



Welded cable ladders

Stably welded, extremely robust



Pure cable ladder competence from OBO

Electricians have placed their trust in OBO Bettermann cable ladders for decades. The portfolio ranges from riveted to welded cable ladders, which are used in millions of industrial systems throughout the world. Customers can always rely on the robust and easy-to-mount structure of each individual component.



Welded cable ladders

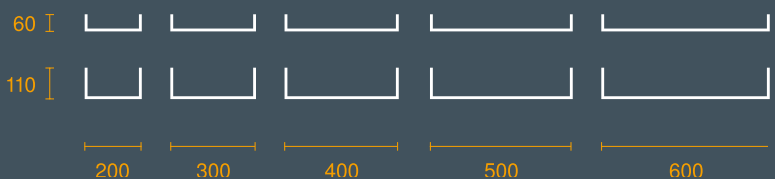
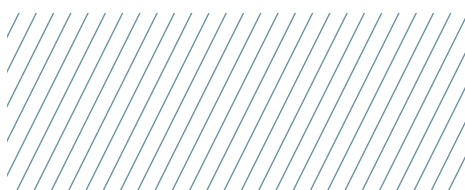
OBO is continuously thinking ahead for its customers and has now reinvented and perfected the welded cable ladder. Thanks to the special shape and innovative rung, the welded cable ladder can offer special technical properties and benefits during mounting. The range of materials is broad: strip and hot-dip galvanised, A2 and A4 rustproof stainless steel and powder-coated versions are available.

FS

FT

A2

A4



High-resistance connection, sufficient installation space

The highest stability, combined with the optimum space for vertical and horizontal cable assignment – this was our target in developing the new generation of welded cable ladders. The result is certainly impressive.

Highly resistant

The rungs are welded to the lower flange. The firmly bonded connection is highly resistant and can also withstand the greatest loads. The flush connection of the rung with lower flange guarantees optimum force transmission.



Practical covers

For horizontal installation, a cover on top protects the cables against dust and dirt.

Volume

The special position of the rung offers an additional benefit: Thanks to the welding of the rung to the lower flange, the cable ladder offers additional installation space for cables.



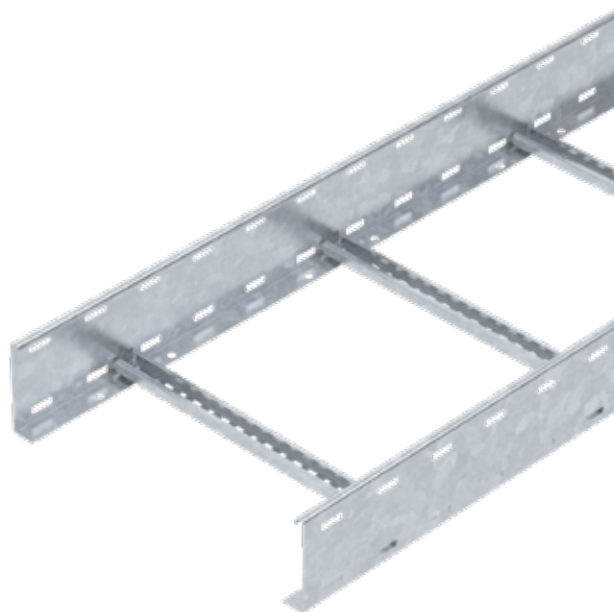
Tested

Stability and reliable corrosion protection – even at the welding points. Both properties were tested in comprehensive testing in OBO's own BET Test Centre. Our cable ladders had no trouble in withstanding the salt spray and load tests.



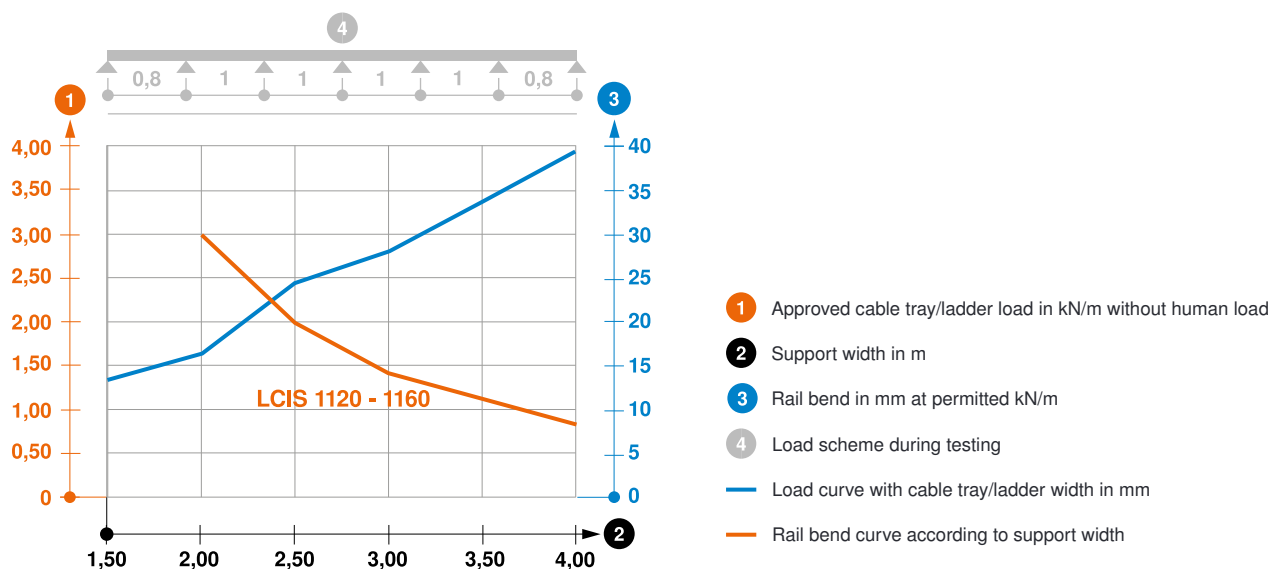
LCIS cable ladder

Welded, light-duty cable ladder for the horizontal routing of cables according to DIN EN 61537. The light-duty cable ladder can be used in indoor and outdoor areas and is suitable for wall and ceiling mounting on support systems. Additional properties: screw connection, perforated and reinforced C-profile rung, assignable on both sides, with continuous rail perforation for connector and accessory mounting.



- Available in two different heights: 60 mm and 110 mm
- Available in lengths of up to 6 m
- Selection of various surfaces

Load diagram, cable ladder, type LCIS 110



Height	Widths	Surfaces	Lengths
60 mm	200–600 mm	FS, FT, A2, A4	3 m, 6 m
110 mm	200–600 mm	FT	6 m

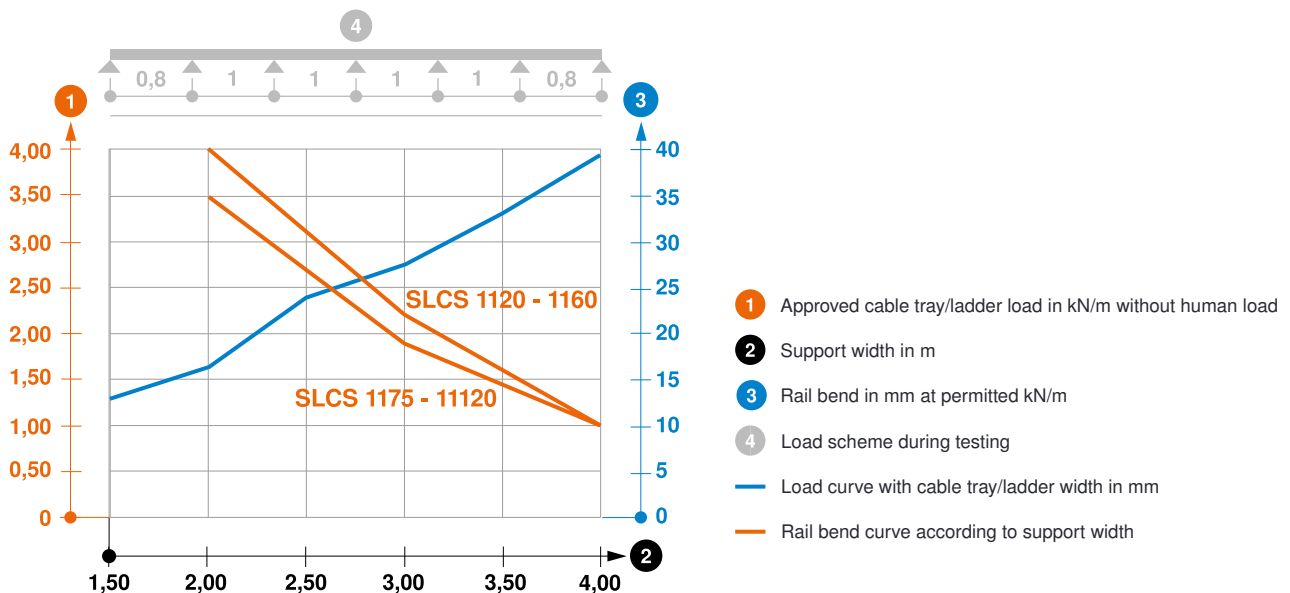
SLCS cable ladder

Welded, heavy-duty cable ladder for the horizontal routing of cables according to DIN EN 61537. The heavy-duty cable ladder can be used in indoor and outdoor areas and is suitable for wall and ceiling mounting on support systems. Additional properties: screw connection, unperforated and reinforced C-profile rung, assignable on both sides, with continuous rail perforation for connector and accessory mounting.



- Up to 400 kg per metre
- Available in widths of up to 1,200 mm
- Additionally with particularly high corrosion protection in FTSO

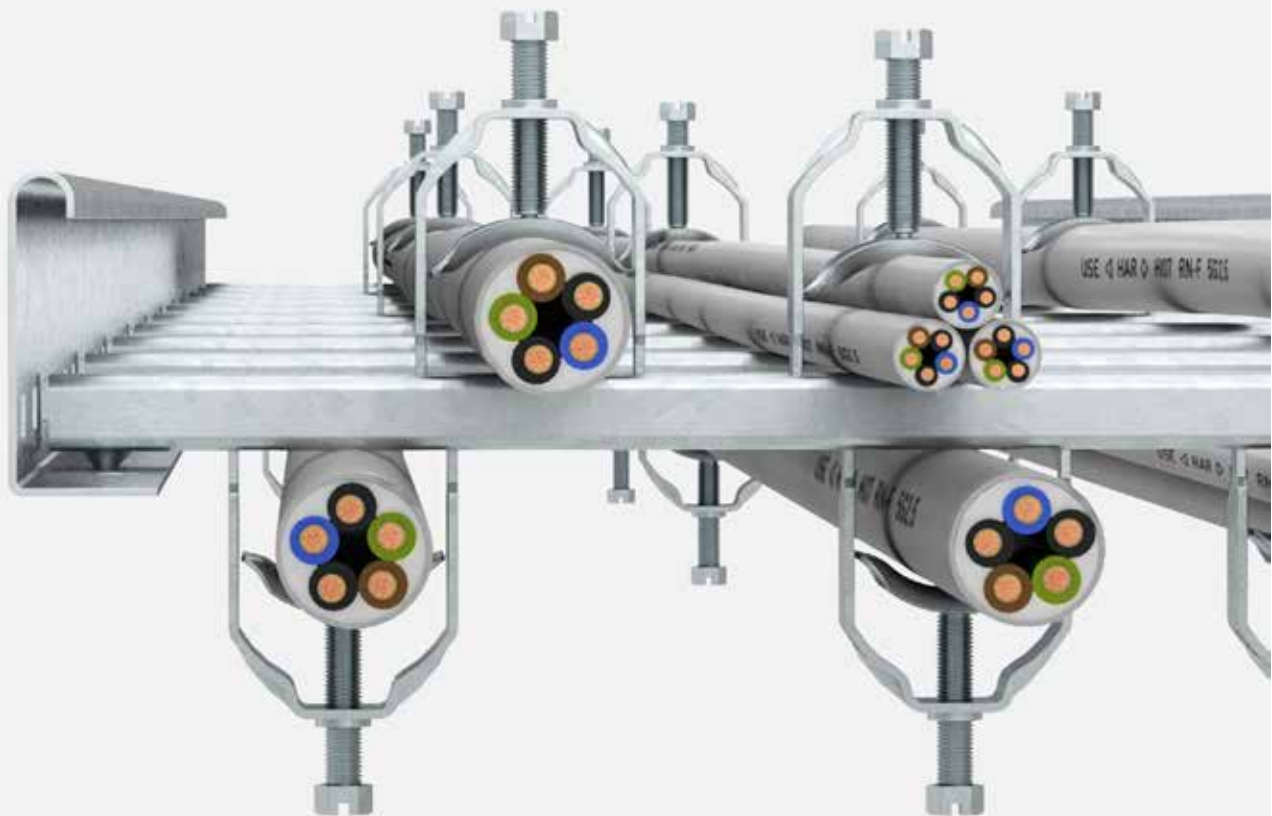
Load diagram, cable ladder, type SLCS 110



Height	Widths	Surfaces	Lengths
110 mm	200–1,200 mm	FT, FTSO	3 m

Innovative rung

OBO has reinvented the rung and had it patented. Its well-thought-out hole pattern is perfectly tailored to the requirements of all kinds of industrial installations. The special feature: The rungs can be filled on both sides. This means that the ladder can be equipped flexibly whilst its carrying capacity can be used to the optimum. This means that smaller ladder widths are often sufficient during mounting.



Rung – reinvented

The double-sided filling of the rungs allows flexible installation and offers the maximum of installation space. The rungs are perfectly matched to the fastening elements (e.g. to the clamp clip, type 2056).



One rung for every eventuality

The innovative rung is used in the entire cable ladder system up to a width of 600 mm.



Perfectly matched wall mounting

The welded cable ladder offers major benefits in horizontal and freestanding mounting. Even with wall mounting, the cable ladder presents a practical installation advantage.

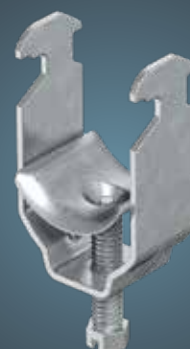
Room to breathe

During wall mounting, the well-thought-out construction of the cable ladders offers a distance of approx. 5 millimetres between the rung and the wall. This provides space during the installation.



Wide range of clamp clips

With a wide range of variants and sizes, OBO can offer the right clamp clip for any installation situation. An example: In areas with special requirements, such as those in industrial environments, clamp clips with a metal trough can be used.



Perfectly matched fittings

The fittings of the cable ladder system are the next logical addition to the section material. They are also machined with welded rungs and are supplied in the materials and surfaces of the cable ladders.

Continuous perforation

Thanks to the innovative rung, the fittings can also be filled on both sides. The continuous perforation allows the use of a wide range of OBO clamp clips.

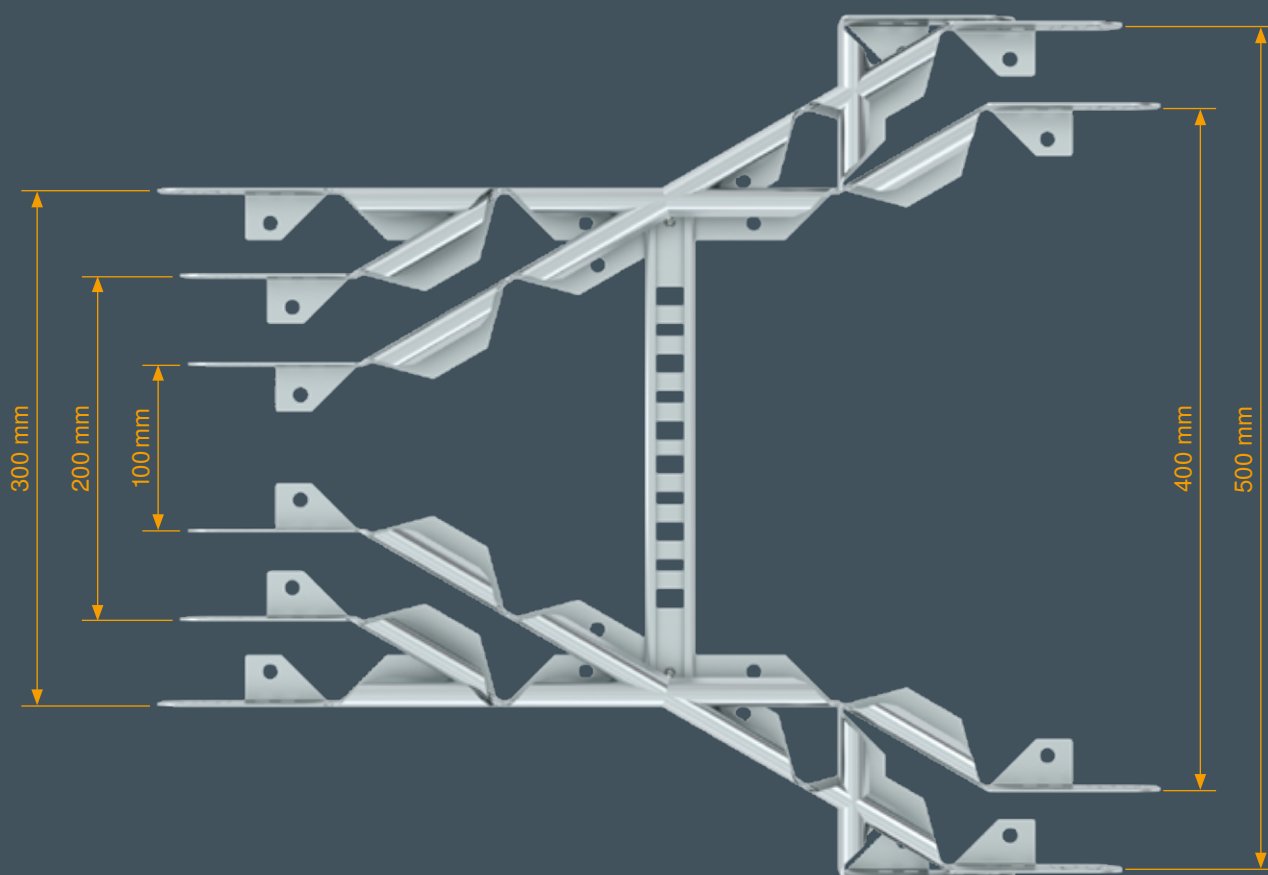


Simple handling

An optimised standard radius of 300 mm instead of the previous 490 mm makes the fittings more compact and thus easier to use.

One for all – the multifunctional connector

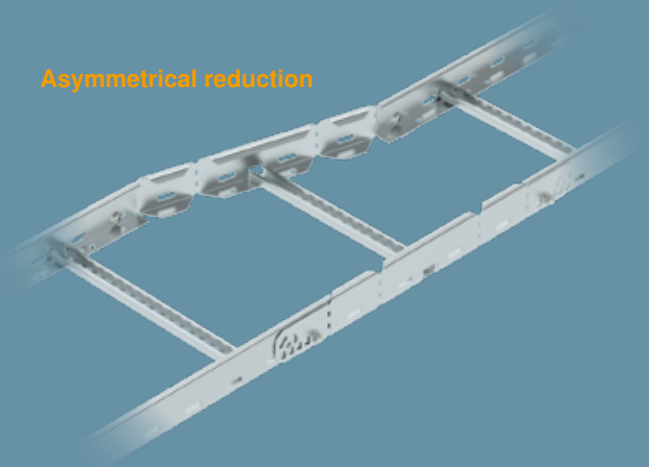
With the component from OBO, cable ladders can be simply interconnected, whilst also flexibly implementing changes in shape and direction.



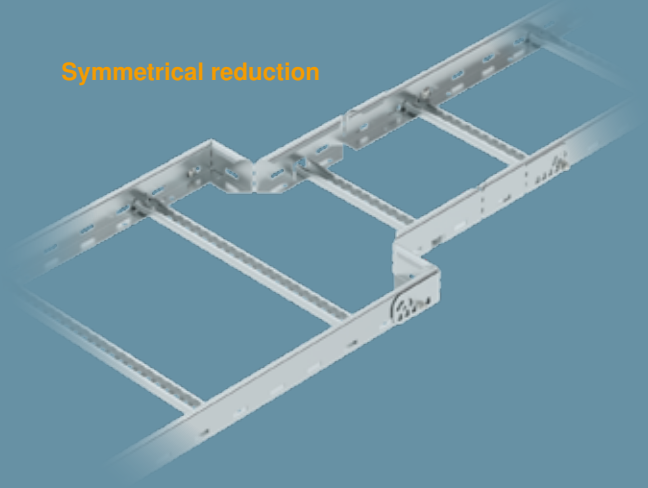
Extraordinarily flexible

The side rails of the multifunctional connector can be adjusted to any angle and any installation situation, so that both symmetrical and asymmetrical reductions are possible.

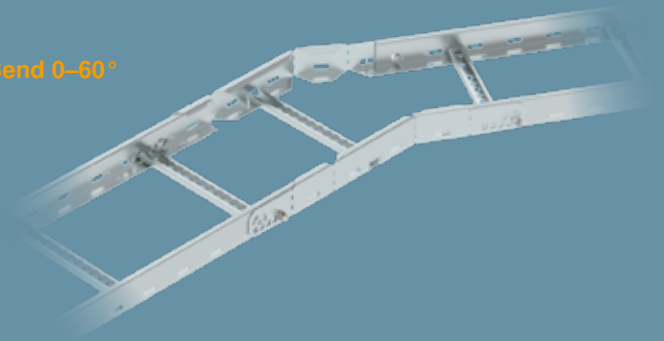
Asymmetrical reduction



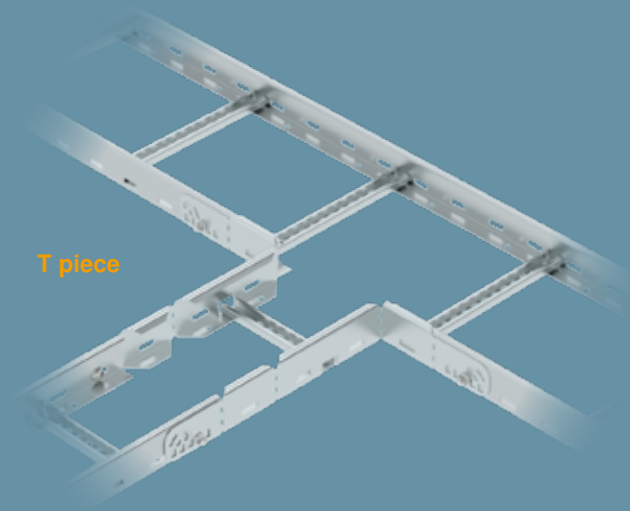
Symmetrical reduction



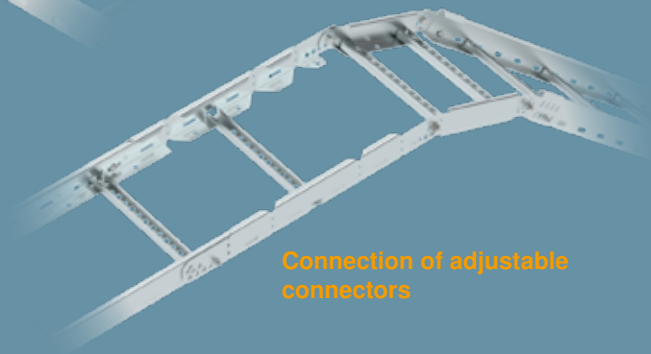
Bend 0–60°



T piece

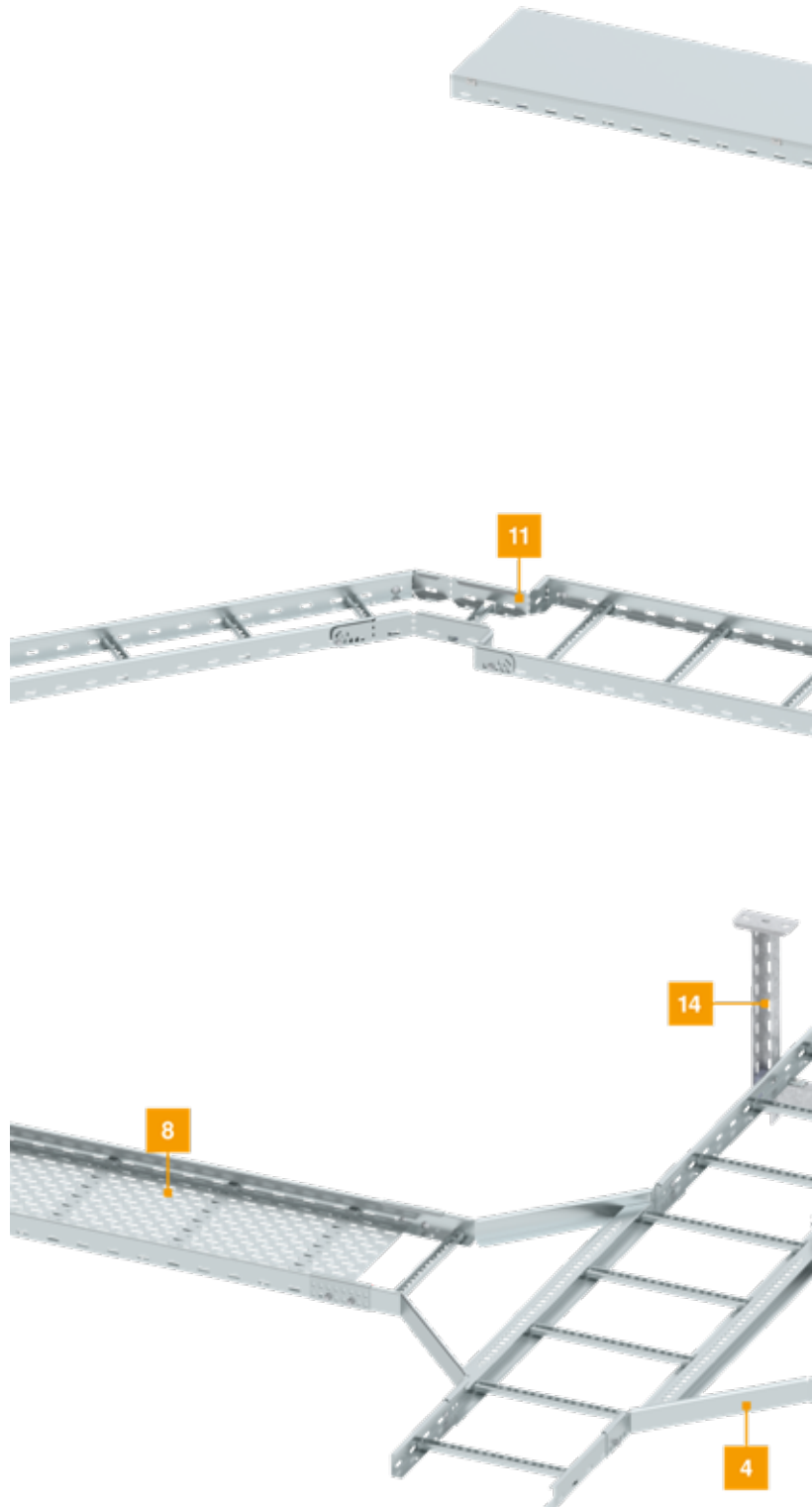


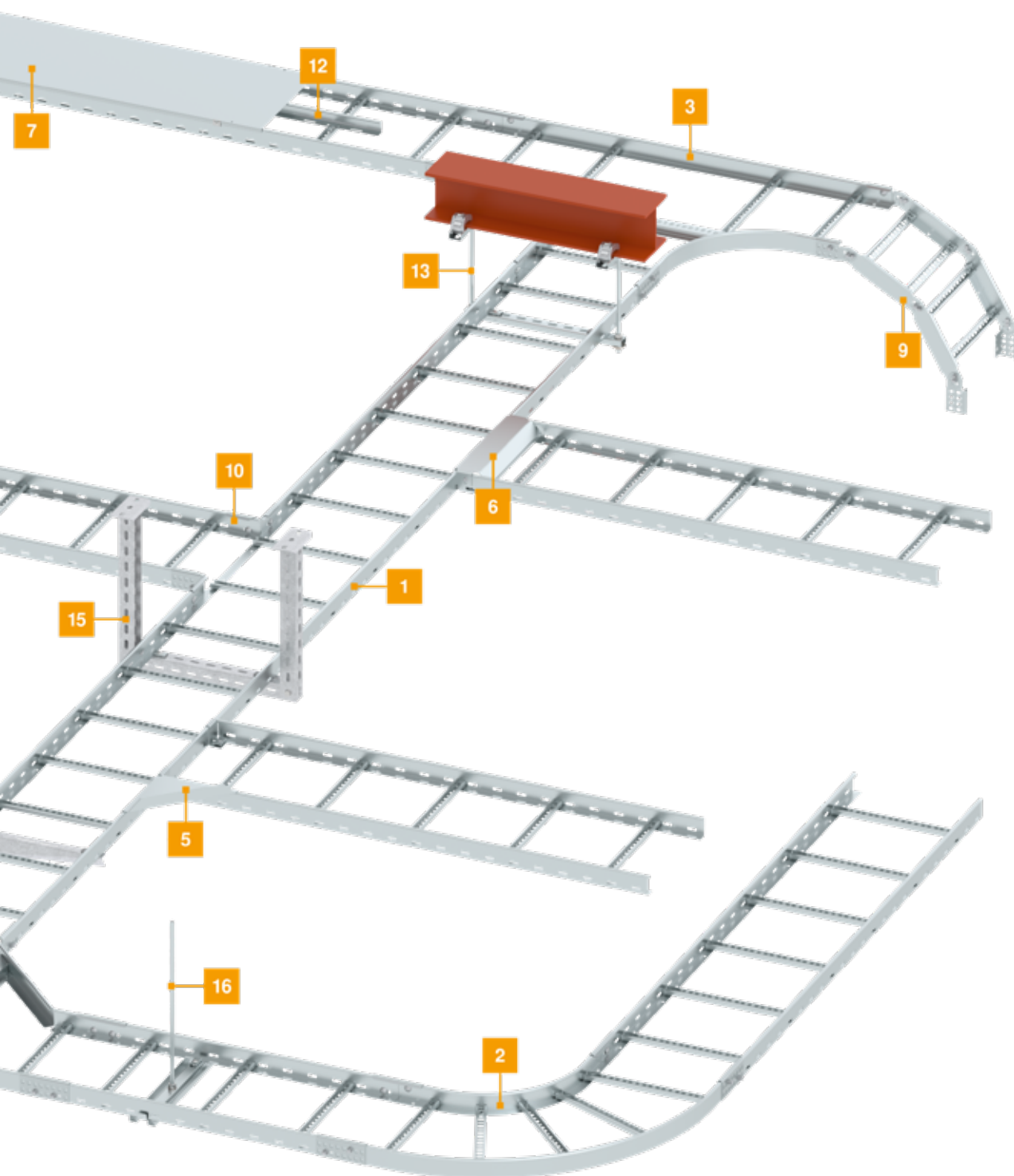
Connection of adjustable connectors



Installation principle: welded cable ladders

- 1 Cable ladders
- 2 90° bend
- 3 T piece
- 4 Add-on tee
- 5 Connection piece
- 6 Support plate
- 7 Cover
- 8 Floor plate
- 9 Adjustable bend element
- 10 Angle connector
- 11 Multifunctional connector
- 12 Barrier strip
- 13 Pendulum suspension with threaded rods
- 14 Suspension with U supports
- 15 Suspended support + bracket
- 16 Centre suspension of threaded rod





Tested safety

The BET Test Centre

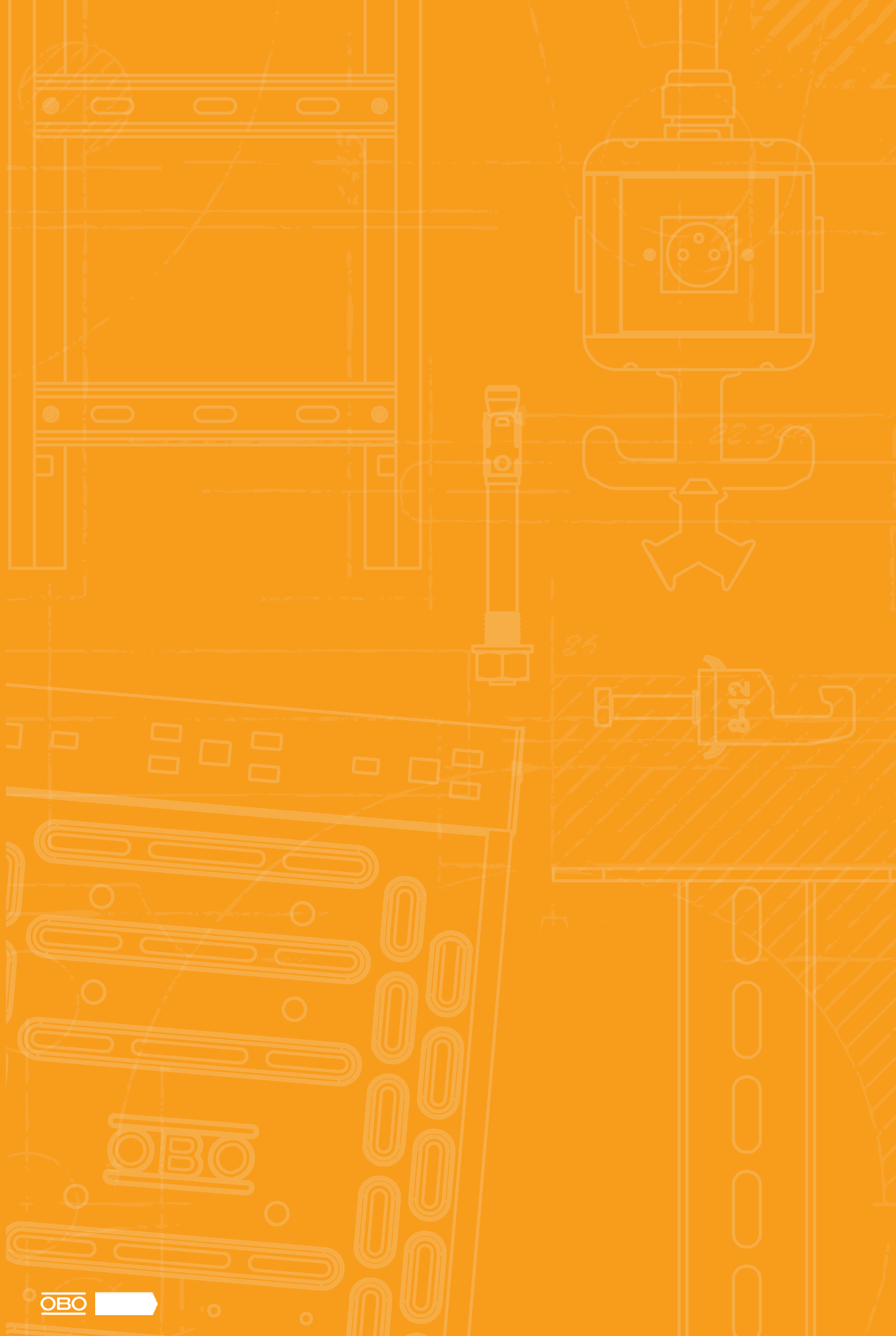
In the in-house BET Test Centre, OBO simulates the loads which the cable ladder system must withstand continuously. We determine the maximum load capacity and carrying capacity of the system, as well as its resistance to corrosion. We are able to prove standardised testing of EMC properties using test reports. In other words, OBO places paramount importance on safety.

