type LKM 20030

St FSK

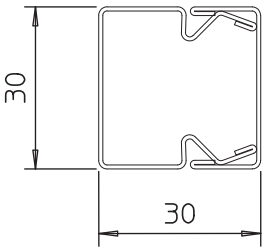


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20030RW	Pure white	2000	2	58.000	6248470

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. The LKM cable trunking, type LKM 20030FS, has been tested for the maintenance of electrical function as a routing system according to DIN 4102 Part 12. Please note the cable types tested in the BSS fire protection systems division!

Cable routing trunking, type LKM 30030

St FS FSK

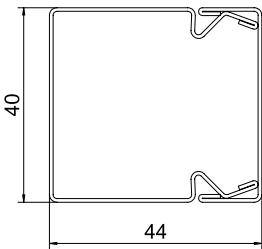


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM30030FS	—	2000	2	62.000	6246985
LKM30030RW	Pure white	2000	2	62.000	6248489

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Cable trunking, type LKM 40040

St FS

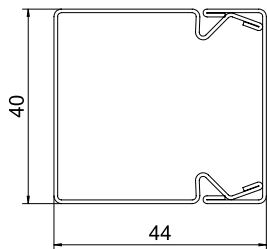


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM40040FS	—	2000	2	117.000	6246990

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

St FSK

Cable trunking, type LKM 40040

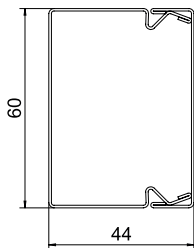


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM40040RW	Pure white	2000	2	127.600	6248497

St FS

Cable trunking, type LKM 40060

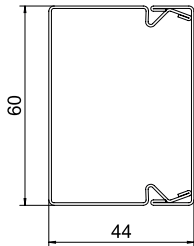


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM40060FS	–	2000	2	151.200	6247016

St FSK

Cable trunking, type LKM 40060

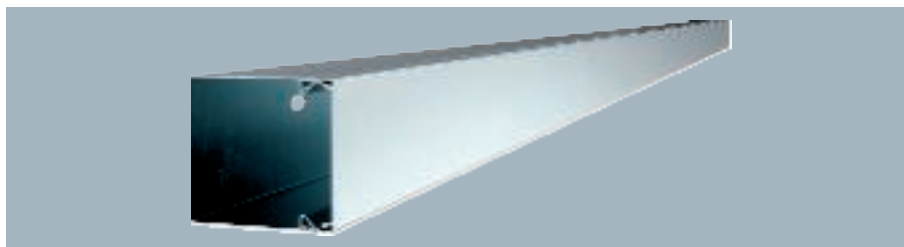
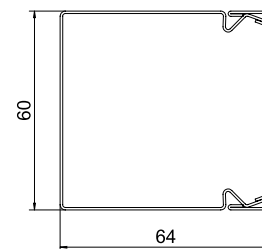


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM40060RW	Pure white	2000	2	151.200	6248519

Cable trunking, type LKM 60060

St FS

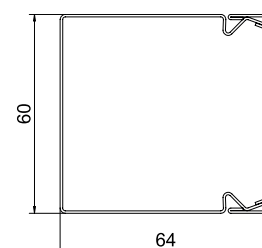


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60060FS	—	2000	2	174.700	6247091

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. Note: LKM 60060 has no loop perforation in the base, a partition cannot be installed.

Cable trunking, type LKM 60060

St FSK

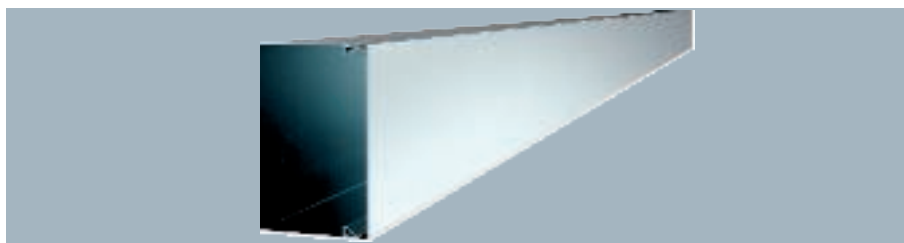
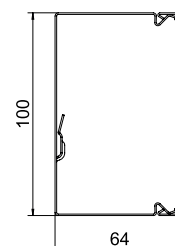


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60060RW	Pure white	2000	2	174.700	6248608

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. Note: LKM 60060 has no loop perforation in the base, a partition cannot be installed.

Cable trunking, type LKM 60100

St FS

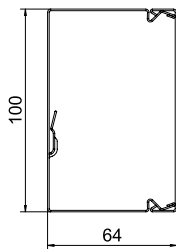


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60100FS	—	2000	2	221.700	6247113

Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. The LKM cable trunking, type LKM 60100FS, has been tested for the maintenance of electrical function as a routing system according to DIN 4102 Part 12. Please note the cable types tested in the BSS fire protection systems division!

St FSK

Cable trunking, type LKM 60100

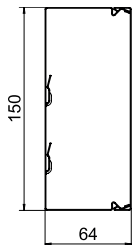


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids. The LKM cable trunking, type LKM 60100FS, has been tested for the maintenance of electrical function as a routing system according to DIN 4102 Part 12. Please note the cable types tested in the BSS fire protection systems division!

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60100RW	Pure white	2000	2	221.700	6248624

St FS

Cable trunking, type LKM 60150

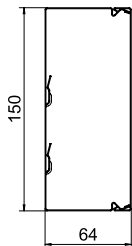


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60150FS	—	2000	2	280.100	6247148

St FSK

Cable trunking, type LKM 60150

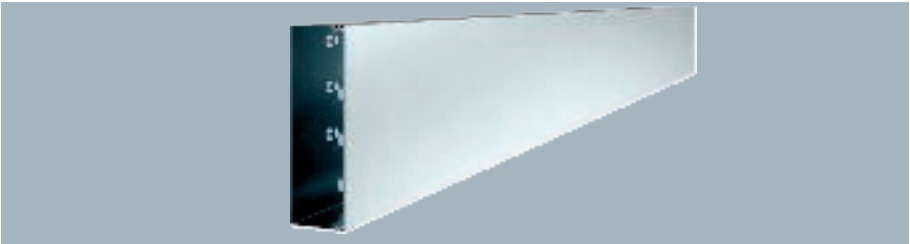
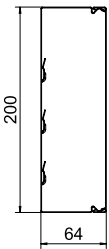


Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60150RW	Pure white	2000	2	280.100	6248640

Cable trunking, type LKM 60200

St FS

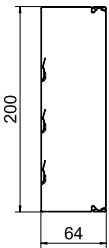


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60200FS	—	2000	2	338.700	6247164

Trunking cover and base with base perforation.
Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Cable trunking, type LKM 60200

St FSK

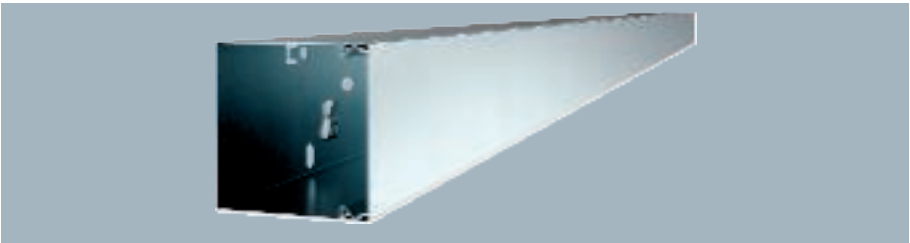
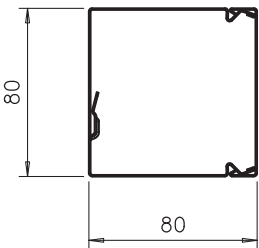


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM60200RW	Pure white	2000	2	338.700	6248667

Trunking cover and base with base perforation.
Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Cable trunking, type LKM 80080

St FS

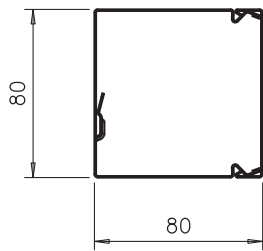


Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM80080FS	—	2000	2	215.000	6247194

Trunking cover and base with base perforation.
Equipotential bonding is guaranteed between the cover and the base without any additional aids.

St FSK

Cable trunking, type LKM 80080



Trunking cover and base with base perforation. Equipotential bonding is guaranteed between the cover and the base without any additional aids.

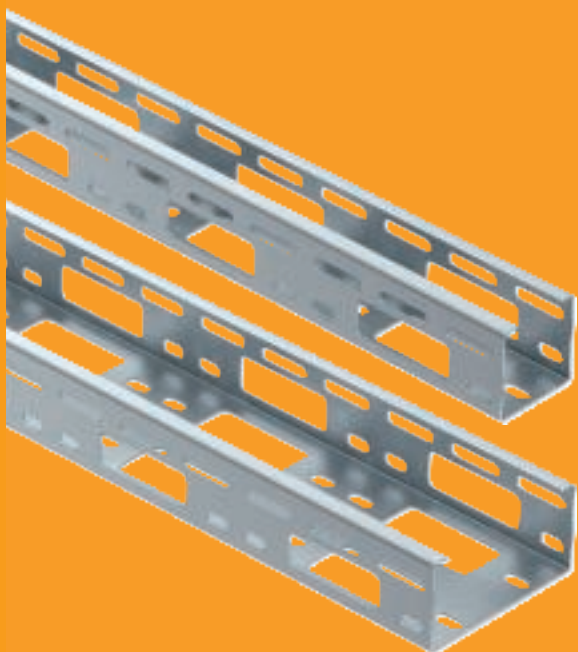
Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM80080RW	Pure white	2000	2	238.000	6248694



AZ small duct

Small duct for universal use with system perforation for cable ventilation and for cable penetration in the side rail and in the bottom.

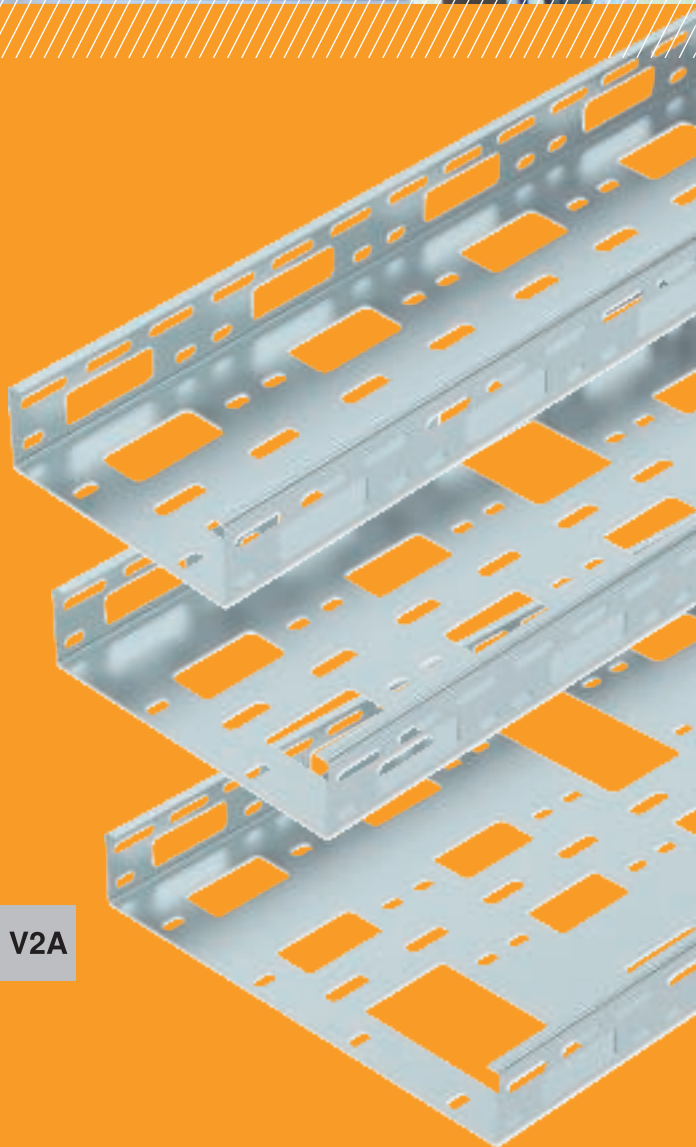
- Side height 50 mm
- Width 50, 100, 150, 200 and 300 mm



FS

FT

V2A



AZ small ducts

Installation principle

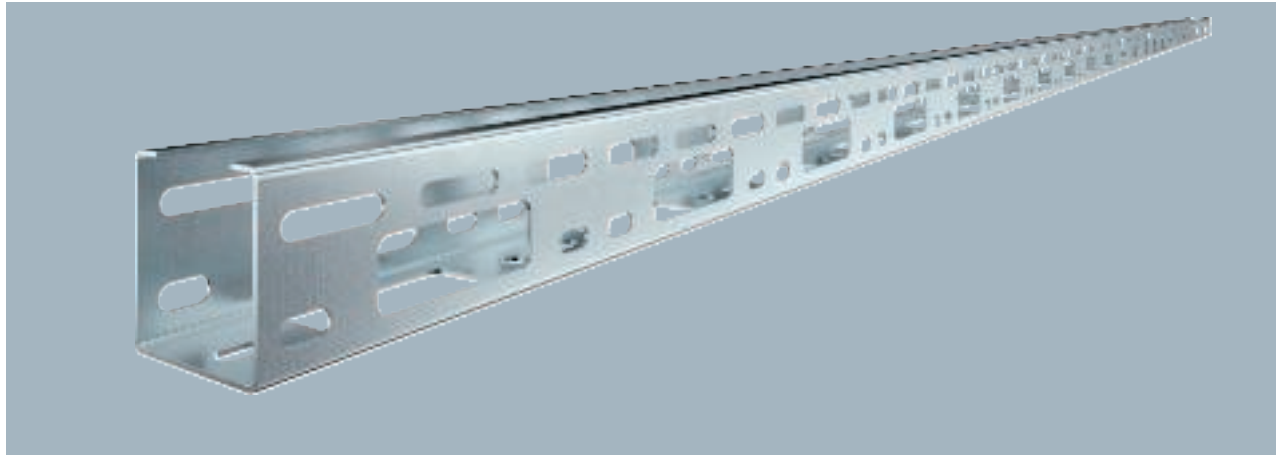


1	AZ small duct	AZK
2	Straight and angle connector	RLVL
3	Motor connection column	
4	Cover for motor connection column	
5	Mounting plate	MP UNI
6	Edge protection ring	KSR



AZ small duct 50

St FS

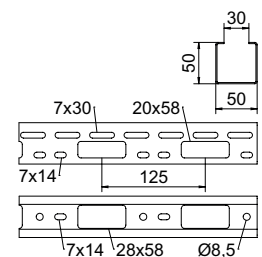


Type	Pack m	Weight kg/100 m	Item no.
AZK 050 FS	3	135.700	6075096

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 050 FS	3000	50	50	1.50

Dimensions

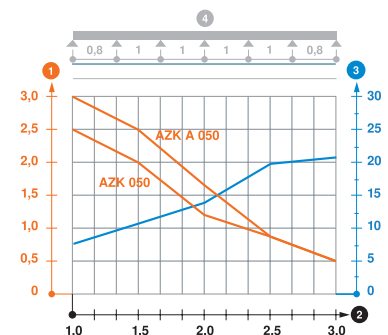


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 050 FS	2.5	2	1.2	0.85	0.5

Load diagram, AZ small duct

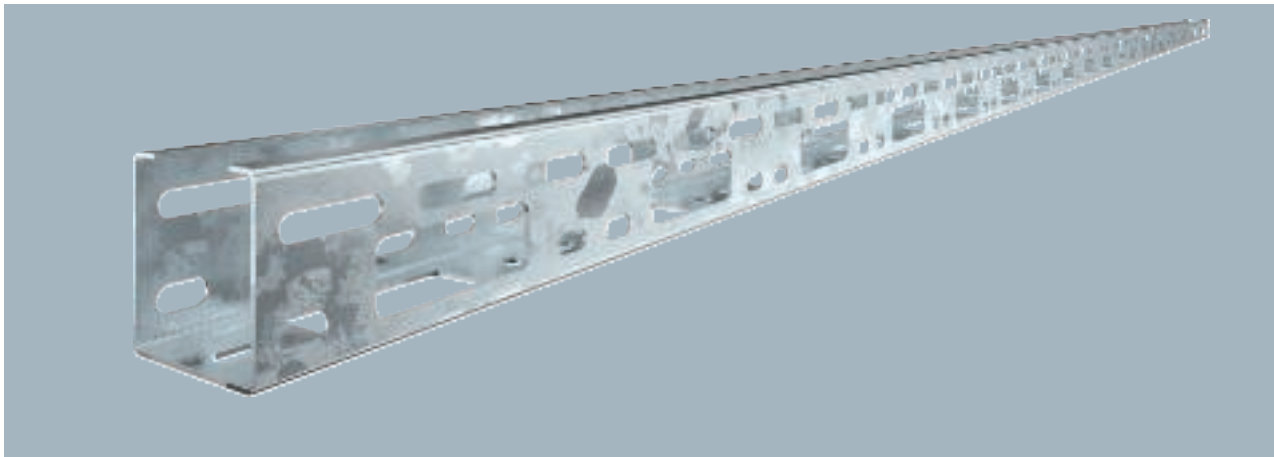
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



St FT

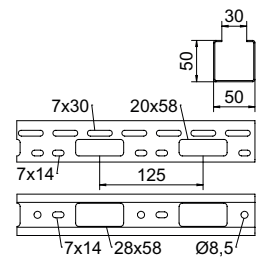
AZ small duct 50



AZ channel with a side height of 50 mm.

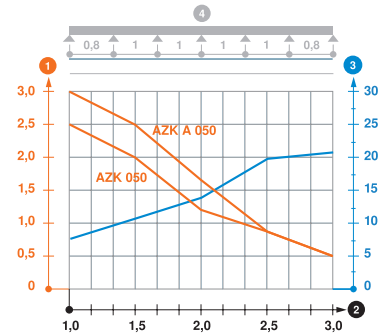
Type	Pack m	Weight kg/100 m	Item no.
AZK 050 FT	3	144.700	6075142

Dimensions



Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 050 FT	3000	50	50	1.50

Load



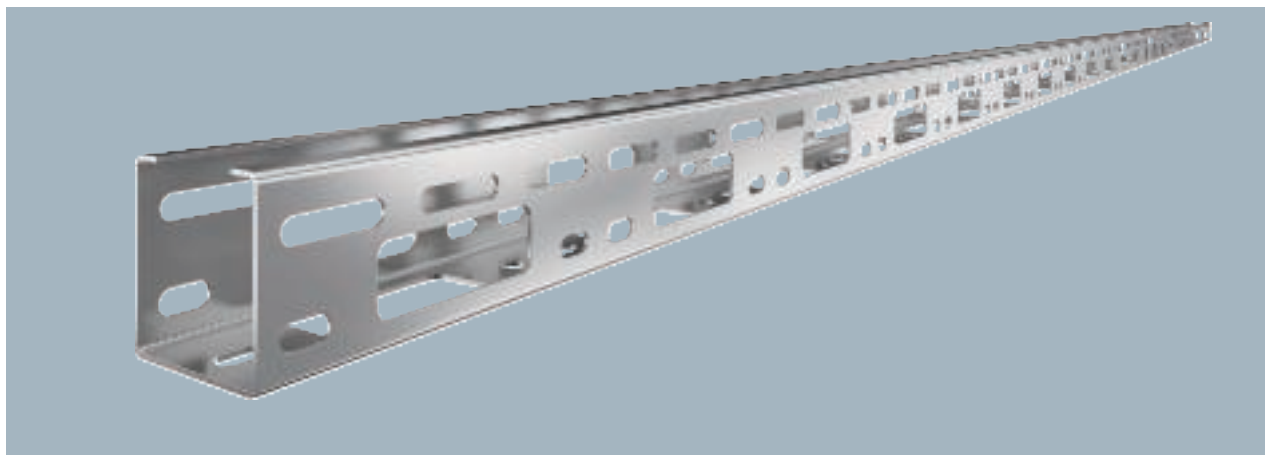
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 050 FT	2.5	2	1.2	0.85	0.5

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

AZ small duct 50

VA VA 2B

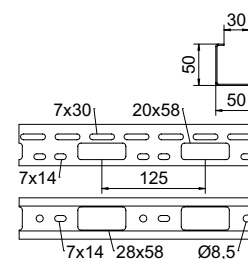


Type	Pack m	Weight kg/100 m	Item no.
AZK 050 A2	3	135.700	6075150
AZK 050 A4	3	135.700	6075152

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 050 A2	3000	50	50	1.50

Dimensions

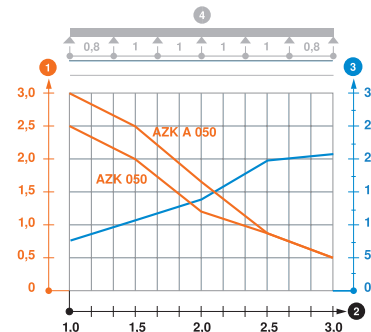


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 050 A2	2.5	2	1.2	0.85	0.5

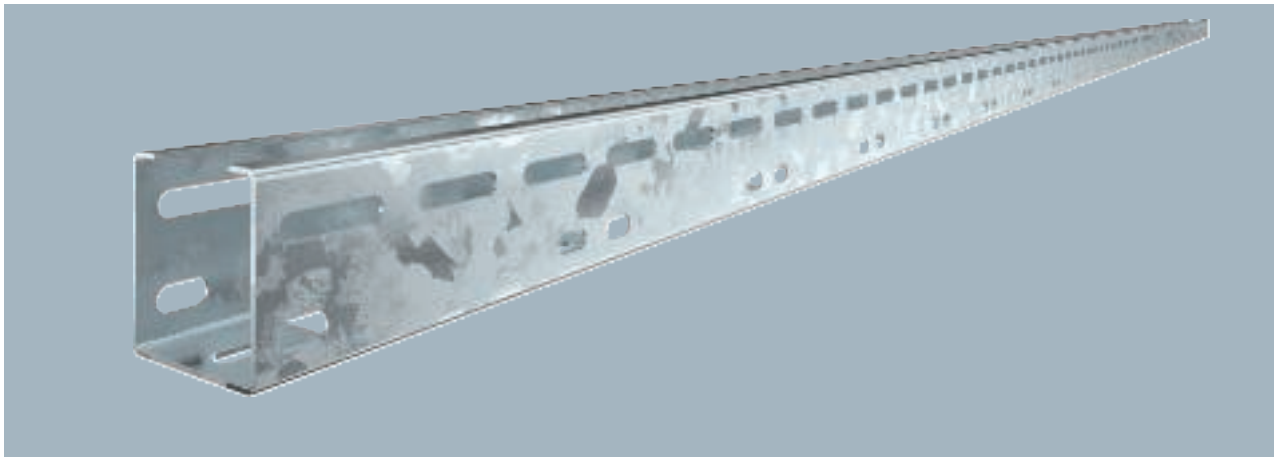
Load diagram, AZ small duct

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



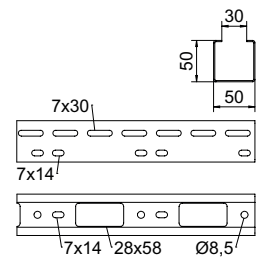
AZ small duct 50



AZ channel with a side height of 50 mm.

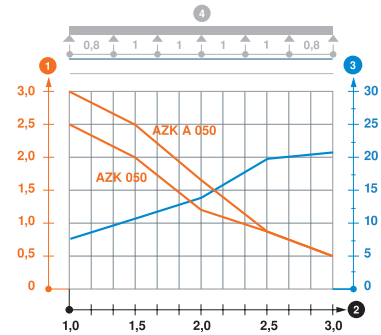
Type	Pack m	Weight kg/100 m	Item no.
AZK A 050 FT	3	165.670	6076149

Dimensions



Type	Length mm	Width mm	Side height mm	Metal thickness mm
AZK A 050 FT	3000	50	50	1.50

Load



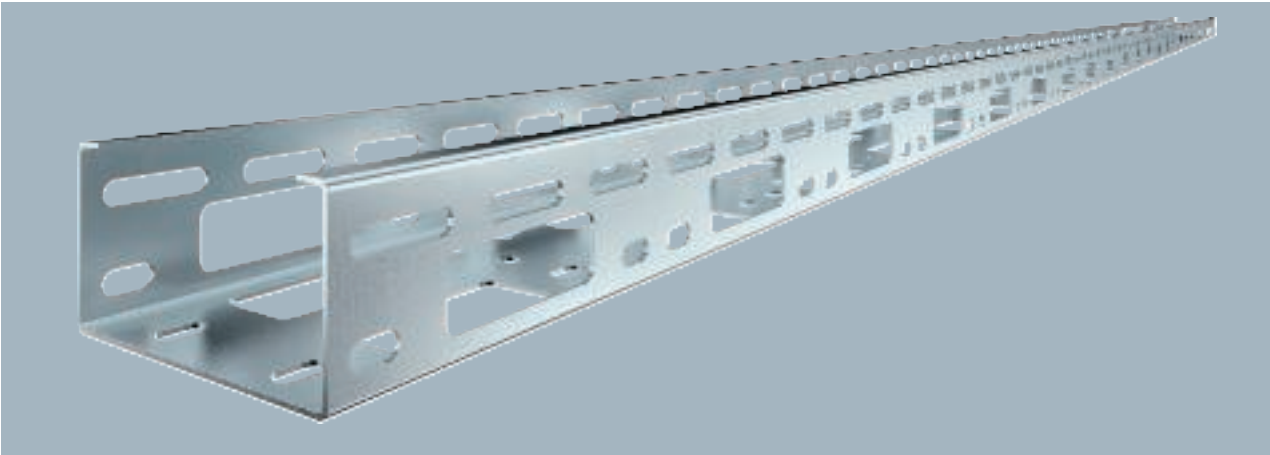
	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
AZK A 050 FT	3	2.5	1.7	0.85	0.5

Load diagram, AZ channel

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

AZ channel 100

St FS FT

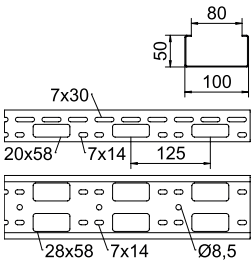


Type	Pack m	Weight kg/100 m	Item no.
AZK 100 FS	3	176.940	6075231
AZK 100 FT	3	188.670	6075258

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 100 FS	3000	100	50	1.50

Dimensions

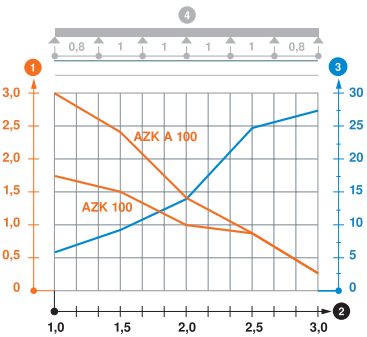


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 100 FS	1.7	1.5	1	0.8	0.25

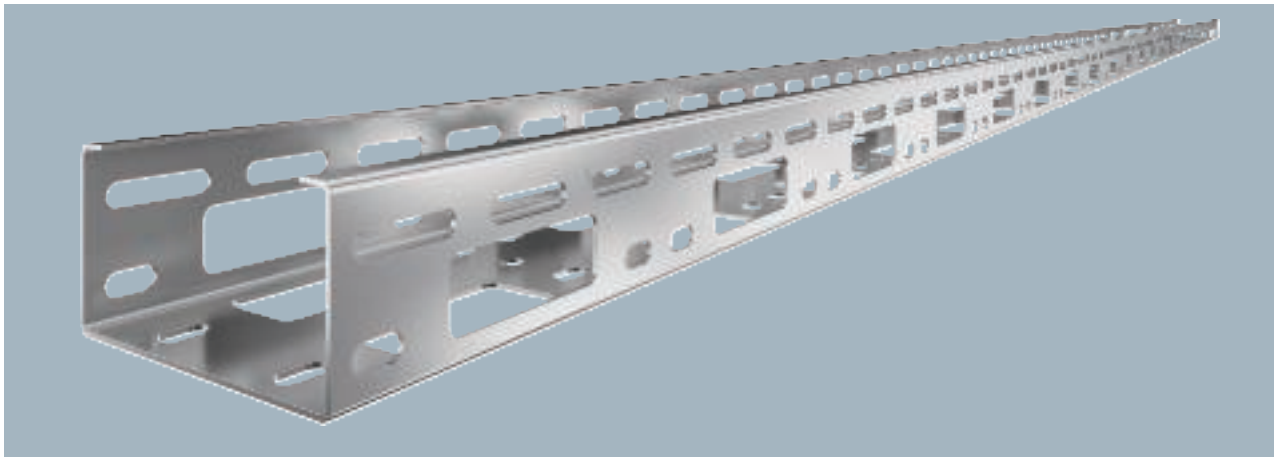
Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



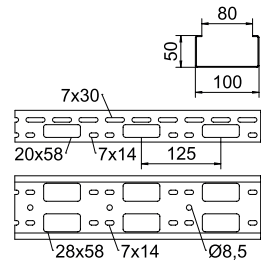
AZ channel 100



AZ channel with a side height of 50 mm.

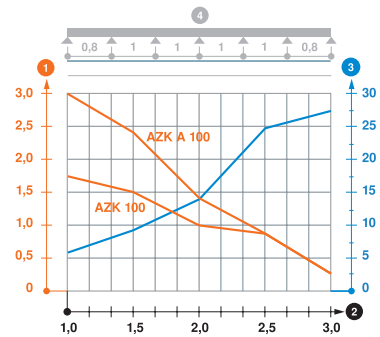
Type	Pack	Weight	Item no.
AZK 100 A2	m	kg/100 m	
	3	176.934	6075304

Dimensions



Type	Length	Width	Side	Metal
	mm	mm	height	thick-
			mm	ness
AZK 100 A2	3000	100	50	1.50

Load



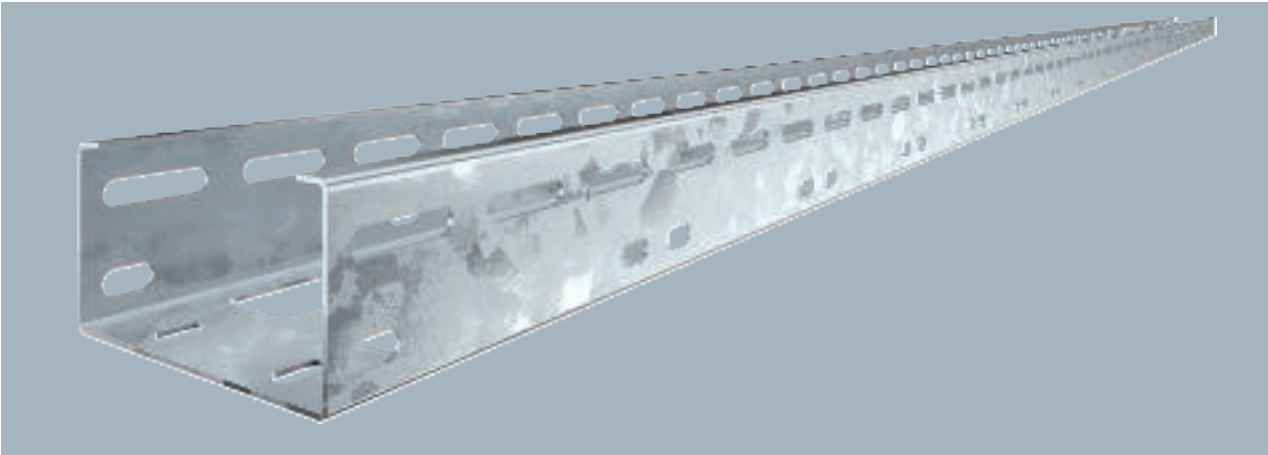
	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
AZK 100 A2	1.7	1.5	1	0.8	0.25

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

AZ channel 100

St FT

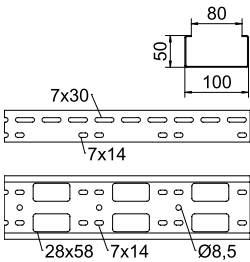


Type	Pack m	Weight kg/100 m	Item no.
AZK A 100 FT	3	212.000	6076246

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK A 100 FT	3000	100	50	1.50

Dimensions

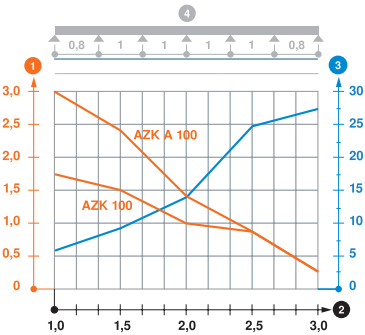


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK A 100 FT	3	2.4	1.4	0.8	0.25

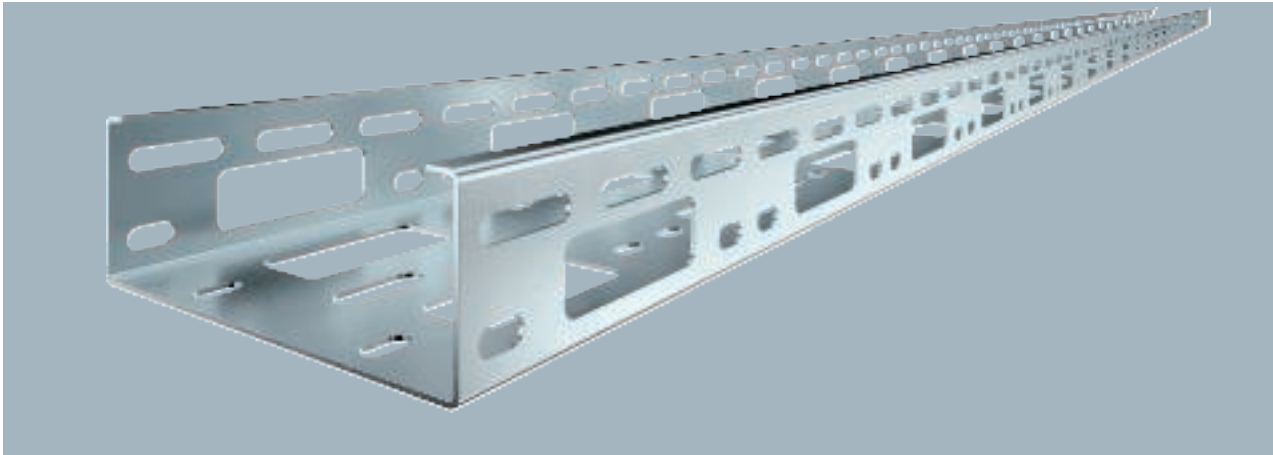
Load diagram, AZ channel

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



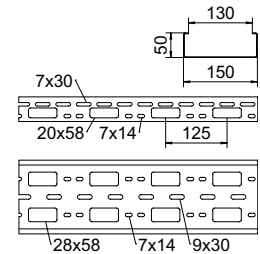
AZ small duct 150



AZ channel with a side height of 50 mm.

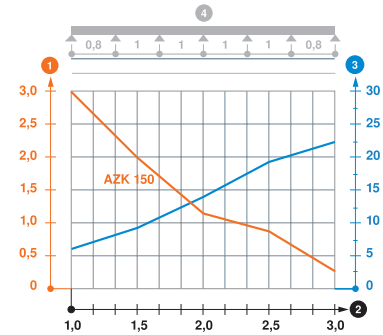
Type	Pack m	Weight kg/100 m	Item no.
AZK 150 FS	3	231.670	6075320
AZK 150 FT	3	245.670	6075325

Dimensions



Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 150 FS	3000	150	50	1.50

Load



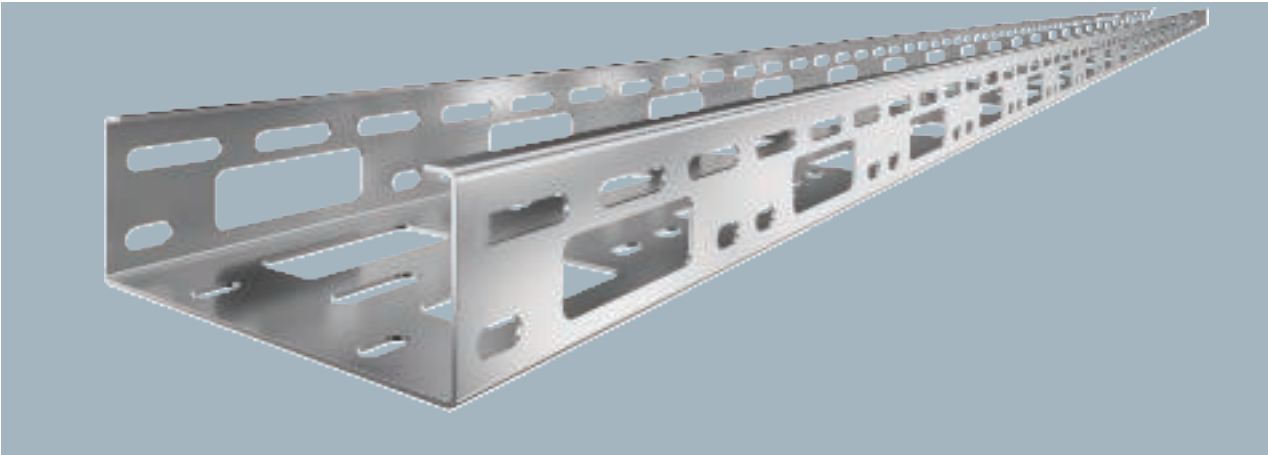
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 150 FS	3	2	1.2	0.8	0.25

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

AZ small duct 150

VA 2B

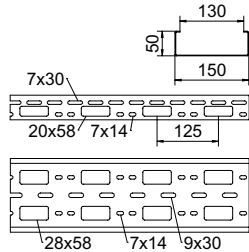


Type	Pack m	Weight kg/100 m	Item no.
AZK 150 A2	3	231.660	6075330

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 150 A2	3000	150	50	1.50

Dimensions

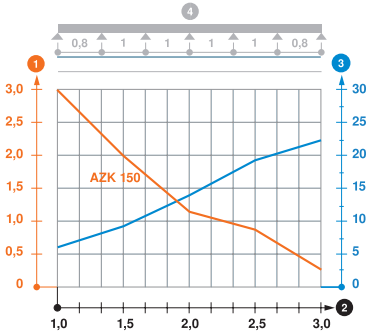


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 150 A2	3	2	1.2	0.8	0.25

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



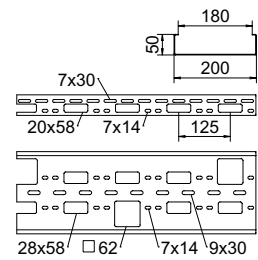
AZ small duct 200



AZ channel with a side height of 50 mm.

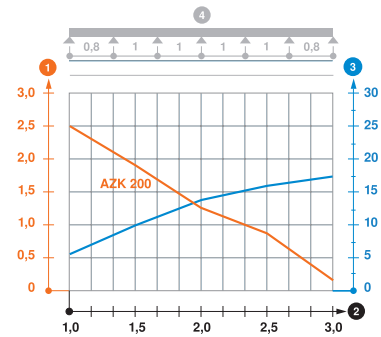
Type	Pack m	Weight kg/100 m	Item no.
AZK 200 FS	3	280.340	6075345
AZK 200 FT	3	296.000	6075350

Dimensions



Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 200 FS	3000	200	50	1.50

Load



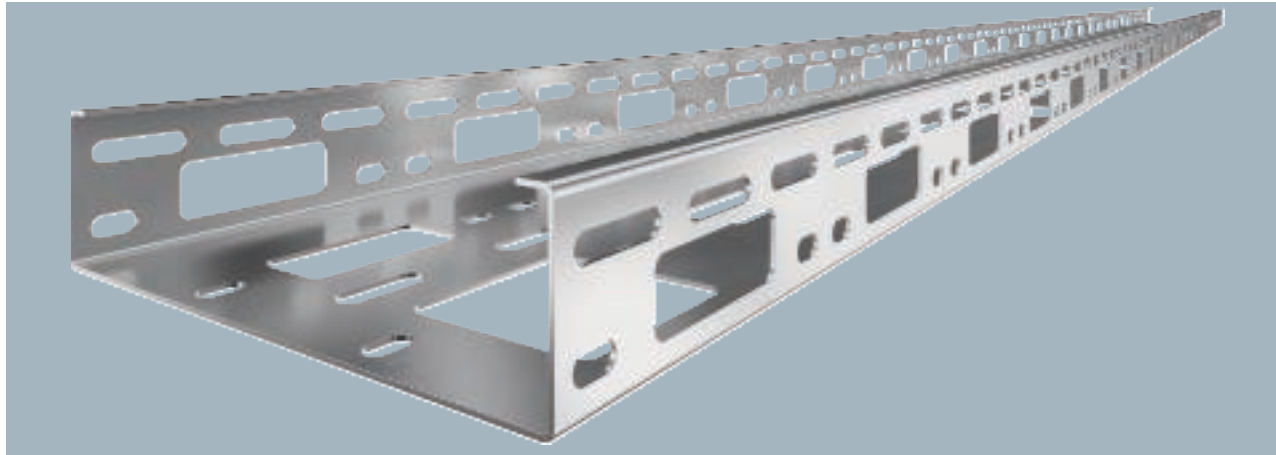
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 200 FS	2.5	1.9	1.3	0.8	0.3

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

AZ small duct 200

VA 2B

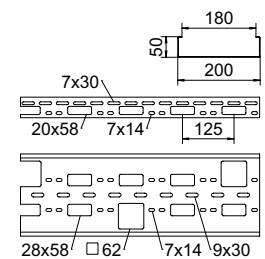


Type	Pack m	Weight kg/100 m	Item no.
AZK 200 A2	3	280.340	6075355

AZ channel with a side height of 50 mm.

Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 200 A2	3000	200	50	1.50

Dimensions

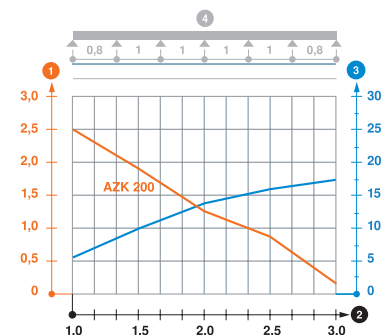


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 200 A2	2.5	1.9	1.3	0.8	0.3

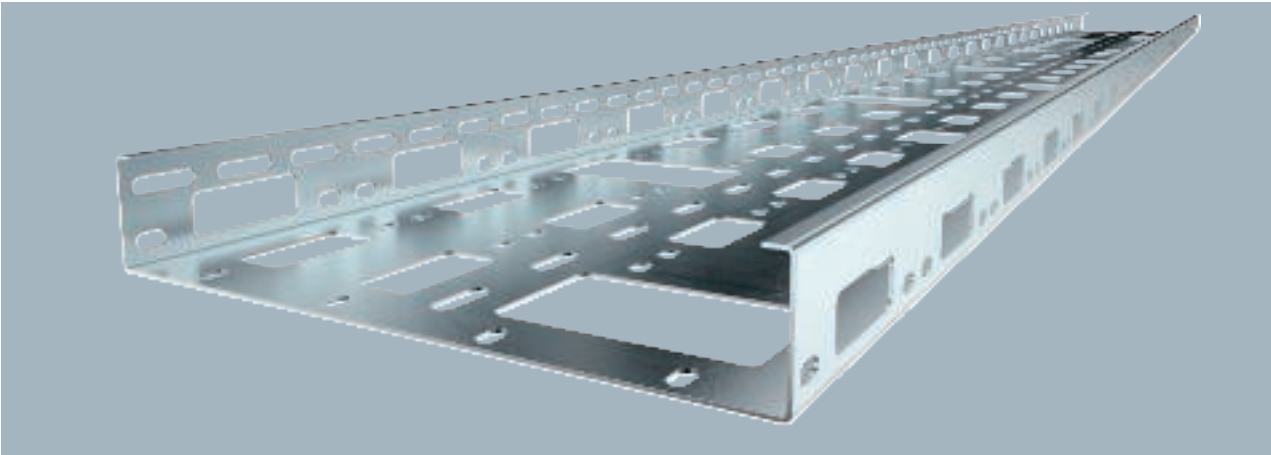
Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



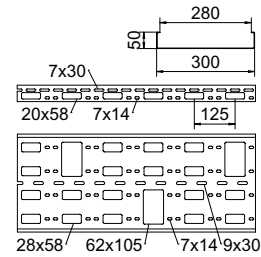
AZ small duct 300



AZ channel with a side height of 50 mm.

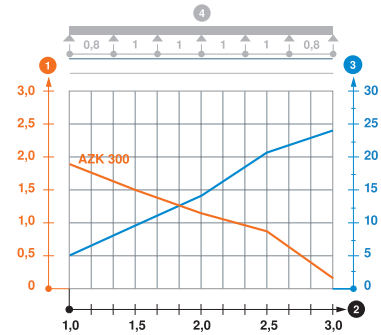
Type	Pack m	Weight kg/100 m	Item no.
AZK 300 FS	3	359.340	6075370
AZK 300 FT	3	381.000	6075375

Dimensions



Type	Length mm	Width mm	Side height mm	Metal thick- ness mm
AZK 300 FS	3000	300	50	1.50

Load



	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
AZK 300 FS	1.9	1.5	1.2	0.8	0.3

Load diagram, AZ small duct

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Luminaire support channel LTS

Luminaire support channel with special perforation in the base and side rail, for installing luminaires and running cables, with upwardly bevelled side rail for reinforcement and edge protection.

Width 50 mm

FS

FT

Width 100 mm

Luminaire support channels and trays

Installation principle

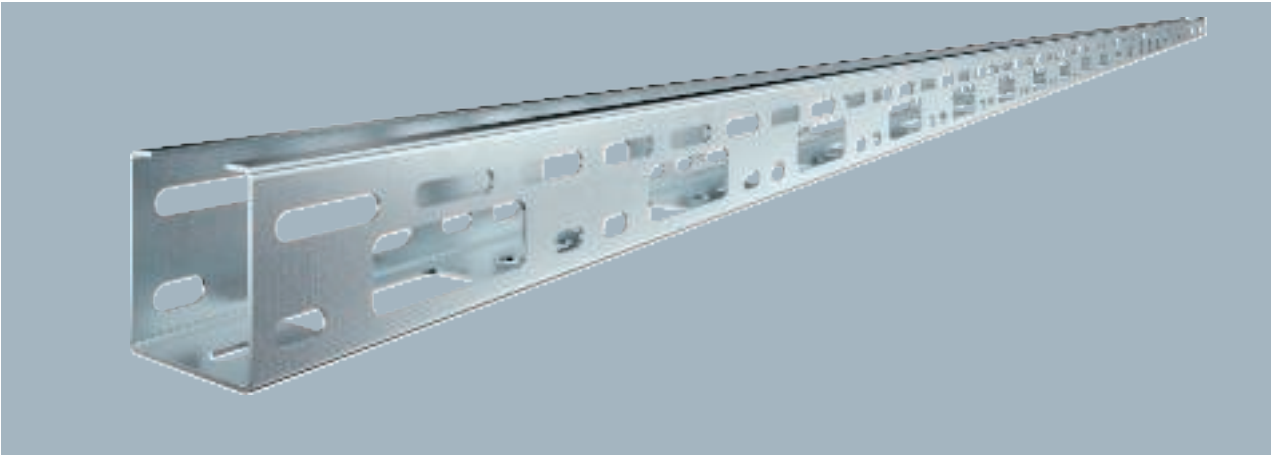


1	Luminaire support tray	LTR
2	Luminaire support channel	LTS
3	90° bend	
4	Cover with turn buckle	
5	Edge protection ring	KSR
6	Suspension bracket	AHB 50
7	Suspension chain	K-C30
8	Centre suspension	MAH
9	Threaded rod	TR
10	Trapezoidal fastening	TPB



Luminaire support channel 50

St FS

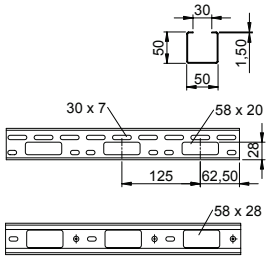


Type	Pack	Weight	Item no.
LTS 50 FS	6	135.700 kg/100 m	6075000

Perforated luminaire support channel for cable routing and luminaire mounting.