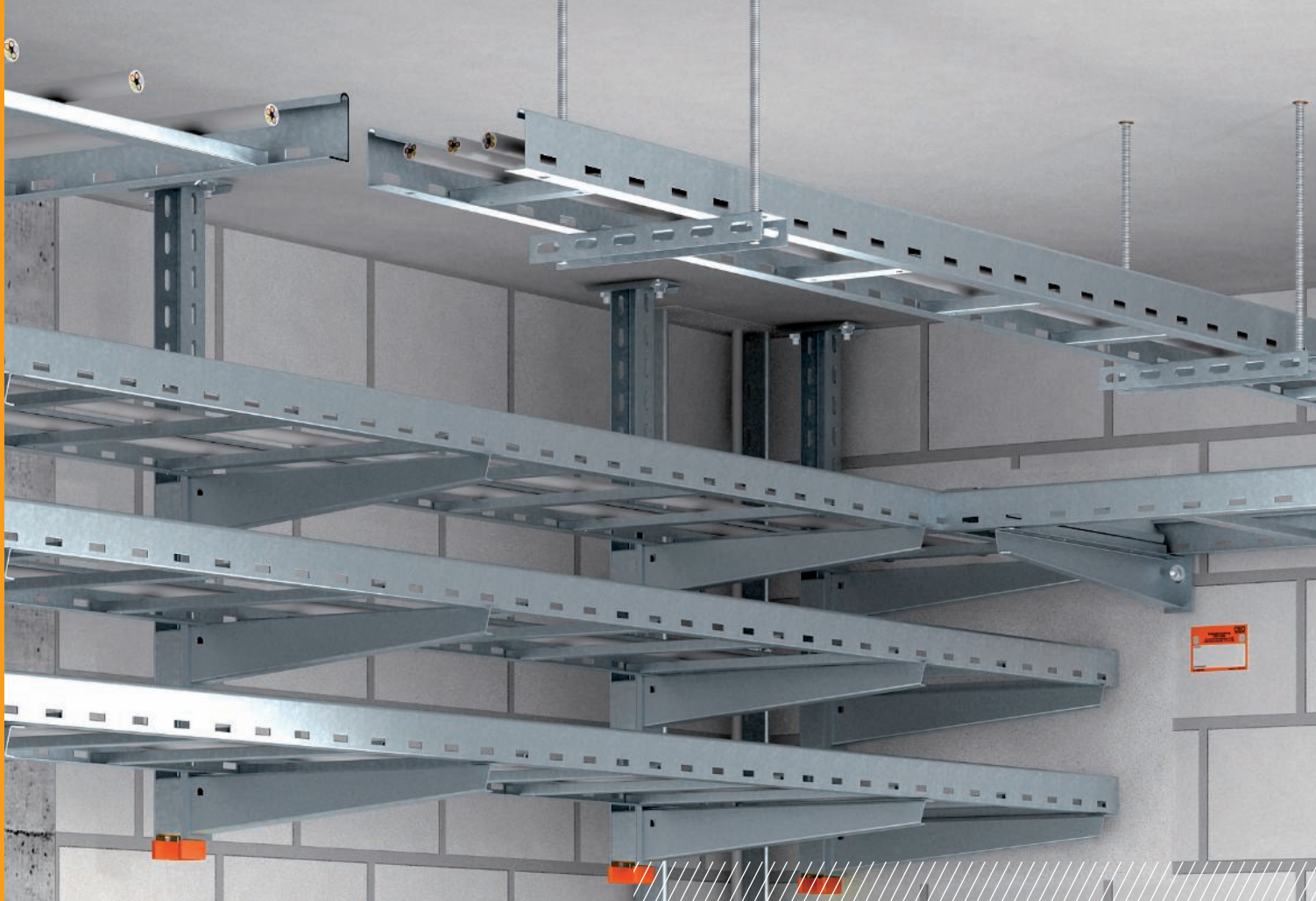


KTS testing system

The KTS testing system was specially constructed for the testing of OBO Bettermann cable support systems. Thanks to its continuous further development and adaptation to the latest requirements, it can offer comprehensive testing options. For example, the tests required by DIN EN 61537 can be carried out. Here, a safe working load (SWL) is proven, which represents the reliable stability of the systems.

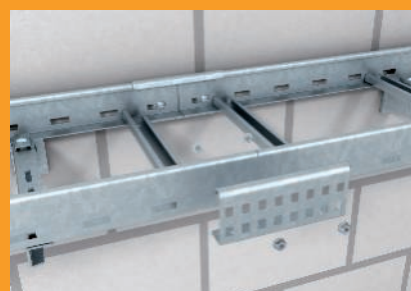
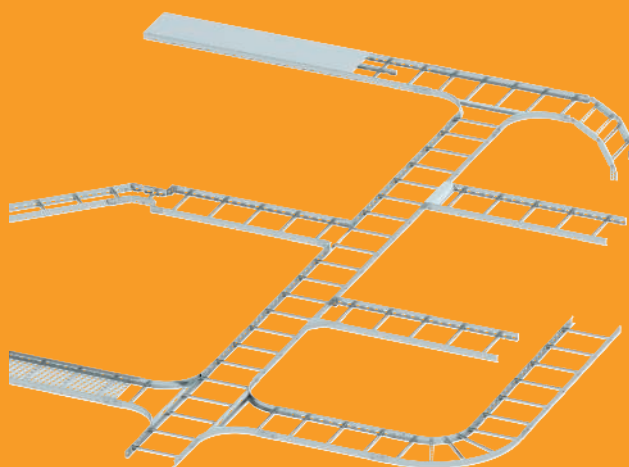






Riveted cable ladder systems

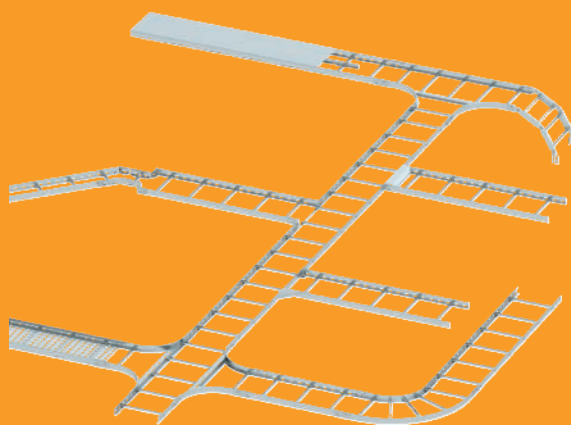
The high load capacity and good ventilation of the OBO cable ladder systems can offer tangible benefits, in particular during the installation of power cables. OBO Bettermann's cable ladder systems can be used universally and, due to the continuous rail and rung perforation, can offer countless installation 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.





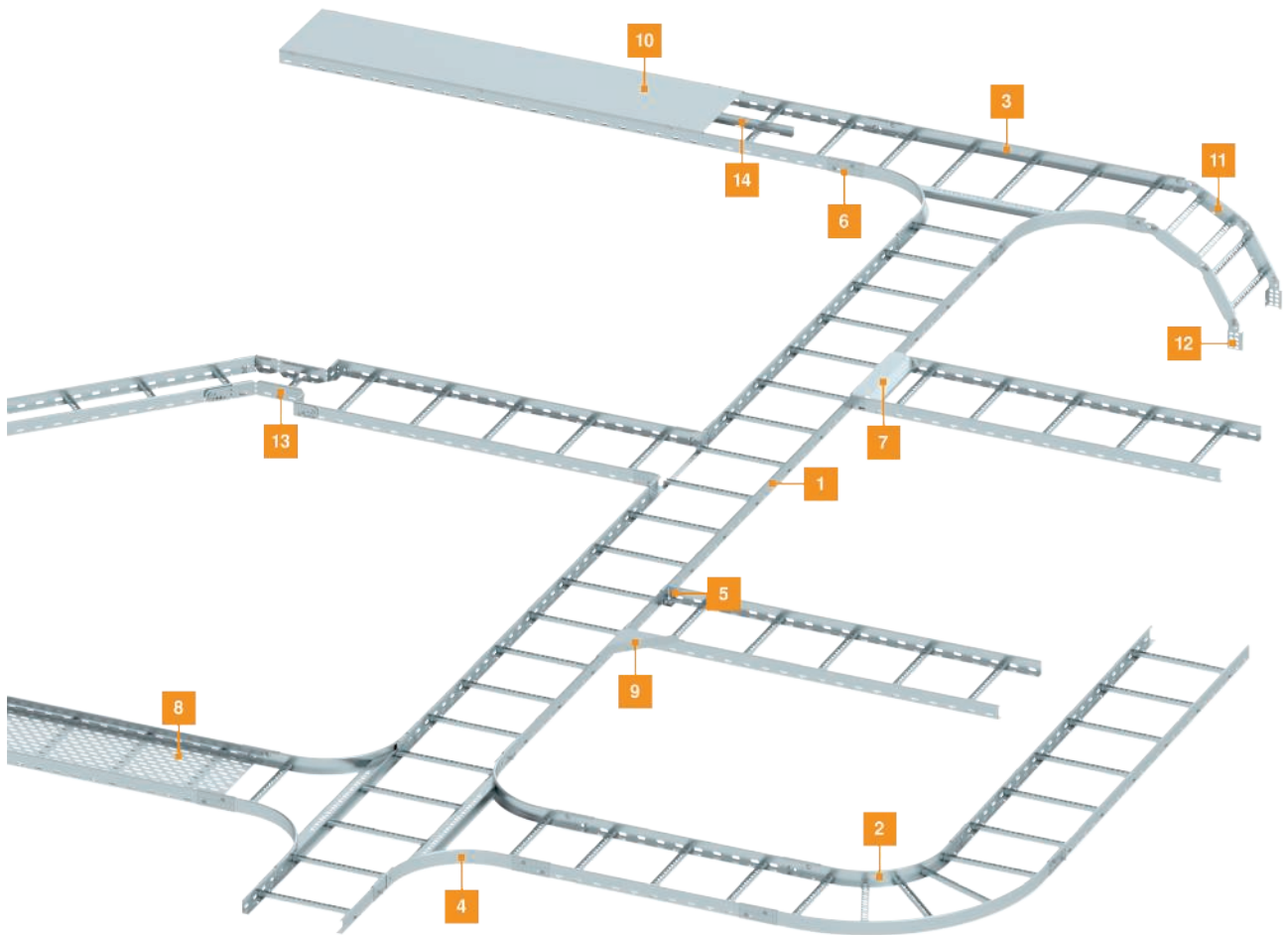
Welded cable ladder systems

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Riveted cable ladder systems

Installation principle

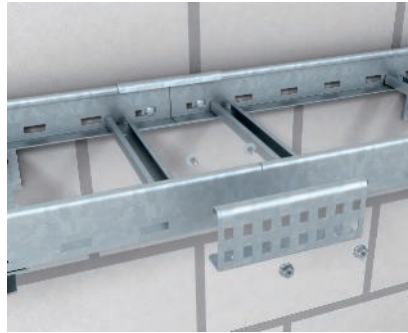


1	Cable ladders	11	Adjustable bend element
2	90° bend, welded	12	Adjustable connector
3	Tee, welded	13	Multifunctional connector
4	Add-on tee, welded	14	Barrier strip
5	Connection piece		
6	Straight connector		
7	Support plate		
8	Insertion plate		
9	Corner plate		
10	Cover with cover clamp		

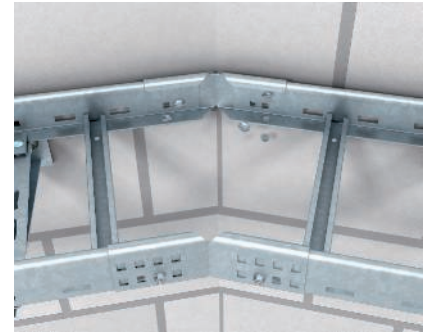
Mounting aid



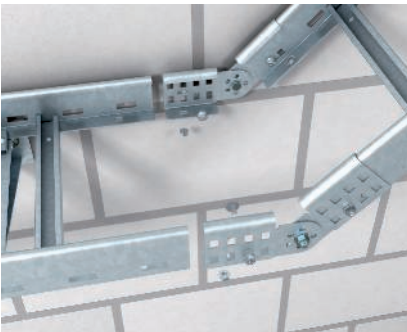
Jump application
Implementation of vertical jumps with adjustable connectors, e.g. for ceiling joists.



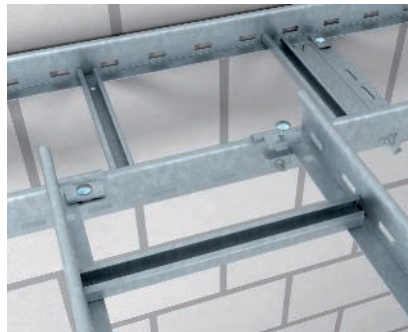
Straight connection of cable ladders
Straight connection of cable ladder with straight connector, type LVG.



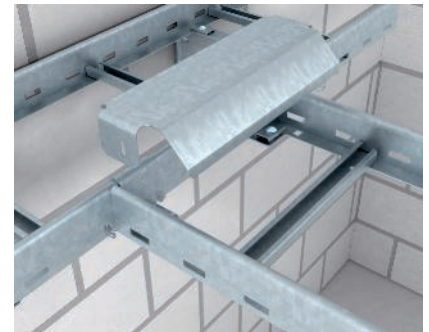
Horizontal angle connection of cable ladders
Horizontal angle connection with straight and angle connectors, type LWVG.



Vertical angle connection of cable ladders
Creation of a vertical angle connection using adjustable connectors, type LGVG.



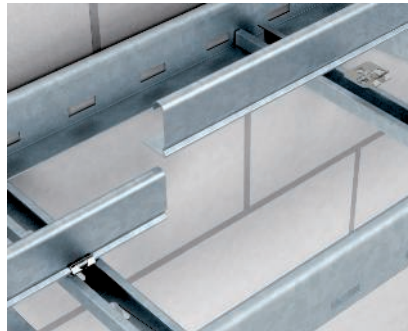
Installation of tee
Creation of a horizontal tee exit of two cable ladders at different heights. The support angle, type LAW, is required to fix two cable ladders.



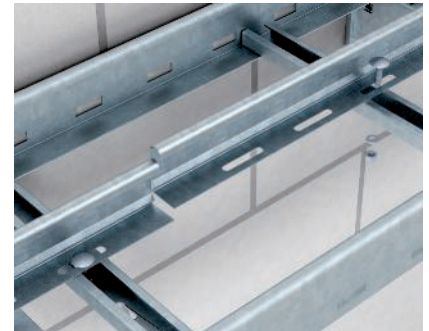
Tee with support plate
Creation of horizontal tees for cable ladders running at the same height. To increase the cable supporting surface and to protect the cables, use support plates, type LALB. Additional supports should be planned for the area of the exits.



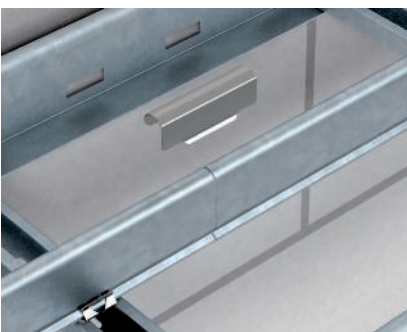
Vertical cable exit
The exit plate, type LAB, is used to increase the cable supporting surface for vertically exiting cables and as cable protection.



Screwless barrier strip fastening
Screwless fastening of a barrier strip in cable ladders with hold-down clamp, type KS KL.



Screwed barrier strip fastening
Screwed mounting of the TSG barrier strip through the perforated rung of the cable ladders.



Straight barrier strip connection
Screwless straight connection of barrier strips in cable ladders using the barrier strip TSGV.



Installation of insert plate
Installation of insert plates, type ELB-L.

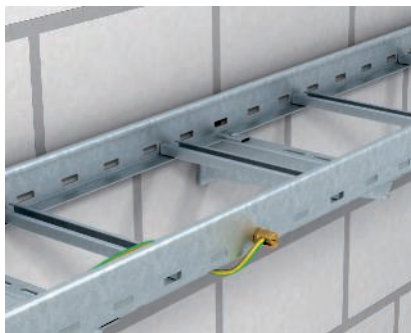


Cover mounting
Covers for cable trays and cable ladders can be extended to a locking cover using the cover clamp DK DRLU A2.



Cable ladder hold-down clamp

Cable ladder hold-down clamp KLL for direct mounting of cable ladders to steel girders.



Earthing terminal/earth connection

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

Mounting aid



Adjustable vertical bend

Adjustable bend from adjustable bend elements of the type LGBE with adjustable connector for the bridging of height offsets.



Tee

Creation of a one-sided branch with a tee of the type LAA.



Add-on tee, symmetrical

Mounting two add-on tees, type LAA, on a cable ladder as symmetrical cross-over.



Mounting of a tee

Mounting of a tee of the type LT to create a one-sided branch for cable ladders.



90° bend

Connection of two cable ladders at a horizontal 90° angle with a bend, type LB 90.



Multifunctional connector for cable ladders

Creation of a one-sided branch with a multifunctional connector of the type LMFV.

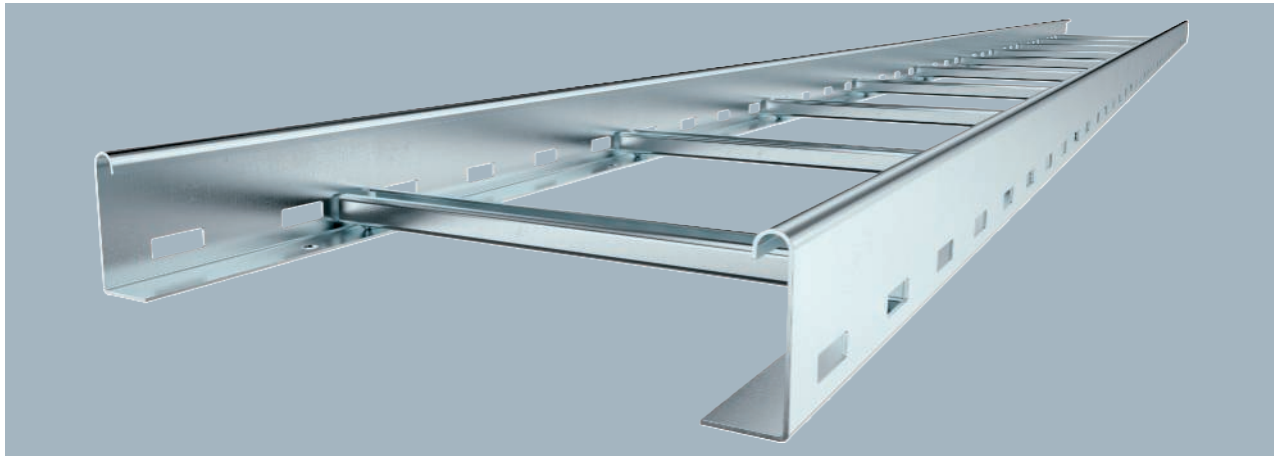


Multifunctional connector for cable ladders

Creation of a reduction, including 45° angle, using a multifunctional connector, type LMFV.

Cable ladder LCIS 60, 3 m C30

St FS

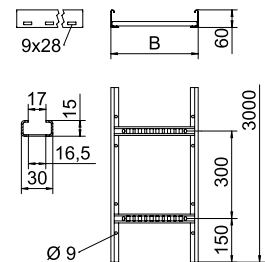


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 3 FS	200	3	266.670	6209610
LCIS 630 3 FS	300	3	288.670	6209612
LCIS 640 3 FS	400	3	310.340	6209614
LCIS 650 3 FS	500	3	332.340	6209616
LCIS 660 3 FS	600	3	354.000	6209618

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 hold-down clamps, 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

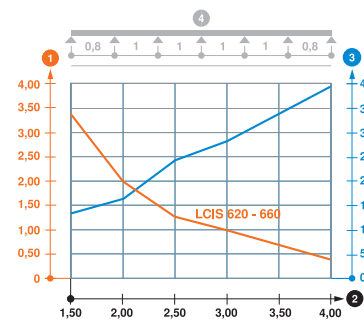


Load

	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 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

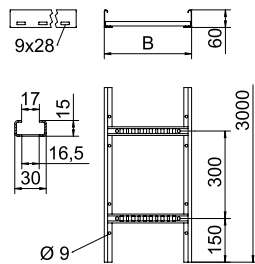




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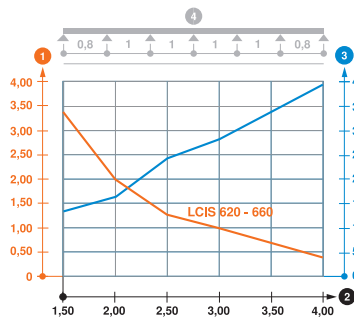
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 3 FT	200	3	283.000	6209721
LCIS 630 3 FT	300	3	306.000	6209723
LCIS 640 3 FT	400	3	329.340	6209725
LCIS 650 3 FT	500	3	352.340	6209727
LCIS 660 3 FT	600	3	375.340	6209729

Dimensions



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

Load



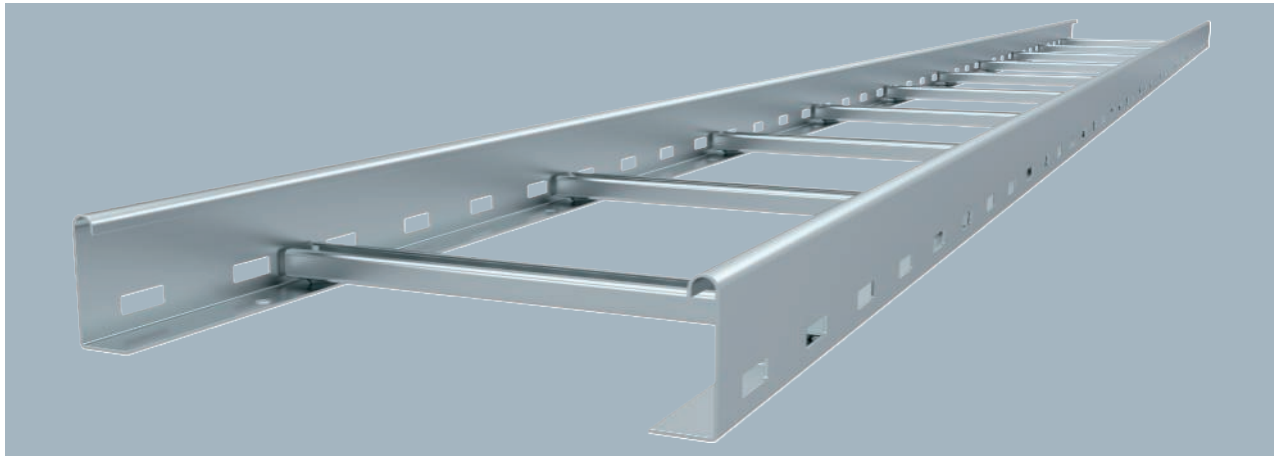
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 3 FT	3.3	2	1.3	1	0.4
LCIS 630 3 FT	3.3	2	1.3	1	0.4
LCIS 640 3 FT	3.3	2	1.3	1	0.4
LCIS 650 3 FT	3.3	2	1.3	1	0.4
LCIS 660 3 FT	3.3	2	1.3	1	0.4

Load diagram LCIS 60

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- Strut bend curve according to support width

Cable ladder LCIS 60, 6 m C30

St FS

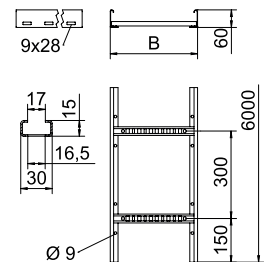


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 FS	200	6	267.170	6209630
LCIS 630 6 FS	300	6	288.840	6209632
LCIS 640 6 FS	400	6	310.670	6209634
LCIS 650 6 FS	500	6	332.340	6209636
LCIS 660 6 FS	600	6	354.000	6209638

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 hold-down clamps, 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 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

Dimensions

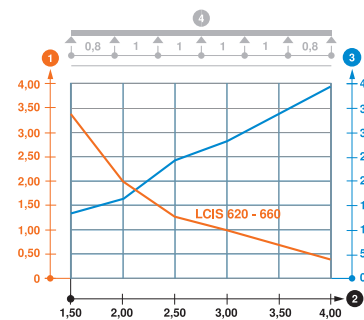


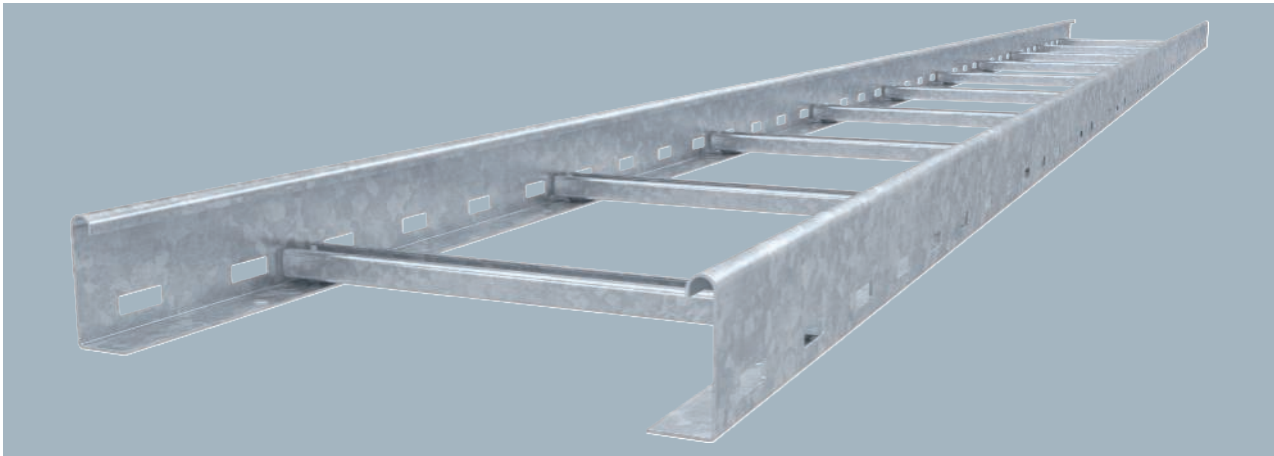
Load

	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

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- ① Permitted cable tray/ladder load in kN/m without man load
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- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

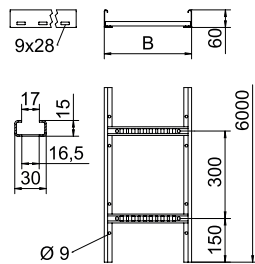




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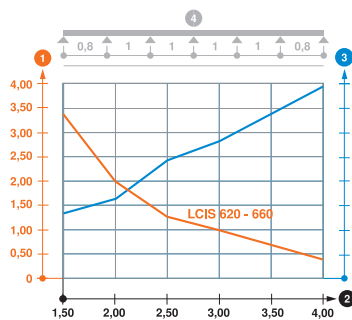
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 FT	200	6	283.170	6209643
LCIS 630 6 FT	300	6	306.170	6209645
LCIS 640 6 FT	400	6	329.170	6209647
LCIS 650 6 FT	500	6	352.340	6209649
LCIS 660 6 FT	600	6	375.340	6209651