Type	Length mm	Width mm	Usable cross-section cm ²	Metal thickness mm
LTS 50 FS	6000	50	22	1.50

Dimensions

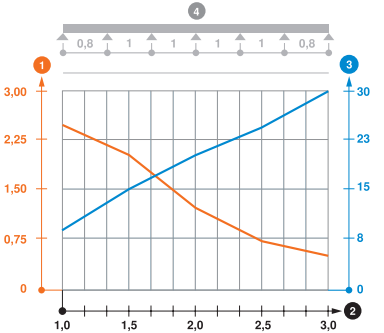


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
LTS 50 FS	2.5	2	1.2	0.85	0.5

Load diagram, luminaire support channel, type LTS

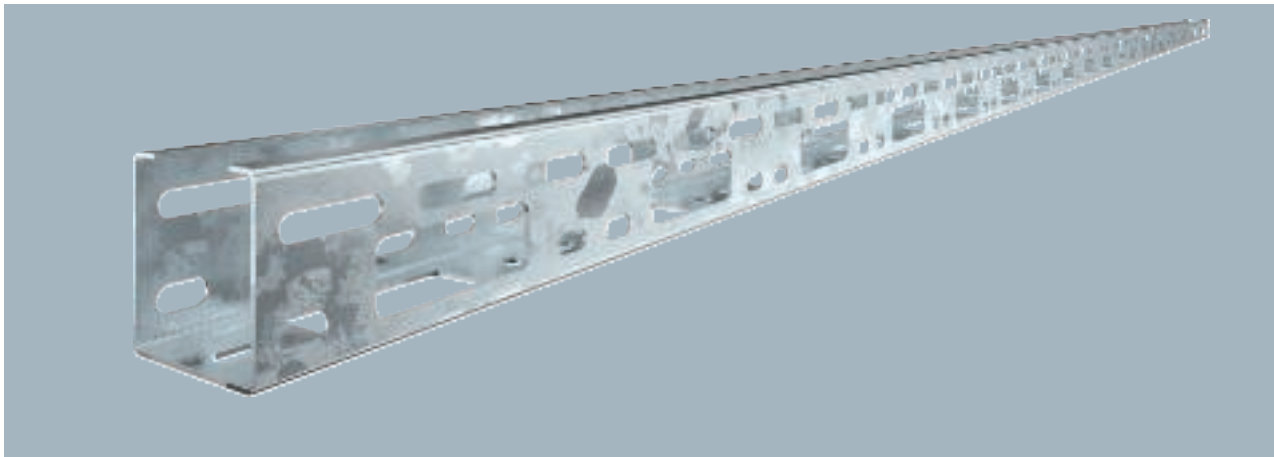
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



St FT

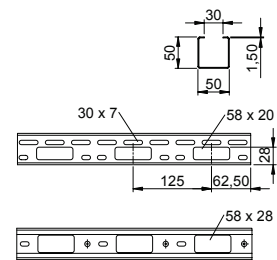
Luminaire support channel 50



Perforated luminaire support channel for cable routing and luminaire mounting.

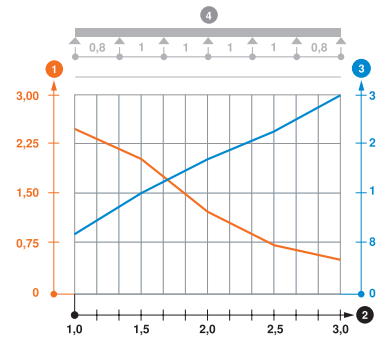
Type	Pack m	Weight kg/100 m	Item no.
LTS 50 FT	6	149.500	6075005

Dimensions



Type	Length mm	Width mm	Usable cross- section cm ²	Metal thick- ness mm
LTS 50 FT	6000	50	22	1.50

Load



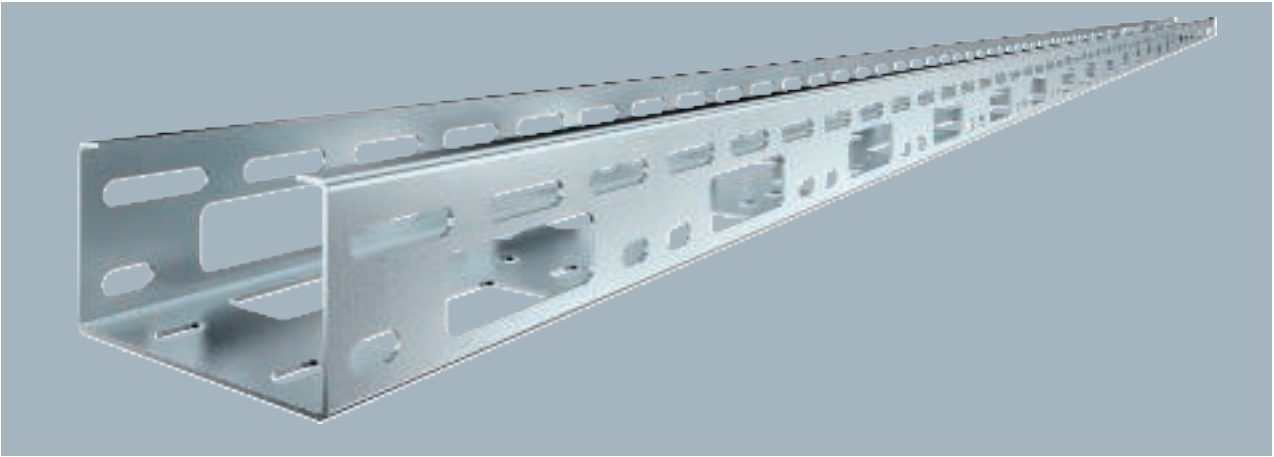
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
LTS 50 FT	2.5	2	1.2	0.85	0.5

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

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Luminaire support channel 100

St FS

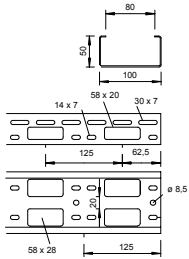


Type	Pack	Weight	Item no.
LTS 100 FS	6	177.000	6075024

Perforated luminaire support channel for cable routing and luminaire mounting.

Type	Length mm	Width mm	Usable cross- section cm ²	Metal thick- ness mm
LTS 100 FS	6000	100	46	1.50

Dimensions

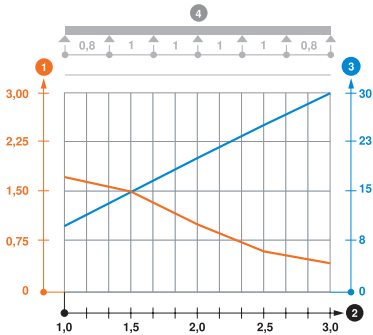


	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
LTS 100 FS	1.7	1.5	1	0.6	0.4

Load diagram, luminaire support channel, type LTS

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load





Luminaire support tray LTR

Luminaire support tray with special perforation in the base, unperforated side rail, connector perforation in side rail. For mounting luminaires and running cables, with upwardly bevelled side rail for reinforcement and edge protection.

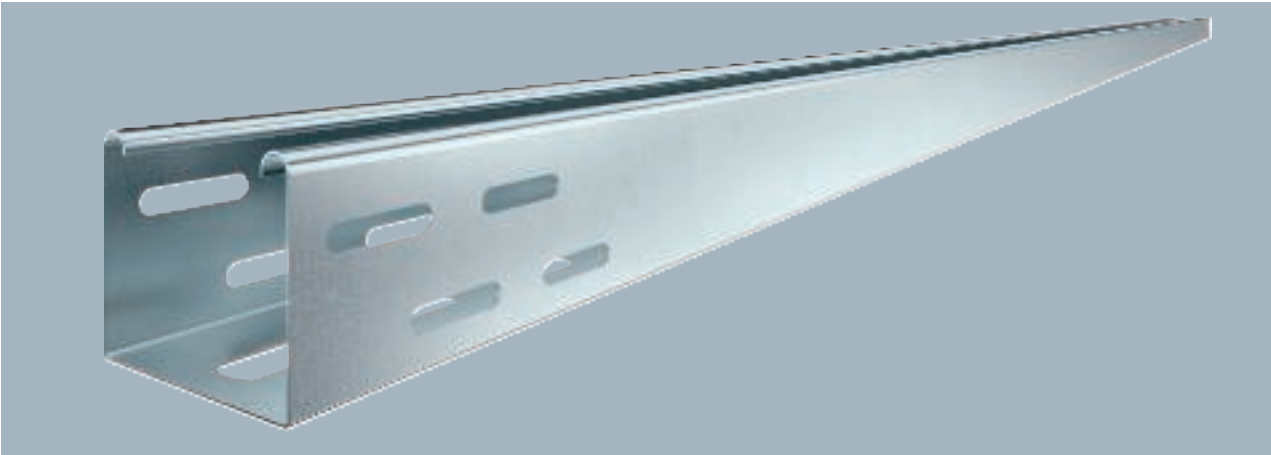
Side height 60 mm

FS

Width 75 mm



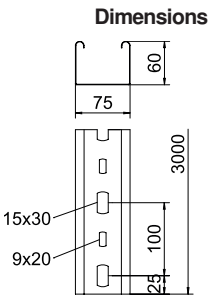
Luminaire support tray



Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
LTR 3000 FS	75	0.75	3	125.700	6055810
LTR 6000 FS	75	0.75	6	126.020	6055812

The white version is a visible surface coating.
Luminaire support tray with perforated base for fastening luminaires and cable penetration.

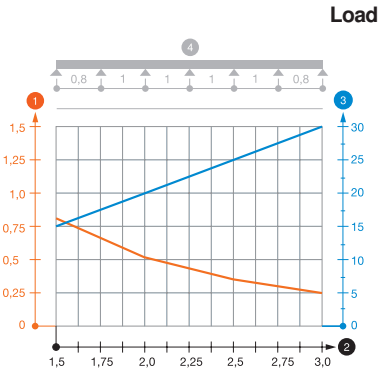
Type	Length mm	Width mm	Usable cross- section cm ²	Metal thick- ness mm
LTR 3000 FS	3000	75	42	0.75
LTR 6000 FS	6000	75	42	0.75



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
LTR 3000 FS	0.8	0.55	0.35	0.25
LTR 6000 FS	0.8	0.55	0.35	0.25

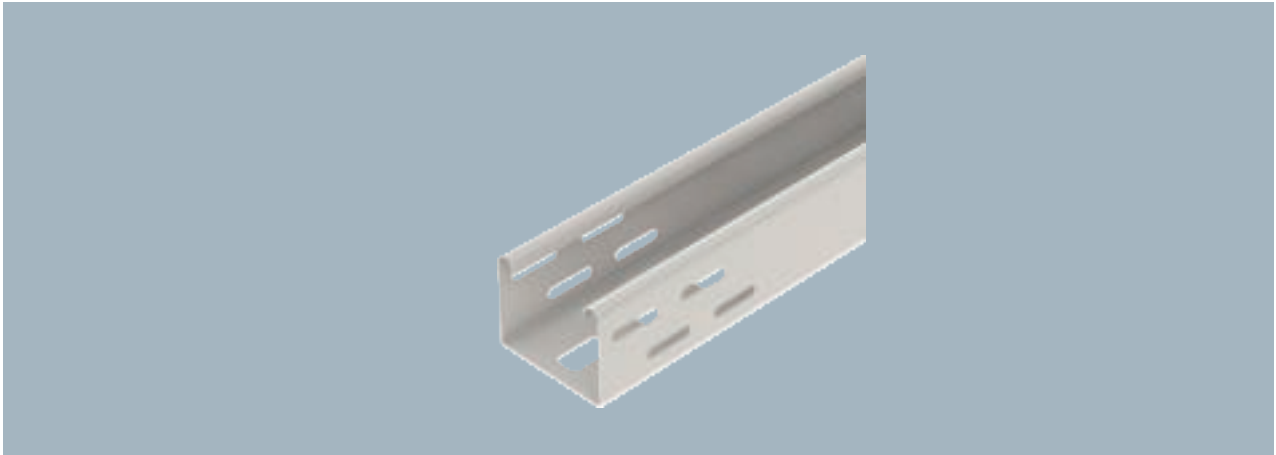
Load diagram, luminaire support tray, type LTR

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



St

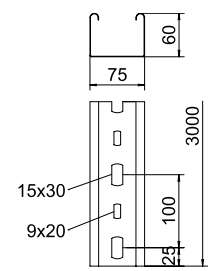
Luminaire support tray, pure white



The luminaire support tray's surface is strip-galvanised and is also powder-coated in white (RAL 9010).
Luminaire support tray with perforated base for fastening luminaires and cable penetration.

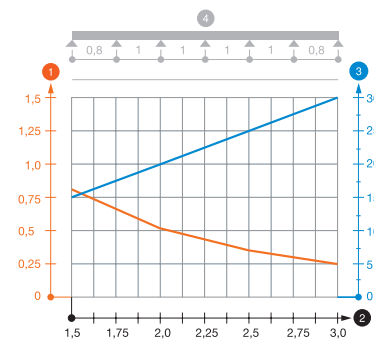
Type	Width mm	Metal thick- ness mm	Colour	Pack m	Weight kg/100 m	Item no.
LTR 3000 FSK RW	75	0.75	Pure white	6	129.540	6055820
LTR 6000 FSK RW	75	0.75	Pure white	6	129.500	6055821

Dimensions



Type	Length mm	Width mm	Usable cross- section cm²
LTR 3000 FSK RW	3000	75	42
LTR 6000 FSK RW	6000	75	42

Load



	1.5 m	2.0 m	2.5 m	3.0 m
	kN/m	kN/m	kN/m	kN/m
LTR 3000 FSK RW	0.8	0.55	0.35	0.25
LTR 6000 FSK RW	0.8	0.55	0.35	0.25

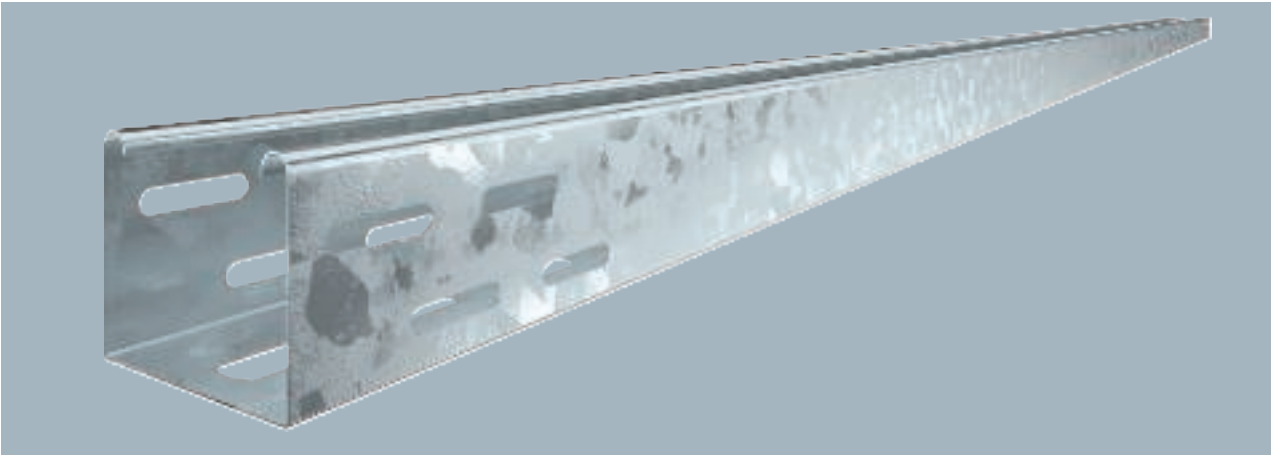
Load diagram, luminaire support tray, type LTR

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Luminaire support tray

Luminaire support tray

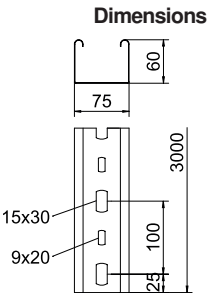
St FT



Type	Width mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
LTR 3000 FT	75	0.75	3	142.370	6055817

The white version is a visible surface coating.
Luminaire support tray with perforated base for fastening lumi-
naires and cable penetration.

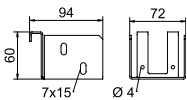
Type	Length mm	Width mm	Usable cross- section cm ²
LTR 3000 FT	3000	75	42



Fittings

Mounting/branch piece

St FS

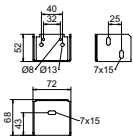


Type	Dimen- sion mm	Pack Piece	Weight kg/100 pc.	Item no.
RAA 607.5 LTR FS	60x75	10	24.200	6050354

Single-part version.
Add-on tee for horizontal use on luminaire trays of 60 mm side height.

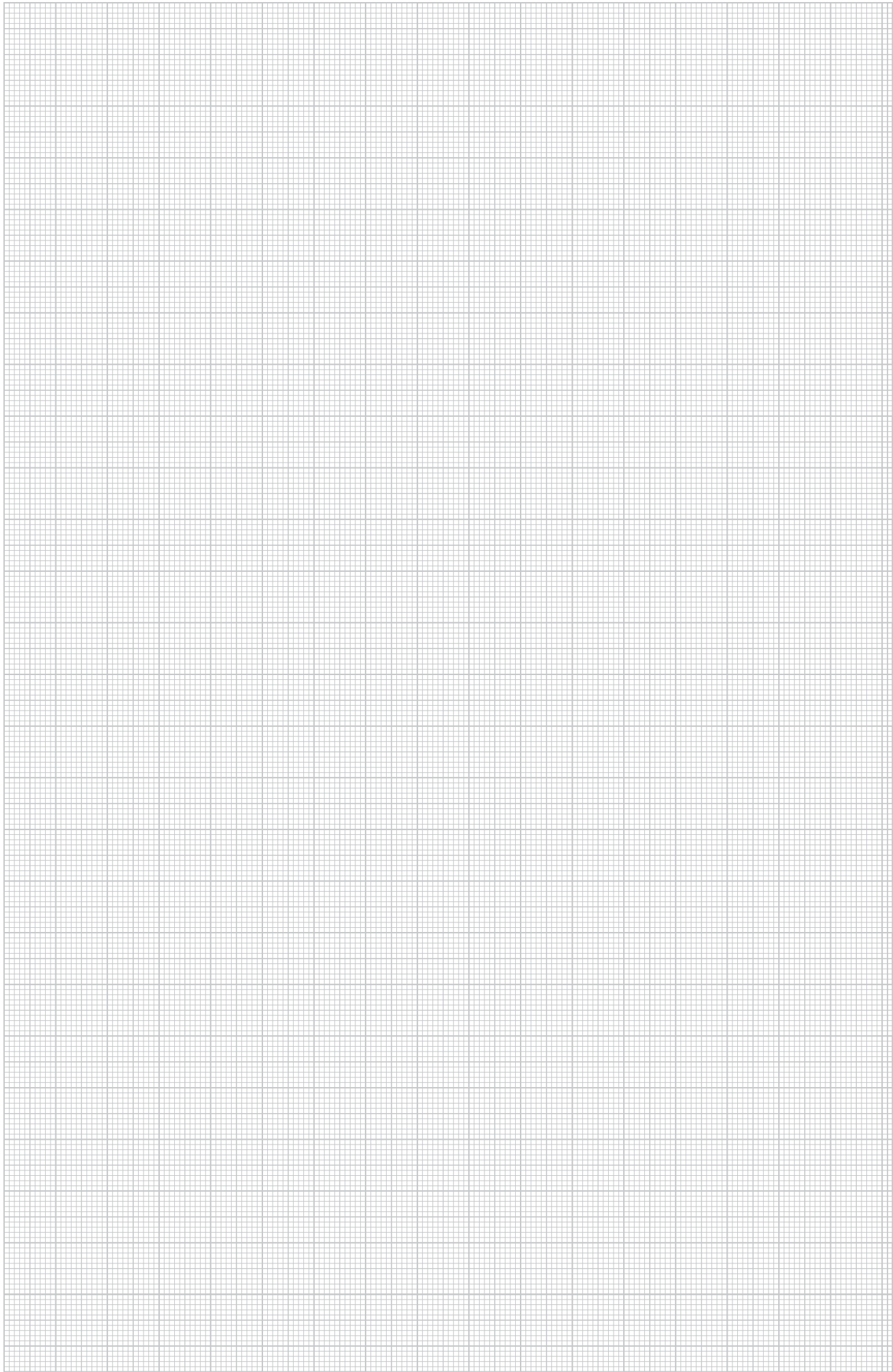
WL wall bearing for luminaire support tray

St FS



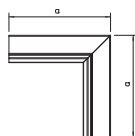
Type	Pack Piece	Weight kg/100 pc.	Item no.
WL 607.5 LTR FS	10	21.000	6050345

Wall bearing for mounting of luminaire support trays on the wall.



Internal corner, for cable trunking type LKM 40040

St FS FSK

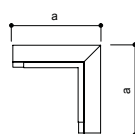


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I40040FS	—	160	1	28.000	6247652
LKM I40040RW	Pure white	160	1	28.000	6249167

Internal corner for changing the direction of the LKM ducts.

Internal corner, for cable trunking type LKM 40060

St FS FSK

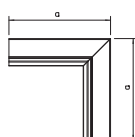


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I40060FS	—	160	1	31.400	6247660
LKM I40060RW	Pure white	160	1	31.400	6249175

Internal corner for changing the direction of LKM ducts.

Internal corner, for cable trunking type LKM 60060

St FS FSK

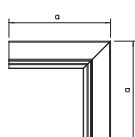


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I60060FS	—	160	1	31.900	6248128
LKM I60060RW	Pure white	160	1	31.900	6249612

Internal corner for changing the direction of the LKM trunking.

Internal corner, for cable duct type LKM 60100

St FS FSK

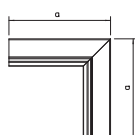


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I60100FS	—	160	1	39.400	6248144
LKM I60100RW	Pure white	160	1	39.400	6249639

Internal corner for changing the direction of the LKM trunking.

Internal corner, for cable trunking type LKM 60150

St FS FSK



Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I60150FS	—	160	1	48.400	6248152
LKM I60150RW	Pure white	160	1	48.400	6249647

Internal corner for changing the direction of the LKM trunking.

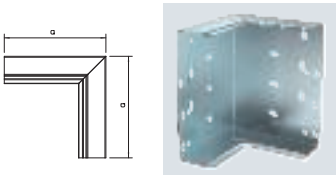


St FS FSK

Internal corner, for cable trunking type LKM 60200

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I60200FS	—	160	1	57.500	6248160
LKM I60200RW	Pure white	160	1	57.500	6249655

Internal corner for changing the direction of the LKM trunking.

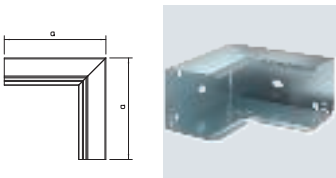


St FS FSK

Internal corner, for cable trunking type LKM 80080

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM I80080FS	—	160	1	38.700	6248336
LKM I80080RW	Pure white	160	1	38.700	6248436

Internal corner for changing the direction of LKM trunking.



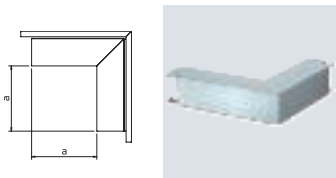
External corner, LHM cable routing duct

St FS FSK

External corner, for cable trunking ducts type LKM 40040

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A40040FS	—	120	1	38.600	6247563
LKM A40040RW	Pure white	120	1	38.600	6249086

External corner including cover for changing the direction of the LKM trunking.

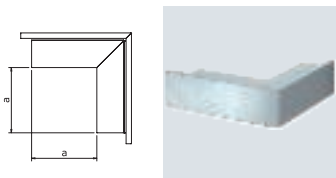


St FS FSK

External corner, for cable routing duct type LKM 40060

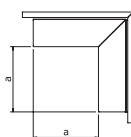
Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A40060FS	—	120	1	46.300	6247571
LKM A40060RW	Pure white	120	1	46.300	6249094

External corner including cover for changing the direction of the LKM ducts.



External corner, for cable trunking type LKM 60060

St FS FSK

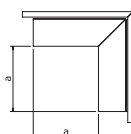


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A60060FS	—	120	1	55.800	6248047
LKM A60060RW	Pure white	120	1	55.800	6249558

External corner including cover for changing the direction of the LKM ducts.

External corner, for cable duct type LKM 60100

St FS FSK

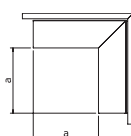


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A60100FS	—	120	1	73.100	6248063
LKM A60100RW	Pure white	120	1	73.100	6249574

External corner including cover for changing the direction of the LKM ducts.

External corner, for cable trunking type LKM 60150

St FS FSK

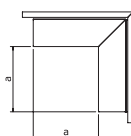


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A60150FS	—	120	1	91.300	6248071
LKM A60150RW	Pure white	120	1	91.300	6249582

External corner including cover for changing the direction of the LKM ducts.

External corner, for cable trunking type LKM 60200

St FS FSK

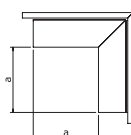


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A60200FS	—	120	1	114.000	6248098
LKM A60200RW	Pure white	120	1	114.000	6249590

External corner including cover for changing the direction of the LKM ducts.

External corner, for cable trunking type LKM 80080

St FS FSK



Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM A80080FS	—	120	1	75.300	6248332
LKM A80080RW	Pure white	120	1	75.300	6248432

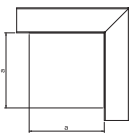
External corner including cover for changing the direction of the LKM ducts.

St FS FSK

Flat angle, for cable trunking type LKM 40040

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F40040FS	—	140	1	37.100	6247490
LKM F40040RW	Pure white	140	1	37.100	6248993

Flat angle including cover for changing the direction of the LKM ducts.

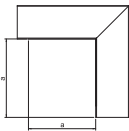


St FS FSK

Flat angle, for cable trunking type LKM 40060

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F40060FS	—	140	1	47.400	6247504
LKM F40060RW	Pure white	140	1	47.400	6249000

Flat angle including cover for changing the direction of the LKM ducts.

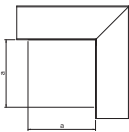


St FS FSK

Flat angle, for cable trunking type LKM 60060

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F60060FS	—	140	1	54.700	6247989
LKM F60060RW	Pure white	140	1	54.700	6249485

Flat angle including cover for changing the direction of the LKM ducts.

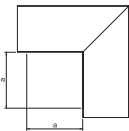


St FS FSK

Flat angle, for cable duct type LKM 60100

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F60100FS	—	140	1	63.400	6248004
LKM F60100RW	Pure white	140	1	63.400	6249507

Flat angle including cover for changing the direction of the LKM ducts.

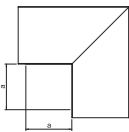


St FS FSK

Flat angle, for cable trunking type LKM 60150

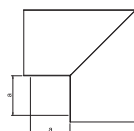
Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F60150FS	—	140	1	113.500	6248012
LKM F60150RW	Pure white	140	1	113.500	6249515

Flat angle including cover for changing the direction of the LKM ducts.



Flat angle, for cable trunking type LKM 60200

St FS FSK

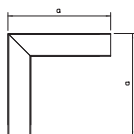


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F60200FS	—	140	1	154.400	6248020
LKM F60200RW	Pure white	140	1	154.400	6249523

Flat angle including cover for changing the direction of the LKM ducts.

Flat angle, for cable trunking type LKM 80080

St FS FSK



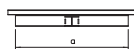
Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM F80080FS	—	140	1	80.000	6248328
LKM F80080RW	Pure white	140	1	80.000	6248428

Flat angle including cover for changing the direction of the LKM ducts.

T pieces, LKM cable routing duct

T piece, for cable trunking type LKM 40040

St FS FSK

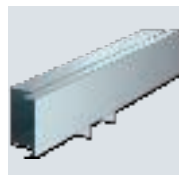


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T40040FS	—	300	1	39.700	6247725
LKM T40040RW	Pure white	300	1	39.700	6249256

T piece including cover for changing the direction of the LKM ducts.

T piece, for cable trunking type LKM 40060

St FS FSK

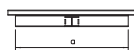


Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T40060FS	—	300	1	46.800	6247733
LKM T40060RW	Pure white	300	1	46.800	6249264

T piece including cover for changing the direction of the LKM ducts.

T piece, for cable routing duct type LKM 60060

St FS FSK



Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T60060FS	—	300	1	54.200	6248187
LKM T60060RW	Pure white	300	1	54.200	6249671

T piece including cover for changing the direction of the LKM trunking.

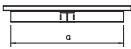


St FS FSK

T piece for cable routing duct type LKM 60100

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T60100FS	—	300	1	69.200	6248209
LKM T60100RW	Pure white	300	1	69.200	6249701

T piece including cover for changing the direction of the LKM ducts.

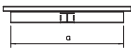


St FS FSK

T piece, for cable trunking type LKM 60150

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T60150FS	—	300	1	87.600	6248217
LKM T60150RW	Pure white	300	1	87.600	6249728

T piece including cover for changing the direction of the LKM ducts.

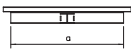


St FS FSK

T piece, for cable trunking type LKM 60200

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T60200FS	—	300	1	106.000	6248225
LKM T60200RW	Pure white	300	1	106.000	6249736

T piece including cover for changing the direction of the LKM trunking.

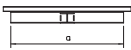


St FS FSK

T piece, for cable trunking type LKM 80080

Type	Colour	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM T80080FS	—	300	1	67.200	6248340
LKM T80080RW	Pure white	300	1	67.200	6248450

T piece including cover for changing the direction of the LKM ducts.



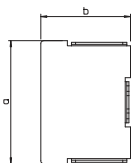
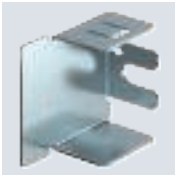
End pieces, LKM cable routing duct

St FS FSK

End piece, for cable trunking type LKM 40040

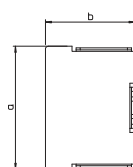
Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E40040FS	—	40	44	10	2.500	6247881
LKM E40040RW	Pure white	40	44	10	2.500	6249418

End piece for closing the LKM ducts.



End piece, for cable trunking type LKM 40060

St FS FSK

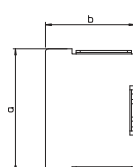


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E40060FS	—	60	44	10	3.000	6247903
LKM E40060RW	Pure white	60	44	10	3.000	6249426

End piece for closing the LKM ducts.

End piece, for cable trunking type LKM 60060

St FS FSK

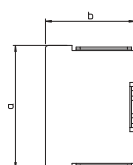


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E60060FS	—	60	64	10	4.500	6248284
LKM E60060RW	Pure white	60	64	10	4.500	6249795

End piece for closing the LKM ducts.

End piece, for cable duct type LKM 60100

St FS FSK

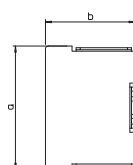


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E60100FS	—	100	64	10	6.200	6248306
LKM E60100RW	Pure white	100	64	10	6.500	6249817

End piece for closing the LKM ducts.

End piece, for cable trunking type LKM 60150

St FS FSK

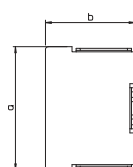


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E60150FS	—	150	64	10	8.400	6248314
LKM E60150RW	Pure white	150	64	10	9.000	6249825

End piece for closing the LKM ducts.

End piece, for cable trunking type LKM 60200

St FS FSK



Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E60200FS	—	200	64	10	10.800	6248322
LKM E60200RW	Pure white	200	64	10	11.500	6249833

End piece for closing the LKM ducts.

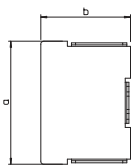
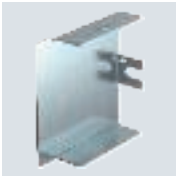


St FS FSK

End piece, for cable trunking type LKM 80080

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
LKM E80080FS	—	80	80	1	7.000	6248344
LKM E80080RW	Pure white	80	80	1	7.000	6248454

End piece for closing the LKM ducts.



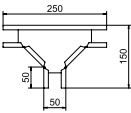
T piece, LTS luminaire support rail

St DD

LTS T T-piece

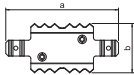
Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LTS T DD	50	50	1	47.800	6074912

Horizontal tee, for AZ small duct AZK 050 and luminaire support channel LTS 50.



Joint connector LKM SV20

VA 2B

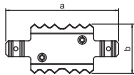


Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm			
LKM SV20	45	20	10	0.190	6247431

Joint connector to connect the bases. This creates the equipotential bonding between the trunking bases.

Joint connector LKM SV30

VA 2B

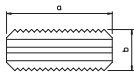


Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm			
LKM SV30	54	30	10	0.400	6247434

Joint connector to connect the bases. This creates the equipotential bonding between the duct bases.

Joint connector LKM SV40

VA 2B

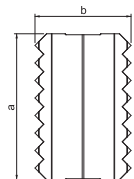


Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm			
LKM SV40	76	30	10	1.000	6247458

Joint connector to connect the bases. This creates the equipotential bonding between the duct bases.

Joint connector LKM SV60

VA 2B

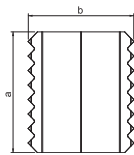


Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm			
LKM SV60	75	49	10	1.600	6247466

Joint connector to connect the bases. This creates the equipotential bonding between the duct bases.

Joint connector LKM SV80

VA 2B



Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm			
LKM SV80	75	66	10	1.300	6247472

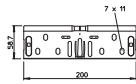
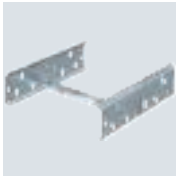
Joint connector to connect the bases. This creates the equipotential bonding between the duct bases.



St FS DD

Straight connector set 60

Type	Side height mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
RV 607 FS	60	75	10	18.800	6068150
RV 607 DD	60	75	1	18.800	6068152



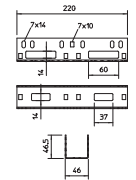
Quick connector set for straight, screwless connections of cable trays and fittings with a side height of 60 mm.
The continuous earthing connection is guaranteed without a screw connection.

AZ straight connector

St FS DD

Straight connector 50

Type	Pack Piece	Weight kg/100 pc.	Item no.
VF AZK 50 FS	25	27.100	6066615
VF AZK 50 DD	25	27.100	6066623

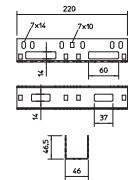


Straight connector for connection of luminaire support channels and AZ channels.
An adjustable connector can be created using two straight and angle connectors.

VA 2B

Straight connector 50

Type	Pack Piece	Weight kg/100 pc.	Item no.
VF AZK 50 A2	25	27.400	6066629

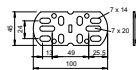


Straight connector for connection of luminaire support channels and AZ channels.
An adjustable connector can be created using two straight and angle connectors.

St FT

Straight and angle connector 50

Type	Pack Piece	Weight kg/100 pc.	Item no.
VF AZK FT	25	7.656	6066550

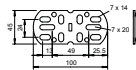


Straight and angle connector for connection of AZ channels.
An adjustable connector can be created using two straight and angle connectors. Scope of delivery including bolts with combination nuts.

VA VA 2B

Straight and angle connector 50

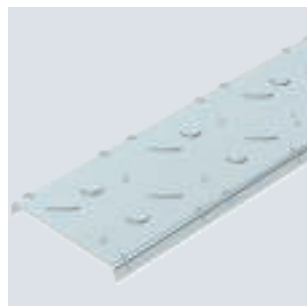
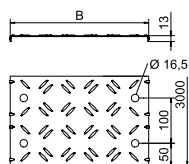
Type	Pack Piece	Weight kg/100 pc.	Item no.
VF AZK A2	10	7.746	6066569
VF AZK A4	10	7.746	6066571



Straight and angle connector for connection of AZ channels.
An adjustable connector can be created using two straight and angle connectors. Scope of delivery includes bolts and nuts.

Chequer plate cover DBKR

St FS



Type	Dim. B mm	Dim. b mm	Dim. L mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
DBKR 100 FS	100	50	3000	3.30	3	195.070	6049119
DBKR 200 FS	200	50	3000	3.30	3	352.067	6049121
DBKR 300 FS	300	50	3000	3.30	3	509.070	6049123
DBKR 400 FS	400	50	3000	3.30	3	666.070	6049125
DBKR 500 FS	500	50	3000	3.30	3	823.070	6049127
DBKR 600 FS	600	50	3000	3.30	3	980.070	6049129

Chequer plate cover for the walkable cable tray system, type BKR.

The cover thickness is comprised of 2.0 mm of strip-galvanised sheet steel and a 1.3 mm chequer height.

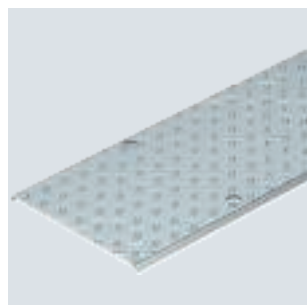
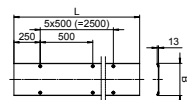
Pre-marked break-out openings at a spacing of 100 mm allow retroinstallation of a turn buckle.

When the cover is used under wind, draught or pressure impacts, additional security measures are required.

The covers are tested according to DIN51130 and possess anti-slip class R11 and displacement space class V10.

Cover fastenings are not part of the scope of delivery and can be ordered separately.

Cover with chequer plate and turn buckle

Alu/
St

Type	Dim. B mm	Dim. L mm	Metal thick- ness mm	Pack m	Weight kg/100 m	Item no.
DF BKR10 FS AL	100	3000	6.00	3	272.330	6049181
DF BKR20 FS AL	200	3000	6.00	3	503.670	6049183
DF BKR30 FS AL	300	3000	6.00	3	735.000	6049185
DF BKR40 FS AL	400	3000	6.00	3	966.670	6049187
DF BKR50 FS AL	500	3000	6.00	3	1,197.670	6049189
DF BKR60 FS AL	600	3000	6.00	3	1,429.000	6049191

Cable tray cover for the walkable BKRS cable tray system. The basic cover is strip galvanised in a material thickness of 2 mm with additional aluminium chequer riveted on in a thickness of 4 mm, sturdy and non-slip. Turn buckle fastening with a turn buckle distance of 500 mm.

The covers are tested according to DIN 51130 and possess anti-slip class R10 and displacement space class V8.

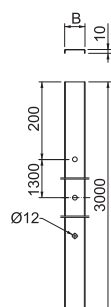
The turn buckles for cover mounting are pre-installed.

When the cover is used under wind, draught or pressure impacts, additional security measures are required.

Lid, AZ small duct

Cover for centre suspension threaded rod

St FS



Type	Width mm	Dim. B mm	Dim. H mm	Length mm	Pack m	Weight kg/100 m	Item no.
AZDG 50 FS	53	53	10	3000	3	55.000	6080960
AZDG 100 FS	103	103	10	3000	3	93.230	6080979

Perforated cover, for threaded rod mounting, for AZ small duct.

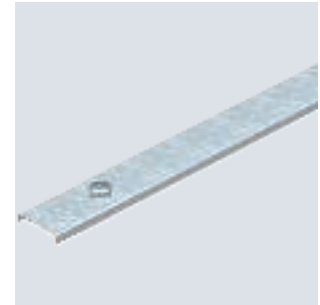
To fasten the cover, the cover clamp DKU is required.

St **FS**

Type	Width mm	Length mm	Pack m	Weight kg/100 m	Item no.
AZDMD 50 FS	53	3000	3	55.000	6080138
AZDMD 100 FS	103	3000	3	97.767	6080227
AZDMD 150 FS	153	3000	3	137.040	6080860
AZDMD 200 FS	203	3000	3	172.330	6080885
AZDMD 300 FS	303	3000	3	254.770	6080910

Cover with turn buckle for AZ small duct.

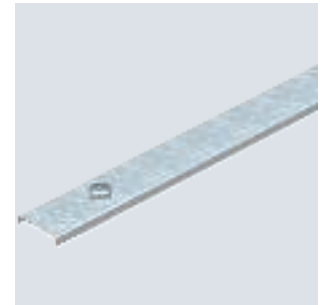
Cover with turn buckle

**St** **FT** **DD**

Type	Width mm	Length mm	Pack m	Weight kg/100 m	Item no.
AZDMD 50 DD	53	3000	3	58.340	6080154
AZDMD 100 DD	103	3000	3	101.700	6080235
AZDMD 150 FT	153	3000	3	153.070	6080865
AZDMD 200 FT	203	3000	3	197.000	6080890
AZDMD 300 FT	303	3000	3	284.867	6080915

Cover with turn buckle for AZ small duct.

Cover with turn buckle

**VA** **2B**

Type	Width mm	Length mm	Pack m	Weight kg/100 m	Item no.
AZDMD 50 A2	53	3000	3	57.200	6080197
AZDMD 100 A2	103	3000	3	99.933	6080294
AZDMD 150 A2	153	3000	3	139.200	6080870
AZDMD 200 A2	203	3000	3	178.470	6080895

Cover with turn buckle for AZ small duct.

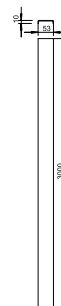
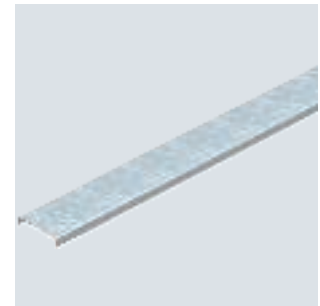
Cover with turn buckle

**St** **DD**

Type	Width mm	Length mm	Pack m	Weight kg/100 m	Item no.
AZDU 50 DD	53	3000	3	54.200	6080158
AZDU 100 DD	103	3000	3	93.433	6080239

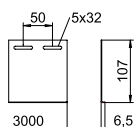
Cover without turn buckles for AZ small duct.

Cover



Protective panel 108

St FS

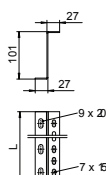


Type	Length mm	Height mm	Thickness mm	Pack m	Weight kg/100 m	Item no.
SB BKS FS	3000	108	1	3	91.670	6049252

Protective panel, to be attached at the side as a collision guard for the walkable BKRS cable tray system. The side height is 108 mm.

Support profile 100

St FS

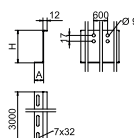


Type	Dim. L mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
STP Z 1010 FS	100	2.00	1	22.500	6044581
STP Z 1020 FS	200	2.00	1	44.800	6044583
STP Z 1030 FS	300	2.00	1	67.200	6044585
STP Z 1040 FS	400	2.00	1	89.500	6044587
STP Z 1050 FS	500	2.00	1	111.800	6044589
STP Z 1060 FS	600	2.00	1	134.200	6044591
STP Z 10300 FS	3000	2.00	3	223.400	6044596

Support profile for holding up the walkable cable tray system BKRS from the floor. Installation must be performed on both sides of the Z profile during the process of securing the system so that it is held up.

Barrier strip, Z-shaped 100

St FS



Type	Dim. H mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
TSG100Z BKRS FS	100	2.00	3000	3	187.667	6062390

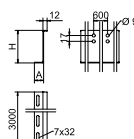
Barrier strip for the BKRS walkable cable tray system. Fastening with truss-head bolts M6 x 12 in the base perforation.

For widths of 200 mm or more, a barrier strip with a maximum compartment size of 220 mm should be used.

For widths of 500 mm or more, two barrier strips with a maximum compartment size of 220 mm should be used.

Barrier strip, Z-shaped 110

St FS



Type	Dim. H mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
TSG110Z BKRS FS	110	2.00	3000	3	211.500	6062391

Barrier strip for the BKRS walkable cable tray system. Fastening with truss-head bolts M6 x 12 in the base perforation.

For widths of 200 mm or more, a barrier strip with a maximum compartment size of 220 mm should be used.

For widths of 500 mm or more, two barrier strips with a maximum compartment size of 220 mm should be used.

Anti-slip strip

GUM



Type	Pack m	Weight kg/100 m	Item no.
ARS BKR	11	10.070	6049259

Self-adhesive, anti-slip strip to stick onto the Z-shaped barrier in walkable cable trays, for securing laid-on but not yet attached covers.

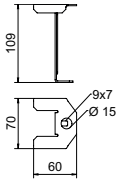


St FS

Cover support 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
DST110 BKRS FS	110	10	11.200	6049256

Cover support for the walkable BKRS cable tray system, for additional support of covers at a side height of 110 mm.

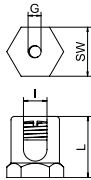


CuZn 37

Earthing terminal with fastening thread

Type	Dim. L mm	Dim. I mm	Cross-section mm²	Thread	Pack Piece	Weight kg/100 pc.	Item no.
EKL 25 M6	22	8	50	M6	50	3.100	6404006
EKL 35 M6	26	10	70	M6	50	4.800	6404014

Earthing terminal for fastening the equipotential bonding wire to the cable support system. Suitable for conductor cross sections of 4–50 mm².

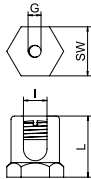


CuZn 37

Earthing terminal with fastening thread

Type	Dim. L mm	Dim. I mm	Cross-section mm²	Thread	Pack Piece	Weight kg/100 pc.	Item no.
EKL 25 M8	26	10	50	M8	50	3.970	6404001

Earthing terminal for fastening the equipotential bonding wire to the cable support system. Suitable for conductor cross sections of 4–50 mm².

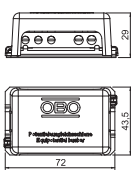


CuZn 37

Equipotential busbar for small systems

Type	Pack Piece	Weight kg/100 pc.	Item no.
1809 BG	1	9.000	5015502

- Cover made of polystyrene, grey
 - Sealable/labelable
 - Base plate made of strip galvanised steel
 - Contact strip and screws made of nickel-plated brass
- Connection options:
- 3 x multi-core cables to 6 mm²
 - 2 x multi-core cables to 16 mm²

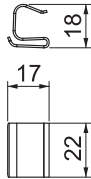


St G

Cover clamp

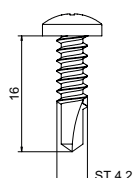
Type	Pack Piece	Weight kg/100 pc.	Item no.
DK DBKR G	30	0.794	6049280

Cover clamp for rapid fastening of the chequer plate cover, type DBKR, on cable trays. We recommend using at least 6 cover clamps for 3 metres of chequer plate cover.



Drilling screw

St G



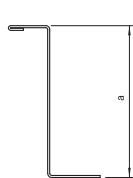
Type	Dimension mm	Pack Piece	Weight kg/100 pc.	Item no.
BS BKS KP	4,2x16	100	0.180	6049250

Drilling screw to fasten components to the stand-offs of the walkable cable tray system. Corresponds to DIN 7504.

Accessories, LKM cable routing duct

Partition LKM/TWS55

St FS

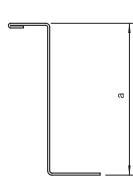


Type	Length mm	Dim. mm	Pack m	Weight kg/100 m	Item no.
LKM TWS55	2000	55	2	53.000	6249876

Partition to divide the LKM cable routing trunking, 60 mm duct height, for different voltage levels.

Partition LKM/TWS45

St FS

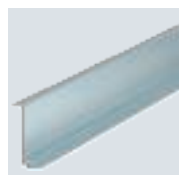
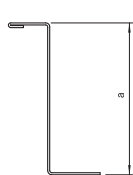


Type	Length mm	Dim. mm	Pack m	Weight kg/100 m	Item no.
LKM TWS45	2000	45	2	47.900	6249871

Partition to divide the trunking for different voltage levels.

Partition LKM/TWS75

St FS

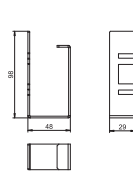


Type	Length mm	Dim. mm	Pack m	Weight kg/100 m	Item no.
LKM TWS75	2000	75	2	114.000	6249880

Partition to divide the LKM cable routing duct, 80 mm duct height, for different voltage levels.

Duct clamp, LKM, for maintenance of electrical function E30 - E90

St FS



Type	Pack Piece	Weight kg/100 pc.	Item no.
LKM KF 60100	10	9.800	6249881

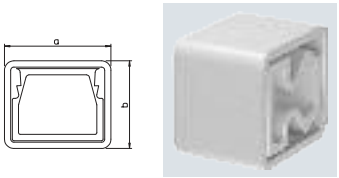
Duct clamp for the metal cable routing duct type LKM 60100FS, prevents the cables falling out during installation. The duct clamp is essential if the duct is used in cable systems with integrated maintenance of electrical function to DIN 4102, Part 12. Easy mounting through insertion into the loop perforation in the side wall.

PVC

Edge protection ring KSR 20020, for LKM cable trunking type 20020

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR20020	Grey	24	28	5	0.900	6249842

Edge protection ring for the open ends of LKM cable trunking.

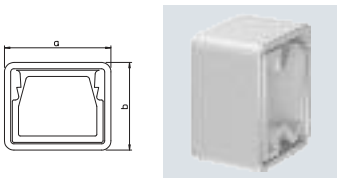


PVC

Edge protection ring KSR 20030, for LKM cable trunking type 20030

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR20030	Grey	34	28	5	1.100	6249844

Edge protection ring for the open ends of LKM cable trunking.

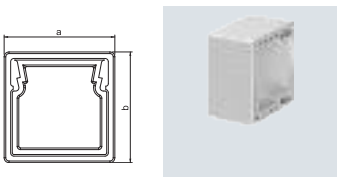


PVC

Edge protection ring KSR 30030, for LKM cable trunking 30030

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR30030	Grey	34	34	5	1.300	6249847

Edge protection ring for the open ends of LKM cable trunking.

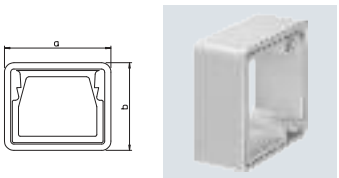


PVC

Edge protection ring KSR40040, for LKM cable trunking type 40040

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR40040	Grey	44	48	5	1.800	6249846

Edge protection ring for the open ends of LKM cable trunking.

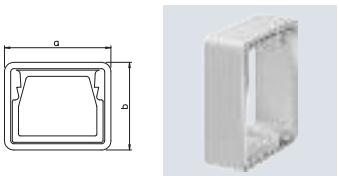


PVC

Edge protection ring KSR40060, for LKM cable trunking type 40060

Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR40060	Grey	64	48	5	2.300	6249848

Edge protection ring for the open ends of LKM cable trunking.

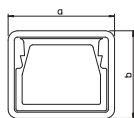


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Industrial ducts

Edge protection ring KSR60060, for LKM cable trunking type 60060

PVC

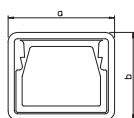


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR60060	Grey	64	68	5	2.400	6249850

Edge protection ring for the open ends of LKM cable duct.

Edge protection ring KSR60100, for LKM cable trunking type 60100

PVC

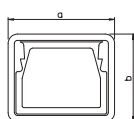


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR60100	Grey	104	68	5	3.400	6249852

Edge protection ring for the open ends of LKM cable trunking.