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

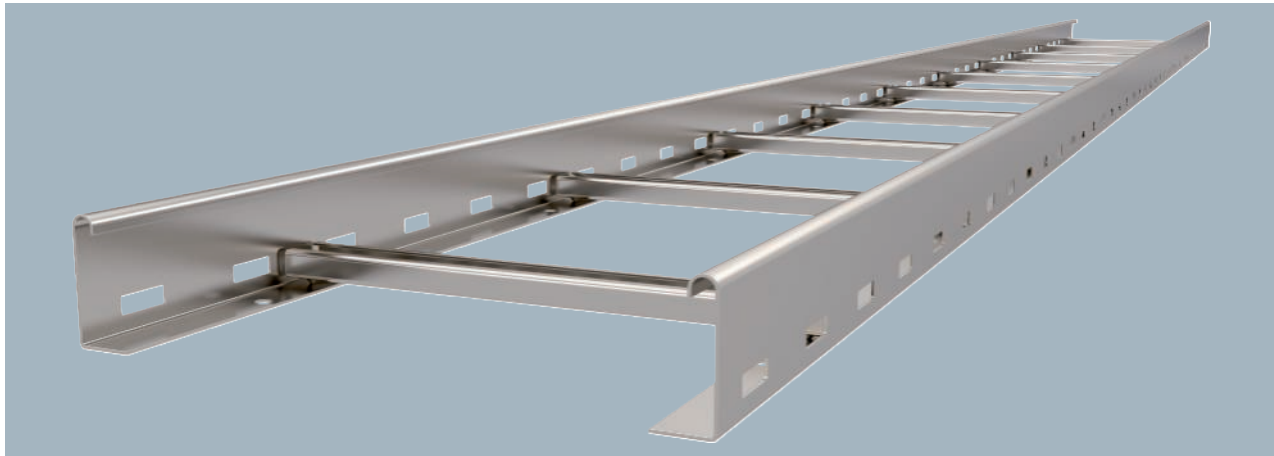
Load diagram LCIS 60

- 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

A2 2B

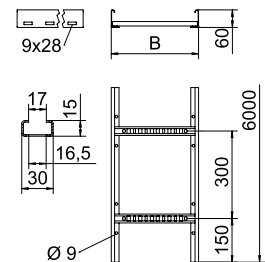


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 A2	200	6	267.000	6207252
LCIS 630 6 A2	300	6	288.840	6207254
LCIS 640 6 A2	400	6	310.500	6207256
LCIS 650 6 A2	500	6	332.340	6207258
LCIS 660 6 A2	600	6	354.000	6207260

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

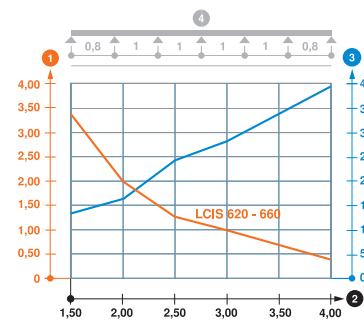


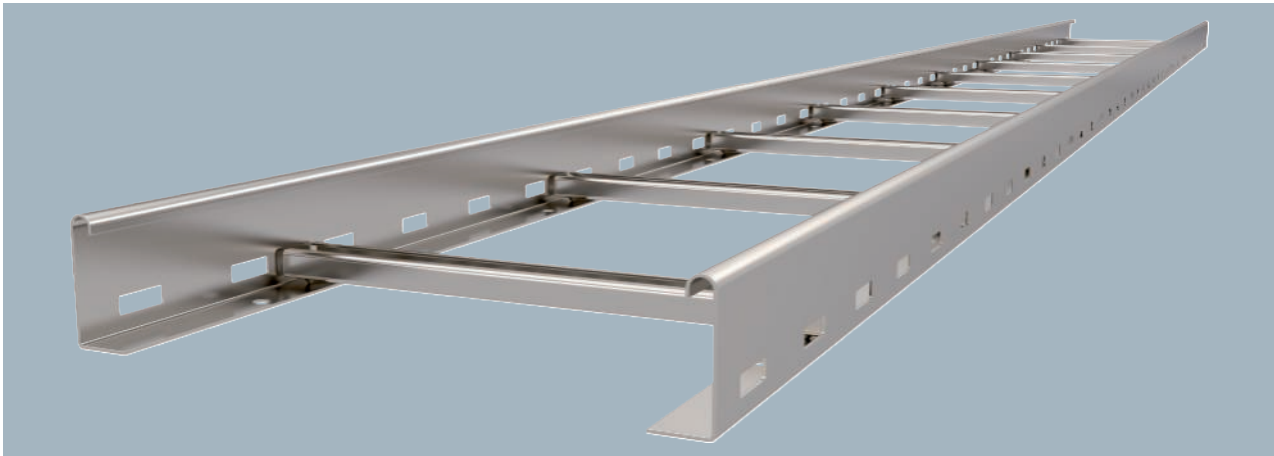
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 620 6 A2	3.3	2	1.3	1	0.4
LCIS 630 6 A2	3.3	2	1.3	1	0.4
LCIS 640 6 A2	3.3	2	1.3	1	0.4
LCIS 650 6 A2	3.3	2	1.3	1	0.4
LCIS 660 6 A2	3.3	2	1.3	1	0.4

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

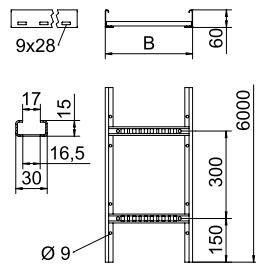




Cable ladder with 60 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

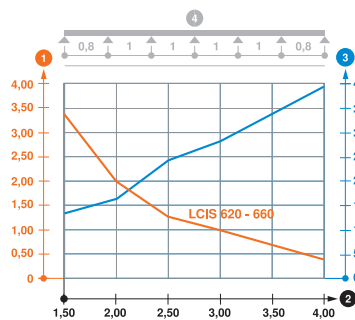
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 620 6 A4	200	6	267.000	6207202
LCIS 630 6 A4	300	6	288.833	6207204
LCIS 640 6 A4	400	6	310.500	6207206
LCIS 650 6 A4	500	6	332.340	6207208
LCIS 660 6 A4	600	6	354.000	6207210

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

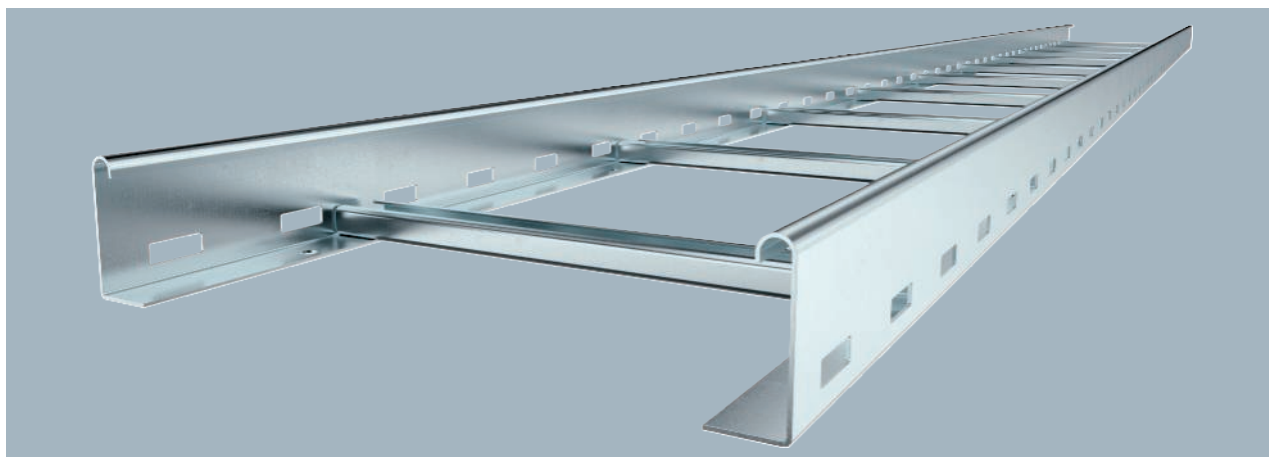
Load diagram LCIS 60

- 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 LG 60, 3 m VS

St FS

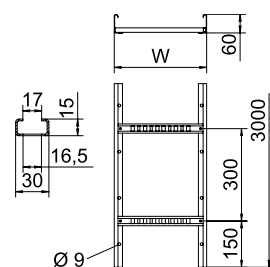


Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 3 FS	200		3	267.000	6208538
LG 630 VS 3 FS	300		3	288.933	6208541
LG 640 VS 3 FS	400		3	314.600	6208544
LG 650 VS 3 FS	500		3	332.600	6208547
LG 660 VS 3 FS	600		3	354.266	6208550

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

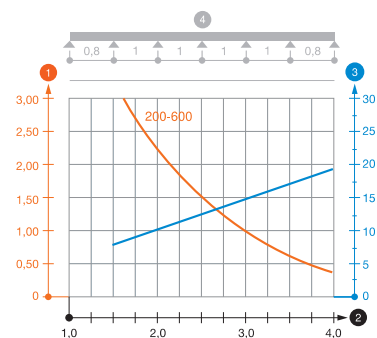


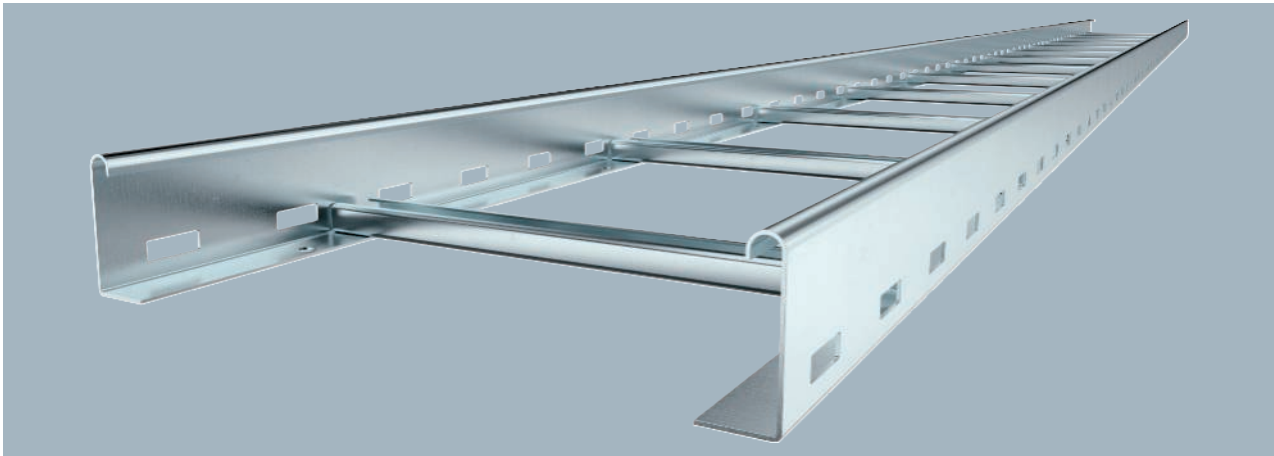
	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 3 FS	2.25	1.5	1.1	0.45
LG 630 VS 3 FS	2.25	1.5	1.1	0.45
LG 640 VS 3 FS	2.25	1.5	1.1	0.45
LG 650 VS 3 FS	2.25	1.5	1.1	0.45
LG 660 VS 3 FS	2.25	1.5	1.1	0.45

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

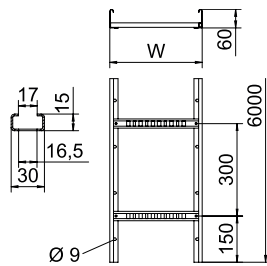




The cable ladder is shipped folded up.
Cables can be mounted with the matching clamp clip, type 2056.
The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 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).

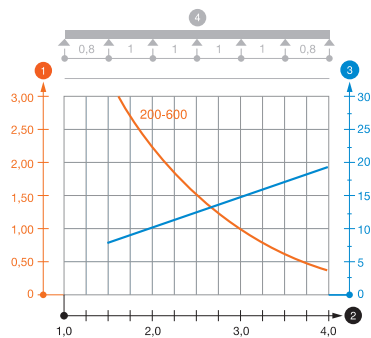
Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 6 FS	200		6	267.066	6208627
LG 630 VS 6 FS	300		6	288.733	6208630
LG 640 VS 6 FS	400		6	314.400	6208633
LG 650 VS 6 FS	500		6	332.400	6208636
LG 660 VS 6 FS	600		6	354.066	6208639

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

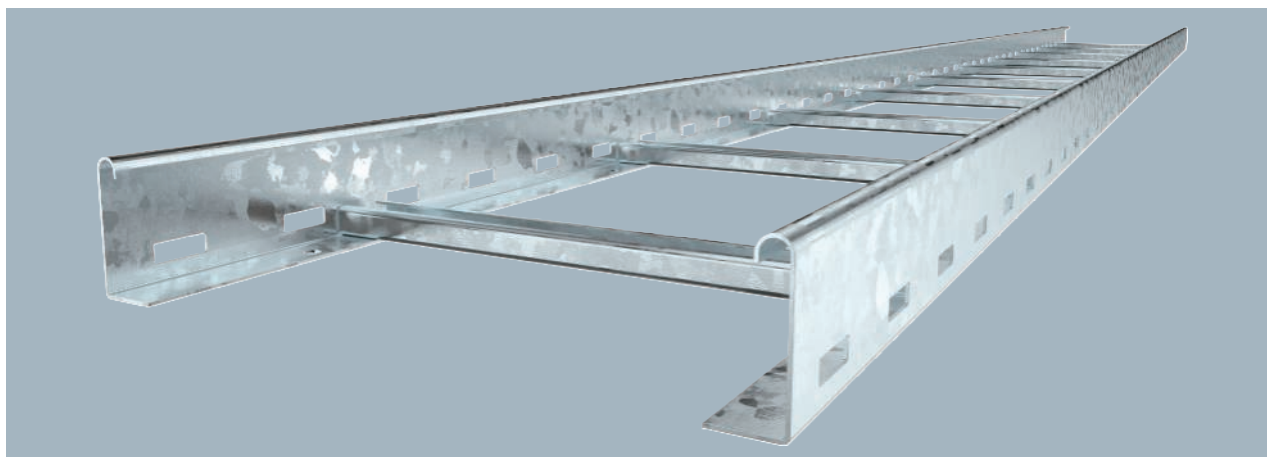
Load diagram, LG 60 VS

- 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

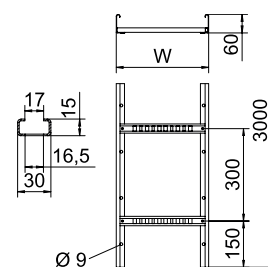


Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 3 FT	200		3	285.066	6208562
LG 630 VS 3 FT	300		3	308.000	6208566
LG 640 VS 3 FT	400		3	331.000	6208570
LG 650 VS 3 FT	500		3	354.733	6208574
LG 660 VS 3 FT	600		3	385.400	6208578

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

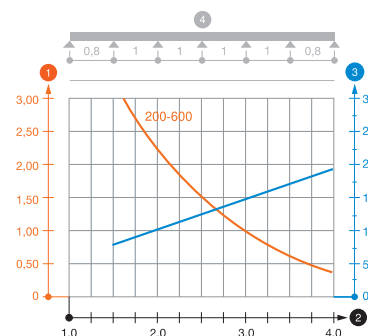


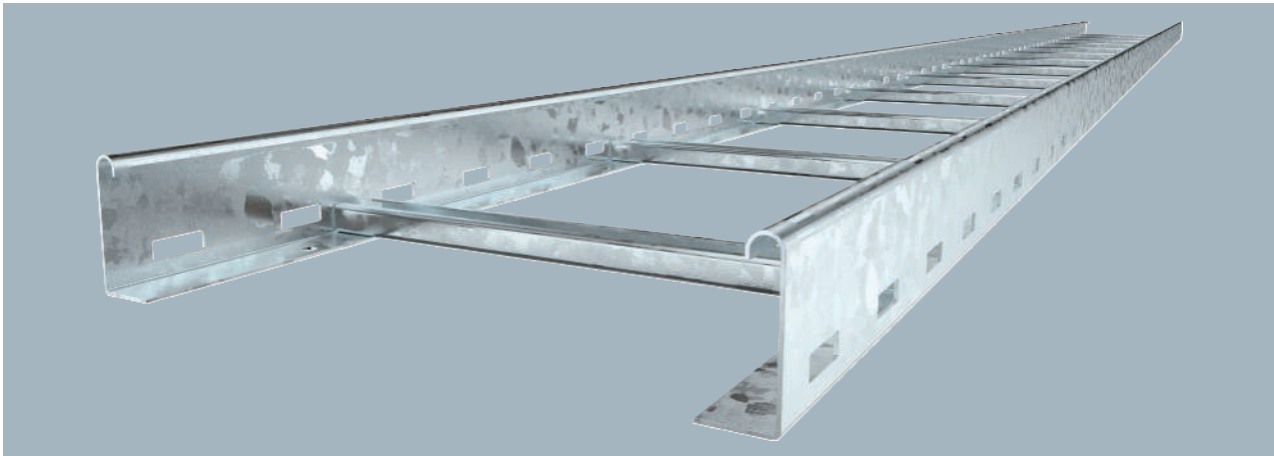
	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 VS 3 FT	2.25	1.5	1.1	0.45
LG 630 VS 3 FT	2.25	1.5	1.1	0.45
LG 640 VS 3 FT	2.25	1.5	1.1	0.45
LG 650 VS 3 FT	2.25	1.5	1.1	0.45
LG 660 VS 3 FT	2.25	1.5	1.1	0.45

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

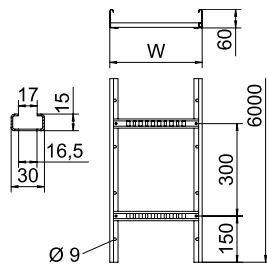




The cable ladder is shipped folded up.
Cables can be mounted with the matching clamp clip, type 2056.
The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 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).

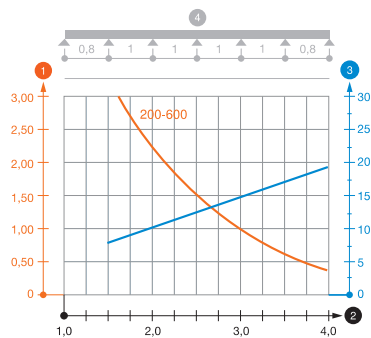
Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 6 FT	200		6	284.833	6208650
LG 630 VS 6 FT	300		6	307.833	6208653
LG 640 VS 6 FT	400		6	330.833	6208656
LG 650 VS 6 FT	500		6	354.500	6208659
LG 660 VS 6 FT	600		6	385.166	6208661

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	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

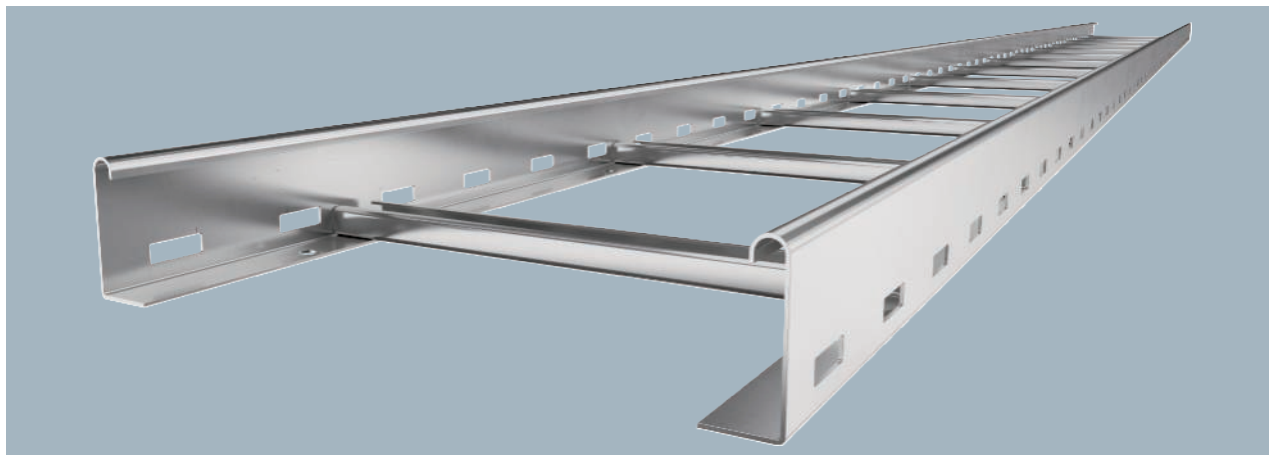
Load diagram, LG 60 VS

- 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

A2 2B



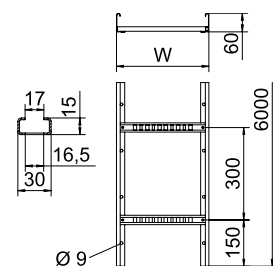
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 VS6 A2	200	6	267.067	6208700
LG 630 VS6 A2	300	6	288.733	6208703
LG 640 VS6 A2	400	6	314.400	6208706
LG 650 VS6 A2	500	6	332.400	6208709
LG 660 VS6 A2	600	6	354.066	6208712

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

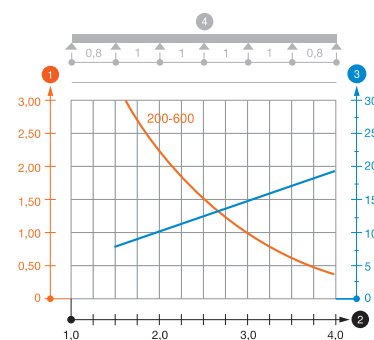


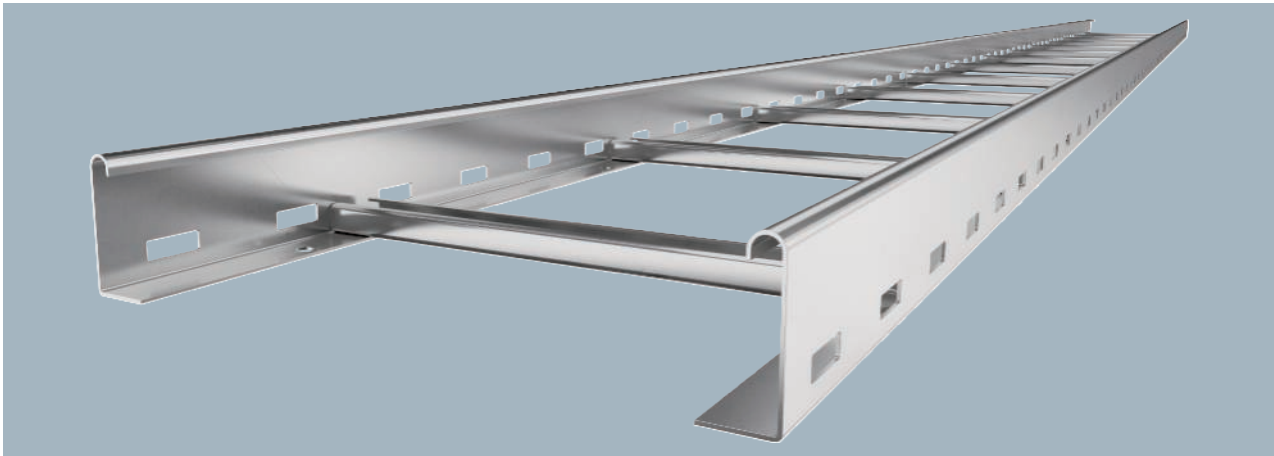
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	3.5 m kN/m	4.0 m kN/m
LG 620 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 630 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 640 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 650 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45
LG 660 VS6 A2	3.1	2.25	1.5	1.1	0.75	0.45

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

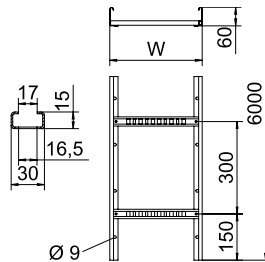




The cable ladder is shipped folded up.
You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.
Cable ladder with perforated side rail of side height 60 mm with riveted C profile frames, open in an upwards direction (VS version).

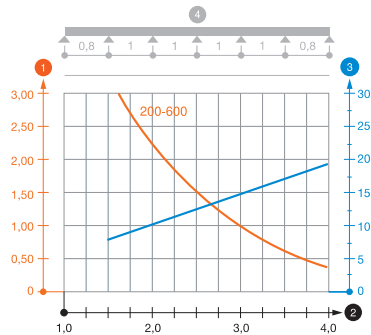
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 VS6 A4	200	6	267.733	6101200
LG 630 VS6 A4	300	6	288.733	6101208
LG 640 VS6 A4	400	6	314.400	6101216
LG 650 VS6 A4	500	6	341.666	6101223
LG 660 VS6 A4	600	6	354.000	6101232

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

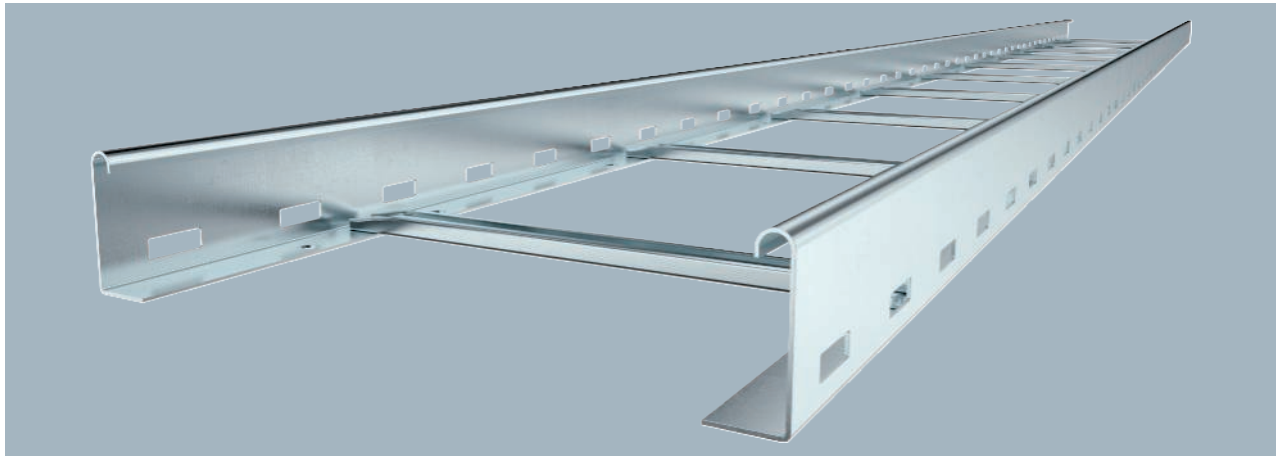
Load diagram, LG 60 VS

- 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



Cable ladder LG 60, 3 m NS

St FS



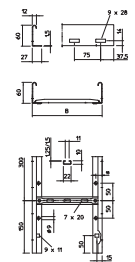
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 NS 3 FS	200	3	247.640	6208506
LG 630 NS 3 FS	300	3	262.070	6208509
LG 640 NS 3 FS	400	3	276.070	6208512
LG 650 NS 3 FS	500	3	301.670	6208515
LG 660 NS 3 FS	600	3	318.200	6208518

The cable ladder is shipped folded up. You can find the appropriate U clamp of type 2056N in the vertical ladder systems chapter.

Cable ladder with perforated side rail of side height 60 mm with riveted C profile rungs, open in an upwards direction (NS version).

Type	Length mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 NS 3 FS	3000	1.5	98	300
LG 630 NS 3 FS	3000	1.5	148	300
LG 640 NS 3 FS	3000	1.5	198	300
LG 650 NS 3 FS	3000	1.5	248	300
LG 660 NS 3 FS	3000	1.5	298	300

Dimensions

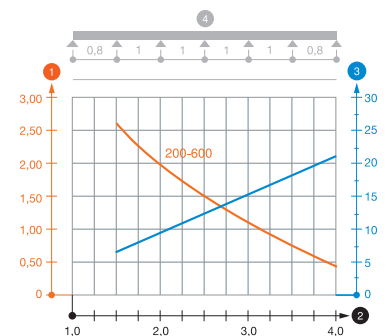


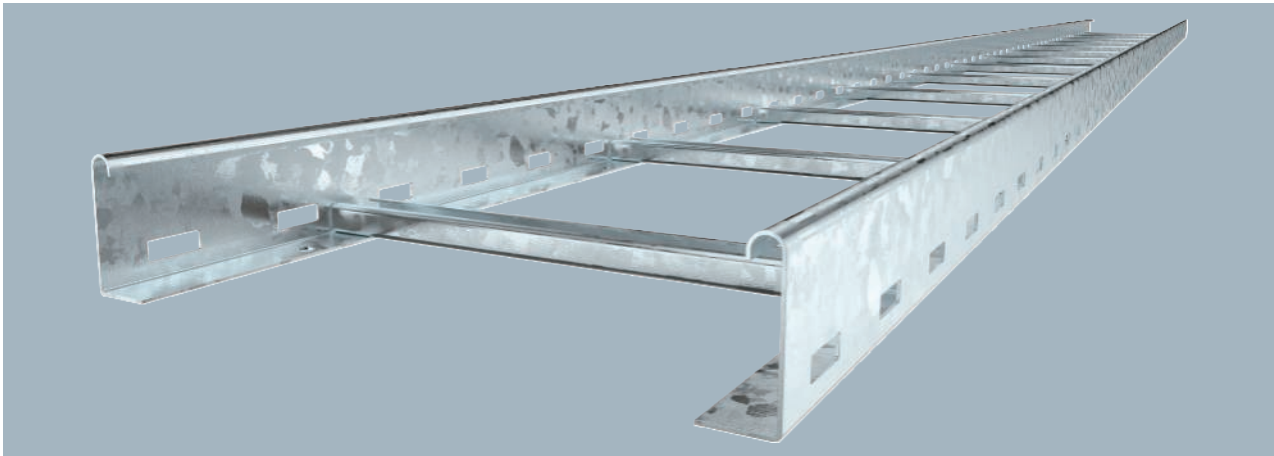
	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 620 NS 3 FS	2	1.5	1	0.4
LG 630 NS 3 FS	2	1.5	1	0.4
LG 640 NS 3 FS	2	1.5	1	0.4
LG 650 NS 3 FS	2	1.5	1	0.4
LG 660 NS 3 FS	2	1.5	1	0.4

Load diagram, LG 60 NS

- 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



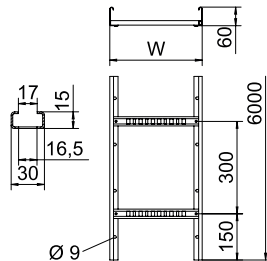


The cable ladder is shipped folded up. The surface coating is a coating created in a single-dip method with extra-high zinc thicknesses.

Cable ladder with 60 mm side height with riveted C profile rungs which are open in an upwards direction.

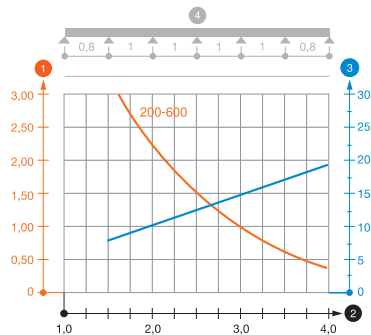
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 630 VS 6FT SO	300	6	294.200	7186363
LG 640 VS 6 FTSO	400	6	342.200	7188633
LG 650 VS 6 FTSO	500	6	398.200	7188640

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 630 VS 6FT SO	6000	300	1.5	148	300
LG 640 VS 6 FTSO	6000	400	1.5	198	300
LG 650 VS 6 FTSO	6000	500	1.5	248	300

Load



	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LG 630 VS 6FT SO	2.25	1.5	1.1	0.45
LG 640 VS 6 FTSO	2.25	1.5	1.1	0.45
LG 650 VS 6 FTSO	2.25	1.5	1.1	0.45

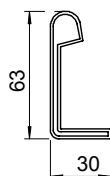
Load diagram, LG 60 VS

- 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



Protective cap 60

PE

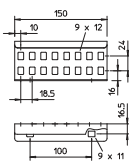
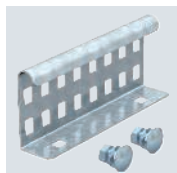


Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKH 60 OR	Pastel orange	40	1.072	6222537

Protective cap to cover cable ladder ends of side height 60 mm.

Straight connector 60

St FS FT



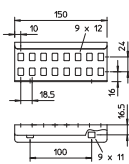
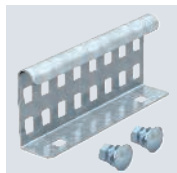
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 60 FS	60	10	22.000	6208840
LVG 60 FT	60	10	23.000	6208843

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.

60 FT SOMY straight connector

St FT SO



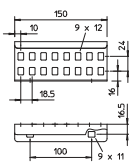
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 60 FT SO	60	20	25.000	7189253

Straight connector as external connector to connect cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

The adjustable connector ensures the continuity of the equipotential bonding.

Straight connector 60

A2 A4 2B



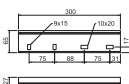
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 60 A2	60	10	22.000	6208846
LVG 60 A4	60	10	20.000	6208835

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.

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

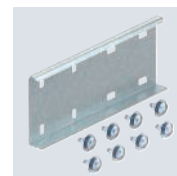
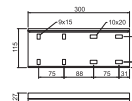
Connector for expansion for compensation of linear thermal expansion. The tightening torques of the self-locking screws on the loose bearing side are 5 Nm.

St FT

Expansion connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LDVG 110 FT	110	2	100.500	6216670

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.

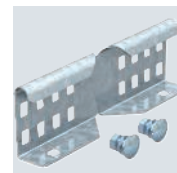
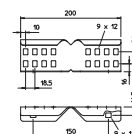


St FS

Angle connector 60

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.

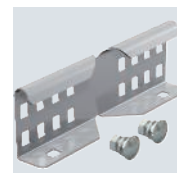
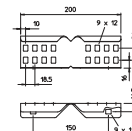


A2 A4 2B

Angle connector 60

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.

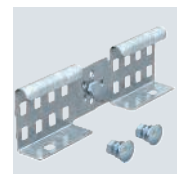
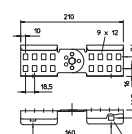


St FS FT FT SO

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
LGVG 60 FT SO	60	10	30.700	7189251

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.

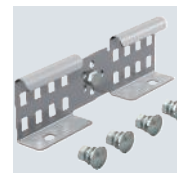
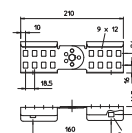


A2 A4 2B

Adjustable connector 60

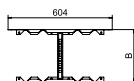
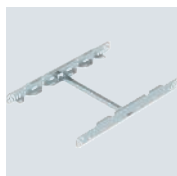
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 60 A2	60	10	28.500	6208947
LGVG 60 A4	60	10	28.500	6208932

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.



Multifunctional connector 60

St FS FT

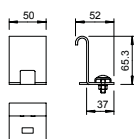


Type	Dim. B mm	Side height mm	Metal thick-ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LMFV 620 FS	200	60	1.50	1	123.200	6225710
LMFV 630 FS	300	60	1.50	1	129.700	6225712
LMFV 640 FS	400	60	1.50	1	136.200	6225714
LMFV 650 FS	500	60	1.50	1	142.800	6225716
LMFV 660 FS	600	60	1.50	1	149.300	6225718
LMFV 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.

Connection piece 60

St FS FT



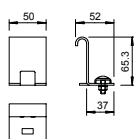
Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 60 FS	10	13.000	6221351
LAS 60 FT	10	13.600	6221378

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.

Connector 60

A2 2B



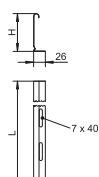
Type	Pack Piece	Weight kg/100 pc.	Item no.
LAS 60 A2	10	13.000	6221386

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.

Separating retainer 45

St FS DD

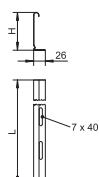


Type	Dim. H mm	Metal thick-ness mm	Dim. L mm	Pack m	Weight kg/100 m	Item no.
TSG 45 FS	45	0.75	3000	3	46.700	6062033
TSG 45 DD	45	0.75	3000	3	46.812	6062321

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

Separating retainer 45

A2 A4 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	49.850	6062025
TSG 45 A4	45	0.75	3000	3	49.850	6062028

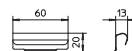
Separating retainer for separation of cables of different voltages or functions.

VA 2B

Separating retainer connector

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

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.

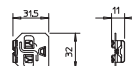


VA 2B

Hold-down clamp for separating retainer fastening

Type	Pack Piece	Weight kg/100 pc.	Item no.
KS KL A2	30	0.512	6062284

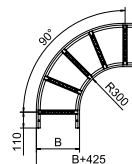
Hold-down clamp for screwless fastening of the separating retainer in cable ladders.



St FS FT

90° bend 60

Type	Dim. B mm	Rail thickness 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

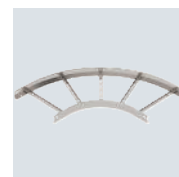
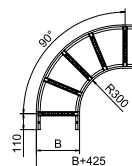


90° bend, horizontal, with welded rung for all cable ladder types of 60 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

A2 A4 2B

90° bend 60

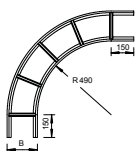
Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LB 90 620 R3 A2	200	1.5	1	257.800	6225082
LB 90 630 R3 A2	300	1.5	1	322.300	6225084
LB 90 640 R3 A2	400	1.5	1	373.400	6225086
LB 90 650 R3 A2	500	1.5	1	458.600	6225088
LB 90 660 R3 A2	600	1.5	1	524.600	6225090
LB 90 620 R3 A4	200	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 VS 60

A2 2B



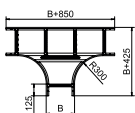
Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LBI 90 620 VS A2	200	1	358.000	7160046
LBI 90 630 VS A2	300	1	412.000	7160054
LBI 90 640 VS A2	400	1	497.000	7160062
LBI 90 650 VS A2	500	1	554.900	7160089
LBI 90 660 VS A2	600	1	664.000	7160097

90° bend, horizontal, for cable ladders with VS rungs and a side height of 60 mm.

Connectors should be ordered separately and in the appropriate quantity.

T piece 60

St FS FT



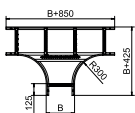
Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 620 R3 FS	200	1.5	1	468.700	6225210
LT 630 R3 FS	300	1.5	1	531.000	6225212
LT 640 R3 FS	400	1.5	1	619.700	6225214
LT 650 R3 FS	500	1.5	1	688.600	6225216
LT 660 R3 FS	600	1.5	1	757.400	6225218
LT 620 R3 FT	200	1.5	1	494.800	6225230
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 piece 60

A2 A4 2B



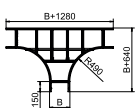
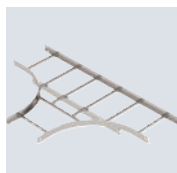
Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 620 R3 A2	200	1.5	1	474.600	6225250
LT 630 R3 A2	300	1.5	1	537.800	6225252
LT 640 R3 A2	400	1.5	1	627.700	6225254
LT 650 R3 A2	500	1.5	1	697.400	6225256
LT 660 R3 A2	600	1.5	1	767.200	6225258
LT 620 R3 A4	200	1.5	1	480.600	6225270
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 VS 60

A2 2B



Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LT 620 VS A2	200	1	680.000	7162022
LT 630 VS A2	300	1	795.000	7162049
LT 640 VS A2	400	1	879.000	7162057
LT 650 VS A2	500	1	962.000	7162073
LT 660 VS A2	600	1	1,104.000	7162081

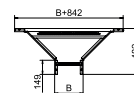
Tee, horizontal, for cable ladders with medium-duty rungs (VS) and a side height of 60 mm.

Connectors should be ordered separately and in the appropriate quantity.

A2 A4 2B

Add-on tee 60

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAA 620 R3 A2	200	1.5	1	304.000	6225882
LAA 630 R3 A2	300	1.5	1	326.000	6225884
LAA 640 R3 A2	400	1.5	1	348.000	6225886
LAA 650 R3 A2	500	1.5	1	371.000	6225888
LAA 660 R3 A2	600	1.5	1	393.000	6225890
LAA 620 R3 A4	200	1.5	1	304.000	6225894
LAA 630 R3 A4	300	1.5	1	326.000	6225896
LAA 640 R3 A4	400	1.5	1	348.000	6225898
LAA 650 R3 A4	500	1.5	1	371.000	6225900
LAA 660 R3 A4	600	1.5	1	393.000	6225902

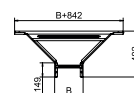


Mounting/branch with welded rung for use in the cable ladder types with a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

St FS FT

Add-on tee 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

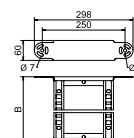


Mounting/branch with welded rung for use in the cable ladder types with a side height of 60 mm.
Connectors should be ordered separately and in the appropriate quantity.

St FS FT

Adjustable bend element 60

Type	Dim. B mm	Rail thick- ness 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

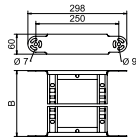
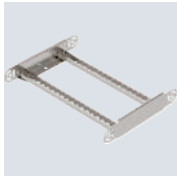


Adjustable bend element with welded rung for use in the cable ladder types with a side height of 60 mm.



Adjustable bend element 60

A2 VA 2B

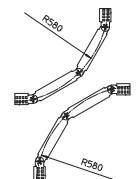


Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBE 620 A2	200	1.5	1	84.000	6225460
LGBE 630 A2	300	1.5	1	97.000	6225462
LGBE 640 A2	400	1.5	1	109.900	6225464
LGBE 650 A2	500	1.5	1	122.900	6225466
LGBE 660 A2	600	1.5	1	135.900	6225468
LGBE 620 A4	200	1.5	1	84.000	6225480
LGBE 630 A4	300	1.5	1	97.000	6225482
LGBE 640 A4	400	1.5	1	109.900	6225484
LGBE 650 A4	500	1.5	1	122.900	6225486
LGBE 660 A4	600	1.5	1	135.900	6225488

Adjustable bend element with welded rung for use in cable ladder types with a side height of 60 mm.

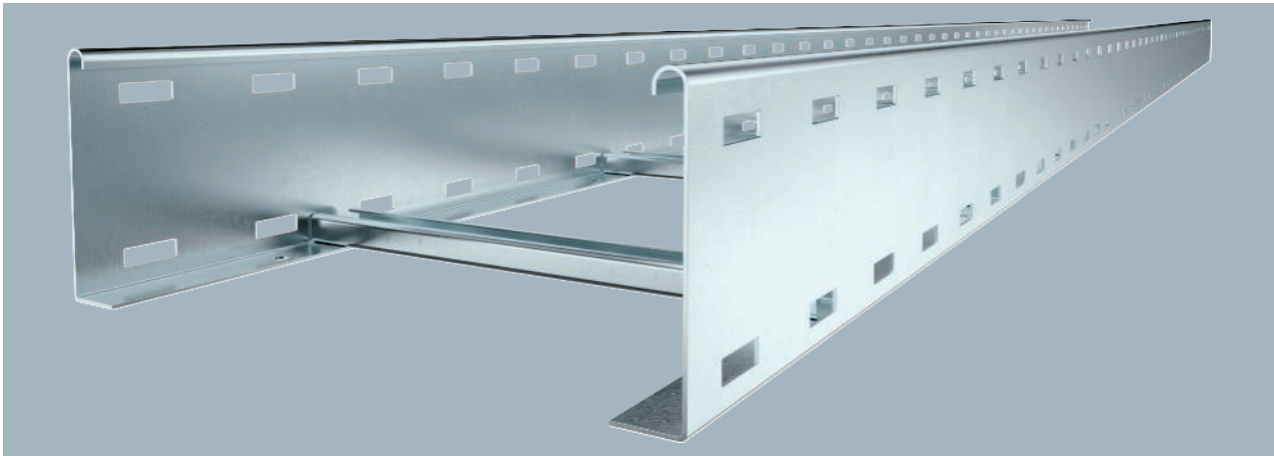
Articulated bend, vertical, VS 60

St FS FT



Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBV 620 VS FS	200	1	257.000	6213227
LGBV 630 VS FS	300	1	286.000	6213235
LGBV 640 VS FS	400	1	315.000	6213243
LGBV 650 VS FS	500	1	344.000	6213251
LGBV 660 VS FS	600	1	374.000	6213278
LGBV 620 VS FT	200	1	270.000	6213324
LGBV 630 VS FT	300	1	301.000	6213332
LGBV 640 VS FT	400	1	332.000	6213340
LGBV 650 VS FT	500	1	363.000	6213359
LGBV 660 VS FT	600	1	394.000	6213367

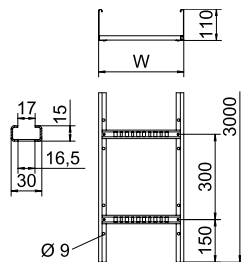
90° adjustable vertical bend, for cable ladders with medium-duty rung (VS) and a side height of 60 mm.
The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.



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.

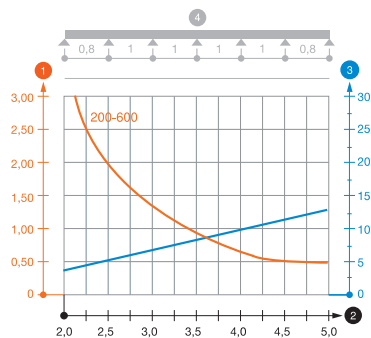
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 3 FS	200	3	396.600	6216404
LG 113 VS 3 FS	300	3	396.600	6216407
LG 114 VS 3 FS	400	3	422.267	6216410
LG 115 VS 3 FS	500	3	440.267	6216413
LG 116 VS 3 FS	600	3	462.000	6216416

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	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

Load



	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

Cable ladder LG 110, 3 m VS

St FT



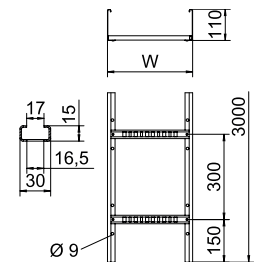
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 3 FT	200	3	400.000	6216423
LG 113 VS 3 FT	300	3	423.000	6216426
LG 114 VS 3 FT	400	3	446.000	6216429
LG 115 VS 3 FT	500	3	469.533	6216432
LG 116 VS 3 FT	600	3	500.000	6216435

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 FT	3000	200	1.5	188	300
LG 113 VS 3 FT	3000	300	1.5	283	300
LG 114 VS 3 FT	3000	400	1.5	378	300
LG 115 VS 3 FT	3000	500	1.5	475	300
LG 116 VS 3 FT	3000	600	1.5	568	300

Dimensions

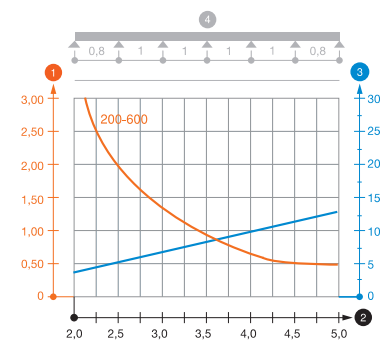


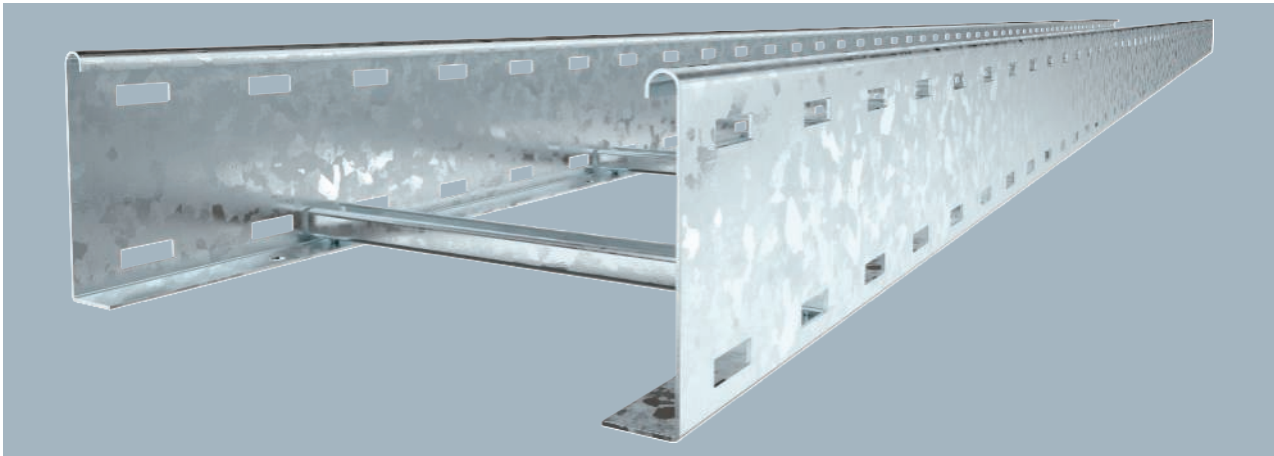
	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 3 FT	3.1	1.4	0.65	0.5
LG 113 VS 3 FT	3.1	1.4	0.65	0.5
LG 114 VS 3 FT	3.1	1.4	0.65	0.5
LG 115 VS 3 FT	3.1	1.4	0.65	0.5
LG 116 VS 3 FT	3.1	1.4	0.65	0.5

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

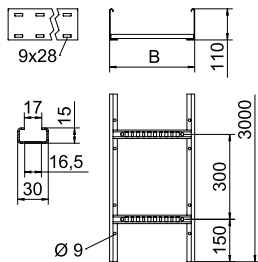




Cable ladder with 110 mm side height with welded C30 profile rungs which are open in an upwards direction. Rolled side rail for reinforcement and as edge protection. Fastening to the bracket takes place using clamps, type LKS 40. The slot dimension of the frame is 16.5 mm and the appropriate clamp clip is type 2056.

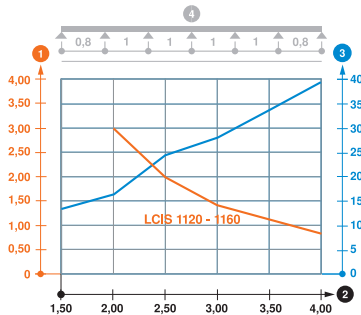
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LCIS 1120 6 FT	200	6	399.200	6209820
LCIS 1130 6 FT	300	6	422.534	6209822
LCIS 1140 6 FT	400	6	446.200	6209824
LCIS 1145 6 FT	450	6	459.534	6209825
LCIS 1150 6 FT	500	6	469.867	6209826
LCIS 1160 6 FT	600	6	491.670	6209828

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	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 1145 6 FT	6000	450	1.5	405	300
LCIS 1150 6 FT	6000	500	1.5	450	300
LCIS 1160 6 FT	6000	600	1.5	540	300

Load



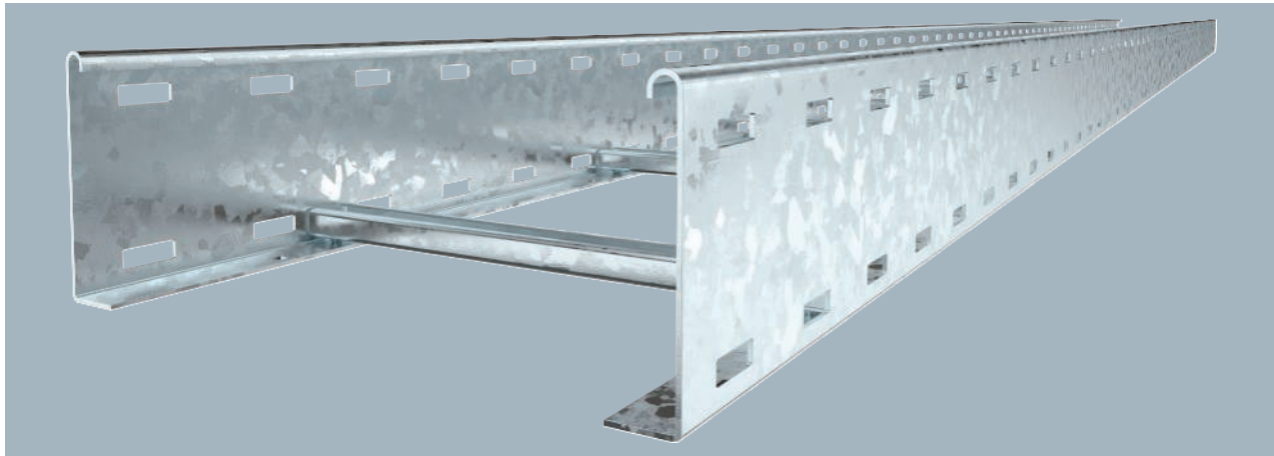
	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m	4.0 m kN/m
LCIS 1120 6 FT	3	2	1.4	0.8
LCIS 1130 6 FT	3	2	1.4	0.8
LCIS 1140 6 FT	3	2	1.4	0.8
LCIS 1145 6 FT	3	2	1.4	0.8
LCIS 1150 6 FT	3	2	1.4	0.8
LCIS 1160 6 FT	3	2	1.4	0.8

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

Cable ladder SLCS 110, 3 m C30

St FT

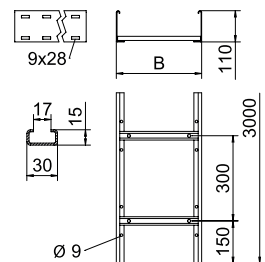


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLCS 1120 3 FT	200	3	521.800	6207302
SLCS 1130 3 FT	300	3	555.800	6207304
SLCS 1140 3 FT	400	3	589.467	6207306
SLCS 1145 3 FT	450	3	612.800	6207308
SLCS 1150 3 FT	500	3	623.133	6207310
SLCS 1160 3 FT	600	3	656.800	6207312
SLCS 1175 3 FT	750	3	707.467	6207314
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

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
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

Dimensions

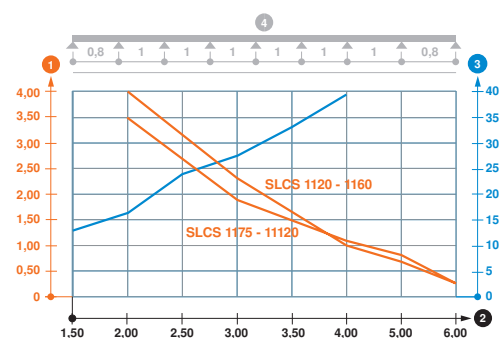


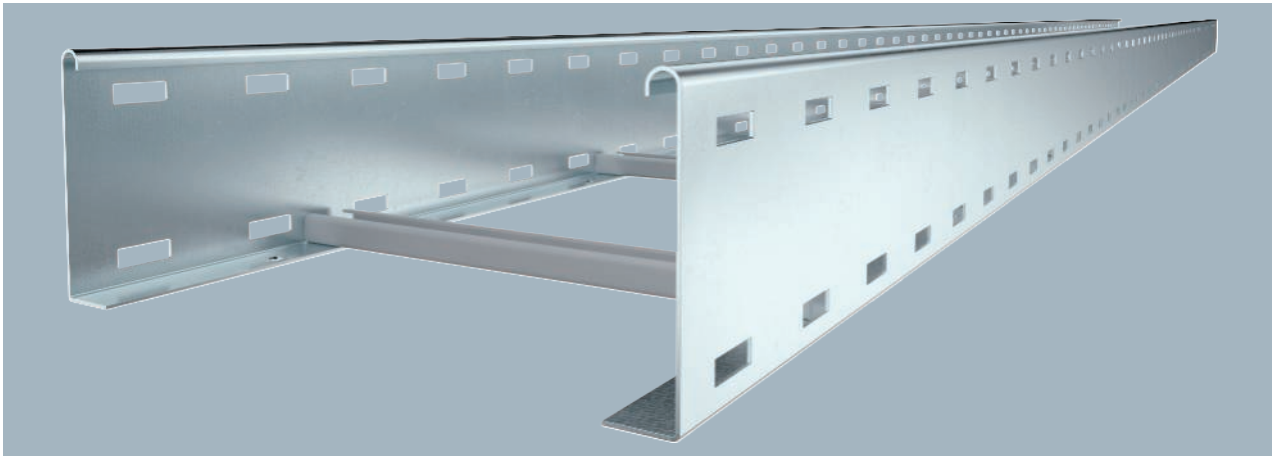
	2.0 m	3.0 m	4.0 m	5.0 m	6.0 m
	kN/m	kN/m	kN/m	kN/m	kN/m
SLCS 1120 3 FT	4	2.3	1	0.7	0.25
SLCS 1130 3 FT	4	2.3	1	0.7	0.25
SLCS 1140 3 FT	4	2.3	1	0.7	0.25
SLCS 1145 3 FT	4	2.3	1	0.7	0.25
SLCS 1150 3 FT	4	2.3	1	0.7	0.25
SLCS 1160 3 FT	4	2.3	1	0.7	0.25
SLCS 1175 3 FT	3.5	1.9	1	0.8	0.25
SLCS 1180 3 FT	3.5	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

Load

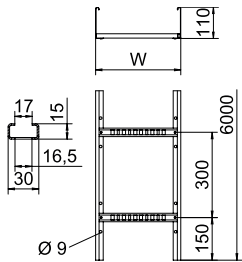




The cable ladder is shipped folded up.
You can find the appropriate type 2056 clamp clip in the vertical ladder systems section.
Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

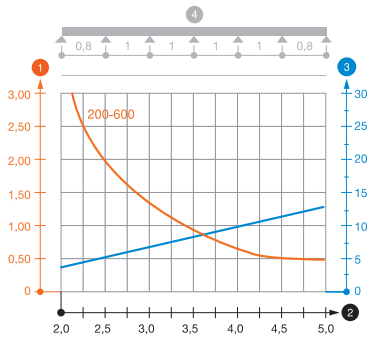
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 6 FS	200	6	374.966	6216442
LG 113 VS 6 FS	300	6	396.633	6216445
LG 114 VS 6 FS	400	6	422.300	6216448
LG 115 VS 6 FS	500	6	440.300	6216451
LG 116 VS 6 FS	600	6	461.967	6216454

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



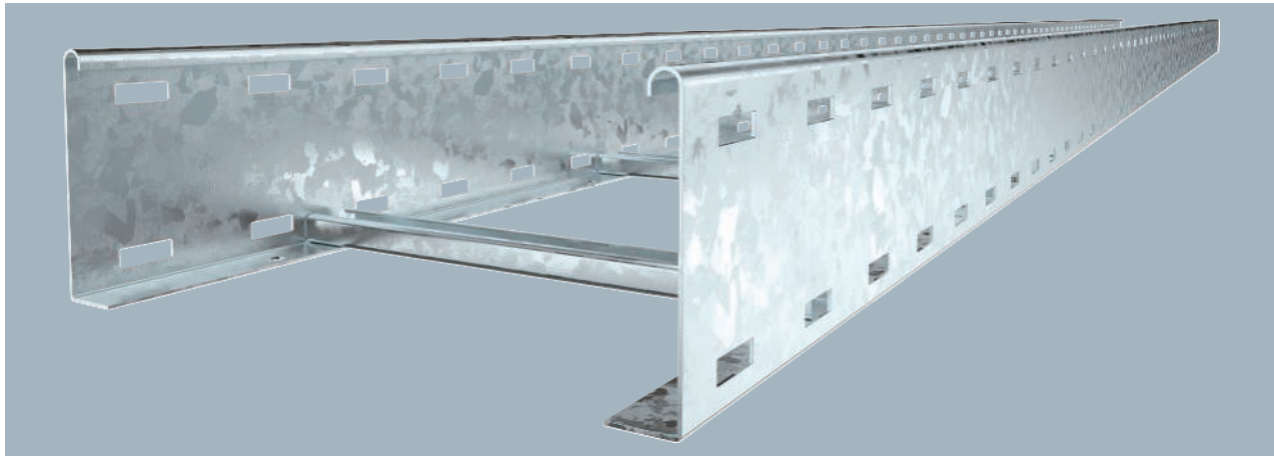
	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 6 FS	3.1	1.4	0.65	0.5
LG 113 VS 6 FS	3.1	1.4	0.65	0.5
LG 114 VS 6 FS	3.1	1.4	0.65	0.5
LG 115 VS 6 FS	3.1	1.4	0.65	0.5
LG 116 VS 6 FS	3.1	1.4	0.65	0.5

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



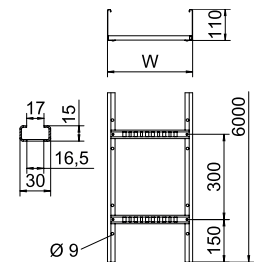
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS 6 FT	200	6	399.867	6216465
LG 113 VS 6 FT	300	6	422.833	6216468
LG 114 VS 6 FT	400	6	445.867	6216471
LG 115 VS 6 FT	500	6	469.533	6216474
LG 116 VS 6 FT	600	6	500.200	6216477

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

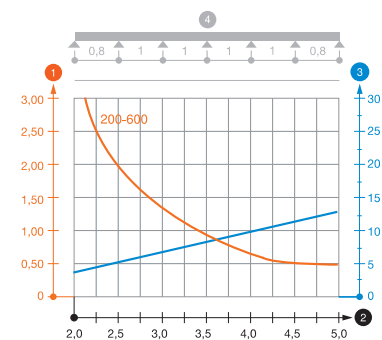


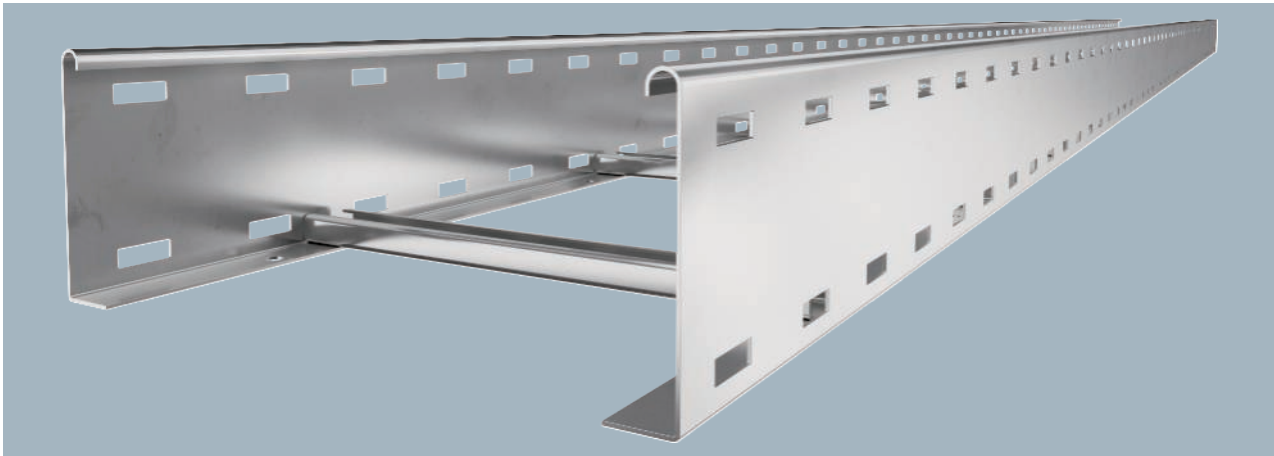
	2.0 m kN/m	3.0 m kN/m	4.0 m kN/m	5.0 m kN/m
LG 112 VS 6 FT	3.1	1.4	0.65	0.5
LG 113 VS 6 FT	3.1	1.4	0.65	0.5
LG 114 VS 6 FT	3.1	1.4	0.65	0.5
LG 115 VS 6 FT	3.1	1.4	0.65	0.5
LG 116 VS 6 FT	3.1	1.4	0.65	0.5

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

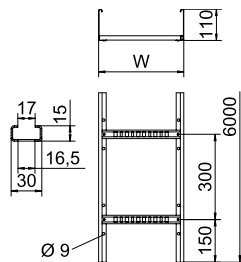




The cable ladder is shipped folded up.
You can find the appropriate U clamp of type 2056 in the vertical ladder systems chapter.
Cable ladder with perforated side rail of side height 110 mm with riveted C profile rungs, open in an upwards direction.