Edge protection ring KSR60150, for LKM cable trunking type 60150

PVC

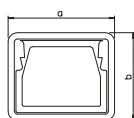


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR60150	Grey	154	68	5	4.400	6249854

Edge protection ring for the open ends of LKM cable trunking.

Edge protection ring KSR60200, for LKM cable trunking type 60200

PE

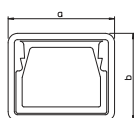


Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR60200	Grey	204	68	5	4.700	6249856

Edge protection ring for the open ends of LKM cable trunking.

Edge protection ring KSR80080, for LKM cable trunking 80080

PE



Type	Colour	Dim. mm	Dim. b mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR80080	Grey	84	84	5	3.800	6249865

Edge protection ring for the open ends of LKM cable trunking.

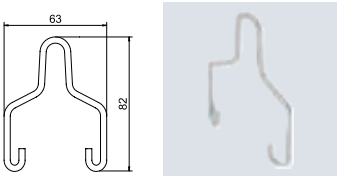


St F

Suspension bracket 50

Type	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AHB 50 D4 FT	0.35	50	1.985	6066505

Suspension bracket for chain or steel wire tensioning rope fastening of the luminaire support rail, type LTS 50, and the AZ small duct, type AZK 50.

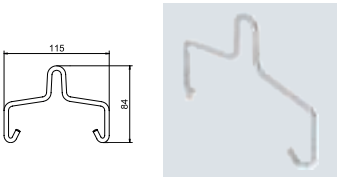


St F

Suspension bracket 100

Type	F in kN kN	Pack Piece	Weight kg/100 pc.	Item no.
AHB 100 D5 FT	0.6	50	4.060	6066510

Suspension bracket for chain or steel wire tensioning rope fastening of the luminaire support rail, type LTS 100, and the AZ small duct, type AZK 100.

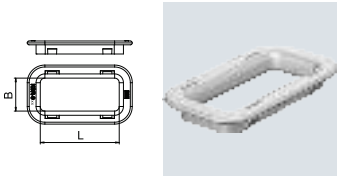


PE

915 cable protection ring

Type	Colour	for perforation mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR-915 PE	Light grey	28 x 58	25	0.520	6066704

Cable protection ring for bottom perforations in AZ small ducts and luminaire support channels.

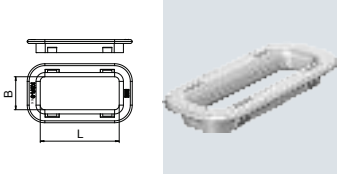


PE

DR 910 cable protection ring

Type	Colour	for perforation mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR-910 PE	Light grey	20 x 58	25	0.470	6066712

Cable protection ring for bottom perforation in cable trays of type IKS and for side perforation in AZ small ducts and luminaire support channel.

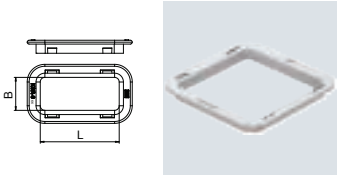


PE

Cable protection ring 920

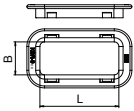
Type	Colour	for perforation mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR-920 PE	Light grey	62 x 62	25	0.669	6066696

Cable protection ring for bottom perforations in AZ small ducts and luminaire support channels.



Cable protection ring 925

PE



Type	Colour	for perforation mm	Pack Piece	Weight kg/100 pc.	Item no.
KSR-925 PE	Light grey	105x62	25	1.040	6066688

Cable protection ring for bottom perforations in AZ small ducts and luminaire support channels.

Turn buckle 50

VA 2B



Type	for width mm	Pack Piece	Weight kg/100 pc.	Item no.
AZDR 50 A2	50	10	2.800	6065309

Turn buckle for installation in the cover for AZ small duct of width 50 mm at a later date.

Turn buckle 100

VA 2B



Type	for width mm	Pack Piece	Weight kg/100 pc.	Item no.
AZDR 100 A2	100	10	2.600	6065317

Turn buckle for installation in the cover for AZ small duct and BKK system at a later date.





Anchors and fastening systems



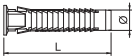
Anchors and fastening systems

	Metal anchor	522
	Injection anchors	532
	Accessories, anchors	534
	Bolts	538
	Washers and nuts	546
	Hook	552
	Cable tie	554
	Fastening strips	556



Multipurpose anchors

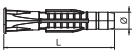
Universal anchor



Type	Item no.
910 FX 5x25	2347580
910 FX 6x30	2347582
910 FX 8x40	2347584
910 FX10x50	2347586
910 FX 12x60	2347588

Also suitable as a cavity anchor, with collars to prevent slipping. 3 tabs take up the torque.
Required minimum bolt length = anchor length + component thickness + 1 x bolt Ø.
Withdrawal force applies to wood screws of the largest bolt diameter in concrete of class B25.
Our safety value recommendation: 5x

All-purpose anchor

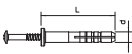


Type	Dowel Ø mm	Dim. L mm	Wood screws Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
910 AZK 5x31	5	31	34	100	0.036	2348120
910 AZK 6x38	6	38	4-5	100	0.063	2348122
910 AZK 8x51	8	51	5-6	100	0.106	2348124
910 AZK 10x61	10	61	7-8	50	0.260	2348126
910 AZK 12x71	12	71	8-10	25	0.370	2348128

Also suitable as a cavity anchor, with collar to prevent slipping. 3 tabs take up the torque.
Required minimum screw length = anchor length + component thickness + 1 x screw Ø.
Withdrawal force applies to wood screws of the largest bolt diameter in concrete of class B25.
Our safety value recommendation: 5x

Knock-in anchor

Knock-in anchor



Type	Dowel Ø mm	Length mm	Pull-out force N min/concrete	Pack Piece	Weight kg/100 pc.	Item no.
910 SD 5X35	5	35	220	100	0.360	2351021
910 SD 6X35	6	35	260	100	0.310	2351056
910 SD 6X40	6	40	260	100	0.555	2351064
910 SD 8X55	8	55	350	50	1.070	2351099

Knock-in anchor: steel, electrogalvanised and transparently passivated.

Insulation anchor

Insulation plug

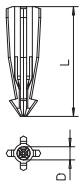


Thermo insulation anchor for universal lightweight fastening in plastered heat composite systems. The self-tapping point makes pre-drilling almost superfluous.



Gas concrete anchor

Type	Dim. D	Dim. L	Colour	Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm				
910 GD 6x35	6	35	Light grey	100	0.094	2347229
910 GD 8x50	8	50	Light grey	50	0.263	2347261



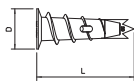
The anchor can be knocked directly into the porous concrete (gas concrete resistance class G2). With a resistance class of G4 or greater, a 5 or 6 mm hole should be pre-drilled.
Screw length: Component thickness + 40 mm (6 mm) / 55 mm (8 mm).

Plasterboard anchor



Plasterboard anchor

Type	Dim. D	Dim. L	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm				
910 GKDM 12x30	12	30	0.04	100	0.400	3483214

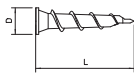


To fasten components to plasterboard or fibre composite plates.
Minimum plate thickness: 12 mm.
For Ø 4.5 Golden Sprint or Sprint screws.



Plasterboard anchor

Type	Dim. D	Dim. L	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm				
910 GKSM 6x25	7.5	26.4	0.04	100	0.160	3483239



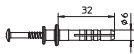
To fasten components to plasterboard or fibre composite plates.
Min. plate thickness: 5 mm.

Double-flange anchor



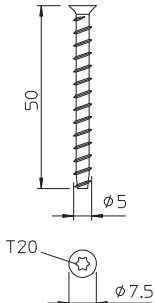
Double-flange anchor

Type	Dowel Ø	Length	Drill hole depth	Shipping box Piece	Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm	mm				
910 DF 6x35	6	35	40	1200	100	0.425	2347407



Knock-in anchor: steel, tempered, electrogalvanised and transparently passivated.

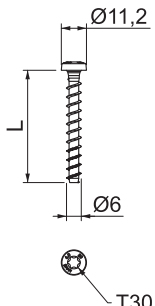
MMS-plus KS countersunk head tie, for cable clip



Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ KS 5x50	5x50	50	4	7.5	Torx	200	0.460	3498204

Bolt tie for direct mounting without additional anchors in concrete and masonry. With small countersunk head to fasten cable clips through the threaded foot.
Load-bearing capacities under fire loads proven up to fire resistance class R120.

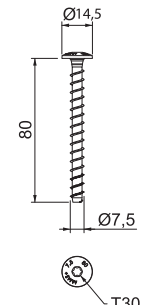
MMS-plus P round head tie, with panhead



Type	Dimension mm	Screw system	Anchor length mm	Drill hole Ø mm	Head Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 6x35	6x35	Torx	35	5	11.2	100	0.900	3498103
MMS+ P 6x40	6x40	Torx	40	5	11.2	100	1.000	3498105
MMS+ P 6x50	6x50	Torx	50	5	11.2	100	1.000	3498108

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

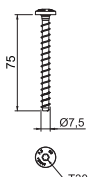
MMS-plus P round head tie, with panhead



Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 7.5x80	7.5x80	80	6	14.5	Torx	50	1.600	3498272

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus P round head tie, with panhead, made of A4 stainless steel



Type	Dimension mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ P 7.5x75 A4	7.5x75	6	14.5	Torx	50	1.900	3498274

Stainless steel screw-in anchor for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With round head for universal fastenings in wet rooms and outdoor areas. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

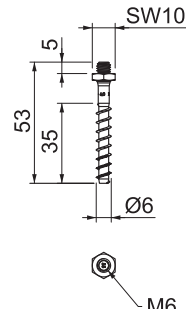
St G



MMS-plus ST push-in tie, with connection thread

Type	Dimension mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ ST 6x55	6x55	5	M6	10	100	1.030	3498264

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. M6 connection thread for fastening clips with threaded foot. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



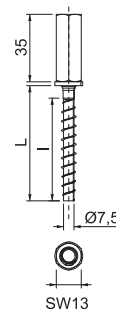
St G



MMS-plus I internal thread tie, with combination thread sleeve

Type	Dimension mm	Dim. L mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ I 7.5x40	7,5x40	40	6	M8/M10	13	40	3.810	3498266
MMS+ I 7.5x60	7,5x60	60	6	M8/M10	13	40	4.230	3498268

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With M8/M10 combination thread sleeve for fastening threaded rods. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

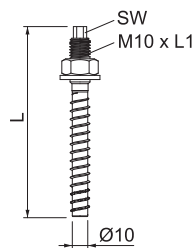


St

MMS-plus V pre-push tie, with connection thread

Type	Dimension mm	Dim. L mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ V 10x90	10x90	90	8	M10x20	7	25	5.500	3498190
MMS+ V 10x110	10x110	110	8	M10x40	7	25	6.660	3498192

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With connection thread and washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in push-through mounting. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

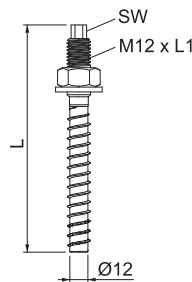


St

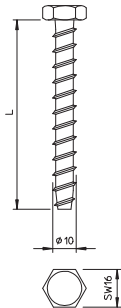
MMS-plus V pre-push tie, with connection thread

Type	Dimension mm	Dim. L mm	Drill hole Ø mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ V 12x110	12x110	110	10	M12x30	8	25	6.900	3498196

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With connection thread and washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in push-through mounting. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



MMS-plus SS hexagonal tie, with pressed washer

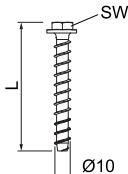


Type	Dimen- sion mm	Dim. L mm	Drill hole		Pack Piece	Weight kg/100 pc.	Item no.
			Ø	SW			
MMS+ SS 10x80	10x80	80	8	13	25	4.000	3498124
MMS+ SS 10x100	10x100	100	8	13	25	4.800	3498159

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus SS hexagonal tie, with pressed washer, made of A4 stainless steel

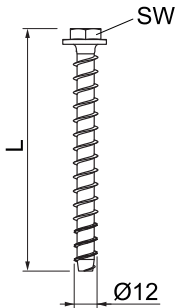
VA



Type	Dimen- sion mm	Dim. L mm	Drill hole		Pack Piece	Weight kg/100 pc.	Item no.
			Ø	SW			
MMS+ SS 10x75 A4	10x75	75	8	13	25	3.700	3498126
MMS+ SS 10x95 A4	10x95	95	8	13	25	4.600	3498128
MMS+ SS12x105 A4	12x105	105	10	15	25	8.200	3498174
MMS+ SS12x120 A4	12x120	120	10	15	25	9.400	3498176

Stainless steel screw-in anchor for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in wet rooms and in outdoor areas. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.

MMS-plus hexagonal tie, with pressed washer



Type	Dimen- sion mm	Dim. L mm	Drill hole		Pack Piece	Weight kg/100 pc.	Item no.
			Ø	SW			
MMS+ SS 12x100	12x100	100	10	15	25	7.800	3498170
MMS+ SS 12x120	12x120	120	10	15	25	8.900	3498172

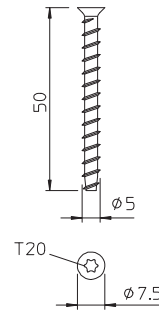
Stainless steel screw-in anchor for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in wet rooms and in outdoor areas. Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



MMS-plus KS countersunk head tie, for cable clip

Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ KS 5x50	5x50	50	4	7.5	Torx	200	0.460	3498204

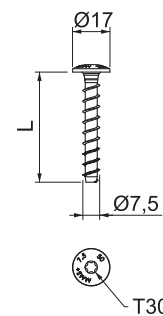
Bolt tie for direct mounting without additional anchors in concrete and masonry. With small countersunk head to fasten cable clips through the threaded foot.
Load-bearing capacities under fire loads proven up to fire resistance class R120.



MMS-plus MS mounting rail tie, with flat pan-head

Type	Dimension mm	Anchor length mm	Drill hole Ø mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ MS 7.5x50	7,5x50	50	6	17	Torx	100	1.500	3498261
MMS+ MS 7.5x60	7,5x60	60	6	17	Torx	50	1.800	3498262

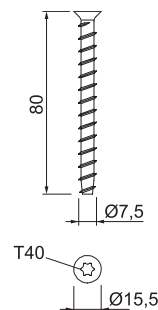
Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With large round head to fasten mounting and profile rails. Torx drive T30.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



MMS-plus F countersunk head tie

Type	Dimension mm	Drill hole mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
MMS+ F 7.5x80	7,5x80	6	15.5	Torx	50	2.000	3498160

Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With countersunk head for universal fastenings. Torx drive T40.
Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



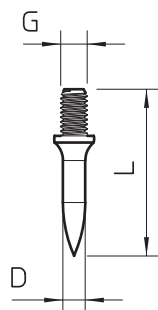
Knock-in anchor



OBO anchor

Type	Shank length mm	Dim. L mm	Dim. D Ø mm	Dim. G mm	Pack Piece	Weight kg/100 pc.	Item no.
903 15 G	15	23	4	M6	100	0.330	3100154
903 18 G	18	26	4	M6	100	0.360	3100189
903 25 G	25	33	4	M6	100	0.404	3100251
903 30 G	30	38	4	M6	100	0.470	3100308
903 40 G	40	48	4	M6	100	0.571	3100405

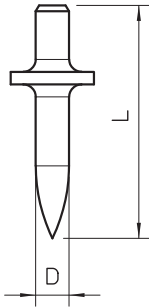
Hardened steel, electrogalvanised with M6 x 8 mm thread.



Knock-in anchor

OBO anchor

St



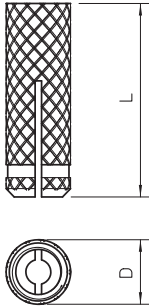
Type	Shank length mm	Dim. L mm	Dim. D Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
903 RB 15	15	21	4	200	0.295	3105016
903 RB 18	18	24	4	200	0.348	3105024
903 RB 22	22	30	4	200	0.325	3105032

Hardened steel, shiny without thread.

Anchor, light-duty fastening

Brass spreading anchor

CuZn 37

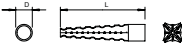


Type	Thread	Drill hole depth mm	Length mm	Drill hole Ø mm	Pull-out value N	Pack Piece	Weight kg/100 pc.	Item no.
865 M8x30	M8	41	30	11	7000	100	0.867	3483088
865 M10x34	M10	53	34	12	9000	100	1.315	3483096

Areas of application: full brick, concrete, wood. Ideally suited for areas exposed to high temperatures.

Metal spreading anchor

St GTP



Type	Dim. D mm	Dim. L mm	Drill hole Ø mm	Pack Piece	Weight kg/100 pc.	Item no.
MD 5 GTP	5	30	5-7	200	0.190	3484602
MD 6 GTP	6	32	7-9	100	0.250	3484629

Areas of application: gas concrete, lightweight concrete, Poroton, pumice, plaster, hollow brick and full brick. Can be knocked into porous concrete (gas concrete) of low resistance without drilling. Superbly suited for areas subjected to high temperatures.

St G

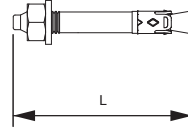
Nail anchor N with thread

Type	Thread	Drill hole Ø mm	Drill hole depth mm	Clamping range mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
N 6-5-10/49	M6	6	40	5-10	49	100	1.160	3498396

The nail anchor N can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting.

The nail tie only needs to be hammered into the drill hole. It is not necessary to apply torque subsequently. When the load occurs, the nail tie spreads itself and bolts itself in the drill hole.

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 20.



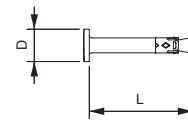
St G

Nail anchor N-K with nail head

Type	Thread	Drill hole Ø mm	Drill hole depth mm	Clamping range mm	Dim. L mm	Dim. D mm	Pack Piece	Weight kg/100 pc.	Item no.
N-K 6-5-10/44	M6	6	40	5-10	44	13	100	1.135	3498390

The nail anchor N-K can be used for multiple fastenings of non-load-bearing systems and in cracked and non-cracked concrete, thereby combining the benefits of a bolt tie with even easier mounting. The nail anchor only needs to be hammered into the drill hole. When the load occurs, the nail anchor spreads itself and bolts itself in the drill hole.

European Technical Approval ETA-11/0240, including characteristic values under fire exposure to fire resistance R 120.



St G

Bolt tie BZ

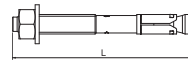
Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ10-100-120/180	M10	10	75	180	25	10.320	3498342
BZ 10-150/230	M10	10	75	230	25	13.600	3498344
BZ 12-15-35/110	M12	12	90	110	25	10.320	3498350

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.

Proof of suitability in the case of seismic impacts, categories C1 and C2.

Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.



A4 2B

Bolt tie BZ

Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ12-15-35/110A4	M12	12	90	110	25	10.440	3498352

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, indoors and outdoors, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European technical approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.

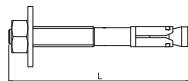
Proof of suitability in the case of seismic impacts, categories C1 and C2.

Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.



Bolt tie BZ-U

St G



Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ-U 8-10-21/75	8	60	M8	75	50	3.460	3498320
BZ-U 8-30-41/95	8	60	M8	95	50	4.010	3498326
BZ-U 10-10-30/90	10	75	M10	90	50	6.720	3498334
BZ-U10-30-50/110	10	75	M10	110	25	7.900	3498340

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

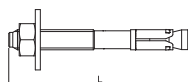
European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.

Proof of suitability in the case of seismic impacts, categories C1 and C2.

Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

Bolt tie BZ-U

A4 2B



Type	Drill hole Ø mm	Drill hole depth mm	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
BZ-U8-10-21/75A4	8	60	M8	75	50	3.460	3498322
BZ-U8-30-41/95A4	8	60	M8	95	50	4.090	3498328
BZU10-10-30/90A4	10	75	M10	90	50	6.740	3498336

Bolt tie BZ for the anchoring of medium-duty to heavy-duty loads, indoors and outdoors, both in cracked and non-cracked concrete. It combines high approved loads with small edge distances and axial spacings.

European Technical Approval ETA-99/0010, including characteristic values under fire exposure to fire resistance R 120.

Proof of suitability in the case of seismic impacts, categories C1 and C2.

Shock approval by the Federal Office for Civil Protection in Bern, Switzerland.

Impact tie, version with collar

St G



Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
ES M 10x30	M10	12	30	30	2	50	1.800	3492032
ES M 6x25	M6	8	25	25	1.7	100	0.600	3492018
ES M 8x25	M8	10	25	25	1.9	100	1.000	3492020
ES M 8x30	M8	10	30	30	1.7	100	1.100	3492023
ES M 10x25	M10	12	25	25	2.1	50	1.400	3492022
ES M 10x40	M10	12	40	40	2	50	2.100	3492024
ES M 12x25	M12	15	25	25	2.1	50	2.200	3492025
ES M 12x50	M12	15	50	50	2.4	50	4.100	3492026

Impact tie for single fastening of non-load-bearing systems in non-cracked concrete as well as for multiple fastening in cracked and non-cracked concrete.

Tested to fire protection standards, fire resistance class R 120 according to European Technical Approval ETA-02/0020 (option 7) and European Technical Approval ETA-05/0116.

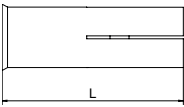
Mounting with marking and setting tool.

A4

Impact tie, version with collar

Type	Thread	Drill hole Ø mm	Drill hole depth mm	Dim. L mm	Perm. load range, tension zone kN	Pack Piece	Weight kg/100 pc.	Item no.
ES M 8x30 A4	M8	10	30	30	1.7	50	1.100	3492003
ES M 10x40 A4	M10	12	40	40	2	50	2.000	3492008
ES M 12x50 A4	M12	15	50	50	2.4	50	4.300	3492012

Impact tie for single fastening of non-load-bearing systems in non-cracked concrete as well as for multiple fastening in cracked and non-cracked concrete.
Tested to fire protection standards, fire resistance class R 120 according to European Technical Approval ETA-02/0020 (option 7) and European Technical Approval ETA-05/0116.
Mounting with marking and setting tool.

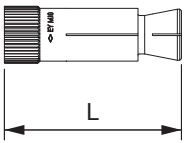


St G

Hollow core anchor Easy

Type	Thread	Drill hole Ø mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
Easy M6	M6	10	40	50	1.000	3498768
Easy M8	M8	12	44	25	1.500	3498770
Easy M10	M10	16	53	25	3.320	3498774
Easy M12	M12	18	58	25	4.230	3498776

Hollow core anchor "Easy" for mounting in prestressed hollow concrete slabs. When the screw or the nut is tightened, the cone is released from the anchor sleeve and pulled into it. This makes the anchor expand in the hollow space, thereby creating firm lock. The hollow core anchor can also be used when the expansion area is not located in the cavity.
The fastening of the component can be done with standard screws and threaded rods.
General type approval Z-21.1-1785 granted by the German Institute for civil engineering (DIBt), Berlin, including permissible loads when exposed to fire up to a fire resistance duration of 120 minutes.



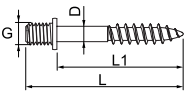
Screw-in anchor

St G

Screw-in anchor with M6 thread

Type	Dim. G mm	Dim. D mm	Dim. L1 mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
985 M6 25	M6	4.3	25	35	100	0.412	3133028
985 M6 35	M6	4.3	35	45	100	0.533	3133036

With wood screw shank and M6 thread.

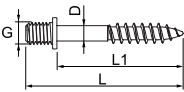


St G

Screw-in anchor with M8 thread

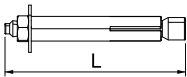
Type	Dim. G mm	Dim. D mm	Dim. L1 mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
985 M8 35	M8	5.2	35	47	100	0.950	3133230

With wood screw shank and M8 thread.



Porous concrete anchor with external thread

St G
DIBt U



Type	Thread	Fix- ture thick- ness mm	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
PBD M8x10	M8	10	88	25	7.600	3497608

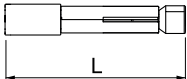
Steel spreading anchor tested for fire protection properties and approved for use in porous concrete.

Version with external thread. Suitable for fire loads of up to 120 minutes, please refer to the general construction approval for the load values (applies to porous concrete of resistance classes of min. 3.3).

A setting tool is required for mounting.

Porous concrete anchor with internal thread

St G
DIBt U



Type	Thread	Dim. L mm	Pack Piece	Weight kg/100 pc.	Item no.
PBD i M8	M8	82	25	6.200	3497702

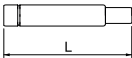
Steel spreading anchor tested for fire protection properties and approved for use in porous concrete.

Version with internal thread. Suitable for fire loads of up to 120 minutes, please refer to the general construction approval for the load values (applies to porous concrete of resistance classes of min. 3.3).

A setting tool is required for mounting.

Setting tool for hand hammer

St G

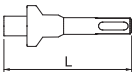


Type	Size	Pack Piece	Weight kg/100 pc.	Item no.
EWP 8x10	M8x10	1	39.800	3497648

Setting tool PBD porous concrete anchors – for hand hammer.