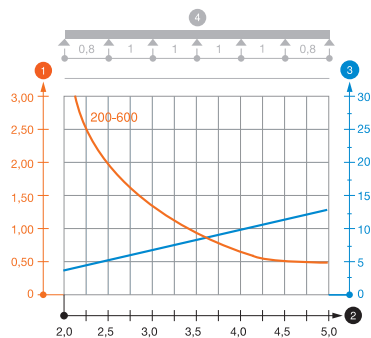
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 112 VS6 A2	200	6	377.666	6216492
LG 113 VS6 A2	300	6	400.000	6216493
LG 114 VS6 A2	400	6	419.500	6216495
LG 115 VS6 A2	500	6	444.500	6216497
LG 116 VS6 A2	600	6	468.666	6216499

Dimensions



Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm²	Rung spacing mm
LG 112 VS6 A2	6000	200	1.5	188	300
LG 113 VS6 A2	6000	300	1.5	283	300
LG 114 VS6 A2	6000	400	1.5	378	300
LG 115 VS6 A2	6000	500	1.5	475	300
LG 116 VS6 A2	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 VS6 A2	3.1	1.3	0.6	0.45
LG 113 VS6 A2	3.1	1.3	0.6	0.45
LG 114 VS6 A2	3.1	1.3	0.6	0.45
LG 115 VS6 A2	3.1	1.3	0.6	0.45
LG 116 VS6 A2	3.1	1.3	0.6	0.45

Load diagram, cable ladder, type LG 110 A2

- 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 FT SOMY

St FT
SO



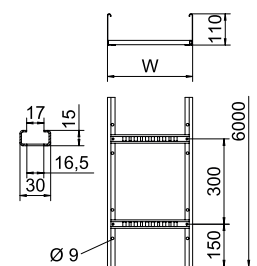
Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 114 VS 6FT SO	400	6	461.167	7186395

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 110 mm side height with riveted C 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 hold-down clamps, type LKS 60/4. 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
LG 114 VS 6FT SO	6000	400	1.5	378	300

Dimensions

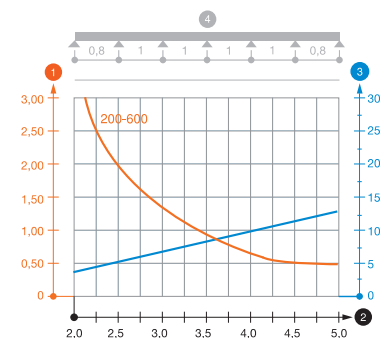


	2.0 m	3.0 m	4.0 m	5.0 m
	kN/m	kN/m	kN/m	kN/m
LG 114 VS 6FT SO	3.1	1.4	0.65	0.5

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



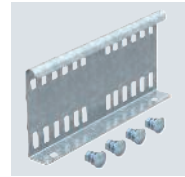
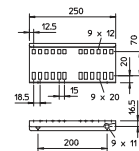
St FS FT

LVG 110 straight connector

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.



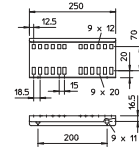
A2 2B

Straight connector 110

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LVG 110 A2	110	10	50.900	6216550

Straight connector as external connector to connect cable ladders and fittings with a side height of 110 mm.

The bolt fastening ensures the continuity of the equipotential bonding.



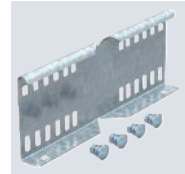
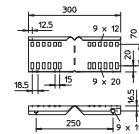
St FS

Angle connector 110

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.



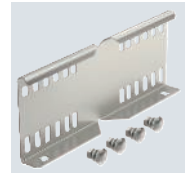
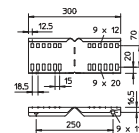
A2 2B

Angle connector 110

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.



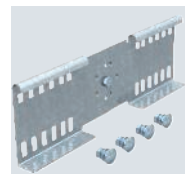
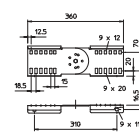
St FS FT

Adjustable connector 110

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

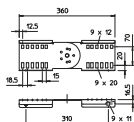
Adjustable connector as internal connector to join cable ladders and fittings with a side height of 110 mm. Angle can be adjusted vertically.

The bolt fastening ensures the continuity of the equipotential bonding.



Articulated connector 110

A2 2B

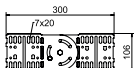


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 110 A2	110	10	77.400	6216648

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 SM

St FS

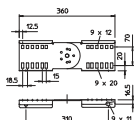
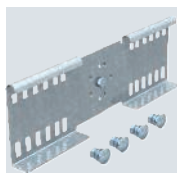


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
RGV110-SM FS	110	10	62.000	7081995

Adjustable connectors as internal connectors to connect cable ladders and fittings of 110 mm side height. Some fastening material and self-locking nut included.

Adjustable connector 110 FT SOMY

St FT SO

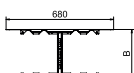
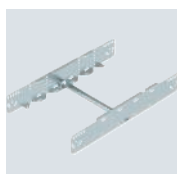


Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 110VS FTSO	110	10	83.800	7190590

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.

Multifunctional connector 110

St FS FT

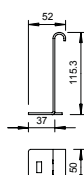


Type	Dim. B mm	Side height mm	Metal thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LMFV 1120 FS	200	110	1.50	1	208.100	6225750
LMFV 1130 FS	300	110	1.50	1	214.600	6225752
LMFV 1140 FS	400	110	1.50	1	221.100	6225754
LMFV 1150 FS	500	110	1.50	1	227.600	6225756
LMFV 1160 FS	600	110	1.50	1	234.000	6225758
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 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.

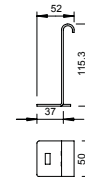
A2 2B

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.

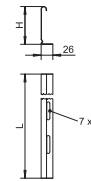


St FS DD

Separating retainer 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

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

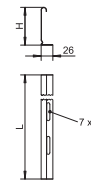


A2 2B

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	74.958	6062173

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

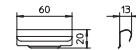


VA 2B

Separating retainer connector

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

Separating retainer connector for screwless connection of the TSG separating retainer in all side heights.

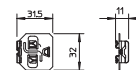


VA 2B

Hold-down clamp for separating retainer fastening

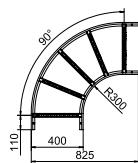
Type	Pack Piece	Weight kg/100 pc.	Item no.
KS KL A2	30	0.512	6062284

Hold-down clamp for screwless fastening of the separating retainer in cable ladders.



90° bend 110

St FS FT

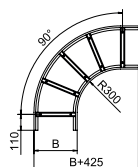
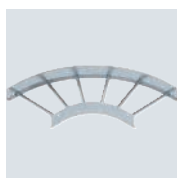


Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LB 90 1120 R3 FS	200	1.5	1	355.300	6225122
LB 90 1130 R3 FS	300	1.5	1	428.300	6225124
LB 90 1140 R3 FS	400	1.5	1	488.000	6225126
LB 90 1150 R3 FS	500	1.5	1	580.400	6225128
LB 90 1160 R3 FS	600	1.5	1	646.500	6225130
LB 90 1120 R3 FT	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.

90° bend 110

St FT

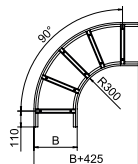
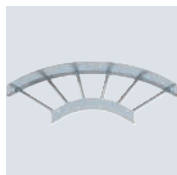


Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 1120R3 FT	200	2	1	493.100	6225172
SLB 90 1130R3 FT	300	2	1	593.200	6225174
SLB 90 1140R3 FT	400	2	1	678.300	6225176
SLB 90 1150R3 FT	500	2	1	809.600	6225180
SLB 90 1160R3 FT	600	2	1	919.200	6225182

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.

90° bend 110

St FT



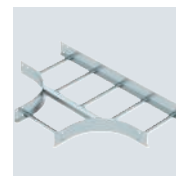
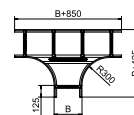
Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 1145R3 FT	450	2	1	720.700	6225178
SLB 90 1175R3 FT	750	2	1	1,116.100	6225184
SLB 90 1180R3 FT	800	2	1	1,167.900	6225186
SLB 90 1190R3 FT	900	2	1	1,356.500	6225188
SLB90 11100R3 FT	1000	2	1	1,470.000	6225190
SLB90 11120R3 FT	1200	2	1	1,856.200	6225194

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

T piece 110

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

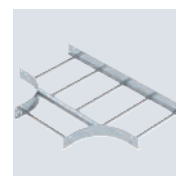
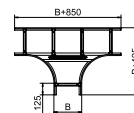


T piece, horizontal, with welded rung for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

St FT

T piece 110

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLT 1120 R3 FT	200	2	1	807.400	6225350
SLT 1130 R3 FT	300	2	1	969.800	6225352
SLT 1140 R3 FT	400	2	1	1,099.200	6225354
SLT 1150 R3 FT	500	2	1	1,200.500	6225358
SLT 1160 R3 FT	600	2	1	1,251.100	6225360

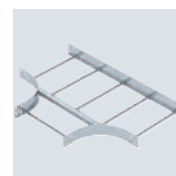
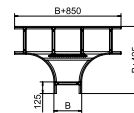


T piece, horizontal, with welded rung for all cable ladder types of 110 mm side height.
Connectors should be ordered separately and in the appropriate quantity.

St FT

T piece 110

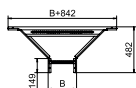
Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLT 1145 R3 FT	450	2	1	1,150.300	6225356
SLT 1175 R3 FT	750	2	1	1,524.900	6225362
SLT 1180 R3 FT	800	2	1	1,579.500	6225364
SLT 1190 R3 FT	900	2	1	1,690.600	6225366
SLT 11100 R3 FT	1000	2	1	1,801.700	6225368
SLT 11120 R3 FT	1200	2	1	2,092.200	6225372



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.

Add-on tee 110

St FS FT

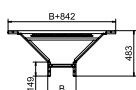
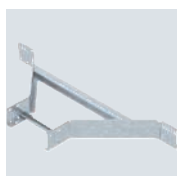


Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAA 1120 R3 FS	200	1.5	1	389.000	6225910
LAA 1130 R3 FS	300	1.5	1	411.000	6225912
LAA 1140 R3 FS	400	1.5	1	434.000	6225914
LAA 1150 R3 FS	500	1.5	1	457.000	6225916
LAA 1160 R3 FS	600	1.5	1	480.000	6225918
LAA 1120 R3 FT	200	1.5	1	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.

Add-on tee 110

St FT

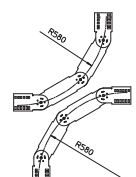


Type	Dim. B mm	Rail thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLAA 1120 R3 FT	200	2	1	524.000	6225950
SLAA 1130 R3 FT	300	2	1	545.000	6225952
SLAA 1140 R3 FT	400	2	1	587.000	6225954
SLAA 1150 R3 FT	500	2	1	617.000	6225958
SLAA 1160 R3 FT	600	2	1	649.000	6225960
SLAA 1145 R3 FT	450	2	1	602.000	6225956
SLAA 1175 R3 FT	750	2	1	696.000	6225962
SLAA 1180 R3 FT	800	2	1	711.000	6225964
SLAA 1190 R3 FT	900	2	1	743.000	6225966
SLAA 11100 R3 FT	1000	2	1	774.000	6225968
SLAA 11120 R3 FT	1200	2	1	837.000	6225970

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.

Adjustable bend, vertical 110

St FS FT

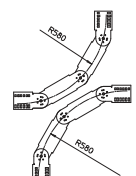


Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBV 115 VS FS	500	1	489.000	6218857
LGBV 112 VS FT	200	1	426.000	6218938
LGBV 113 VS FT	300	1	457.000	6218946
LGBV 114 VS FT	400	1	488.000	6218954
LGBV 115 VS FT	500	1	519.000	6218962
LGBV 116 VS FT	600	1	540.000	6218970

90° adjustable vertical bend, for all cable ladder types with a side height of 110 mm.
The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.

Adjustable bend, vertical 110

St FS



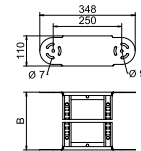
Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBV 112 VS FS	200	1	402.000	6218822
LGBV 113 VS FS	300	1	431.000	6218830
LGBV 114 VS FS	400	1	460.000	6218849
LGBV 116 VS FS	600	1	519.000	6218865

90° adjustable vertical bend, for all cable ladder types with a side height of 110 mm.
The fitting is shipped in an unmounted state including adjustable connectors and the appropriate bolts.

St FS FT

Adjustable bend element 110

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

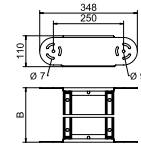


Adjustable bend element with welded rung for use in the cable ladder types with a side height of 110 mm.

St FT

Adjustable bend element 110

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLGBE 1120 FT	200	2	1	172.800	6225530
SLGBE 1130 FT	300	2	1	191.800	6225532
SLGBE 1140 FT	400	2	1	210.800	6225534
SLGBE 1150 FT	500	2	1	229.600	6225538
SLGBE 1160 FT	600	2	1	248.600	6225540

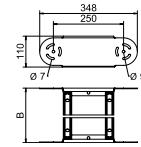


Adjustable bend element, heavy-duty, with welded rung for use in the cable ladder types with a side height of 110 mm.

St FT

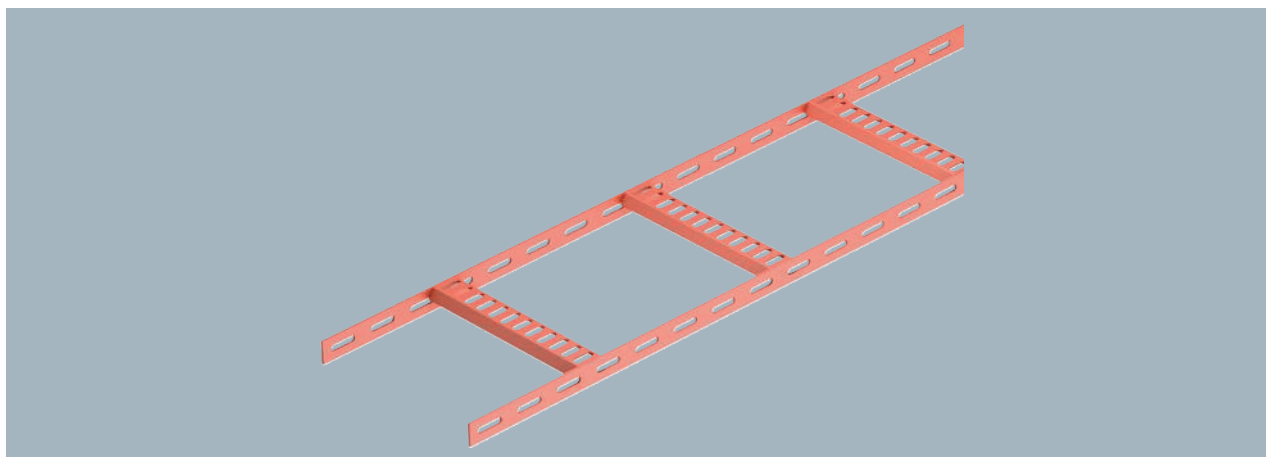
Adjustable bend element 110

Type	Dim. B mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLGBE 1145 FT	450	2	1	220.200	6225536
SLGBE 1175 FT	750	2	1	277.000	6225542
SLGBE 1180 FT	800	2	1	286.400	6225544
SLGBE 1190 FT	900	2	1	305.400	6225546
SLGBE 11100 FT	1000	2	1	324.400	6225548
SLGBE 11120 FT	1200	2	1	362.200	6225550



Adjustable bend element, heavy-duty, with welded rung for use in the cable ladder types with a side height of 110 mm.

Cable ladder with trapezoidal rung, 25



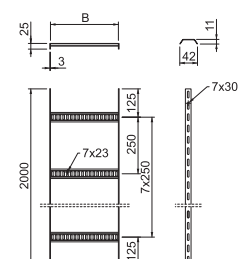
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 SG	75	2	109.000	7097026
SL 42 100 SG	100	2	112.500	7097034
SL 42 150 SG	150	2	119.000	7097042
SL 42 200 SG	200	2	125.500	7097050
SL 42 250 SG	250	2	132.000	7097069
SL 42 300 SG	300	2	139.000	7097077

The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

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.

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

Dimensions

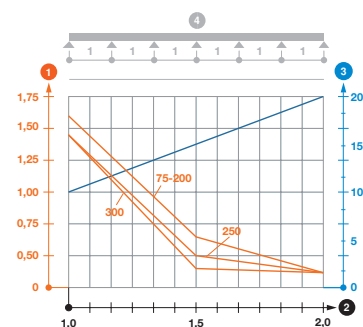


	1.5 m kN/m	2.0 m kN/m
SL 42 075 SG	0.5	0.36
SL 42 100 SG	0.5	0.36
SL 42 150 SG	0.5	0.36
SL 42 200 SG	0.5	0.36
SL 42 250 SG	0.5	0.36
SL 42 300 SG	0.5	0.36

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

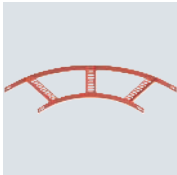
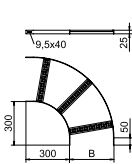
Load



St SG

90° bend with trapezoidal rung, 25

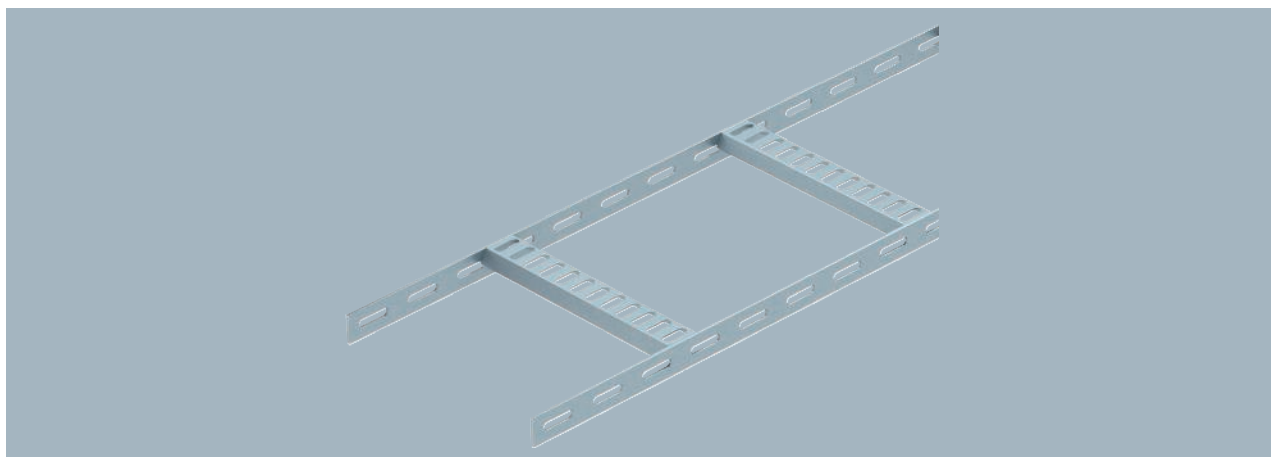
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075 SG	75	3	1	70.600	7098500
SLB 90 42 100 SG	100	3	1	75.800	7098502
SLB 90 42 150 SG	150	3	1	85.400	7098510
SLB 90 42 200 SG	200	3	1	95.000	7098529
SLB 90 42 250 SG	250	3	1	104.600	7098537
SLB 90 42 300 SG	300	3	1	114.300	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.



Cable ladder with trapezoidal rung, 25

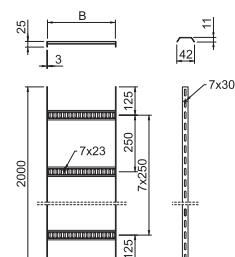


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 FT	75	2	114.000	7097115
SL 42 100 FT	100	2	118.000	7097123
SL 42 150 FT	150	2	125.000	7097131
SL 42 200 FT	200	2	132.500	7097158
SL 42 250 FT	250	2	140.000	7097166
SL 42 300 FT	300	2	147.500	7097174

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.

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

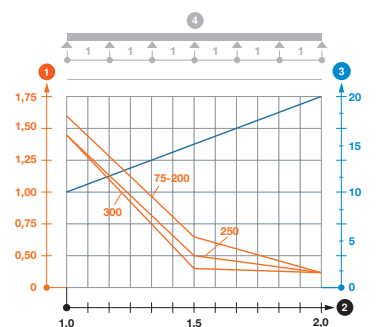
Dimensions



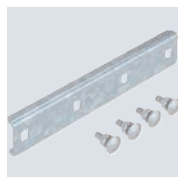
	1.5 m kN/m	2.0 m kN/m
SL 42 075 FT	0.5	0.36
SL 42 100 FT	0.5	0.36
SL 42 150 FT	0.5	0.36
SL 42 200 FT	0.5	0.36
SL 42 250 FT	0.5	0.36
SL 42 300 FT	0.5	0.36

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



Connector 25



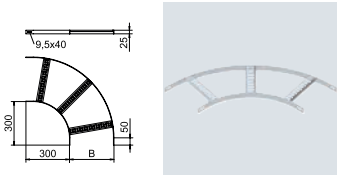
Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 42 FT	20	11.900	7103540
SLV 42 ALU	20	4.951	7103552

Straight connector to connect cable ladders and fittings with a side height of 25 mm.

St FT

90° bend with trapezoidal rung, 25

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

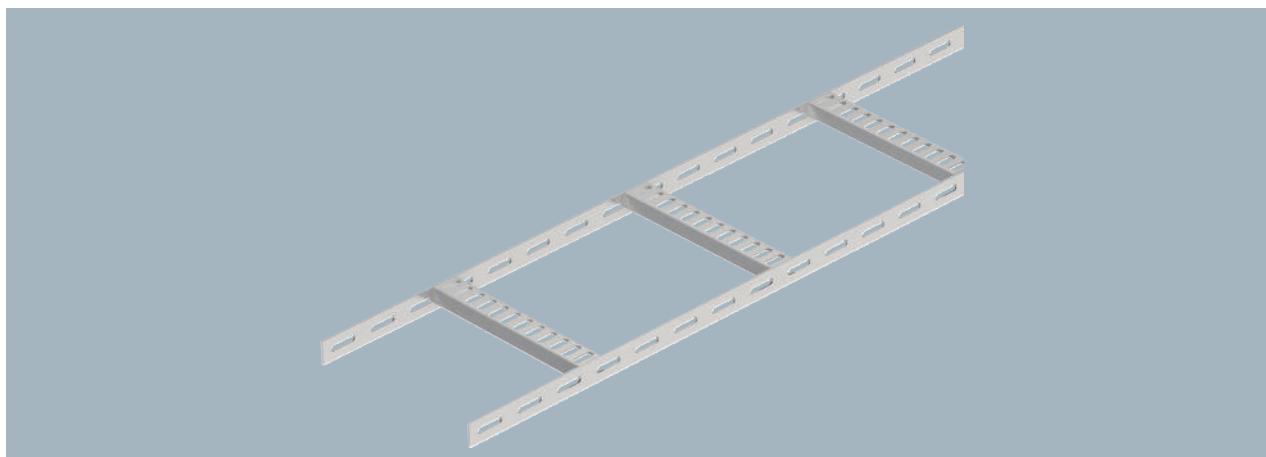


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 25

A2 2B

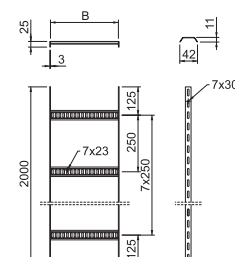


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 A2	75	2	109.000	7097080
SL 42 100 A2	100	2	112.500	7097082
SL 42 150 A2	150	2	119.000	7097084
SL 42 200 A2	200	2	125.500	7097086
SL 42 250 A2	250	2	132.000	7097088
SL 42 300 A2	300	2	139.000	7097090

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.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 42 075 A2	2000	81	25	3
SL 42 100 A2	2000	106	25	3
SL 42 150 A2	2000	156	25	3
SL 42 200 A2	2000	206	25	3
SL 42 250 A2	2000	256	25	3
SL 42 300 A2	2000	306	25	3

Dimensions

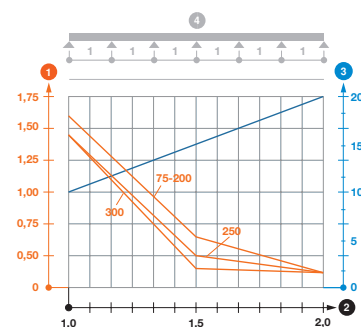


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
SL 42 075 A2	1.6	0.65	0.25
SL 42 100 A2	1.6	0.65	0.25
SL 42 150 A2	1.6	0.65	0.25
SL 42 200 A2	1.6	0.65	0.25
SL 42 250 A2	1.45	0.65	0.25
SL 42 300 A2	1.45	0.65	0.25

Load diagram, SL42 cable ladder

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

Load



Connector 25

Alu A4 2B



Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 42 A4	20	11.300	7103560
SLV 42 ALU	20	4.951	7103552

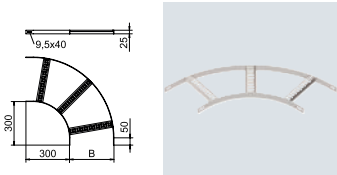
Straight connector to connect cable ladders and fittings with a side height of 25 mm.



A2 2B

90° bend with trapezoidal rung, 25

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075 A2	75	3	1	71.600	7098654
SLB 90 42 100 A2	100	3	1	76.400	7098656
SLB 90 42 150 A2	150	3	1	85.800	7098658
SLB 90 42 200 A2	200	3	1	95.400	7098660
SLB 90 42 250 A2	250	3	1	105.000	7098662
SLB 90 42 300 A2	300	3	1	114.300	7098664

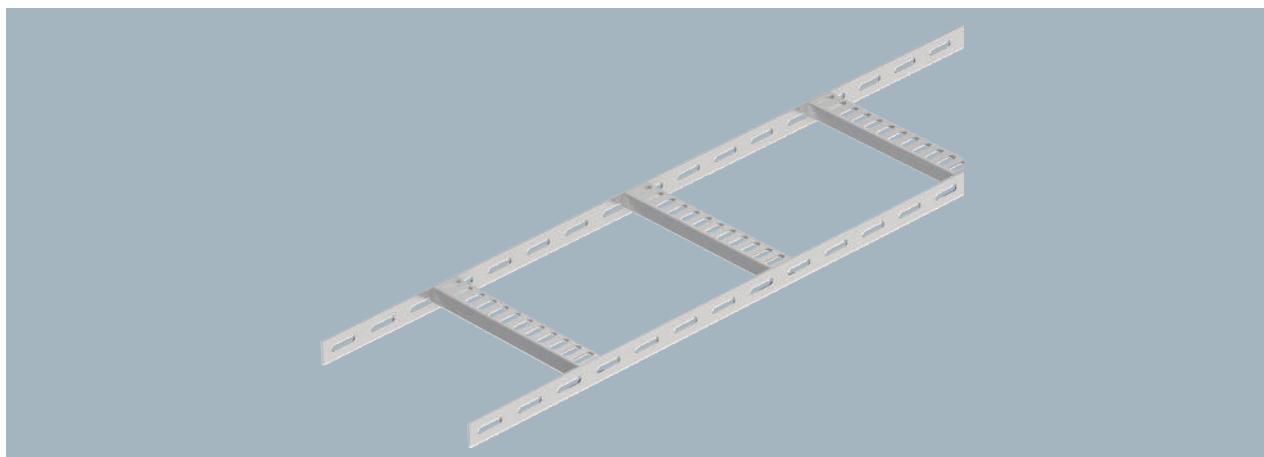


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 25

A4 2B

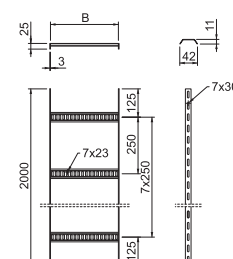


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 A4	75	2	110.850	7099702
SL 42 100 A4	100	2	114.500	7099704
SL 42 150 A4	150	2	120.900	7099706
SL 42 200 A4	200	2	127.600	7099708
SL 42 250 A4	250	2	134.300	7099710
SL 42 300 A4	300	2	140.800	7099712

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.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 42 075 A4	2000	81	25	3
SL 42 100 A4	2000	106	25	3
SL 42 150 A4	2000	156	25	3
SL 42 200 A4	2000	206	25	3
SL 42 250 A4	2000	256	25	3
SL 42 300 A4	2000	306	25	3

Dimensions

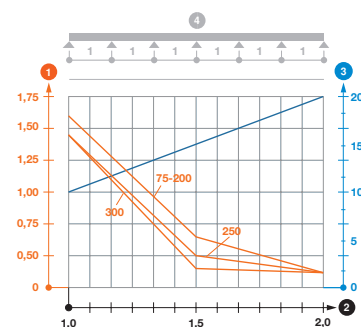


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
SL 42 075 A4	1.6	0.65	0.25
SL 42 100 A4	1.6	0.65	0.25
SL 42 150 A4	1.6	0.65	0.25
SL 42 200 A4	1.6	0.65	0.25
SL 42 250 A4	1.45	0.65	0.25
SL 42 300 A4	1.45	0.65	0.25

Load diagram, SL42 cable ladder

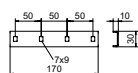
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- ④ Load scheme during testing

Load



Connector 25

A4 2B



Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 42 A4	20	11.300	7103560

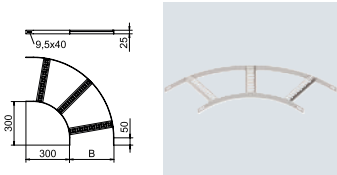
Straight connector to connect cable ladders and fittings with a side height of 25 mm.