Setting tool for rotary hammer

St G



Type	Size	Pack Piece	Weight kg/100 pc.	Item no.
SDS-EWP 8x10	M8x10	1	26.000	3497676

Setting tool for PBD porous concrete anchors – for rotary hammer with SDS seat.



Injection mortar in cartridge, 280 ml



Type	Contents ml	Pack Piece	Weight kg/100 pc.	Item no.
VMU plus 280	280	1	56.000	3497800

Styrene-free, vinyl ester composite mortar for spread-free anchoring of high loads with threaded anchor rods. Coaxial cartridge, including 1 mixing tube, to be worked with the standard cartridge gun or VM-P 345 Profi.

European Technical Assessment for cracked and uncracked concrete, as well as for masonry of full and hollow brick. Earthquake-proof in concrete according to Category C1. Fire protection approval for concrete and masonry with fire resistance classes up to 120 minutes.

Substrate temperature during processing –10 °C to +40 °C (concrete), ambient temperature after complete hardening –40 °C to +120 °C (in concrete). Will keep for at least 18 months if stored in a dark, cool and dry place.

The injection mortar has a European Technical Approval (ETA) for cracked and uncracked concrete, as well as for masonry of full or hollow brick. It is earthquake-proof according to performance category C1 and has fire protection approvals for concrete and masonry with a fire resistance class up to 120 minutes.

Injection mortar in cartridge, 420 ml

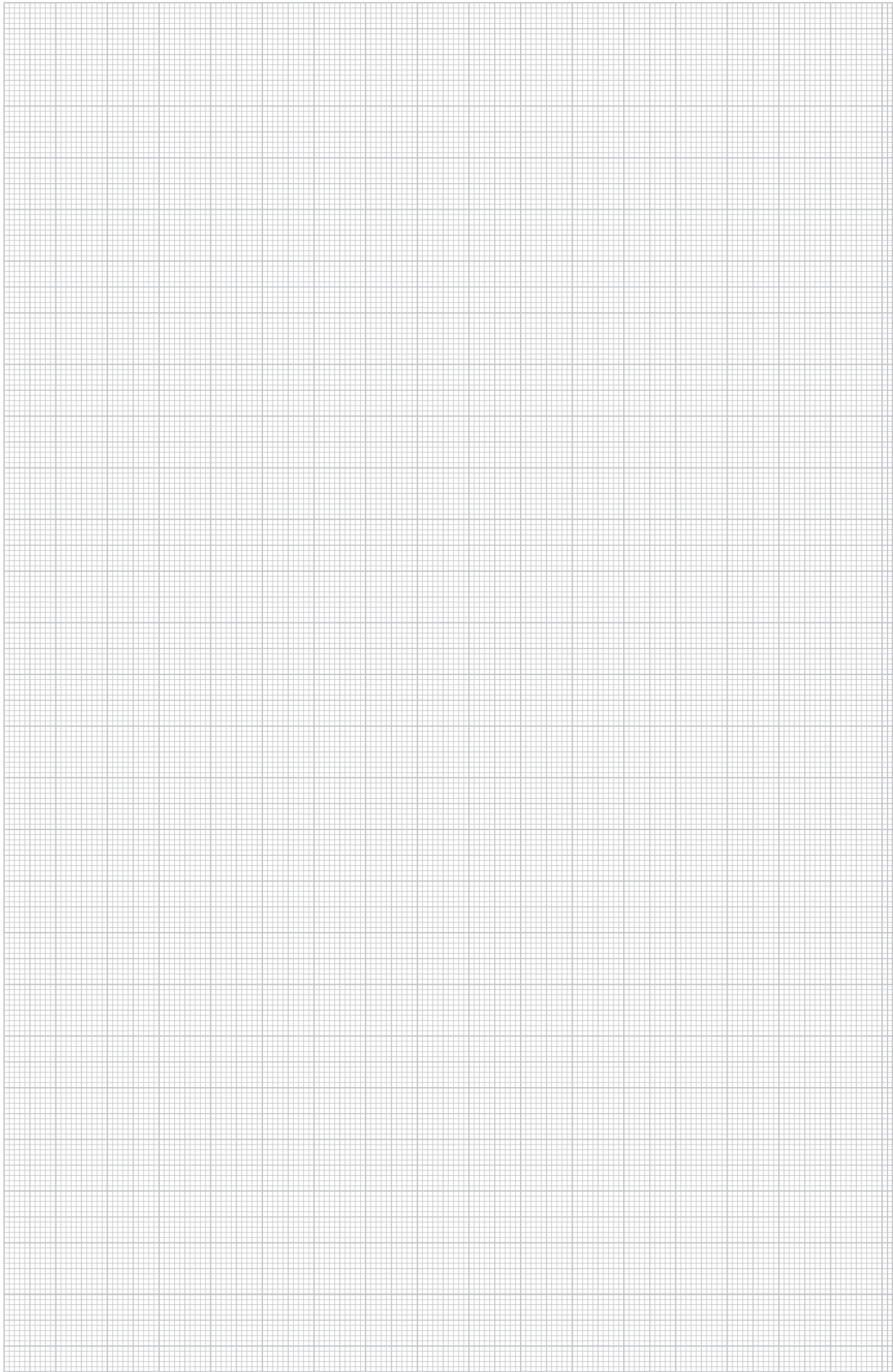


Type	Contents ml	Pack Piece	Weight kg/100 pc.	Item no.
VMU plus 420	420	1	83.000	3497803

Styrene-free, vinyl ester composite mortar for spread-free anchoring of high loads with threaded anchor rods. Coaxial cartridge, including one mixing tube, to be worked with the pressing gun, type VM-P 380 Profi.

European Technical Assessment for cracked and uncracked concrete, as well as for masonry of full and hollow brick. Earthquake-proof in concrete according to Category C1. Fire protection approval for concrete and masonry with fire resistance classes up to 120 minutes.

Substrate temperature during processing –10 °C to +40 °C (concrete), ambient temperature after complete hardening –40 °C to +120 °C (in concrete). If stored in a dark, cool and dry place, will keep for at least 18 months.





Flattener

Flattener

St

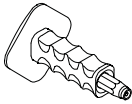


Type	Dim. L	Dim. D	Size	Pack Piece	Weight kg/100 pc.	Item no.
	mm	mm				
915 S M6	135	14	M6	1	17.000	3031012

Flattener for OBO anchors 903 with M6 thread.

Flattener with hand protection

St



Type	Pack Piece	Weight kg/100 pc.	Item no.
915 RBS M4	1	52.000	3031500

Flattener with hand protection for OBO anchors 903/RB Ø 4 mm and also for OBO anchors 904 with M4 thread.

Pressing gun

Pressing gun for 10:1 coaxial cartridges



Type	Pack Piece	Weight kg/100 pc.	Item no.
VM-P 380 Profi	1	110.000	3497909

High-quality 2-component cartridge pistol. The parallel movement of the outlet to the holding grip ensures easy working. Suitable for the injection mortar type VMU plus 420.

Pressing gun for standard cartridges and side-by-side cartridges



Type	Pack Piece	Weight kg/100 pc.	Item no.
VM-P 345 Profi	1	100.000	3497906

Side-by-side cartridge pistol for the use of standard cartridges or side-by-side cartridges. The cartridge pistol is suitable for the injection mortar VMU plus 280 and can also be used with normal 300 ml cartridges.

Blow pump

Blow pump for drill holes



Type	Pack Piece	Weight kg/100 pc.	Item no.
VM-AP 360	1	27.000	3497912

Manual pump with 750 ml air volume for blowing out drill holes according to anchor approval.

PA

Mixer pipe for mortar cartridge

Type	Pack Piece	Weight kg/100 pc.	Item no.
VM-X	12	1.000	3497981

Mixing tubes for attachment to the cartridges of the VMU plus injection mortar system.



Anchor rods

St G

Anchor rod

Type	Dim. L mm	Dim. d mm	Thread	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
VMU-A 8-110vz	110	6.5	M8	13	10	4.350	3497820
VMU-A 10-130vz	130	8.2	M10	17	10	8.150	3497822
VMU-A 10-150vz	150	8.2	M10	17	10	9.150	3497824
VMU-A 12-155vz	155	9.9	M12	19	10	13.850	3497826
VMU-A 8-110A4	110	6.5	M8	13	10	4.350	3497830
VMU-A 10-130A4	130	8.2	M10	17	10	8.150	3497832
VMU-A 12-155A4	155	9.9	M12	19	10	13.850	3497834



With the anchor rod and matching plastic wire sleeve, loads are fastened without spreading pressure in masonry walls using the VMS plus injection mortar. The system is also used for fastening in concrete ceilings. On concrete and full brick walls, the anchor rod is only mounted with the injection mortar VMU plus, without a wire sleeve.

The anchor rod VMU-A 8x110 mm is mounted using the plastic wire sleeve VM-SH 12x80 or VM-SH 16x85.

The anchor rod VMU-A 10x130 mm is mounted using the plastic wire sleeve VM-SH 16x85.

The anchor rod VMU-A 10x150 mm is mounted using the plastic wire sleeve VM-SH 16x85 or VM-SH 16x130.

The anchor rod VMU-A 12x155 mm is mounted using the plastic wire sleeve VM-SH 20x85.

Use the wire sleeve VMU-SH 12x50 for the anchor rods M6 (L=65 mm) and M8 (L=65 mm). Should the anchor rods M8 (L=120 mm), M10 (L=140 mm), M10 (L=160 mm) and M12 (L=165 mm) be used, then use the wire sleeve VMU-SH 18x95.

Cleaning brush

St G

Steel cleaning brush for drill holes

Type	Dia-meter mm	Length mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
RB 10 M 6	10	130	M6	1	5.000	3497870
RB 12 M 6	12	140	M6	1	5.000	3497872
RB 14 M 6	14	180	M6	1	5.000	3497874
RB 16 M 6	16	190	M6	1	5.000	3497875
RB 18 M 6	18	200	M6	1	5.000	3497876
RB 20 M 6	20	220	M6	1	5.000	3497878



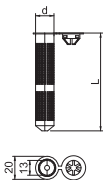
Using the steel wire brush, drill holes must be mechanically cleaned according to the anchor approval, in order to obtain a clean adhesion substrate for the injection mortar.

The steel wire brush is fixed to an SDS adapter with a threaded connection, in order to clean the drill holes with a drill.

Sleeves

Plastic wire sleeve

PA



Type	Dim. L mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
VMU-SH 12x80	80	12	10	0.200	3497860
VMU-SH 16x85	85	16	10	0.300	3497862
VMU-SH 16x130	130	16	10	0.400	3497864
VMU-SH 20x85	85	20	10	0.400	3497866

The plastic wire sleeve is a supplement to the anchor rod or internal thread sleeve and is used to install components on masonry.

The plastic wire sleeve VM-SH 12x80 is mounted with the anchor rod VMU-A 8x110.

The plastic wire sleeve VM-SH 16x85 is mounted with the anchor rods VMU-A 10x130 and VMU-A 10x150 or the internal thread sleeve VMU-IG M6x80.

The plastic wire sleeve VM-SH 16x130 is mounted with the anchor rod VMU-A 10x150.

The plastic wire sleeve VM-SH 20x85 is mounted with the anchor rod VMU-A 12x155 or the internal thread sleeve VMU-IG M8x80 and VMU-IG M10x80.

Adapter

SDS adapter

St



Type	Pack Piece	Weight kg/100 pc.	Item no.
RBL M6 SDS	1	6.000	3497915

Adapter for accepting steel wire brushes for mechanical cleaning of drill holes according to the anchor approval. Suitable for drills with SDS seat.

Extensions

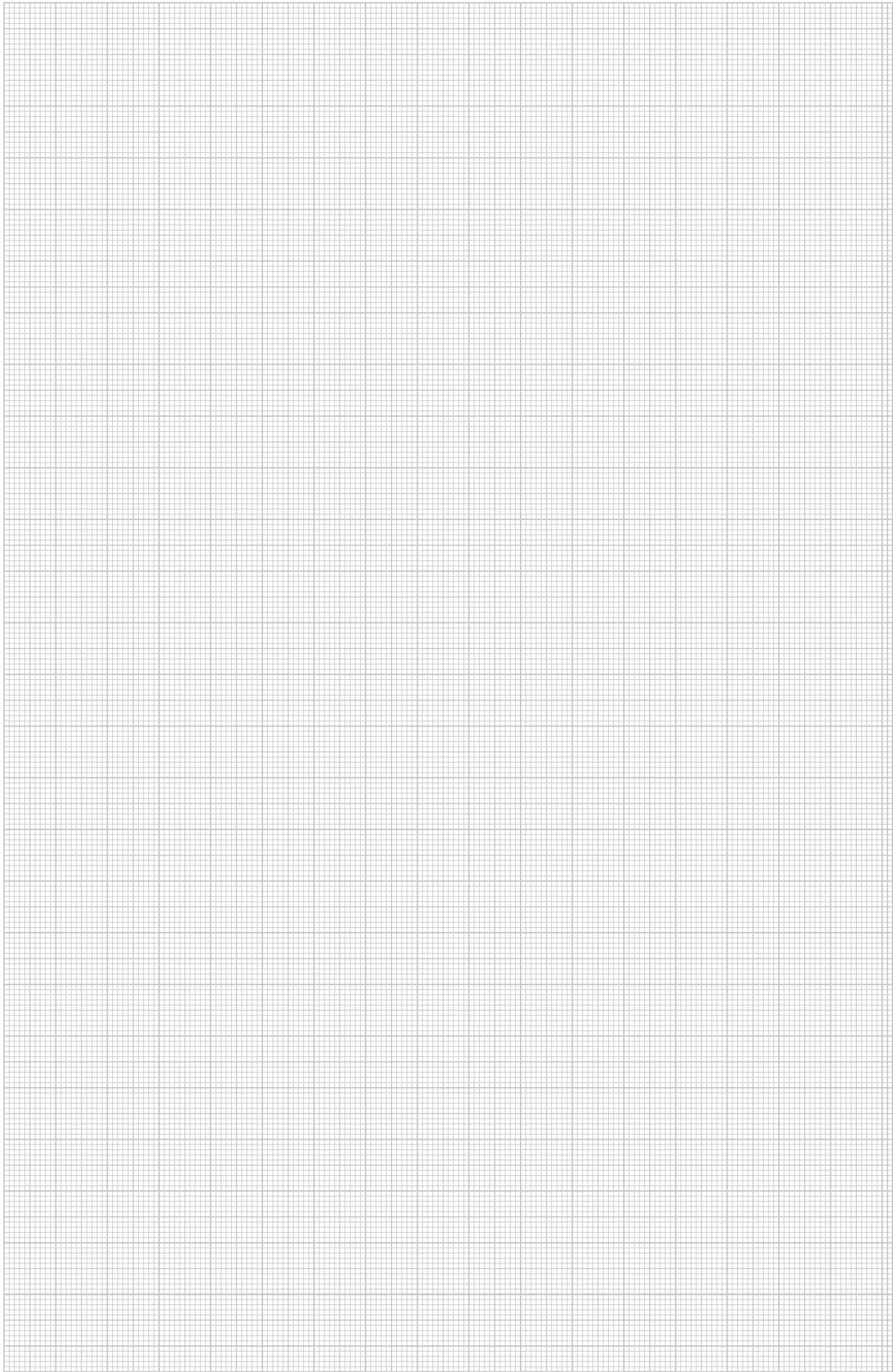
SDS extension

St



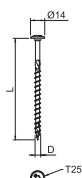
Type	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
RB-L 150 M6	150	1	9.700	3497932

Extension with internal and external M6 thread for the connection of the SDS adapter with steel wire brush in difficult to access drill holes.



Flange head-screw HT 6

St G

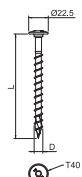


Type	Dim. D mm	Dim. L mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
HT 6x60 TD	6	60	14	Torx	200	0.850	3498130
HT 6x80 TD	6	80	14	Torx	100	1.100	3498132
HT 6x100 TD	6	100	14	Torx	100	1.300	3498134
HT 6x120 TD	6	120	14	Torx	100	1.300	3498136

Self-tapping wood screw for fireproof fastening of cable systems for the maintenance of electrical function according to DIN 4102 Part 12 on supporting wooden structures. The flange head shape allows installation without an additional washer.

Flange head-screw HT 10

St G



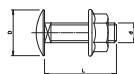
Type	Dim. D mm	Dim. L mm	Head Ø mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
HT 10x80 TD	10	80	22.5	Torx	50	3.100	3498140
HT 10x100 TD	10	100	22.5	Torx	50	3.700	3498142
HT 10x120 TD	10	120	22.5	Torx	50	4.300	3498144
HT 10x140 TD	10	140	22.5	Torx	50	4.900	3498146

Self-tapping wood screw for fireproof fastening of cable systems for the maintenance of electrical function according to DIN 4102 Part 12 on supporting wooden structures. The flange head shape allows installation without an additional washer.

Truss-head bolts

Truss-head bolt with combination nut

St G

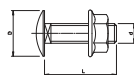


Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 G	M 6x12	12	6	13.5	5.6	100	0.804	6406130

Hot galvanised truss-head bolt with square neck including electrogalvanised combination nut.
For universal fastening of construction components. Permitted use of the article only in dry atmospheres.

Truss-head bolt with flange nut

St F



Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 VZ F	M 6x12	12	6	13.5	5.6	10	0.840	6406125
FRSB 6x12 F	M 6x12	12	6	13.5	5.6	100	0.812	6406122
FRSB 6x16 F	M 6x16	16	6	13.5	5.6	100	0.890	6406157
FRSB 6x20 F	M 6x20	20	6	13.5	5.6	100	0.965	6406203
FRSB 6x30 F	M 6x30	30	6	13.5	5.6	100	1.232	6406907

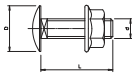
Truss-head bolt with square neck including flange nut.



VA VA 2B

Truss-head bolt with flange nut

Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 A2	M6x12	12	6	13.5	A2-70	100	0.830	6406138
FRSB 6x16 A2	M6x16	16	6	13.5	A2-70	100	0.800	6406189
FRSB 6x20 A2	M6x20	20	6	13.5	A2-70	100	0.960	6406205
FRSB 6x12 A4	M6x12	12	6	13.5	A4-50	100	0.796	6406142
FRSB 6x16 A4	M6x16	16	6	13.5	A4-50	100	0.800	6406193
FRSB 6x20 A4	M6x20	20	6	13.5	A4-70	100	0.960	6406207

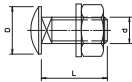


Truss-head bolt with square neck including flange nut.

VA 2B

Truss-head bolt with nut and washer

Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 10x25 A4	M 10x25	25	10	24	A4-70	50	4.500	6407524

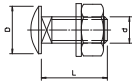


Truss-head bolt with square neck including washer and hexagonal nut.

St F

Truss-head bolt with nut and washer

Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 8x16 F 8.8	M 8x16	16	8	20	8.8	50	1.947	6406963
FRS 8x20 F	M 8x20	20	8	20	5.6	50	2.054	6406971
FRS 8x25 F	M 8x25	25	8	20	8.8	50	2.217	6406998
FRS 8x35 F	M 8x35	35	8	20	5.6	50	2.431	6407048
FRS 10x20 F	M 10x20	20	10	24	8.8	50	4.100	6407471
FRS 10x25 F	M 10x25	25	10	24	5.6	50	4.077	6407528
FRS 10x25 F 8.8	M 10x25	25	10	24	8.8	50	4.500	6407560
FRS 10x25 TPS F	M 10x25	25	10	18	5.6	50	4.300	6407536
FRS 10x30 F	M 10x30	30	10	24	8.8	50	4.187	6407579
FRS 12x25 F	M 12x25	25	12	30	5.6	50	6.518	6406254
FRS 12x30 F	M 12x30	30	12	30	5.6	50	6.805	6406270

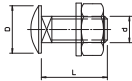


Truss-head bolt with square neck. With washer and hexagonal nut.
The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.

VA 2B

Truss-head bolt with nut and washer

Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 10x25 TPS A2	M 10x25	25	18	10	A2-70	50	4.000	6407537

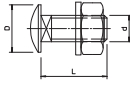


Truss-head bolt with square neck. With washer and hexagonal nut.
The truss-head bolt can be used in combination with hot-dip and double-dip galvanised articles.

Truss-head bolts

Truss-head bolt with nut and washer

VA VA VA 2B



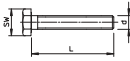
Type	Dimension mm	Dim. L mm	Dim. d mm	Dim. D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 6x12 A2	M6x12	12	6	13.5	A2-70	100	0.760	6406521
FRS 6x16 A2	M6x16	15	6	13.5	A2-70	100	0.869	6406556
FRS 6x20 A2	M6x20	20	6	13.5	A2-70	100	0.942	6406602
FRS 8x16 A2	M8x16	16	8	20	A2-70	50	1.926	6406696
FRS 8x25 A2	M8x25	25	8	20	A2-70	50	2.300	6406815
FRS 8x35 A2	M8x35	35	8	20	A2-70	50	2.700	6406823
FRS 10x25 A2	M10x25	25	10	24	A2-70	50	3.905	6406718
FRS 10x30 A2	M10x30	30	10	24	A2-70	50	4.500	6406726
FRS 12x25 A2	M12x25	25	12	30	A2-70	25	6.400	6406750
FRS 12x30 A2	M12x30	30	12	30	A2-50	25	6.800	6406769
FRS 6x12 A4	M6x12	12	6	13.5	A4-70	100	0.820	6406564
FRS 6x16 A4	M6x16	16	6	13.5	A4-70	100	0.900	6406580
FRS 6x20 A4	M6x20	20	6	13.5	A4-70	100	0.977	6406610
FRS 8x16 A4	M8x16	16	8	20	A4-70	50	2.200	6406653
FRS 8x16 A4	M8x16	16	8	20	A4-70	50	2.200	6406698
FRS 12x25 A4	M12x25	25	12	30	A4-70	25	6.400	6406785
FRS 10x20 A4	M10x20	20	10	24	A4-70	50	4.000	6406870

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

Hexagonal bolts

Hexagonal bolt with nut and washer

St F



Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 6x12 F	M6x12	12	6	10	5.6	100	0.810	3156494
SKS 6x20 F	M6x20	20	6	10	5.6	100	0.917	3156516
SKS 6x30 F	M6x30	30	6	10	5.6	100	1.097	3156524

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with nut and washer

St F



Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 8x16 F	M8x16	16	8	13	8.8	50	1.691	3158624
SKS 8x20 F	M8x20	20	8	13	8.8	50	1.837	3158632
SKS 8x30 F	M8x30	30	8	13	5.6	50	2.144	3158640

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with nut and washer

St F



Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x25 F	M10x25	25	10	17	8.8	50	3.719	3160734
SKS 10x30 F	M10x30	30	10	17	8.8	50	3.995	3160742
SKS 10x40 F	M10x40	40	10	17	8.8	50	4.422	3160750
SKS 10x60 F	M10x60	60	10	17	8.8	20	6.000	6408516
SKS 10x80 F	M10x80	80	10	17	8.8	20	7.700	6418250
SKS 10x90 F	M10x90	90	10	17	8.8	20	8.950	6418252
SKS 10x120 F	M10x120	120	10	17	8.8	20	8.294	3160793

Hexagonal bolt for universal fixing of structure components.

St G

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x110 G	M 10x110	110	30	10	17	5.6	20	9.500	6418244

Hexagonal bolt with washers and hexagonal nut.



A4

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x30 A4	M 10x30	30	10	17	A4-70	50	3.000	3160752

Hexagonal bolt for universal fixing of structure components.



St F

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x30 F	M 12x30	30	12	19	8.8	20	5.990	3163091
SKS 12x40 F	M 12x40	40	12	19	8.8	25	7.800	3163113
SKS 12x60 F	M 12x60	60	12	19	8.8	25	8.057	3163156

Hexagonal bolt for universal fixing of structure components.

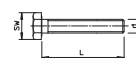


VA VA 2B

Hexagonal bolt with nut and washer

Type	Dimension mm	Dim. L mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 10x90 A2	M 10x90	90	10	17	A2-70	20	10.038	6418255
SKS 10x80 A4	M 10x80	80	10	17	A4-70	20	7.800	6418248
SKS 10x90 A4	M 10x90	90	10	17	A4-70	20	7.800	6418256

Hexagonal bolt for universal fixing of structure components.

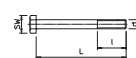


St F

Hexagonal bolt with hexagonal nut, washer and tooth lock washer

Type	Dimension mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x80 F	M 12x80	80	30	12	19	8.8	20	10.000	6418287
SKS 12x100 F	M 12x100	100	30	12	19	8.8	20	10.981	6418295
SKS 12x110 F	M 12x110	110	30	12	19	8.8	20	14.500	6418317
SKS 12x130 F	M 12x130	130	36	12	19	8.8	20	13.101	6408478

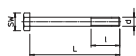
Hexagonal bolt with hexagonal nut, washer and tooth lock washer.