A4 2B

90° bend with trapezoidal rung, 25

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 42 075 A4	75	3	1	71.600	7098670
SLB 90 42 100 A4	100	3	1	77.000	7098672
SLB 90 42 150 A4	150	3	1	87.000	7098674
SLB 90 42 200 A4	200	3	1	97.000	7098676
SLB 90 42 250 A4	250	3	1	107.000	7098678
SLB 90 42 300 A4	300	3	1	117.000	7098680

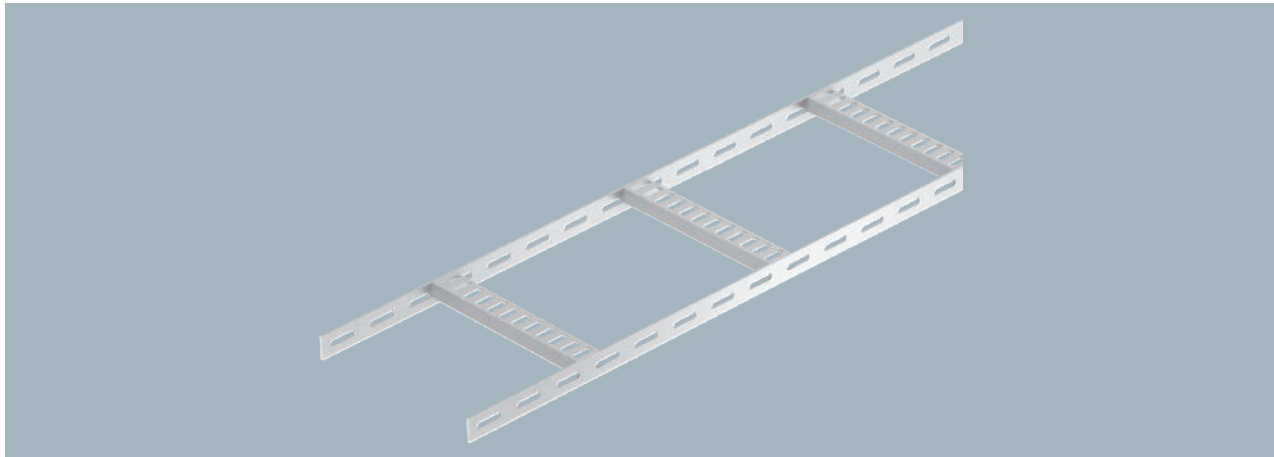


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 25

Alu GB

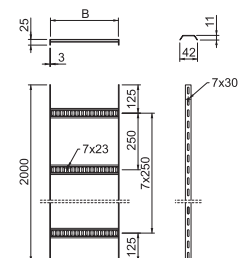


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 42 075 ALU	75	2	41.000	7099722
SL 42 100 ALU	100	2	43.000	7099724
SL 42 150 ALU	150	2	47.500	7099726
SL 42 200 ALU	200	2	52.500	7099728
SL 42 250 ALU	250	2	57.000	7099730
SL 42 300 ALU	300	2	61.500	7099732

Shipbuilding cable ladder with perforated side rail of side height 25 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 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

Dimensions

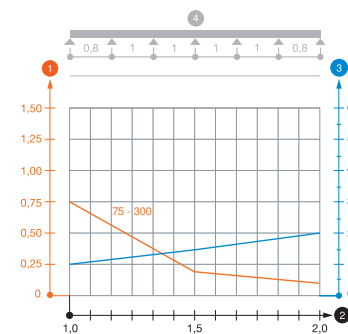


	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m
SL 42 075 ALU	0.75	0.2	0.1
SL 42 100 ALU	0.75	0.2	0.1
SL 42 150 ALU	0.75	0.2	0.1
SL 42 200 ALU	0.75	0.2	0.1
SL 42 250 ALU	0.75	0.2	0.1
SL 42 300 ALU	0.75	0.2	0.1

Load diagram, SL42 cable ladder

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

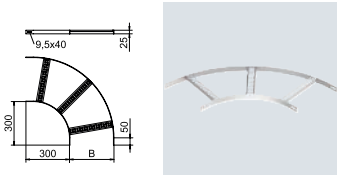
Load



Alu GB

90° bend with trapezoidal rung, 25

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

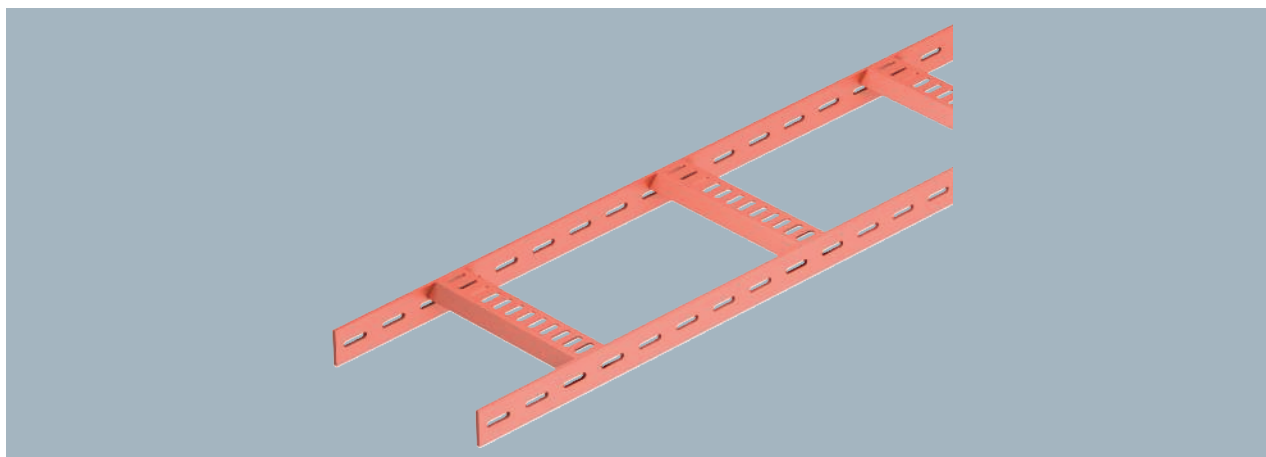


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 42, with a side height of 25 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 40

St SG

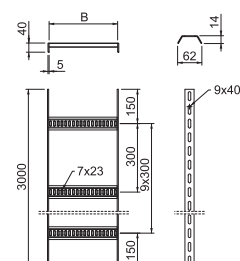


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 SG	100	3	299.000	7097212
SL 62 200 SG	200	3	332.340	7097239
SL 62 300 SG	300	3	365.670	7097247
SL 62 400 SG	400	3	398.670	7097255
SL 62 500 SG	500	3	432.000	7097263
SL 62 600 SG	600	3	465.340	7097271

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

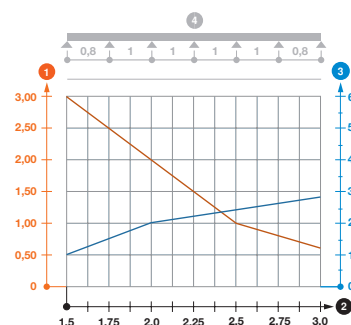


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 SG	3	2	1	0.6
SL 62 200 SG	3	2	1	0.6
SL 62 300 SG	3	2	1	0.6
SL 62 400 SG	3	2	1	0.6
SL 62 500 SG	3	2	1	0.6
SL 62 600 SG	3	2	1	0.6

Load diagram, cable ladder SL62

- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in mm
- 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

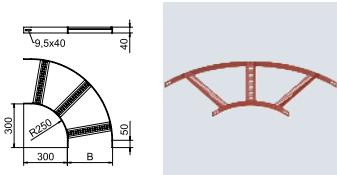
Load



St SG

90° bend with trapezoidal rung, 40

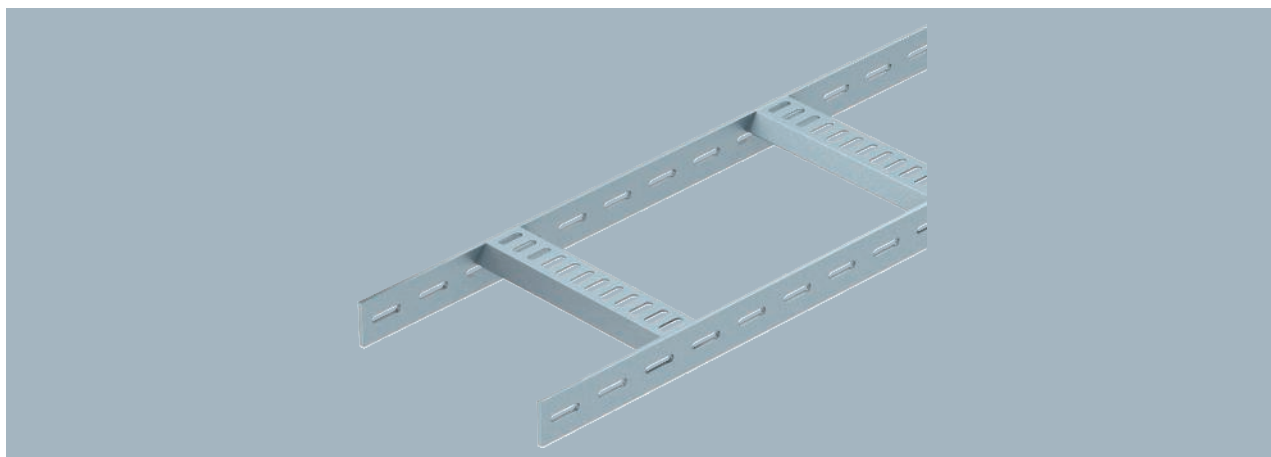
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 62 100 SG	100	5	1	204.000	7098707
SLB 90 62 200 SG	200	5	1	258.400	7098723
SLB 90 62 300 SG	300	5	1	311.000	7098731
SLB 90 62 400 SG	400	5	1	363.000	7098758
SLB 90 62 500 SG	500	5	1	421.000	7098766
SLB 90 62 600 SG	600	5	1	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.



Cable ladder with trapezoidal rung, 40

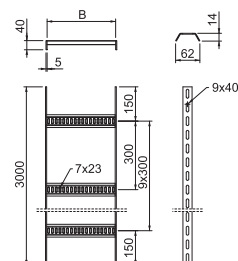


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 FT	100	3	307.300	7097409
SL 62 150 FT	150	3	325.000	7097417
SL 62 200 FT	200	3	342.700	7097425
SL 62 300 FT	300	3	378.000	7097433
SL 62 400 FT	400	3	413.000	7097441
SL 62 500 FT	500	3	448.300	7097468
SL 62 600 FT	600	3	483.700	7097476

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	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

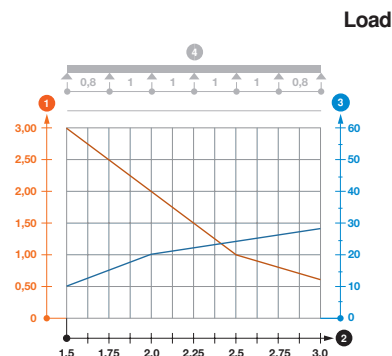
Dimensions



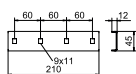
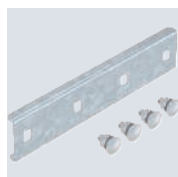
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 FT	3	2	1	0.6
SL 62 150 FT	3	2	1	0.6
SL 62 200 FT	3	2	1	0.6
SL 62 300 FT	3	2	1	0.6
SL 62 400 FT	3	2	1	0.6
SL 62 500 FT	3	2	1	0.6
SL 62 600 FT	3	2	1	0.6

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



Connector 40



Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 62 FT	10	14.600	7103576

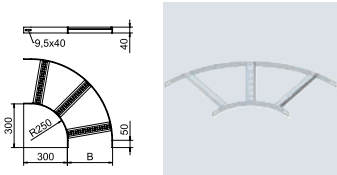
Straight connector to connect cable ladders and fittings with a side height of 40 mm.



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

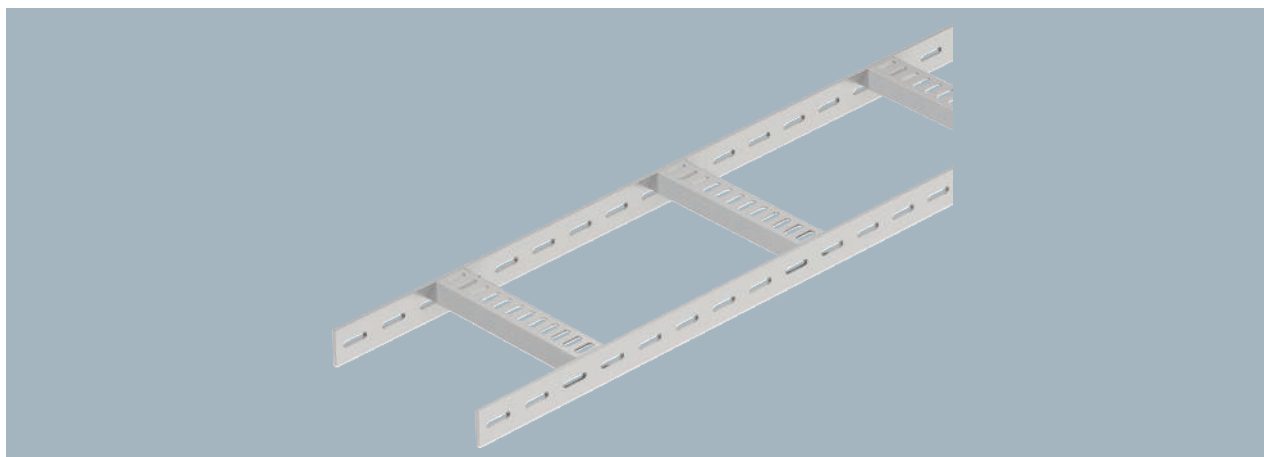


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 40

A2 2B

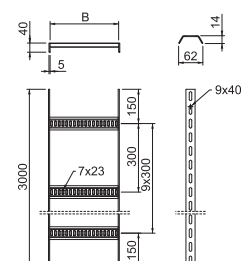


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 A2	100	3	299.000	7097094
SL 62 200 A2	200	3	332.334	7097096
SL 62 300 A2	300	3	365.334	7097098
SL 62 400 A2	400	3	398.667	7097100
SL 62 500 A2	500	3	432.000	7097102
SL 62 600 A2	600	3	465.334	7097104

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	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 62 100 A2	3000	110	40	5
SL 62 200 A2	3000	210	40	5
SL 62 300 A2	3000	310	40	5
SL 62 400 A2	3000	410	40	5
SL 62 500 A2	3000	510	40	5
SL 62 600 A2	3000	610	40	5

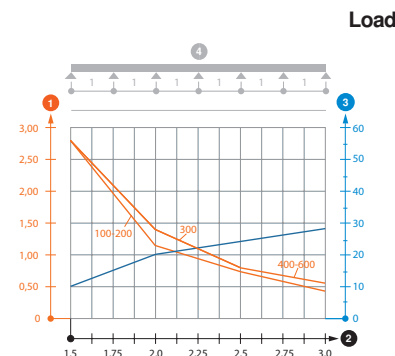
Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 A2	2.8	1.2	0.8	0.45
SL 62 200 A2	2.8	1.2	0.8	0.45
SL 62 300 A2	2.8	1.2	0.8	0.45
SL 62 400 A2	2.8	1.4	0.8	0.55
SL 62 500 A2	2.8	1.4	0.8	0.55
SL 62 600 A2	2.8	1.4	0.8	0.55

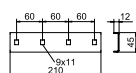
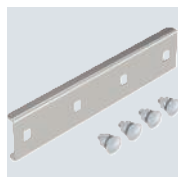
Load diagram, cable ladder SL62

- 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



Connector 40

A4



Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 62 A4	10	14.600	7103594

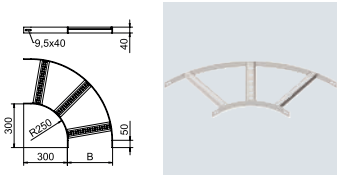
Straight connector to connect cable ladders and fittings with a side height of 40 mm.



A2 2B

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 A2	100	5	1	206.800	7099150
SLB 90 62 200 A2	200	5	1	261.700	7099152
SLB 90 62 300 A2	300	5	1	316.700	7099154
SLB 90 62 400 A2	400	5	1	371.600	7099156
SLB 90 62 500 A2	500	5	1	426.500	7099158
SLB 90 62 600 A2	600	5	1	481.400	7099160

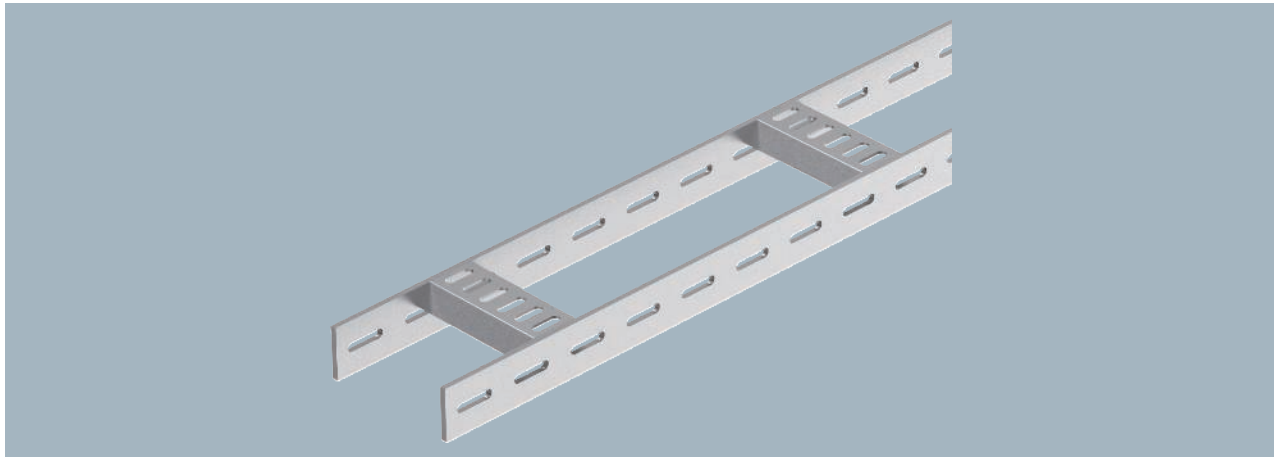


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 40

A4 2B

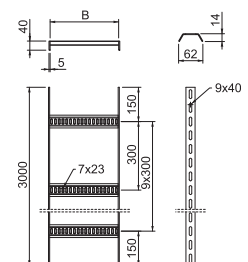


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 A4	100	3	299.000	7097358
SL 62 200 A4	200	3	332.334	7097360
SL 62 300 A4	300	3	365.334	7097362
SL 62 400 A4	400	3	398.667	7097364
SL 62 500 A4	500	3	432.000	7097366
SL 62 600 A4	600	3	465.334	7097368

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	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SL 62 100 A4	3000	110	40	5
SL 62 200 A4	3000	210	40	5
SL 62 300 A4	3000	310	40	5
SL 62 400 A4	3000	410	40	5
SL 62 500 A4	3000	510	40	5
SL 62 600 A4	3000	610	40	5

Dimensions

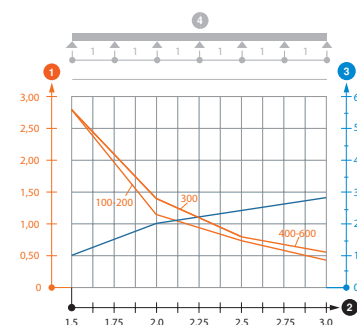


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 A4	2.8	1.2	0.8	0.45
SL 62 200 A4	2.8	1.2	0.8	0.45
SL 62 300 A4	2.8	1.2	0.8	0.45
SL 62 400 A4	2.8	1.4	0.8	0.55
SL 62 500 A4	2.8	1.4	0.8	0.55
SL 62 600 A4	2.8	1.4	0.8	0.55

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

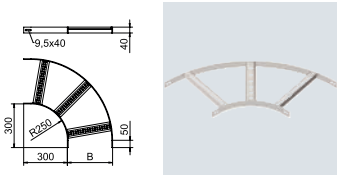
Load



A4 2B

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 A4	100	5	1	209.000	7099168
SLB 90 62 200 A4	200	5	1	265.000	7099170
SLB 90 62 300 A4	300	5	1	321.000	7099172
SLB 90 62 400 A4	400	5	1	376.000	7099174
SLB 90 62 500 A4	500	5	1	432.000	7099176
SLB 90 62 600 A4	600	5	1	488.000	7099178

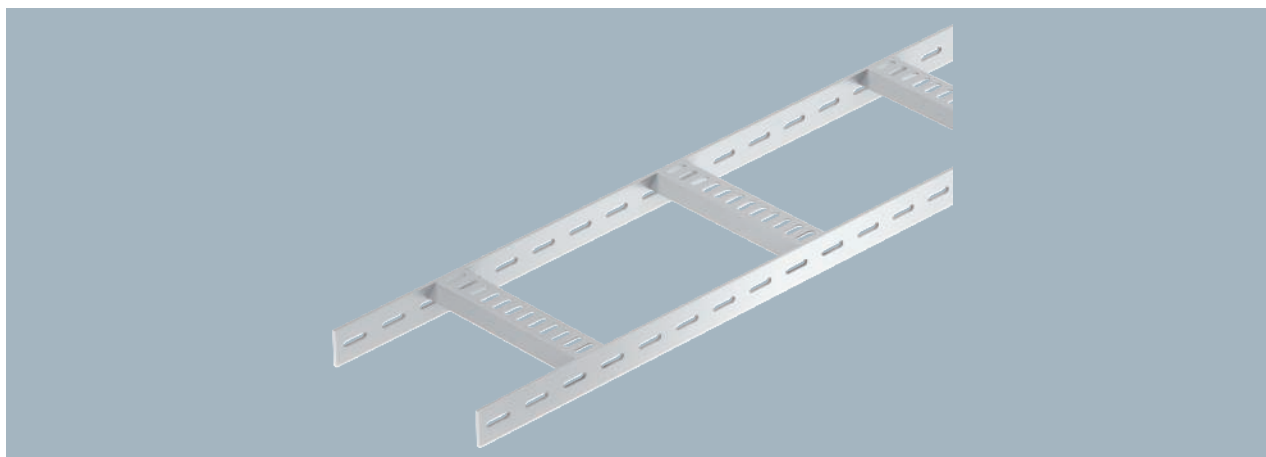


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SL 62, with side height of 40 mm with welded, perforated trapezoidal rungs which open in a downwards direction.



Cable ladder with trapezoidal rung, 40

Alu GB

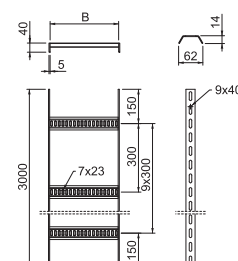


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SL 62 100 ALU	100	3	99.800	7099752
SL 62 200 ALU	200	3	111.067	7099754
SL 62 300 ALU	300	3	122.300	7099756
SL 62 400 ALU	400	3	133.567	7099758
SL 62 500 ALU	500	3	144.833	7099760
SL 62 600 ALU	600	3	156.100	7099762

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

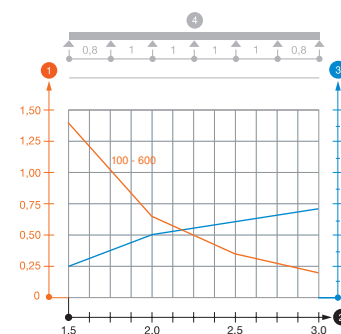


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SL 62 100 ALU	1.4	0.65	0.35	0.2
SL 62 200 ALU	1.4	0.65	0.35	0.2
SL 62 300 ALU	1.4	0.65	0.35	0.2
SL 62 400 ALU	1.4	0.65	0.35	0.2
SL 62 500 ALU	1.4	0.65	0.35	0.2
SL 62 600 ALU	1.4	0.65	0.35	0.2

Load diagram, SL 62 cable ladder

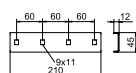
- ① Permitted cable tray/ladder load in kN/m without man load
- ② Support width in m
- ③ Rail bend in mm at permitted kN/m
- ④ Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width

Load



Connector 40

Alu



Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 62 ALU	10	7.000	7103586

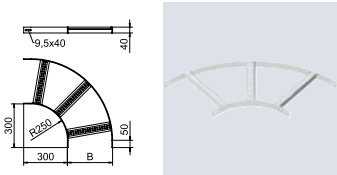
Straight connector to connect cable ladders and fittings with a side height of 40 mm.



Alu GB

90° bend with trapezoidal rung, 40

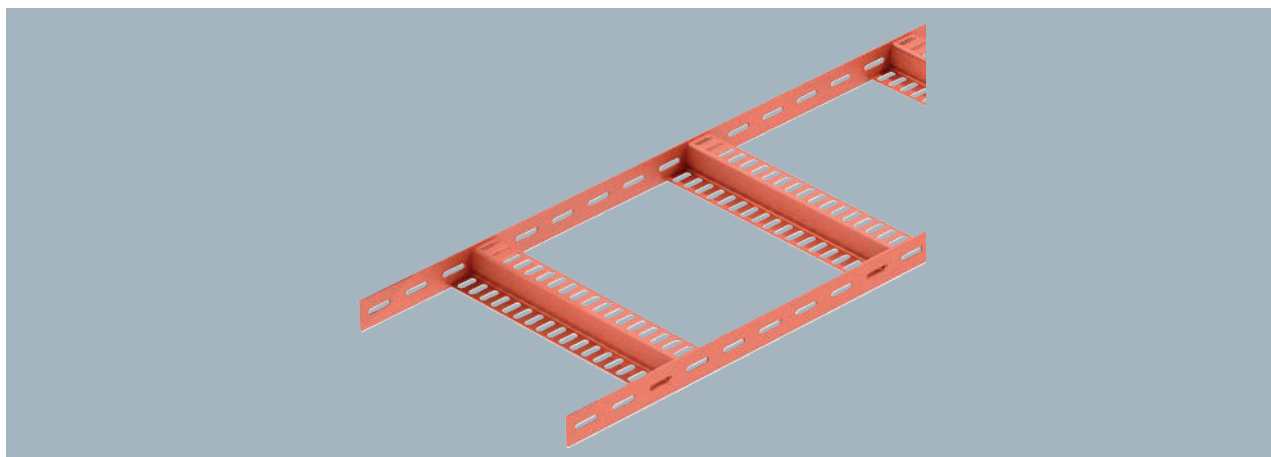
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLB 90 62 100ALU	100	5	1	69.600	7099186
SLB 90 62 200ALU	200	5	1	88.100	7099188
SLB 90 62 300ALU	300	5	1	106.600	7099190
SLB 90 62 400ALU	400	5	1	125.100	7099192
SLB 90 62 500ALU	500	5	1	143.600	7099194
SLB 90 62 600ALU	600	5	1	162.100	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.



Cable ladder with Z rung, 35

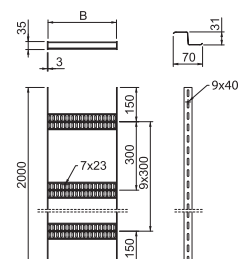


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 SG	100	3	167.000	7098032
SLZ L 200 SG	200	3	187.667	7098036
SLZ L 300 SG	300	3	208.667	7098038
SLZ L 400 SG	400	3	229.334	7098040
SLZ L 500 SG	500	3	250.000	7098042
SLZ L 600 SG	600	3	270.667	7098044

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.

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

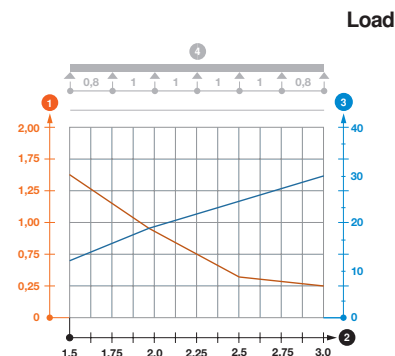
Dimensions



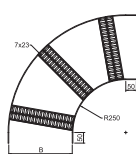
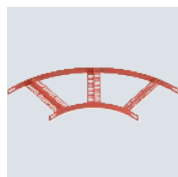
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 SG	1.5	0.85	0.35	0.25
SLZ L 200 SG	1.5	0.85	0.35	0.25
SLZ L 300 SG	1.5	0.85	0.35	0.25
SLZ L 400 SG	1.5	0.85	0.35	0.25
SLZ L 500 SG	1.5	0.85	0.35	0.25
SLZ L 600 SG	1.5	0.85	0.35	0.25

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



90° bend with Z rung, 35



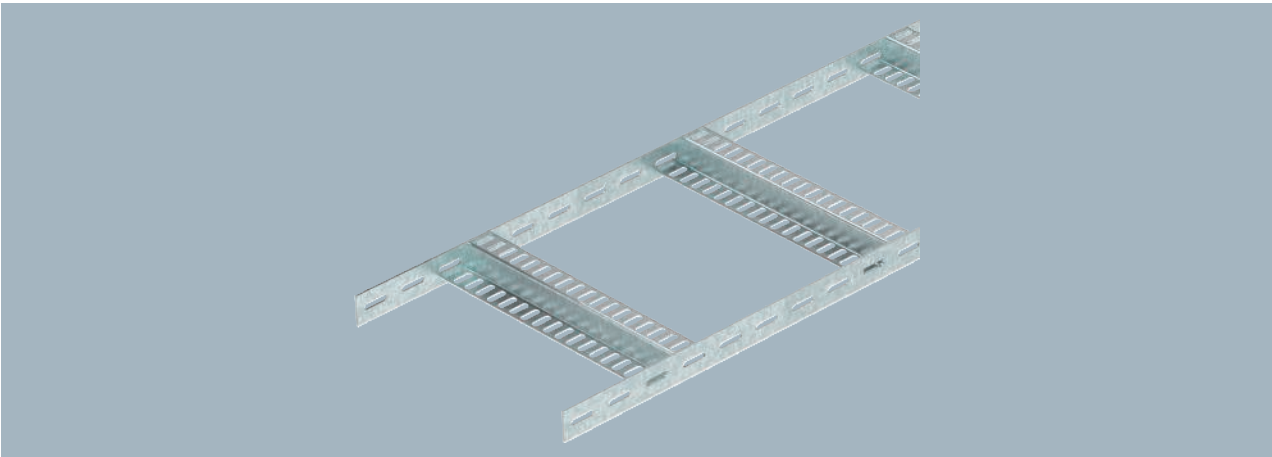
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB L 90 100 SG	100	3	1	111.000	7099201
SLZB L 90 200 SG	200	3	1	143.000	7099203
SLZB L 90 300 SG	300	3	1	174.000	7099205
SLZB L 90 400 SG	400	3	1	206.000	7099208
SLZB L 90 500 SG	500	3	1	237.000	7099210
SLZB L 90 600 SG	600	3	1	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.



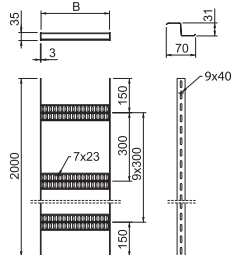
Cable ladder with Z rung, 35



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.

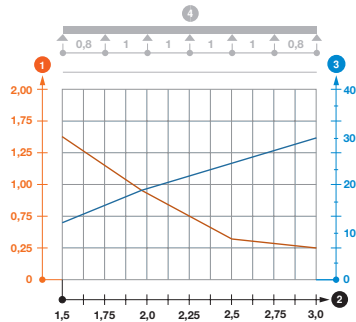
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 FT	100	3	175.334	7098002
SLZ L 200 FT	200	3	198.334	7098006
SLZ L 300 FT	300	3	221.667	7098008
SLZ L 400 FT	400	3	245.000	7098010
SLZ L 500 FT	500	3	268.334	7098012
SLZ L 600 FT	600	3	291.667	7098014

Dimensions



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

Load



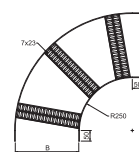
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 FT	1.5	0.85	0.35	0.25
SLZ L 200 FT	1.5	0.85	0.35	0.25
SLZ L 300 FT	1.5	0.85	0.35	0.25
SLZ L 400 FT	1.5	0.85	0.35	0.25
SLZ L 500 FT	1.5	0.85	0.35	0.25
SLZ L 600 FT	1.5	0.85	0.35	0.25

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

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
SLZB L 90 600 FT	600	3	1	288.800	7099232



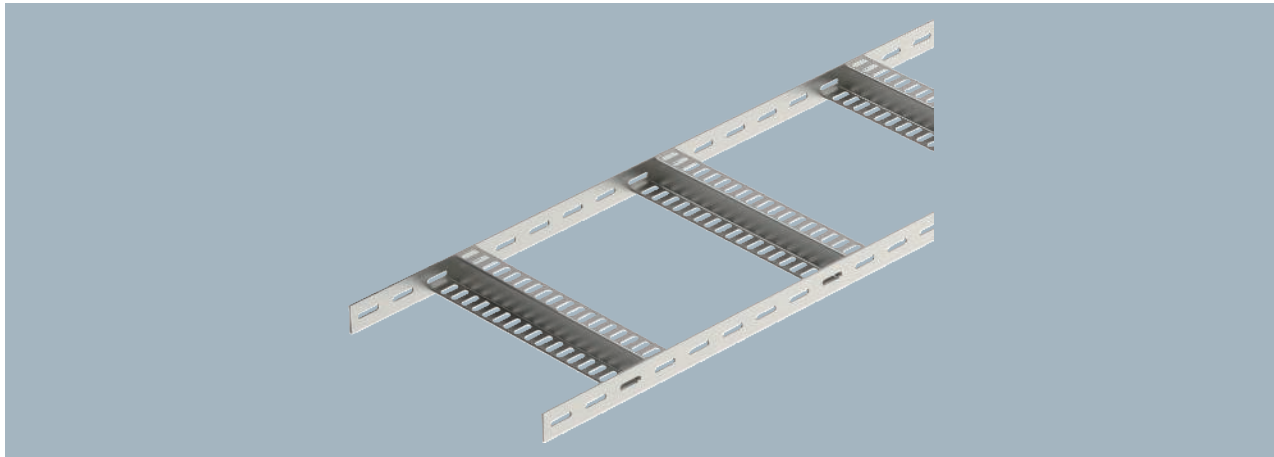
Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ L, with side height of 35 mm with welded, perforated Z rungs.



Cable ladder with Z rung, 35

A2 2B

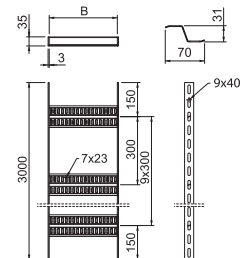


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 A2	100	3	167.000	7098062
SLZ L 200 A2	200	3	187.667	7098066
SLZ L 300 A2	300	3	208.667	7098068
SLZ L 400 A2	400	3	229.167	7098070
SLZ L 500 A2	500	3	250.000	7098072
SLZ L 600 A2	600	3	270.667	7098074

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.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ L 100 A2	3000	106	35	3
SLZ L 200 A2	3000	206	35	3
SLZ L 300 A2	3000	306	35	3
SLZ L 400 A2	3000	406	35	3
SLZ L 500 A2	3000	506	35	3
SLZ L 600 A2	3000	606	35	3

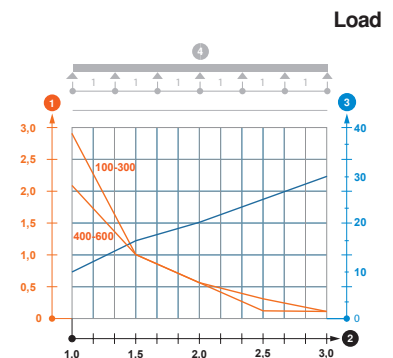
Dimensions



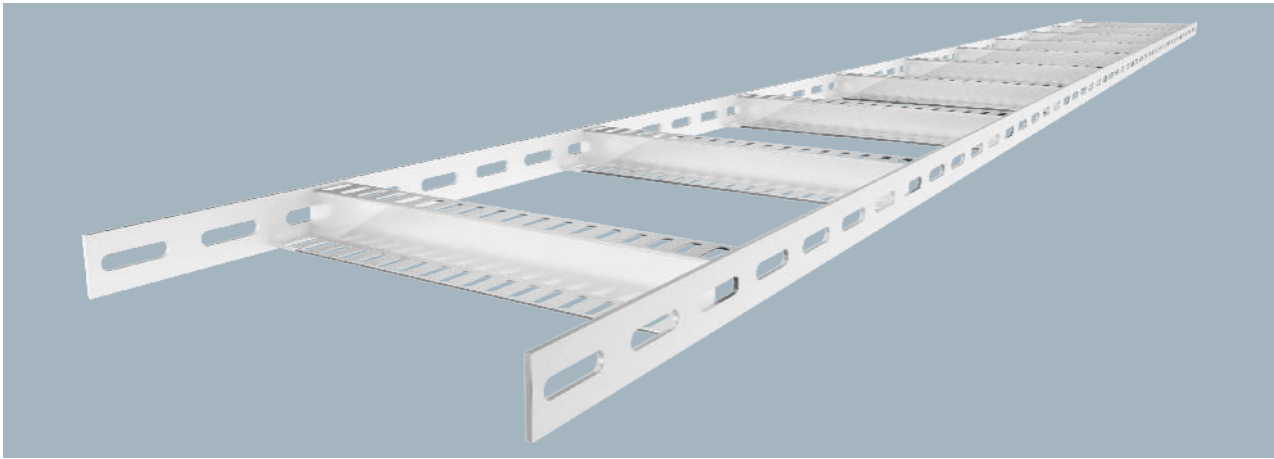
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 A2	2.8	1	0.55	0.35	0.25
SLZ L 200 A2	2.8	1	0.55	0.35	0.25
SLZ L 300 A2	2.8	1	0.55	0.35	0.25
SLZ L 400 A2	2.2	1	0.55	0.25	0.25
SLZ L 500 A2	2.2	1	0.55	0.25	0.25
SLZ L 600 A2	2.2	1	0.55	0.25	0.25

Load diagram, SLZ L 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



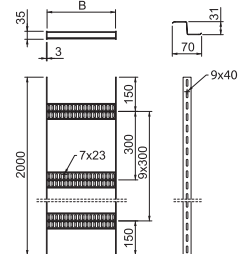
Cable ladder with Z rung, light-duty FTK, Traffic white



Marine cable ladder with perforated side rail of side height 35 mm with welded, perforated Z-rungs.

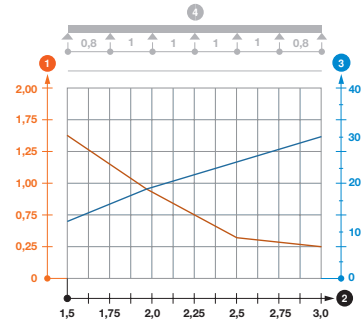
Type	Width mm	Colour	Pack m	Weight kg/100 m	Item no.
SLZL 100MW FTKVW	100	Traffic white	3	166.600	7098300
SLZL 200MW FTKVW	200	Traffic white	3	189.600	7098302

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZL 100MW FTKVW	3000	106	35	3
SLZL 200MW FTKVW	3000	206	35	3

Load



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZL 100MW FTKVW	1.5	0.85	0.35	0.25
SLZL 200MW FTKVW	1.5	0.85	0.35	0.25

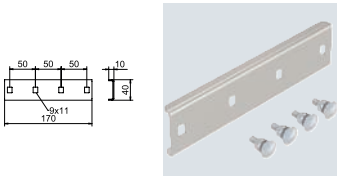
Load diagram, SLZ L cable ladder

- 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

A4

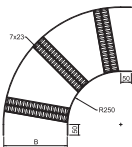
Type	Pack Piece	Weight kg/100 pc.	Item no.
SLV 52 A4	10	14.000	7103592

Straight connector to connect cable ladders and fittings with a side height of 35 mm.



Connector 35

90° bend, 35

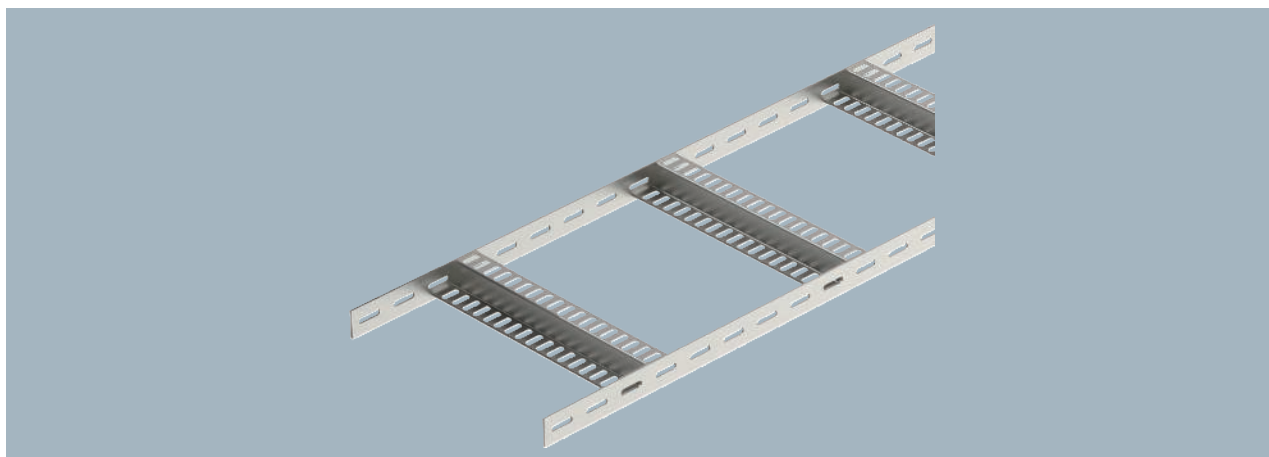


Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB L 90 100 A2	100	3	1	113.000	7099241
SLZB L 90 200 A2	200	3	1	145.000	7099243
SLZB L 90 300 A2	300	3	1	176.000	7099245
SLZB L 90 400 A2	400	3	1	208.000	7099247
SLZB L 90 500 A2	500	3	1	240.000	7099249
SLZB L 90 600 A2	600	3	1	272.000	7099251

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.



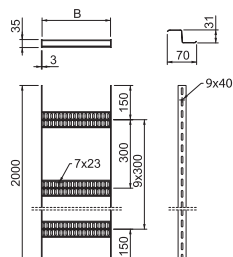
Cable ladder with Z rung, 35



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.

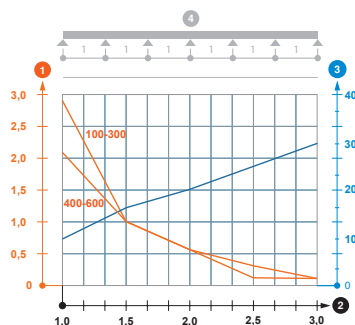
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ L 100 A4	100	3	167.000	7098082
SLZ L 200 A4	200	3	187.667	7098086
SLZ L 300 A4	300	3	208.667	7098088
SLZ L 400 A4	400	3	229.334	7098090
SLZ L 500 A4	500	3	250.000	7098092
SLZ L 600 A4	600	3	270.667	7098094

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ L 100 A4	3000	106	35	3
SLZ L 200 A4	3000	206	35	3
SLZ L 300 A4	3000	306	35	3
SLZ L 400 A4	3000	406	35	3
SLZ L 500 A4	3000	506	35	3
SLZ L 600 A4	3000	606	35	3

Load



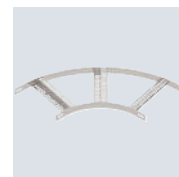
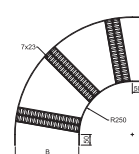
	1.0 m kN/m	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ L 100 A4	2.8	1	0.55	0.35	0.25
SLZ L 200 A4	2.8	1	0.55	0.35	0.25
SLZ L 300 A4	2.8	1	0.55	0.35	0.25
SLZ L 400 A4	2.2	1	0.55	0.25	0.25
SLZ L 500 A4	2.2	1	0.55	0.25	0.25
SLZ L 600 A4	2.2	1	0.55	0.25	0.25

Load diagram, SLZ L 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

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 A4	100	3	1	114.000	7099261
SLZB L 90 200 A4	200	3	1	146.400	7099263
SLZB L 90 300 A4	300	3	1	178.700	7099265
SLZB L 90 400 A4	400	3	1	211.000	7099268
SLZB L 90 500 A4	500	3	1	243.400	7099270
SLZB L 90 600 A4	600	3	1	275.700	7099272

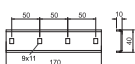


Connectors should be ordered separately and in the appropriate quantity.

90° bend for shipbuilding cable ladders, type SLZ L, with side height of 35 mm with welded, perforated Z rungs.



St FT



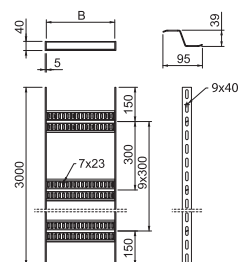
The bolt fastening ensures the continuity of the equipotential bonding.

St SG

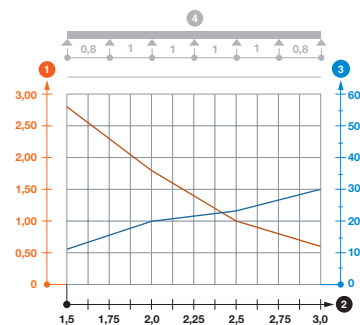


Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs. Load tested according to IEC in conjunction with connector, type SLV. Welding primer type SIGMA-WELD 199, also available in white.

Dimensions



Load

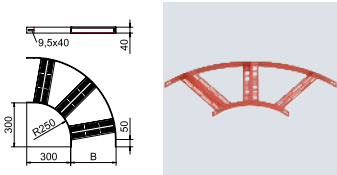


- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width
- 4 Load scheme during testing

St SG

90° bend with Z rung, 40

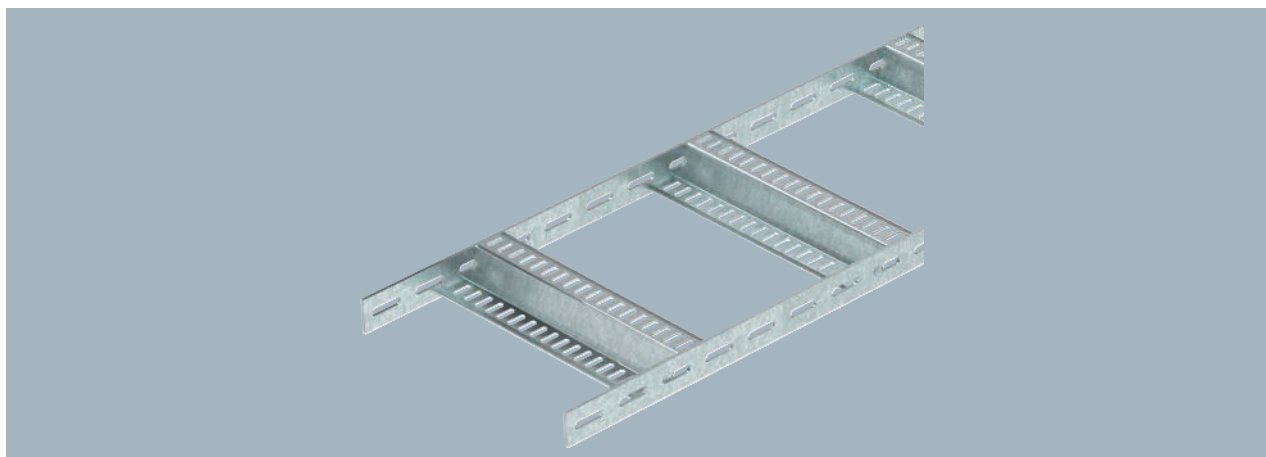
Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 SG	100	5	1	222.200	7098976
SLZB 90 200 SG	200	5	1	295.100	7098978
SLZB 90 300 SG	300	5	1	338.600	7098980
SLZB 90 400 SG	400	5	1	441.300	7098982
SLZB 90 500 SG	500	5	1	514.000	7098984
SLZB 90 600 SG	600	5	1	586.600	7098986



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.



Cable ladder with Z rung, 40

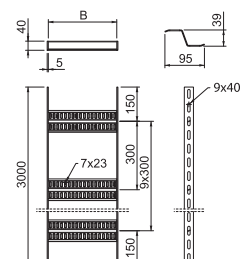


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 FT	100	3	328.667	7098132
SLZ 150 FT	150	3	357.000	7098133
SLZ 200 FT	200	3	385.334	7098134
SLZ 300 FT	300	3	441.667	7098136
SLZ 400 FT	400	3	498.166	7098138
SLZ 500 FT	500	3	554.667	7098140
SLZ 600 FT	600	3	611.333	7098142

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.

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

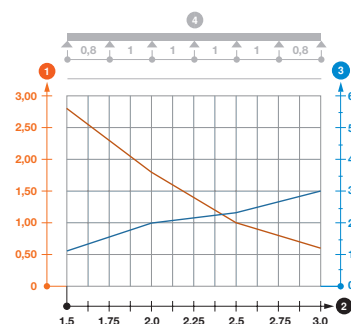


	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 FT	2.8	1.75	1	0.6
SLZ 150 FT	2.8	1.75	1	0.6
SLZ 200 FT	2.8	1.75	1	0.6
SLZ 300 FT	2.8	1.75	1	0.6
SLZ 400 FT	2.8	1.75	1	0.6
SLZ 500 FT	2.8	1.75	1	0.6
SLZ 600 FT	2.8	1.75	1	0.6

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

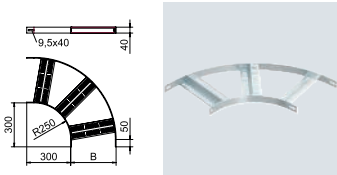
Load



St FT

90° bend with Z rung, 40

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 90 300 FT	300	5	1	382.000	7099004
SLZB 90 400 FT	400	5	1	458.000	7099006
SLZB 90 500 FT	500	5	1	533.000	7099008
SLZB 90 600 FT	600	5	1	609.000	7099010

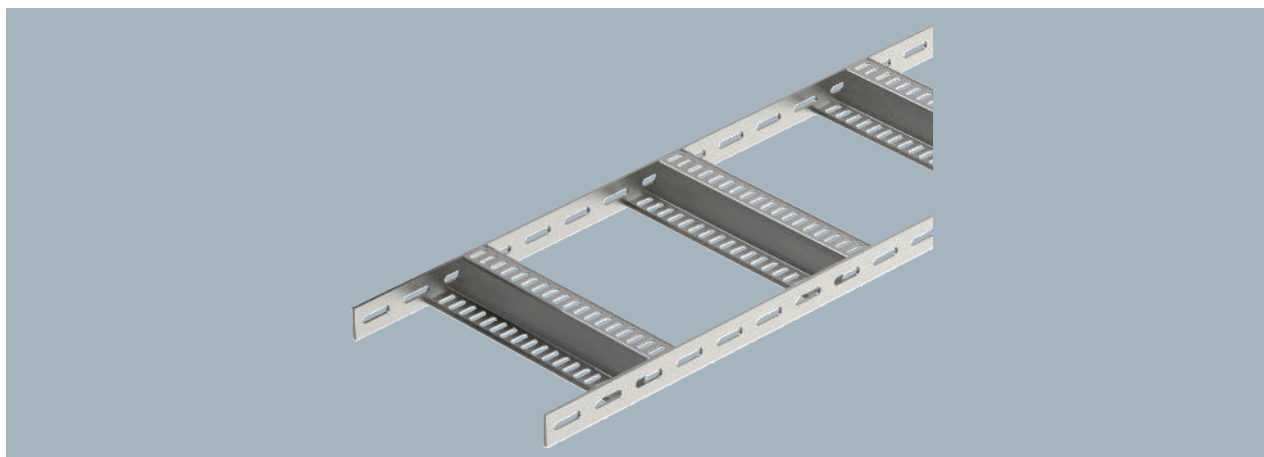


Connectors should be ordered separately and in the appropriate quantity.
90° bend for shipbuilding cable ladders, type SLZ, with side height of 40 mm with welded, perforated Z rungs.



Cable ladder with Z rung, 40

A2 2B

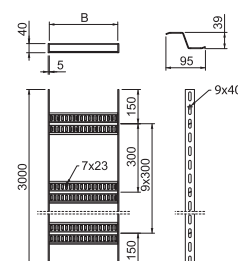


Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 A2	100	3	319.000	7098192
SLZ 200 A2	200	3	372.400	7098194
SLZ 300 A2	300	3	425.670	7098196
SLZ 400 A2	400	3	479.000	7098198
SLZ 500 A2	500	3	532.340	7098200
SLZ 600 A2	600	3	585.670	7098202

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.

Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ 100 A2	3000	110	40	5
SLZ 200 A2	3000	210	40	5
SLZ 300 A2	3000	310	40	5
SLZ 400 A2	3000	410	40	5
SLZ 500 A2	3000	510	40	5
SLZ 600 A2	3000	610	40	5

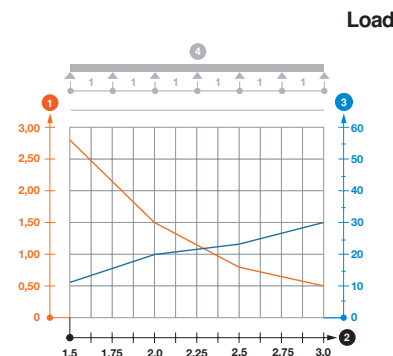
Dimensions



	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 A2	2.8	1.5	0.8	0.5
SLZ 200 A2	2.8	1.5	0.8	0.5
SLZ 300 A2	2.8	1.5	0.8	0.5
SLZ 400 A2	2.8	1.5	0.8	0.5
SLZ 500 A2	2.8	1.5	0.8	0.5
SLZ 600 A2	2.8	1.5	0.8	0.5

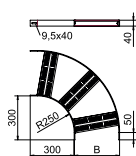
Load diagram, cable ladder SLZ

- 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



90° bend with Z rung, 40

A2 2B

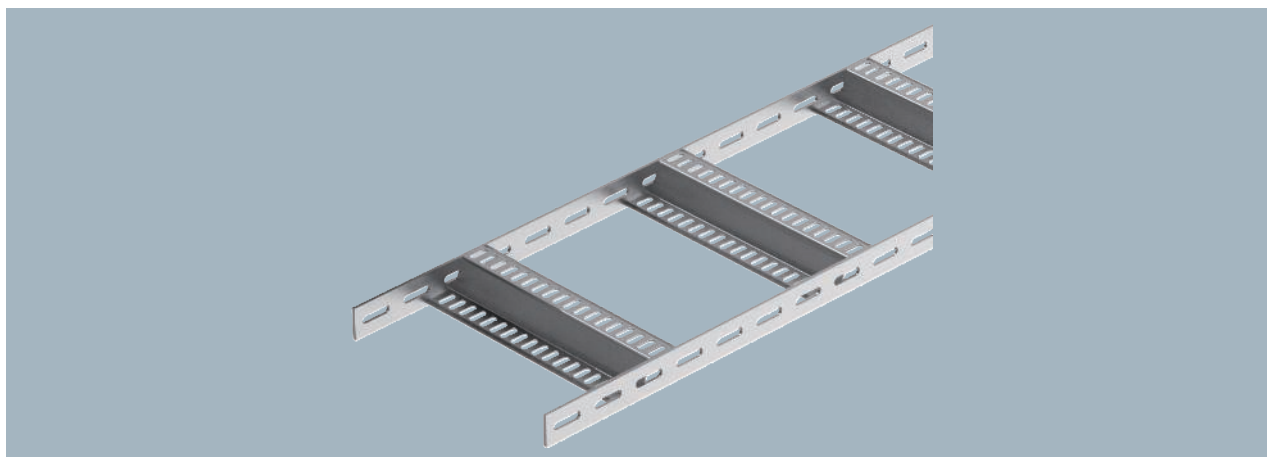


Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 A2	100	5	1	225.100	7099030
SLZB 90 200 A2	200	5	1	298.300	7099032
SLZB 90 300 A2	300	5	1	371.500	7099034
SLZB 90 400 A2	400	5	1	444.600	7099036
SLZB 90 500 A2	500	5	1	517.700	7099038
SLZB 90 600 A2	600	5	1	590.900	7099040

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.

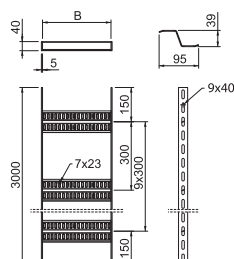
Cable ladder with Z rung, 40



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.

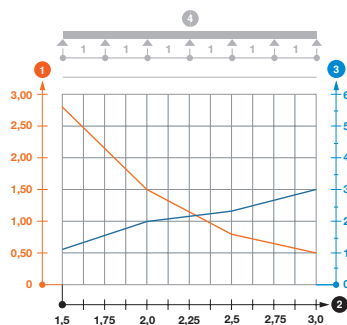
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 A4	100	3	319.000	7098222
SLZ 200 A4	200	3	372.340	7098224
SLZ 300 A4	300	3	427.670	7098226
SLZ 400 A4	400	3	479.000	7098228
SLZ 500 A4	500	3	532.340	7098230
SLZ 600 A4	600	3	585.670	7098232

Dimensions



Type	Length mm	Dim. B mm	Side height mm	Rail thick- ness mm
SLZ 100 A4	3000	110	40	5
SLZ 200 A4	3000	210	40	5
SLZ 300 A4	3000	310	40	5
SLZ 400 A4	3000	410	40	5
SLZ 500 A4	3000	510	40	5
SLZ 600 A4	3000	610	40	5

Load



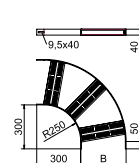
	1.5 m kN/m	2.0 m kN/m	2.5 m kN/m	3.0 m kN/m
SLZ 100 A4	2.8	1.5	0.8	0.5
SLZ 200 A4	2.8	1.5	0.8	0.5
SLZ 300 A4	2.8	1.5	0.8	0.5
SLZ 400 A4	2.8	1.5	0.8	0.5
SLZ 500 A4	2.8	1.5	0.8	0.5
SLZ 600 A4	2.8	1.5	0.8	0.5

Load diagram, cable ladder SLZ

- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in mm
- 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

90° bend with Z rung, 40

Type	Width mm	Rail thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
SLZB 90 100 A4	100	5	1	227.900	7099060
SLZB 90 200 A4	200	5	1	302.100	7099062
SLZB 90 300 A4	300	5	1	376.200	7099064
SLZB 90 400 A4	400	5	1	450.200	7099066
SLZB 90 500 A4	500	5	1	524.300	7099068
SLZB 90 600 A4	600	5	1	598.300	7099070



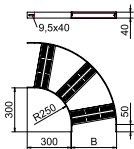
Connectors should be ordered separately and in the appropriate quantity.

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.

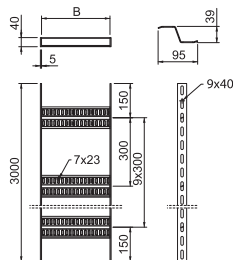




Shipbuilding cable ladder with perforated side rail of side height 40 mm with welded, perforated Z rungs.
The shipbuilding cable ladder, including fittings, is also available in stainless steel on request. Powder coating according to RAL colours possible.

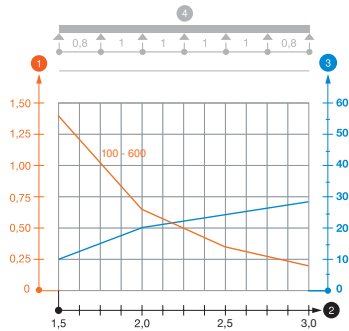
Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLZ 100 ALU	100	3	106.600	7099772
SLZ 200 ALU	200	3	124.667	7099774
SLZ 300 ALU	300	3	142.734	7099776
SLZ 400 ALU	400	3	160.767	7099778
SLZ 500 ALU	500	3	178.834	7099780
SLZ 600 ALU	600	3	196.900	7099782

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

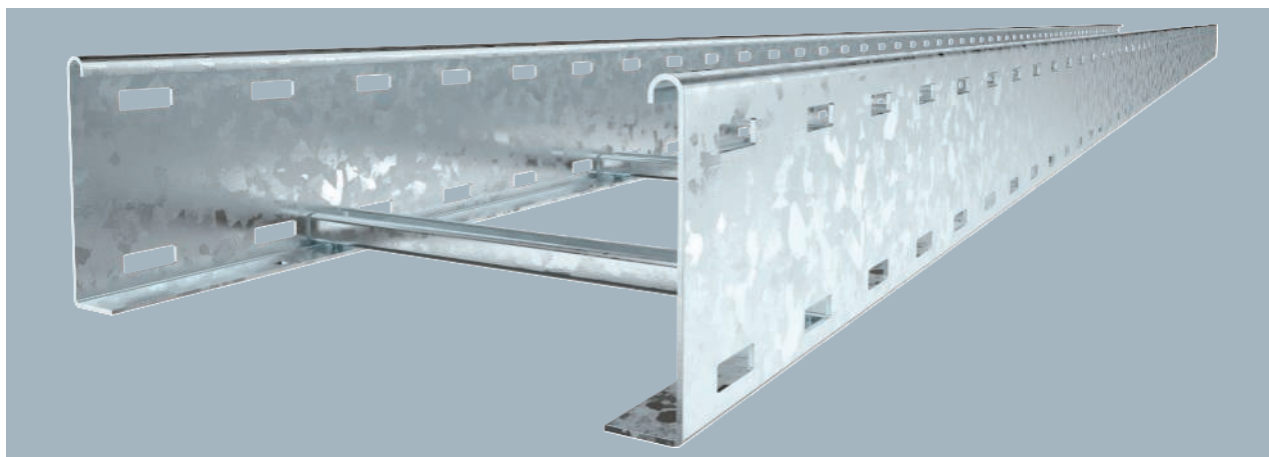
Load



	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

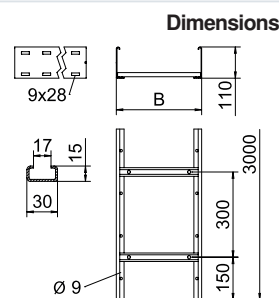
- 1 Permitted cable tray/ladder load in kN/m without man load
- 2 Support width in m
- 3 Rail bend in mm at permitted kN/m
- 4 Load scheme during testing
- Load curve with cable tray/ladder width in mm
- Strut bend curve according to support width



Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLCS 1120 3 FTSO	200	3	536.740	7186400
SLCS 1140 3 FTSO	400	3	606.070	7186404
SLCS 1150 3 FTSO	500	3	640.333	7186406
SLCS 1160 3 FTSO	600	3	675.333	7186408
SLCS 1175 3 FTSO	750	3	727.000	7186410
SLCS 1180 3 FTSO	800	3	744.667	7186412
SLCS 1190 3 FTSO	900	3	779.000	7186414
SLCS 11100 3FTSO	1000	3	845.667	7186416

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 U clamp clip is type 2056.