Hexagonal bolts

Hexagonal bolt with hexagonal nut, washer and tooth lock washer

VA 2B

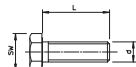


Type	Dimen- sion mm	Dim. L mm	Dim. l mm	Dim. d mm	SW mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x80 A2	M 12x80	80	30	12	19	A2-70	20	10.400	6418279
SKS 12x100 A2	M 12x100	100	30	12	19	A2-70	20	12.000	6418368
SKS 12x110 A2	M 12x110	110	30	12	19	A2-70	20	14.500	6418376

Hexagonal bolt for universal fixing of structure components.

Hexagonal bolt with large surface screw, washer and nut

St F



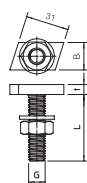
Type	Dimen- sion mm	Dim. L mm	Dim. d mm	SW mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
SKS 12x40 G F	M 12x40	40	12	19	8.8	10	9.800	3164020

Hexagonal bolt with hexagonal nut, large washer and washer.
For fastening wall and support brackets on adapter plates.

Hook head screws

Hook-head screw

St ZL

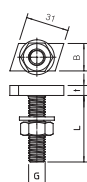


Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS40HB M6x30 ZL	35	17	50	4.800	1148106
MS40HB M8x30 ZL	35	17	50	5.650	1148110
MS40HB M8x60 ZL	35	17	25	6.850	1148114
MS40HB M10x30 ZL	35	14	50	6.000	1148118
MS40HB M10x60 ZL	35	14	25	7.850	1148122
MS40HB M12x30 ZL	35	14	50	7.550	1148126
MS40HB M12x60 ZL	35	14	25	10.250	1148130

Hook-head screw for use with MS4022 profile rail

Hook head screw

A4 2B



Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS40HB M8x30 A4	35	17	50	5.650	1148150
MS40HB M8x60 A4	35	17	25	6.850	1148154
MS40HB M10x30 A4	35	14	50	6.000	1148160
MS40HB M10x60 A4	35	14	25	7.850	1148164
MS40HB M12x30 A4	35	14	50	7.550	1148168
MS40HB M12x60 A4	35	14	25	9.320	1148170

Hook-head screw for use with MS4022 profile rail

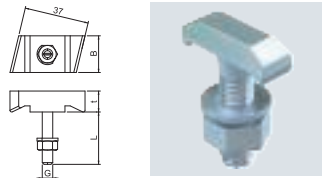


Hook head screws

St ZL

Type	Length mm	Width mm	Height mm		Pack Piece	Weight kg/100 pc.	Item no.
MS50HB M6x30 ZL	43	21	12		50	7.800	1148206
MS50HB M8x30 ZL	43	21	12		50	8.700	1148210
MS50HB M8x60 ZL	43	21	12		25	9.900	1148214
MS50HB M10x30 ZL	43.3	13	10		50	7.700	1148218
MS50HB M10x60 ZL	43.3	13	10		25	9.450	1148222
MS50HB M12x30 ZL	43.3	13	10		50	9.000	1148226
MS50HB M12x60 ZL	43.3	13	10		25	11.650	1148230

Hook-head screw for use with MS5030 profile rail

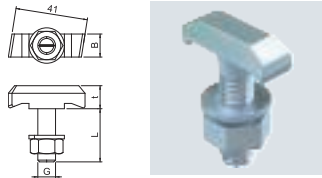


A4 2B

Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS50HB M10x30 A4	43.3	13	10	M10x30mm	50	7.700	1148268
MS50HB M10x60 A4	43.3	13	10	M10x60mm	25	9.450	1148272
MS50HB M12x30 A4	43.3	13	10	M12x30mm	50	9.000	1148276
MS50HB M12x60 A4	43.3	13	10	M12x60mm	25	11.650	1148280

Hook-head screw for use with MS5030 profile rail

Hook head bolt

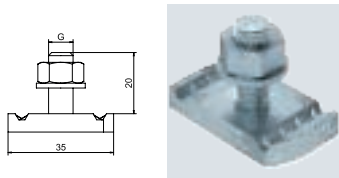


Hammer-head bolts

St ZL

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HB M6x30 ZL	35	20	6	M6x30	3.3	50	4.000	1148306
MS41HB M8x30 ZL	35	20	6	M8x30	8	50	4.850	1148310
MS41HB M8x60 ZL	35	20	6	M8x60	8	25	6.000	1148314
MS41HB M8x100 ZL	35	20	6	M8x100	8	20	7.600	1148318
MS41HB M10x30 ZL	35	20	8	M10x30	16	50	7.400	1148322
MS41HB M10x60 ZL	35	20	8	M10x60	16	25	9.250	1148326
MS41HB M10x100ZL	35	20	8	M10x100	16	20	11.700	1148330
MS41HB M12x30 ZL	35	20	9.5	M12x30	27	50	9.750	1148334
MS41HB M12x60 ZL	35	20	9.5	M12x60	27	25	12.400	1148338
MS41HB M12x100ZL	35	20	9.5	M12x100	27	20	15.950	1148342

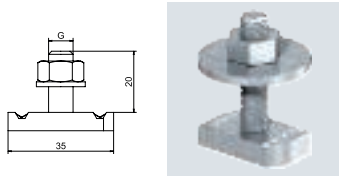
Hammer-head bolt for use with MS4121 and MS4141 profile rails



A4 2B

Type	Length mm	Width mm	Height mm	Thread	Torque Nm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HB M10x30 A4	35	20	8	M10x30	9.9	50	7.350	1148422

Hammer-head bolt for use with MS4121 and MS4141 profile rails

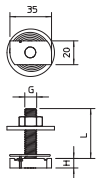


Hammer-head bolt

Hammer-head bolts

Hammer-head bolt with spring

St F

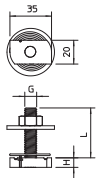


Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HBF M8x30 F	35	20	50	5.200	1148376
MS41HBF M8x60 F	35	20	25	6.300	1148380
MS41HBF M10x30 F	35	20	50	7.700	1148384
MS41HBF M10x60 F	35	20	25	9.550	1148388
MS41HBF M12x30 F	35	20	50	10.000	1148392
MS41HBF M12x60 F	35	20	25	12.700	1148396

Hammer-head bolt with spring for use with MS4121 and MS4141 profile rails

Hammer-head bolt with spring

A4 2B

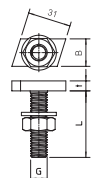


Type	Length mm	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
MS41HBF M10x30A4	35	20	50	7.350	1148484
MS41HBF M10x60A4	35	20	25	9.200	1148488
MS41HBF M12x30A4	35	20	50	9.700	1148492
MS41HBF M12x60A4	35	20	25	12.400	1148496

Hammer-head bolt with spring for use with MS4121 and MS4141 profile rails

Hammer-head bolt

St ZL

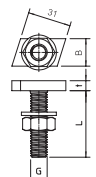


Type	Length mm	Width mm	Height mm	Pack Piece	Weight kg/100 pc.	Item no.
ACMHB M6x30 ZL	26	16.5	5	50	2.600	1148056
ACMHB M8x30 ZL	26	16.5	5	50	3.197	1148060
ACMHB M8x60 ZL	26	16.5	5	25	4.650	1148064
ACMHB M10x30 ZL	26	16.5	5	50	4.950	1148068
ACMHB M10x60 ZL	26	16.5	5	25	6.750	1148072

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails

Hammer-head bolt

A4 2B



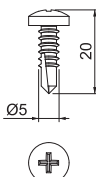
Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
ACMHB M6x30 A4	26	16.5	5	M 6 x 30mm	50	2.600	1148076
ACMHB M8x30 A4	26	16.5	5	M 8 x 30mm	50	3.450	1148080
ACMHB M8x60 A4	26	16.5	5	M 8 x 60mm	25	4.650	1148084
ACMHB M10x30 A4	26	16.5	5	M 10 x 30mm	50	4.950	1148088
ACMHB M10x60 A4	26	16.5	5	M 10 x 60mm	25	6.240	1148092

Hammer-head bolt for use with CM3015, CM3518 and AM3518 profile rails

Drilling screw

Drilling screw DIN 7504

St G



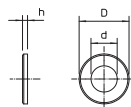
Type	Dimen- sion mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN 7504 N G	4,8 x 16	100	0.250	3176428

Self-tapping, with Phillips.



Washer

St G

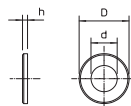


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 G	M6	6.4	12	1.6	100	0.114	3402061
WS M8 D16 G	M8	8.4	16	1.6	100	0.156	3402088
WS M10 D20 G	M10	10.5	20	2	100	0.408	3402096
WS M12 D24 G	M12	13	24	2.5	100	0.570	3402126

Washer according to DIN 125, shape A, for universal use.

Washer ISO 7093

St G

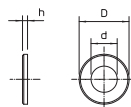


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D28 G	M6	6.5	28	2.5	100	1.104	3402207
WS M8 D28 G	M8	8.5	28	2.5	100	1.100	3402215
WS M10 D28 G	M10	11	28	2.5	100	1.020	3402223

Washer of large outer diameter for universal use.

Washer

St F

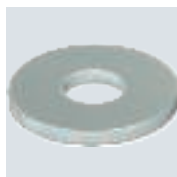
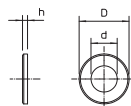


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
966 M6 F	M6	6.6	12	1.6	100	0.098	3402444
966 M8 F	M8	9	16	1.6	100	0.177	3402452
966 M10 F	M10	11	20	2	100	0.327	3402460
966 M12 F	M12	13.5	24	2.5	100	0.620	3402479

Washer for universal use.

Washer

A2 2B

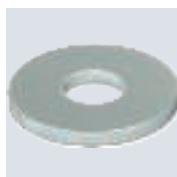
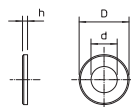


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 A2	M6	6.4	12	1.6	100	0.114	3402304
WS M8 D16 A2	M8	8.4	16	1.6	100	0.214	3402312
WS M10 D20 A2	M10	10.5	20	2	100	0.408	3402320
WS M12 D24 A2	M12	13	24	2.5	100	0.627	3402339

Washer according to DIN 125, shape A, for universal use.

Washer

A4 2B



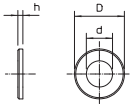
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 D12 A4	M6	6.4	12	1.6	100	0.114	3402306
WS M8 D16 A4	M8	8.4	16	1.6	100	0.214	3402314
WS M10 D20 A4	M10	10.5	20	2	100	0.408	3402322
WS M12 D24 A4	M12	13	24	2.5	100	0.627	3402345

Washer according to DIN 125, shape A, for universal use.

St G

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M6 G25 G	M6	6.4	25	1.2	100	0.428	3403084
WS M8 G20 G	M8	8.4	20	1.25	100	0.227	3403122
WS M8 G25 G	M8	8.4	25	1.2	100	0.408	3403130
WS M10 G30 G	M10	10.5	30	1.5	100	0.598	3403165

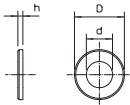


Washer of particularly large outer diameter.

A2 2B

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M8 D20 A2	M8	8.4	20	1.5	100	0.240	3403125
WS M8 D25 A2	M8	8.4	25	1.5	100	0.370	3403135
WS M8 D40 A2	M8	8.5	40	1.5	100	0.370	3403145
WS M10 D30 A2	M10	10.5	30	1.5	100	0.592	3403155
WS M10 D40 A2	M10	10.5	40	1.5	100	0.592	3403175

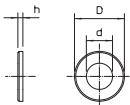


Washer of particularly large outer diameter. In the case of connections on the MS 41 mounting rail, we recommend the external diameter of 40 mm.

A4 2B

Fender washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
WS M8 D20 A4	M8	8.4	20	1.5	100	0.240	3403127
WS M8 D25 A4	M8	8.4	25	1.2	100	0.370	3403137
WS M8 D40 A4	M8	8.4	40	1.5	100	0.370	3403147
WS M10 D30 A4	M10	10.5	30	1.5	100	0.592	3403163
WS M10 D40 A4	M10	10.5	40	1.5	100	0.592	3403177

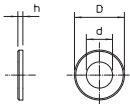


Washer of particularly large outer diameter. In the case of connections on the MS 41 mounting rail, we recommend the external diameter of 40 mm.

St F

Large washer

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN440 7 F	M6	6.6	22	2	100	0.535	6408702
DIN440 9 F	M8	9	28	3	100	1.057	6408710
DIN440 11 F	M10	11	34	3	100	1.852	6408729
DIN440 14 F	M12	13.5	44	4	50	4.736	6408737



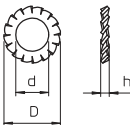
Washer of particularly large outer diameter.

Serrated washers

St G

Serrated washer DIN 6798

Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M8 G	M8	8.4	15	2.4	100	0.080	3404080
SWS M10 G	M10	10.5	18	2.7	100	0.125	3404102
SWS M12 G	M12	13	20.5	3	100	0.160	3404129

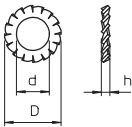


Serrated washer to DIN 6798, shape A.

Serrated washers

Serrated washer DIN 6798

A4 2B

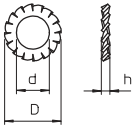


Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M6 A4	M6	6.4	11	2.1	100	0.036	3404372
SWS M8 A4	M8	8.4	15	2.4	100	0.080	3404377
SWS M10 A4	M10	10.5	18	2.7	100	0.125	3404381
SWS M12 A4	M12	13	20.5	3	100	0.170	3404385

Serrated washer to DIN 6798, shape A.

Serrated washer DIN 6798

A2 2B



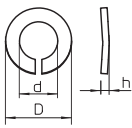
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
SWS M6 A2	M6	6.4	11	2.1	100	0.040	3404331
SWS M8 A2	M8	8.4	15	2.4	100	0.080	3404358

Serrated washer to DIN 6798, shape A.

Lock washers

Lock washer

St G



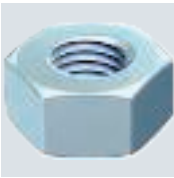
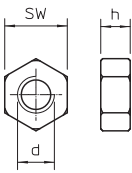
Type	Thread	Dim. d mm	Dim. D mm	Dim. mm	Pack Piece	Weight kg/100 pc.	Item no.
LWS M6 G	M6	6.3	11.8	2.1	100	0.070	3405060
LWS M8 G	M8	8.3	14.8	2.6	100	0.130	3405087
LWS M10 G	M10	10.5	18.1	3	100	0.210	3405109
LWS M12 G	M12	12.5	21.1	3.5	100	0.320	3405125

Lock washer according to DIN 128, shape A.

Nuts

Hexagonal nut DIN 934

St G

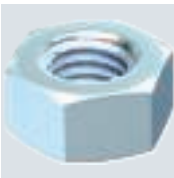
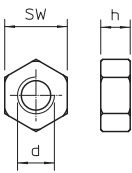


Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 G	M6	10	5.2	6	100	0.221	3400069
HN M8 G	M8	13	6.8	8	100	0.500	3400085
HN M10 G	M10	17	8.4	10	100	1.014	3400107
HN M12 G	M12	19	10.8	12	100	1.730	3400123

Hexagonal nut to DIN 934 with metric thread.

Hexagonal nut ISO 4032

St F



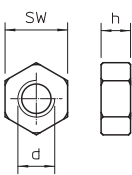
Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN934 M8 F	M8	13	6.8	8	100	0.477	3400352
DIN934 M10 F	M10	17	8.4	10	100	1.061	3400360
DIN934 M12 F	M12	19	10.8	12	100	1.540	3400379

Hexagonal nut to DIN 934 with metric thread.

A2 2B

Hexagonal nut DIN 934

Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 A2	M6	10	5.2	6	100	0.215	3397068
HN M8 A2	M8	13	6.8	8	100	0.520	3397084
HN M10 A2	M10	17	8.4	10	100	1.043	3397106
HN M12 A2	M12	19	10.8	12	100	1.730	3397114

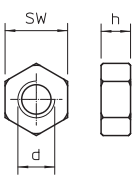


Hexagonal nut to DIN 934 with metric thread.

A4 2B

Hexagonal nut DIN 934

Type	Thread	SW mm	Dim. mm	Dim. d mm	Pack Piece	Weight kg/100 pc.	Item no.
HN M6 A4	M6	10	5.2	6	100	0.250	3400173
HN M8 A4	M8	13	6.8	8	100	0.520	3400175
HN M10 A4	M10	17	8.4	10	100	1.084	3400177

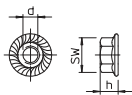


Hexagonal nut to DIN 934 with metric thread.

St G

Flange nut

Type	Dim. d mm	Dim. mm	SW mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 G	6	6	10	8	100	0.315	6408958

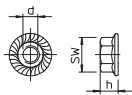
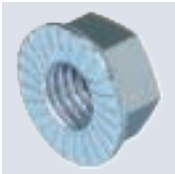


Combination nut with washer based on EN 1661.

St F

Flange nut

Type	Dim. d mm	Dim. mm	SW mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 F	6	6	10	8	100	0.315	6408962

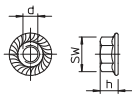


Combination nut with washer based on EN 1661.

VA 2B

Combination nut A2

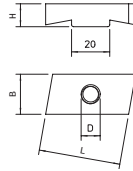
Type	Dim. d mm	Dim. mm	SW mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
KM M6 A2	6	6	10	A2-70	100	0.315	6408966



Nut with pressed washer.

Slide nut

St ZL

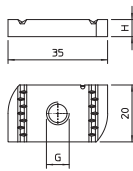


Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS40SN M6 ZL	35	17	10	M6	50	3.750	1147106
MS40SN M8 ZL	35	17	10	M8	50	3.600	1147110
MS40SN M10 ZL	35	17	10	M10	50	3.400	1147114
MS40SN M12 ZL	35	17	10	M12	50	3.160	1147118

Slide nut for use with MS4022 profile rail

Slide nut

St ZL

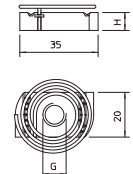


Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS41SN M6 ZL	35	20	6	M6	50	2.880	1147206
MS41SN M8 ZL	35	20	6	M8	50	2.800	1147210
MS41SN M10 ZL	35	20	8	M10	50	3.650	1147214
MS41SN M12 ZL	35	20	9.5	M12	50	4.200	1147218

Slide nut for use with MS4121 und MS4141 profile rails

Slide nut with spring

St F

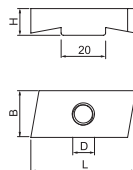


Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS41SNF M6 F	35	20	6	M6	50	3.200	1147306
MS41SNF M8 F	35	20	6	M8	50	3.150	1147310
MS41SNF M10 F	35	20	8	M10	50	4.000	1147314
MS41SNF M12 F	35	20	9.5	M12	50	4.550	1147318

Slide nut with spring for use with MS4121 und MS4141 profile rails

Slide nut

St ZL

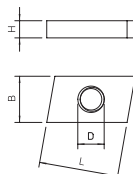


Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
MS50SN M6 ZL	43	21	12	M6	50	6.700	1147156
MS50SN M8 ZL	43	21	12	M8	50	6.550	1147160
MS50SN M10 ZL	43	21	12	M10	50	6.350	1147164
MS50SN M12 ZL	43	21	12	M12	50	6.100	1147168

Slide nut for use with MS5030 profile rail

Slide nut

St ZL



Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
ACMSN M6 ZL	26	16.5	4	M6	100	1.212	1147056
ACMSN M8 ZL	26	16.5	5	M8	100	1.640	1147060
ACMSN M10 ZL	26	16.5	6	M10	100	1.300	1147064

Slide nut for use with CM3015, CM3518 and AM3518 profile rails

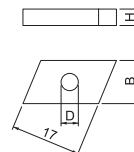
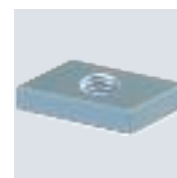


St ZL

Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
CL20SN M4 ZL	17	10.5	4	M4	100	0.525	1147008
CL20SN M5 ZL	17	10.5	4	M5	100	0.508	1147012
CL20SN M6 ZL	17	10.5	4	M6	100	0.503	1147016

Slide nut for use with CL2008 profile rail

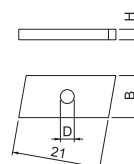
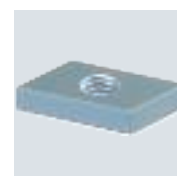


St ZL

Slide nut

Type	Length mm	Width mm	Height mm	Thread	Pack Piece	Weight kg/100 pc.	Item no.
CL27SN M4 ZL	21	10	2.5	M4	100	0.400	1147020
CL27SN M5 ZL	24.5	13	4	M5	100	0.870	1147024
CL27SN M6 ZL	24.5	13	4	M6	100	0.850	1147028
CL27SN M8 ZL	24.5	13	4	M8	100	0.800	1147032

Slide nut for use with CL2712 profile rail



Sleeves

St G

Connection sleeve

Type	Thread	Dim. L mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
CSTR M8 G	M8	24	13	50	1.880	6410081
CSTR M10 G	M10	30	17	50	4.150	6410103
CSTR M12 G	M12	40	19	25	7.000	6410111

Connection sleeve with continuous internal thread.



VA 2B

Connection sleeve

Type	Thread	Dim. L mm	SW mm	Pack Piece	Weight kg/100 pc.	Item no.
CSTR M8 A2	M8	24	13	50	1.880	6410154
CSTR M10 A2	M10	30	17	50	4.150	6410162

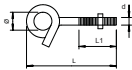
Connection sleeve with continuous internal thread.



Ceiling hook

Ceiling hook

StG



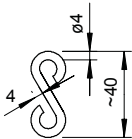
Type	Thread	Dim. d mm	Dim. L mm	Dim. L1 mm	Dimension d Ø mm	Washer Ø mm	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
948 TG6	M6	6	70	46	13	18	1	25	3.300	3453820

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

S hook

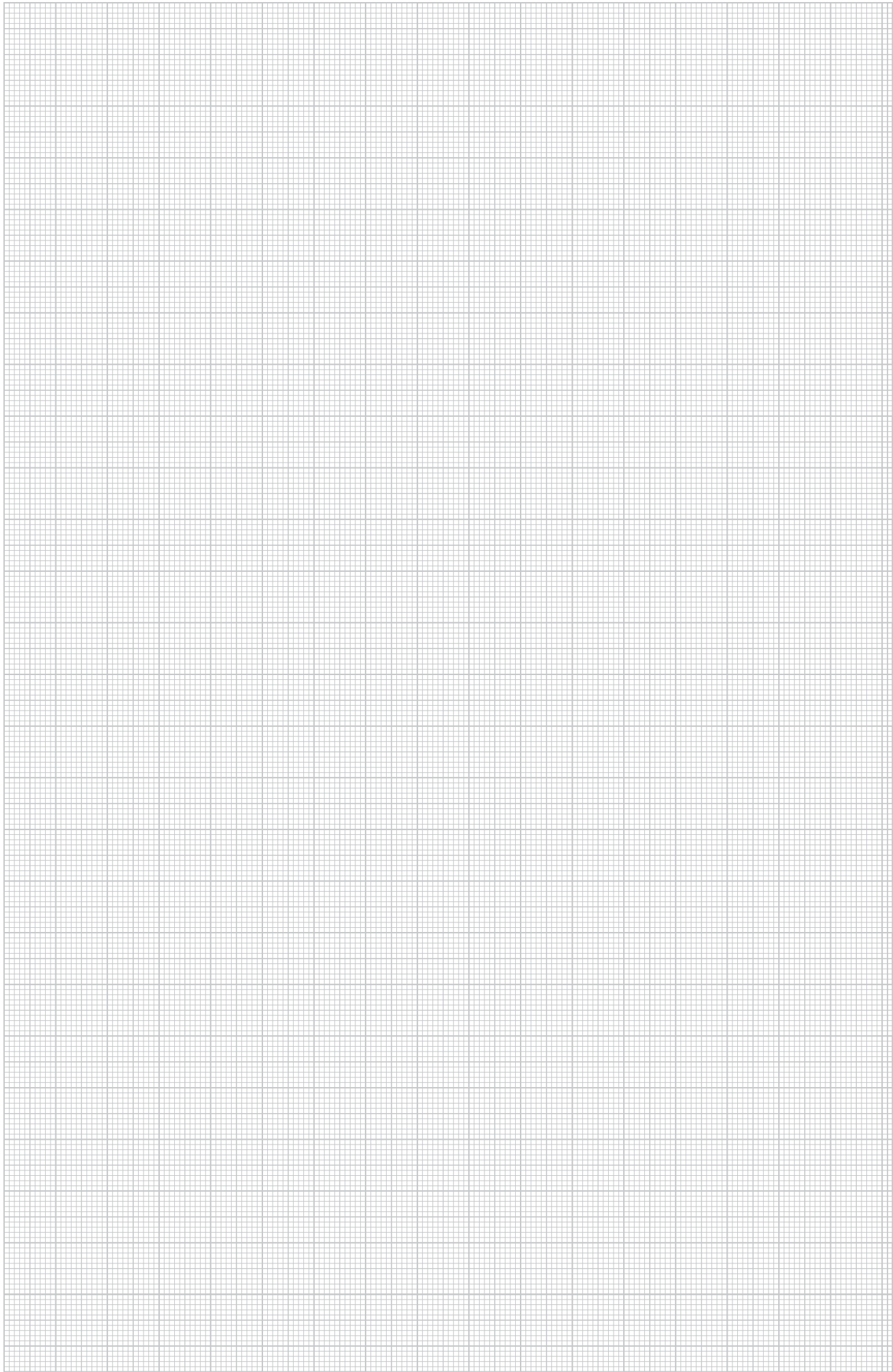
S hook

StG

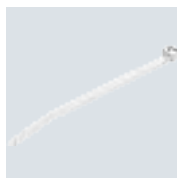
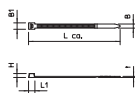


Type	Break load kN	Pack Piece	Weight kg/100 pc.	Item no.
SH 40 G	0.5	100	0.800	1488252

Connecting book of support clamps and suspension chains.



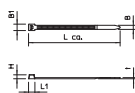
Cable tie, white



Type	Dim. B mm	Dim. L mm	Dim. t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
565 2.5x75 WS	2.5	75	1	80	15	White	100	0.020	2331800
565 2.5x100 WS	2.5	100	1	80	22	White	100	0.025	2331810
565 2.5x150 WS	2.5	150	1.3	80	39	White	100	0.047	2331816
565 2.5x200 WS	2.5	200	1.3	80	55	White	100	0.062	2331822
565 3.6x150 WS	3.6	150	1.4	180	36	White	100	0.070	2331830
565 3.6x200 WS	3.6	200	1.4	180	52	White	100	0.104	2331836
565 3.6x290 WS	3.6	290	1.4	180	82	White	100	0.140	2331842
565 3.6x365 WS	3.6	365	1.4	180	105	White	100	0.183	2331848
565 4.8x120 WS	4.8	120	1.5	220	27	White	100	0.089	2331860
565 4.8x160 WS	4.8	160	1.6	220	39	White	100	0.120	2331866
565 4.8x200 WS	4.8	200	1.6	220	52	White	100	0.149	2331872
565 4.8x300 WS	4.8	300	1.5	220	83	White	100	0.201	2331878
565 4.8x365 WS	4.8	365	1.5	220	105	White	100	0.251	2331884
565 4.8x430 WS	4.8	430	1.5	220	125	White	100	0.288	2331890
565 7.6x200 WS	7.6	200	1.8	530	52	White	100	0.287	2331910
565 7.6x300 WS	7.6	300	1.6	530	80	White	100	0.334	2331916
565 7.6x380 WS	7.6	380	1.8	530	105	White	100	0.533	2331922
565 7.6x450 WS	7.6	450	2	530	128	White	100	0.717	2331934
565 9x760 WS	9	760	2	800	227	White	100	1.311	2331944

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.

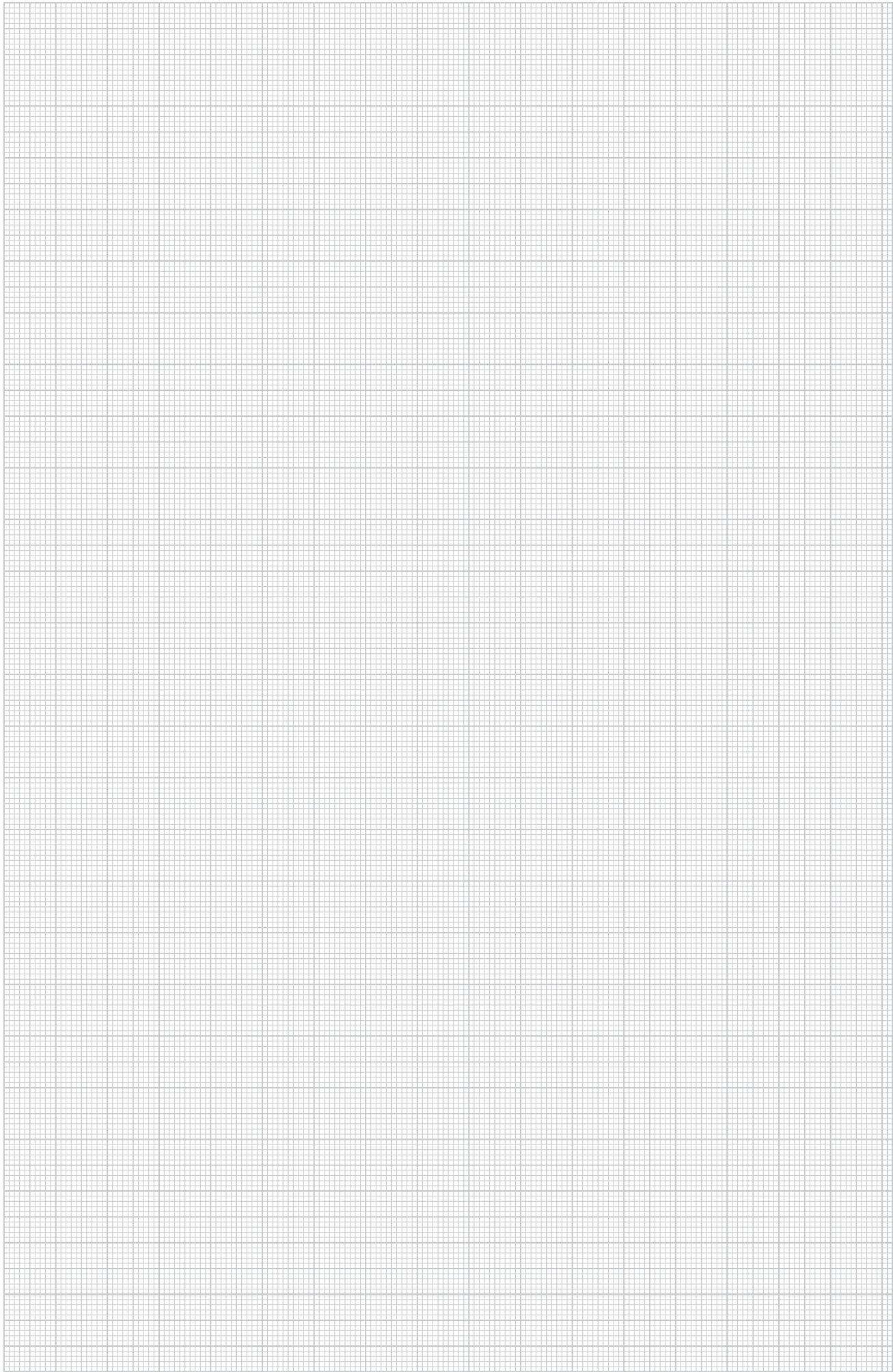
Cable tie, black, UV and weather-resistant



Type	Dim. B mm	Dim. L mm	Dim. t mm	Tensile strength N	Max. bundle Ø mm	Colour	Pack Piece	Weight kg/100 pc.	Item no.
565 2.5x75 SWUV	2.5	75	1	80	15	Black	100	0.020	2331802
565 2.5x100 SWUV	2.5	100	1	80	22	Black	100	0.025	2331812
565 2.5x150 SWUV	2.5	150	1.3	80	39	Black	100	0.047	2331818
565 2.5x200 SWUV	2.5	200	1.3	80	55	Black	100	0.062	2331824
565 3.6x150 SWUV	3.6	150	1.4	180	36	Black	100	0.070	2331832
565 3.6x200 SWUV	3.6	200	1.4	180	52	Black	100	0.104	2331838
565 3.6x290 SWUV	3.6	290	1.4	180	82	Black	100	0.140	2331844
565 3.6x365 SWUV	3.6	365	1.4	180	105	Black	100	0.183	2331850
565 4.8x120 SWUV	4.8	120	1.5	220	27	Black	100	0.089	2331862
565 4.8x160 SWUV	4.8	160	1.6	220	39	Black	100	0.120	2331868
565 4.8x200 SWUV	4.8	200	1.6	220	52	Black	100	0.149	2331874
565 4.8x300 SWUV	4.8	300	1.5	220	83	Black	100	0.201	2331880
565 4.8x365 SWUV	4.8	365	1.5	220	105	Black	100	0.251	2331886
565 4.8x430 SWUV	4.8	430	1.5	220	125	Black	100	0.288	2331892
565 7.6x200 SWUV	7.6	200	1.8	530	52	Black	100	0.287	2331912
565 7.6x300 SWUV	7.6	300	1.6	530	80	Black	100	0.334	2331918
565 7.6x380 SWUV	7.6	380	1.8	530	105	Black	100	0.533	2331924
565 7.6x450 SWUV	7.6	450	2	530	128	Black	100	0.717	2331936
565 9x760 SWUV	9	760	2	800	227	Black	100	1.311	2331946

Cable ties are used for quick, uncomplicated fixing or bundling of cables and pipes to cable support systems or other mounting structures.







Loads, installation strip

When two loads are combined, the value of the worst case applies. In addition, the table values only apply under the following conditions:

- In perforated strip 5055, loads may only be applied in the round holes.
- If placing a bolt in the last hole, always ensure that there is one

full bar left above the hole.

- The right sizes of bolt for the perforated strip must be used (M5 for size I, M6 for size II, M8 for size III).
- The bolts must be tightened. The user of smaller or loose bolts causes a strong drop in the breaking load.

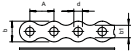


Breaking loads



Perforated steel strap, ridged

Type	Dim. d mm	Dim. b mm	Dim. A mm	Per roll m	Pack Piece	Weight kg/100 pc.	Item no.
5062 I12 FS	5	12	14	10	1	69.000	1475126
5062 II17 FS	7	17	20	10	1	98.500	1475177
5062 III26 FS	9	26	25	10	1	183.000	1475266
5062 LI12 FS	5	12	14	10	1	57.000	1475622
5062 LII17 FS	7	17	20	10	1	73.000	1475673
5062 LIII26 FS	9	26	25	10	1	153.000	1475762

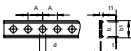


Perforated strap with wavy edges, in practical uncoiling box.



Perforated steel strap, plastic-coated

Type	Dimen- sion mm	Dim. d mm	Dim. A mm	Per roll m	Pack Piece	Weight kg/100 pc.	Item no.
5055 L PE I 14	14x3	5,2	12	10	1	70.000	1473220
5055 L PE II 19	19x3	6,5	15	10	1	100.500	1473271
5055 L PE III 28	28x3,7	8,5	20	10	1	167.500	1473360



Perforated steel strap with PE plastic jacketing.

Slotted steel straps



Slotted steel strap in strips

Type	Dimen- sion mm	Hole size mm	Length mm	Pack m	Weight kg/100 m	Item no.
OSS 20x3 3M FT	20x3	6,5x40	3000	60	35.000	1465767
OSS 30x3 3M FT	30x3	8,5x60	3000	30	53.600	1465805
OSS 40x4 3M FT	40x4	8,5x70	3000	30	101.000	1465821

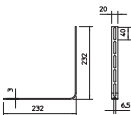


Perforated slotted steel strap in strips.



Slotted steel strap, bent

Type	Dimen- sion mm	Pack Piece	Weight kg/100 pc.	Item no.
OSG 20X3 FT	20x3	25	15.800	6017371

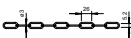


Bent slotted steel strap for creation of bends and tees.



Suspension chain

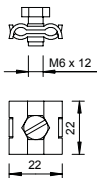
Type	Break load kN	Pack m	Weight kg/100 m	Item no.
K-C30 G	0,7	25	13.600	1488201



To suspend luminaire supports or other components.

Wire cable clamp

St G

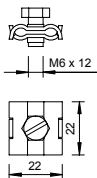


Type	For rope-Ø mm	Bolt	Pack Piece	Weight kg/100 pc.	Item no.
261 3-6 G	3-6	M6x12	100	1.498	5305012

Wire cable clamp for fastening steel wire tensioning ropes.

Wire cable clamp

VA 2B



Type	For rope-Ø mm	Bolt	Pack Piece	Weight kg/100 pc.	Item no.
261 3-6 A4	3-6	M6x12	100	1.498	5305016

The cable and pipe fastenings of the special system include cable ties, fastening straps and installation strips, with which cable and pipe installations can be fastened to cable support systems such as cable or mesh cable trays or other mounting constructions. A complete tensioning wire system to suspend and catch cable weights is also a component part of the special system.





Directories

Directories



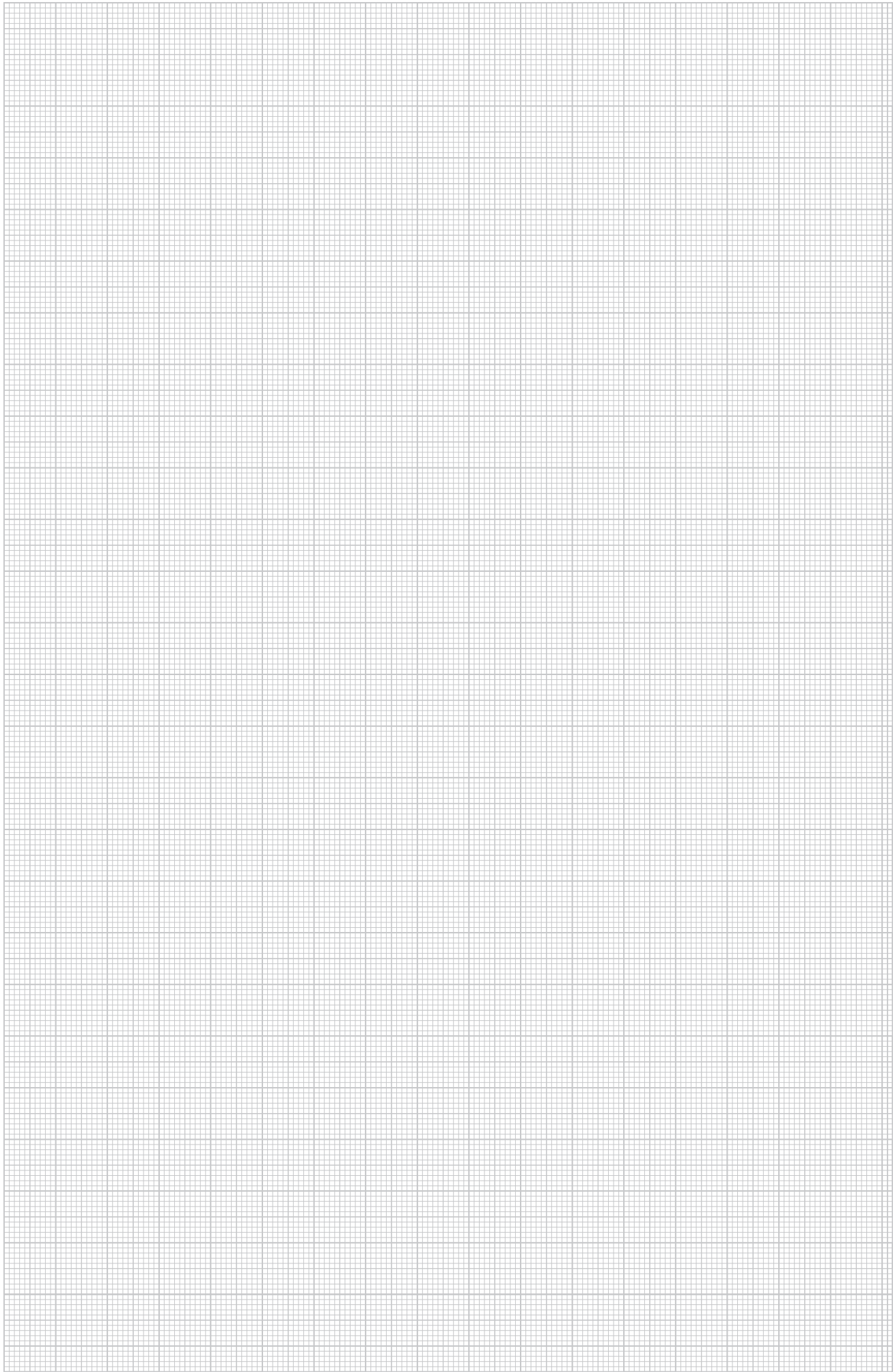
Directories

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Test marks

	American Bureau of Shipping, USA		Underwriters Laboratories Inc., USA + CSA, Canada
	AENOR, Producto Certificado, Spain		Österreichischer Verband für Elektrotechnik, Austria
	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland		INSTITUTO ITALIANO DEL MARCHO DI QUALITÀ, Italy
	Lightning current-tested		RINA 1861, Ship Classification, Certification and Services
	Lightning current-tested, Class H (100 kA)		Underwriters Laboratories Inc., USA
	CEBEC, Belgium		SEMCO An Inchcape Testing Services Company, Sweden
	Canadian Standards Association, Canada		Eidgenössisches Starkstrominspektorat, Switzerland
	DEMKO, Danmarks Elektriske Materielkontrol, Denmark		South African Bureau of Standards
	Deutsches Institut für Bautechnik Berlin, Germany		Shock-tested, Bundesamt für Zivilschutz, Germany
	Det Norske Veritas		Sähkötarastuskeskus Elinspektionscentralen Electrical Inspectorate, Finland
	ENEC Austria		Underwriters Laboratories Inc., USA
	ATEX certificate for explosive areas		Underwriters Laboratories Inc., USA
	ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, Czech Republic		Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany
	FIMKO, Finland		German Association of Electricians, tested safety
	Forschungs- und Materialprüfungsanstalt, Germany		5-year warranty
	Russia, GOST The State Committee for Standards		
	Test marks for technical resources, VDE Prüf- und Zertifizierungsinstitut Offenbach, Germany		
	Halogen-free; without chlorine, fluorine and bromine		
	INMETRO, Brazil		
	KEMA-KEUR, Netherlands		
	Indication of metric products		
	MAGYAR ELEKTROTECHNIKAI ELLENŐRZŐ INTÉZET Budapest, Hungary		
	NEMKO, Norway		
	AFNOR Quality symbol of the French standardisation institute		



Pictogram explanation

Surfaces

	Strip galvanised
	Strip galvanised/plastic-coated
	Strip galvanised zinc/aluminium, double dip
	Bright
	Bright, reworked
	Anodised
	Hot-dip galvanised
	Electrogalvanised
	Electrogalvanised/plastic-coated
	Electrogalvanised, yellow-chromated
	Electrogalvanised, yellow passivated
	Electrogalvanised, transparently passivated
	Primed
	Painted
	Welding primed
	Hot-dip galvanised
	Hot-dip galvanised 85 µm
	Copper-plated
	Nickel-plated
	Galvanised, Deltatone 500
	Galvanised, MAGNI 565
	Zinc-aluminium coated, Galfan
	Zinc scale

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

Specific product symbols

	Diameter 60 mm
	Diameter 68 mm
	Protection device to DIN EN 61643-11 or IEC 61643-11
	Transition from LPZ 2 to LPZ 3
	Acoustic signalling

Applications

	Remote signalling
	Acoustic signalling
	Integrated Service Digital Network, ISDN applications
	Digital Subscriber Line, DSL applications
	Analogue telecommunication
	Category 5 TwisterPair
	Channel Performance to American EIA/TIA standard
	Measuring, controlling and regulating systems
	TV applications
	SAT-TV applications
	MultiBase base
	LifeControl
	Intrinsically safe protection device for potentially explosive areas
	Channel Performance to ISO/IEC 11801
	Power over Ethernet
	230/400 V system
	Protection rating IP 54
	Protection rating IP 65

Lightning protection classes

	Protection device to DIN EN 61643-11 or IEC 61643-11
	Combination protection device made of type 1 and type 2
	Protection device to DIN EN 61643-11 or IEC 61643-11

Lightning protection classes

	Protection device to DIN EN 61643-11 or IEC 61643-11
	Protection device to DIN EN 61643-11 or IEC 61643-11

Lightning protection zone

	Transition from LPZ 0 to LPZ 1
	Transition from LPZ 0 to LPZ 2
	Transition from LPZ 0 to LPZ 3
	Transition from LPZ 1 to LPZ 2
	Transition from LPZ 1 to LPZ 3
	Transition from LPZ 2 to LPZ 3

BSS maintenance of electrical function installation

	Fire-tested systems
	Escape route ceiling mounting with pressure clip
	OBO Grip, wall routing type
	OBO Grip, ceiling routing type
	Pressure clip for maintenance of electrical function, ceiling mounting

BSS anchor

	Fire protection anchor
	Fire protection bolt tie

BSS test marks/material class

	Maintenance of electrical function class E30
	Maintenance of electrical function class E90

Clamp clip base shapes

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

Diameter

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

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

Gland thread

	Thread metric
	Thread Pg

Entry size

	M20 entry
	M25 entry
	M32 entry
	M40 entry

KTS side heights

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

Materials

	Flat steel
	Angular steel
	U steel
	Round material

Pictogram explanation

Nominal cross-section

	Nominal cross-section 1.5 mm²
	Nominal cross-section 1.5–2.5 mm²
	Nominal cross-section 2.5 mm²
	Nominal cross-section 2.5–4 mm²
	Nominal cross-section 4 mm²
	Nominal cross-section 4–6 mm²
	Nominal cross-section 6 mm²
	Nominal cross-section 10 mm²
	Nominal cross-section 16 mm²

Nominal voltage

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

Polarity

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

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

Screw heads

	Philips screw
	Torx screw
	Phillips screw
	Pozidriv

Firing devices

	Bolt-firing tool
	Nail device

Protection rating

	Protection rating IP 20
	Protection rating IP 30
	Protection rating IP 31
	Protection rating IP 44
	Protection rating IP 54
	Protection rating IP 55
	Protection rating IP 65
	Protection rating IP 66
	Protection rating IP 67
	Protection rating IP 68

Metals

	Aluminium
	Aluminium/steel
	Stainless steel, rustproof
	Stainless steel, rustproof
	Stainless steel, rustproof
	Copper
	Brass
	Steel
	Malleable iron
	Die-cast zinc

Plastics

	Acrylonitrile butadiene styrene
	Duroplast, Aminoplast, type 131.5
	Duroplast, melamine resin, type 150
	Ethylene vinyl acetate



Plastics

FA	Fibre-proof material DIN 28091
GFK	Fibreglass-reinforced plastic
NBR SBR	Rubber mixture
NBR	Nitrile rubber
PETR	Petrolatum
PA	Polyamide
PA/ GF	Polyamide, fibre-glass reinforced
PBPT	Polybutylene terephthalate
PC	Polycarbonate
PE	Polyethylene
PP	Polypropylene
PP/GF	Polypropylene, fibre-glass reinforced
PS	Polystyrene
PVC	Polyvinylchloride
ZELL PE	Cellular polyethylene



Numeric directory

GTIN	Item no.	Page	GTIN	Item no.	Page	GTIN	Item no.	Page	GTIN	Item no.	Page	GTIN	Item no.	Page
5038238	/100 pc. 1104241	411	5049210	price/100 1121464	421	5785316	/100 pc. 1124555	436	6490066	/100 pc. 1148310	543	6502790	/100 pc. 1483757	446
5038290	1104268	411	5419686	1121466	421	5785323	1124563	436	6490073	1148314	543	6502806	1483761	446
5038351	1104284	411	5462491	1121472	421	5486008	1124641	438	6490080	1148318	543	6502837	1483763	446
5836353	1104292	411	5049272	1121480	421	5486015	1124643	438	6490110	1148322	543	6502844	1483765	446
5038412	1104306	411	5049333	1121499	421	5486022	1124645	438	6490127	1148326	543	6502851	1483771	446
5036678	1104310	411	5049937	1121898	419	5486039	1124647	438	6490134	1148330	543	6502868	1483773	446
5036739	1104315	411	5049999	1121901	420	5486046	1124649	439	6490141	1148334	543	6503704	1483775	446
5036791	1104320	411	5050179	1121960	420	5486053	1124651	439	6490172	1148338	543	6503148	1483811	446
5036852	1104325	411	5050230	1121979	419	5486060	1124653	439	6490189	1148342	543	6503155	1483813	446
5038474	1104349	412				5486077	1124655	439	6490196	1148376	544	6503162	1483815	446
5038535	1104357	412	5050735	1122483	431	5486084	1124657	439	6490202	1148380	544	6503193	1483821	446
5038597	1104373	412	5050742	1122487	431	5486091	1124659	440	6490233	1148384	544	6503209	1483823	446
5052814	1104391	412	5487272	1122606	427	5486107	1124661	441	6490240	1148388	544	6503216	1483825	446
5038658	1104403	412	5487876	1122622	427	5486114	1124663	441	6490257	1148392	544	6503223	1483831	446
5486190	1104411	412	5488170	1122657	427	5486138	1124667	440	6490264	1148396	544	6503254	1483833	446
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6417131	2331850	554	5882886	3141330	385	5301813	3404129	547	6842681	3498160	525	6397693	6000515	196
6417155	2331860	554	6096909	3141339	385	5301936	3404331	548	6842575	3498170	524	6397709	6000775	196
6417162	2331862	554	6098385	3141482	385	5301998	3404358	548	6842582	3498172	524	6622108	6000909	197
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