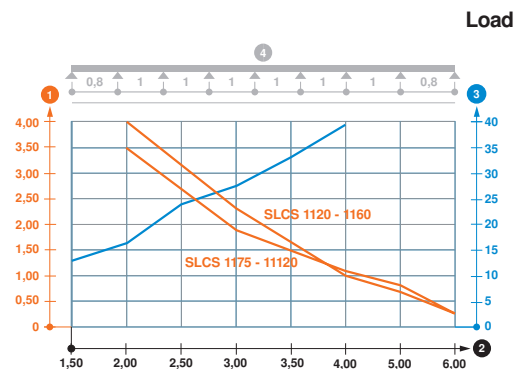
Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
SLCS 1120 3 FTSO	3000	—	2	180	300
SLCS 1140 3 FTSO	3000	—	2	360	300
SLCS 1150 3 FTSO	3000	—	2	450	300
SLCS 1160 3 FTSO	3000	—	2	540	300
SLCS 1175 3 FTSO	3000	—	2	675	300
SLCS 1180 3 FTSO	3000	—	2	720	300
SLCS 1190 3 FTSO	3000	—	2	810	300
SLCS 11100 3FTSO	3000	—	2	900	300



	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 FTSO	4	2.3	1	0.7	0.25
SLCS 1140 3 FTSO	4	2.3	1	0.7	0.25
SLCS 1150 3 FTSO	4	2.3	1	0.7	0.25
SLCS 1160 3 FTSO	4	2.3	1	0.7	0.25
SLCS 1175 3 FTSO	3.5	1.9	1	0.8	0.25
SLCS 1180 3 FTSO	3.5	1.9	1	0.8	0.25
SLCS 1190 3 FTSO	3.5	1.9	1	0.8	0.25
SLCS 11100 3FTSO	3.5	1.9	1	0.8	0.25

Load diagram, cable ladder, type SLCS 110

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

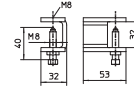


St FT

KLL 32 cable ladder beam clamp

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 32 FT	32	10	17.500	6221061

Beam clamp for fastening cable ladders to steel girders.

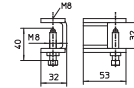


A2 2B

KLL 32 cable ladder beam clamp

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 32 A2	32	10	17.100	6221063

Beam clamp for fastening cable ladders to steel girders.

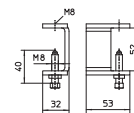


St FT

KLL 52 cable ladder beam clamp

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 52 FT	52	10	21.400	6221071

Beam clamp for fastening cable ladders to steel girders.

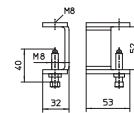


A2 2B

KLL 52 cable ladder beam clamp

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 52 A2	52	10	21.000	6221073

Beam clamp for fastening cable ladders to steel girders.



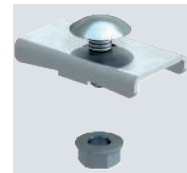
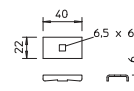
St FS FT

LKS 40 hold-down clamp

Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 40 FS	10	2.300	6221076
LKS 40 FT	10	2.400	6221084

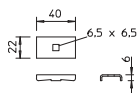
Hold-down clamp for fastening cable ladders.

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

A2 2B



Type

LKS 40 A2

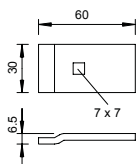
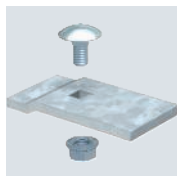
Pack Piece	Weight kg/100 pc.	Item no.
10	2.300	6017134

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

LKS 60 4 FT

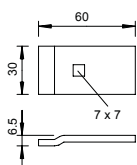
Pack Piece	Weight kg/100 pc.	Item no.
10	6.500	6221122

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 60/4 hold-down clamp

A2 A4 2B



Type

LKS 60 4 A2

LKS 60 4 A4

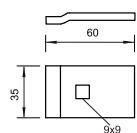
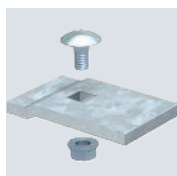
Pack Piece	Weight kg/100 pc.	Item no.
10	8.000	6221130
10	6.363	6221157

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.

LKS 60/5 hold-down clamp

St FT



Type

LKS 60 5 FT

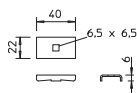
Pack Piece	Weight kg/100 pc.	Item no.
10	10.000	6232485

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.

Clamping piece FTK, light grey

St



Type

LKS 40 FTK LGR Light grey

Pack Piece	Weight kg/100 pc.	Item no.
50	2.500	6479790

Hold-down clamp for fastening cable ladders.

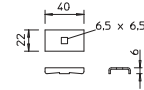
St FT
SO

Cable ladder hold-down clamp FT SOMY

Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 40 FT SO	50	2.500	7189192

Hold-down clamp for fastening cable ladders.

The surface coating is a coating created in a single-dip method with extra-high zinc thicknesses.



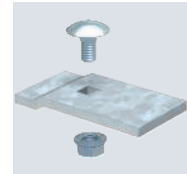
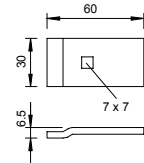
St FT

LKS 60/4 clamping piece

Type	Pack Piece	Weight kg/100 pc.	Item no.
LKS 60 4 FT 8.8	10	7.000	6221124

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.



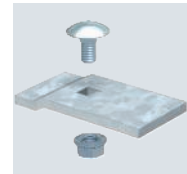
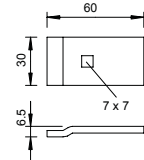
St

Clamping piece FTK, light grey

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
LKS 60 4 FTK LGR	Light grey	50	7.000	6479435

Hold-down clamp for fastening cable ladders.

The surface of the hold-down clamp is hot-dip galvanised and is also plastic-coated in RAL shades.

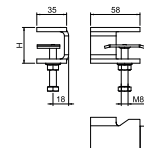


A2 2B

Hold-down clamp with KLL 32 pressure plate

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 32 MD A2	32	10	24.600	6221065

Hold-down clamp for position fixing of horizontal cable ladders on horizontal steel girders.

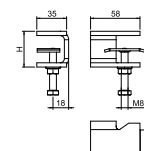


A2 2B

Hold-down clamp with pressure plate KLL 52

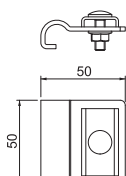
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
KLL 52 MD A2	52	10	26.352	6221075

Hold-down clamp for position fixing of horizontal cable ladders on horizontal steel girders.



LAW support profile

St FT

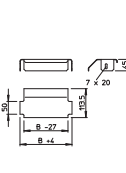


Type	Pack Piece	Weight kg/100 pc.	Item no.
LAW FT	10	9.200	6221513

Support bracket for creation of branches at different heights at a later date.

LALB support plate

St FT

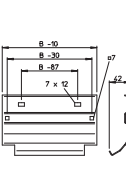
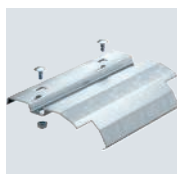


Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LALB 20 FT	200	1	37.700	6221858
LALB 30 FT	300	1	53.000	6221866
LALB 40 FT	400	1	73.000	6221874
LALB 50 FT	500	1	86.000	6221882
LALB 60 FT	600	1	116.000	6221890

Support plate to increase the cable volume and for cable protection.

LAB exit plate

St FT

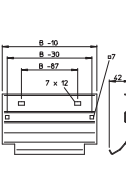


Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LAB 20 FT	200	1	37.000	6220436
LAB 30 FT	300	1	58.000	6220444
LAB 40 FT	400	1	78.000	6220452
LAB 50 FT	500	1	99.000	6220460
LAB 60 FT	600	1	120.000	6220479

Exit plate for installation on the rung for vertically exiting cables.

LAB exit plate

A2 2B

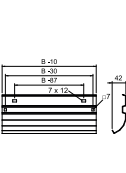


Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LAB 20 A2	200	1	26.000	7164017
LAB 30 A2	300	1	38.000	7164025
LAB 40 A2	400	1	50.000	7164033
LAB 50 A2	500	1	63.000	7164041
LAB 60 A2	600	1	75.000	7164068

Exit plate for installation on the rung for vertically exiting cables.

Drop-out plate

St DD



Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
LABE 20 DD	200	1	40.000	6220622
LABE 30 DD	300	1	59.000	6220630
LABE 40 DD	400	1	80.000	6220649
LABE 50 DD	500	1	99.000	6220657

The exit plate can only be used when the rail and the rung form the end of the cable ladder.

Exit plate for installation on the rung for vertically exiting cables.

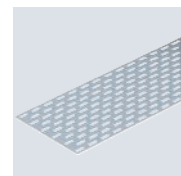
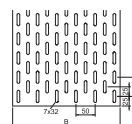
St FS FT

Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
ELB-L 20 FS	200	1.00	3000	3	88.500	6103235
ELB-L 30 FS	300	1.00	3000	3	137.400	6103251
ELB-L 40 FS	400	1.00	3000	3	186.300	6103286
ELB-L 50 FS	500	1.00	3000	3	235.200	6103316
ELB-L 60 FS	600	1.00	3000	3	285.070	6103332
ELB-L 20 FT	200	1.00	3000	3	100.240	6103421
ELB-L 30 FT	300	1.00	3000	3	155.640	6103448
ELB-L 40 FT	400	1.00	3000	3	211.040	6103456
ELB-L 50 FT	500	1.00	3000	3	269.740	6103464
ELB-L 60 FT	600	1.00	3000	3	322.870	6103480

Insert plate for use in cable ladders.

For fastening in wide span cable ladders, use truss-head bolts with combination nut of type FR SB 6x30.

ELB-L insertion plate



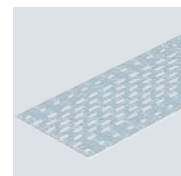
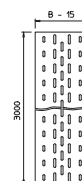
St DD

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.

ELB-L insertion plate



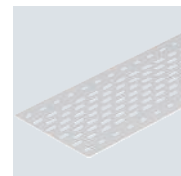
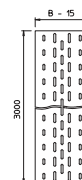
A2 2B

Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
ELB-L20 A2	200	1.00	3000	3	94.400	6103614
ELB-L30 A2	300	1.00	3000	3	146.567	6103618
ELB-L40 A2	400	1.00	3000	3	198.700	6103622
ELB-L50 A2	500	1.00	3000	3	250.867	6103626
ELB-L60 A2	600	1.00	3000	3	303.033	6103630

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.

ELB-L insertion plate

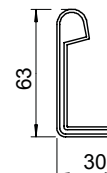


PE

Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKH 60 OR	Pastel orange	40	1.072	6222537

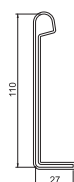
Protective cap to cover cable ladder ends of side height 60 mm.

Protective cap 60



End cap 110

PE

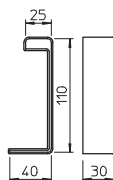


Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKH 110 OR	Pastel orange	20	1.345	6222553

End cap to cover cable ladder ends of side height 110 mm.

End cap 110

PVC

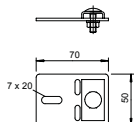


Type	Colour	Pack Pair	Weight kg/100 pairs	Item no.
SKHW 110 OR	Pastel orange	20	4.400	6310398

End cap to cover the ends of wide span cable ladders.

LAL 70 support

A2 2B

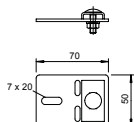


Type	Pack Piece	Weight kg/100 pc.	Item no.
LAL 70 A2	20	10.200	6221017

Support for fastening rising or falling cable ladders.

LAL 70 support

St FS

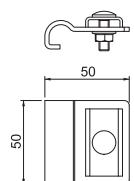


Type	Pack Piece	Weight kg/100 pc.	Item no.
LAL 70 FS	20	10.200	6221009

Support for fastening rising or falling cable ladders.

LAW support profile

St FT



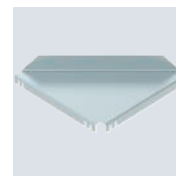
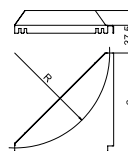
Type	Pack Piece	Weight kg/100 pc.	Item no.
LAW FT	10	9.200	6221513

Support bracket for creation of branches at different heights at a later date.

St FS DD

Corner plate

Type	Radius mm	Dim. a 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

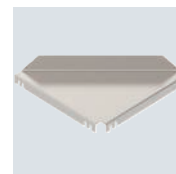
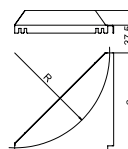


Corner plate to increase the radius and the cable supporting surface.

A2 2B

Corner plate

Type	Radius mm	Dim. a mm	Pack Piece	Weight kg/100 pc.	Item no.
LEB 25 A2	250	250	1	64.300	6221207
LEB 50 A2	500	500	1	207.000	6221250

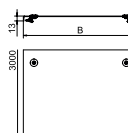


Corner plate to increase the radius and the cable supporting surface.

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 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



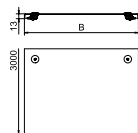
Transverse bead from 500 mm width.

Cover for cable trays and cable ladders with turn buckles.

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



Cover with turn buckle



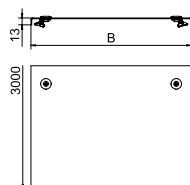
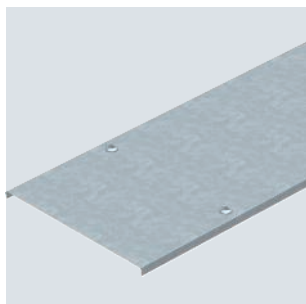
Type	Dim. B mm	Metal thickness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL 100 A2	100	1.00	3000	3	105.070	6052878
DRL 200 A2	200	1.00	3000	3	183.500	6052894
DRL 300 A2	300	1.00	3000	3	262.240	6052908
DRL 400 A2	400	1.00	3000	3	340.400	6052932
DRL 500 A2	500	1.25	3000	3	625.340	6052959
DRL 600 A2	600	1.25	3000	3	743.240	6052975
DRL 100 A4	100	1.00	3000	3	105.070	6052980
DRL 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 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.

Cover with turn buckle 1,5 mm



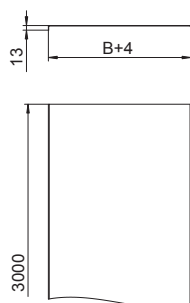
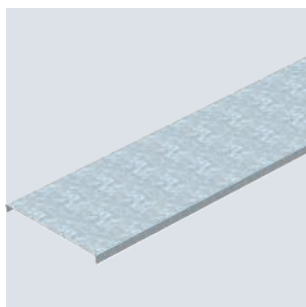
Type	Dim. B mm	Metal thickness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL 1,5 100 FS	100	1.50	3000	3	152.000	6052097
DRL 1,5 200 FS	200	1.50	3000	3	269.950	6052208
DRL 1,5 100 FT	100	1.50	3000	3	165.000	6051345
DRL 1,5 200 FT	200	1.50	3000	3	290.670	6051370
DRL 1,5 300 FT	300	1.50	3000	3	416.334	6051387

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.

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	1.00	3000	3	59.770	6052640
DRLU 100 DD	100	1.00	3000	3	99.000	6052643
DRLU 150 DD	150	1.00	3000	3	138.267	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	1.50	3000	3	619.234	6052668
DRLU 550 DD	550	1.50	3000	3	678.100	6052671
DRLU 600 DD	600	1.50	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.

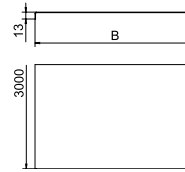
A2 A4 2B

Type	Dim. B mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRLU 050 A2	50	1.00	3000	3	59.767	6052821
DRLU 100 A2	100	1.00	3000	3	99.000	6052824
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 100 A4	100	1.00	3000	3	99.000	6052991
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	619.167	6052996
DRLU 600 A4	600	1.25	3000	3	736.900	6052998

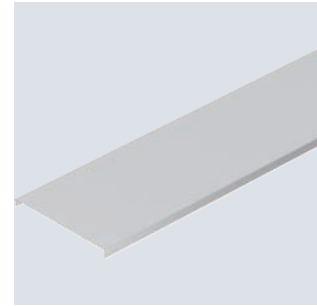
Cover for cable trays and mesh cable trays.

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

Transverse bead from 500 mm width.



Unperforated cover

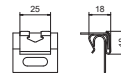


VA 2B

Type	Pack Piece	Weight kg/100 pc.	Item no.
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



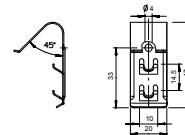
VA 2B

Type	Pack Piece	Weight kg/100 pc.	Item no.
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.

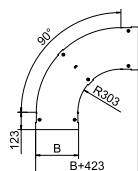
Depending on the tray width, 4–6 cover clamps are required for secure fastening of a 3 m cover.



Cover clamp, universal



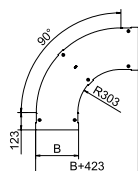
Cover for 90° bend LBD R3



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
LBD 90 750 R3 FT	750	1.25	1	857.000	6226022
LBD 90 800 R3 FT	800	1.25	1	939.000	6226024
LBD 90 900 R3 FT	900	1.25	1	1,388.000	6226026
LBD 90 1000 R3 FT	1000	1.25	1	1,624.000	6226028
LBD 90 1200 R3 FT	1200	1.25	1	2,143.000	6226032

Cover with turn buckles for covering 90° cable ladder bends with welded rungs.

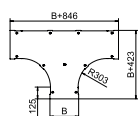
Cover for 90° bend LBD R3



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.

Cover for LTD R3 T piece



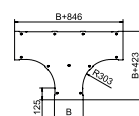
Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LTD 200 R3 FS	200	1.00	1	274.000	6226100
LTD 300 R3 FS	300	1.00	1	413.000	6226102
LTD 400 R3 FS	400	1.00	1	567.000	6226104
LTD 500 R3 FS	500	1.25	1	737.000	6226106
LTD 600 R3 FS	600	1.25	1	922.000	6226108
LTD 200 R3 FT	200	1.00	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 750 R3 FT	750	1.25	1	1,687.000	6226132
LTD 800 R3 FT	800	1.25	1	1,836.000	6226134
LTD 900 R3 FT	900	1.25	1	2,151.000	6226136
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.

A2 A4 2B

Cover for LTD R3 T piece

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

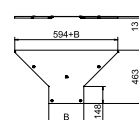


Cover with turn buckles for covering T pieces with welded rungs.

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
LAAD 750 R3 FT	750	1.25	1	504.000	6226342
LAAD 800 R3 FT	800	1.25	1	528.000	6226344
LAAD 900 R3 FT	900	1.25	1	578.000	6226346
LAAD 1000 R3 FT	1000	1.25	1	624.000	6226348
LAAD 1200 R3 FT	1200	1.25	1	722.000	6226352

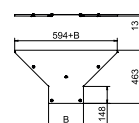


Cover with turn buckles for covering add-on tee with welded rungs.

A2 A4 2B

Cover for add-on tee

Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LAAD 200 R3 A2	200	1.00	1	180.000	6226361
LAAD 300 R3 A2	300	1.00	1	219.000	6226363
LAAD 400 R3 A2	400	1.25	1	316.000	6226365
LAAD 500 R3 A2	500	1.25	1	365.000	6226367
LAAD 600 R3 A2	600	1.25	1	414.000	6226369
LAAD 200 R3 A4	200	1.00	1	180.000	6226381
LAAD 300 R3 A4	300	1.00	1	219.000	6226383
LAAD 400 R3 A4	400	1.25	1	316.000	6226385
LAAD 500 R3 A4	500	1.25	1	365.000	6226387
LAAD 600 R3 A4	600	1.25	1	414.000	6226389

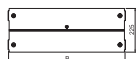


Cover with turn buckles for covering add-on tees with welded rungs.



Cover for LGBED adjustable vertical bend element

St FS FT

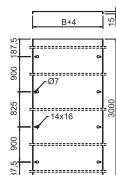
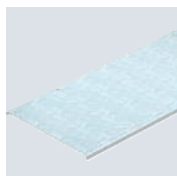


Type	Dim. B mm	Metal thick- ness mm	Pack Piece	Weight kg/100 pc.	Item no.
LGBED 200 FS	200	1.00	1	42.000	6226210
LGBED 300 FS	300	1.00	1	60.000	6226212
LGBED 400 FS	400	1.00	1	78.000	6226214
LGBED 500 FS	500	1.25	1	117.000	6226216
LGBED 600 FS	600	1.25	1	139.000	6226218
LGBED 200 FT	200	1.00	1	45.000	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
LGBED 750 FT	750	1.25	1	184.000	6226242
LGBED 800 FT	800	1.25	1	196.000	6226244
LGBED 900 FT	900	1.25	1	219.000	6226246
LGBED 1000 FT	1000	1.25	1	243.000	6226248
LGBED 1200 FT	1200	1.25	1	290.000	6226252

Cover with sash locks for covering adjustable bends with welded rungs.

Cover 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

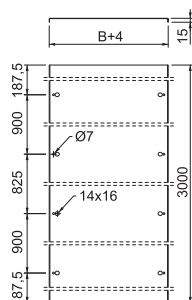
Spacers must be ordered separately for every 3 m under article number 6065475 for cable trays and cable ladders as well as under article number 6065477 for wide span systems.

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

A2 A4 2B



Type	Width mm	Metal thick- ness mm	Length mm	Pack m	Weight kg/100 m	Item no.
DRL FAM 230 A2	230	1.50	3000	3	299.370	6051192
DRL FAM 330 A2	330	1.50	3000	3	417.140	6051194
DRL FAM 430 A2	430	1.50	3000	3	534.870	6051196
DRL FAM 530 A2	530	1.50	3000	3	652.640	6051198
DRL FAM 630 A2	630	1.50	3000	3	770.370	6051200
DRL FAM 230 A4	230	1.50	3000	3	299.370	6051210
DRL FAM 330 A4	330	1.50	3000	3	417.140	6051212
DRL FAM 430 A4	430	1.50	3000	3	534.870	6051214
DRL FAM 530 A4	530	1.50	3000	3	652.640	6051216
DRL FAM 630 A4	630	1.50	3000	3	770.370	6051218

Spacers must be 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.

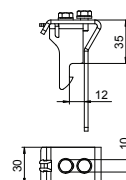
When using covers outdoors, additional measures against the influence of wind must be taken.

A2 2B

Spacer for cover

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
AH 35 A2	35	8	14.100	6065475

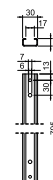
Spacers for stand-off cover mounting on cable trays and cable ladders. Space height 35 mm, stainless steel 1.4301.



St FS FT

Rung C30, perforated

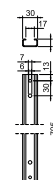
Type	Pack Piece	Weight kg/100 pc.	Item no.
SPR C30 195 FS	3500	13.300	6009959
SPR C30 295 FS	2500	19.700	6009961
SPR C30 395 FS	2000	26.200	6009963
SPR C30 495 FS	1800	32.600	6009965
SPR C30 595 FS	1500	39.000	6009967
SPR C30 195 FT	3500	14.200	6009979
SPR C30 295 FT	2000	27.900	6009983
SPR C30 495 FT	1800	34.800	6009985
SPR C30 595 FT	1500	41.600	6009987



St FS

Rung C30, unperforated

Type	Pack Piece	Weight kg/100 pc.	Item no.
SPR C30 795 FS	1000	58.000	6009969
SPR C30 995 FS	1000	72.000	6009971





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 |
| 2 | Heavy-duty vertical ladder |
| 3 | Industrial vertical cable ladder |
| 4 | Cover with spacer |
| 5 | Rung seat with MS4022 rung |

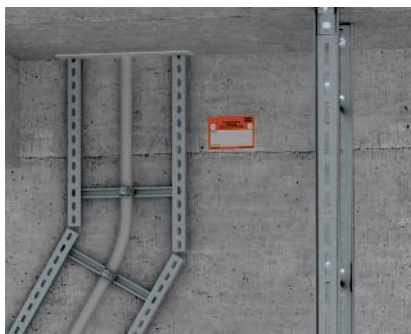


Mounting aid



Wall mounting application

Wall mounting of a vertical ladder with mounting angles.



Change of direction application

Implementation of a change of direction with heavy-duty vertical ladder, type SLM.



Free-standing vertical ladder application

Mounting example for free-standing industrial vertical ladders, type SLS, fastened to the ceiling and floor.



Straight connection of vertical ladders

Connection of vertical ladders, types LG and SSL 60, with connectors, type LVG.



Angle connection of cable ladders

Creation of flexible vertical ladder angles with angle connector, type LWVG.



Adjustable connection of cable ladders

Creation of flexible vertical ladder angles with adjustable connector, type LGVG.



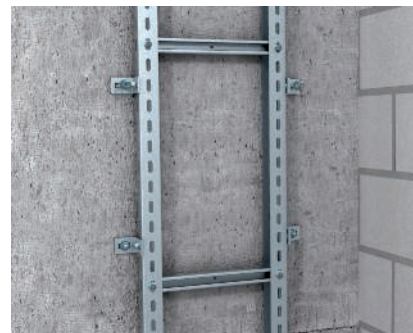
Wall mounting, light-duty vertical ladder

Wall mounting of light-duty vertical ladder, type SLL 45, with wall bracket, type WB 30/75.



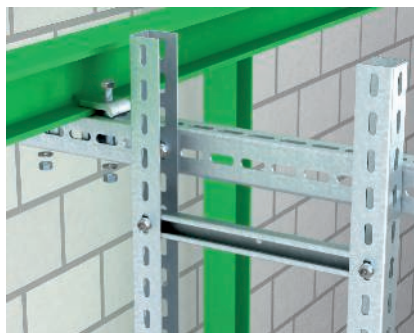
Direct wall mounting

Direct fastening of the vertical ladders LG and SSL with anchor bolts on the wall.



Wall mounting, heavy-duty vertical ladder

Wall mounting of heavy-duty vertical ladder, type SLM 50, with mounting angle, type BW.



Vertical ladder mounting on steel

Installation of the heavy-duty vertical ladder, type SLM 50, with cantilever beam made of U profile, on a steel construction.



Cable fastening with U clamp

Fastening of cables to the rung with clamp clips.



Fastening of industrial vertical ladder

Wall mounting of industrial vertical ladder with mounting angle, type BW 80/55.



Fastening of C profile rung

Fastening of C profile rung, type CK 40, in industrial vertical ladders, type SLS 80.



Fastening of angle rung

Fastening of the angle rung, type WSK 40, in industrial vertical ladders, type SLS 80.



Ceiling fastening

Fastening of an industrial vertical ladder, type SLS 80, to the ceiling using mounting angle, type BW.



Illustration of vertical shaft

Illustration of complete vertical ladder mounting.



Rung seat fixed to IS 8 support

Fastening of the rung seat, type SA, with profile rail, type MS 4022, in I support.



Rung seat in steel girder

Direct fastening (clamping) of the rung seat, type SAA, with profile rail, type MS 4022, on steel girder.

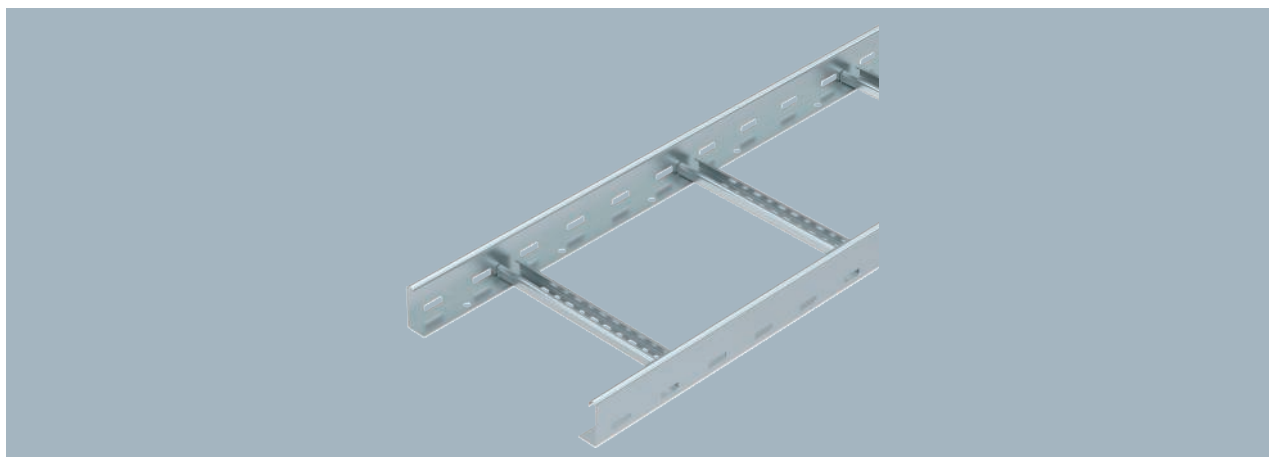


Cover mounting, vertical

Installation of the cover with spacer on a vertical ladder.

Cable ladder LG 60, 3 m VS

St FS FT

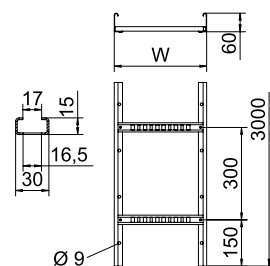


Type	Width mm	BS	Pack m	Weight kg/100 m	Item no.
LG 620 VS 3 FS	200		3	267.000	6208538
LG 630 VS 3 FS	300		3	288.933	6208541
LG 640 VS 3 FS	400		3	314.600	6208544
LG 650 VS 3 FS	500		3	332.600	6208547
LG 660 VS 3 FS	600		3	354.266	6208550
LG 620 VS 3 FT	200		3	285.066	6208562
LG 630 VS 3 FT	300		3	308.000	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

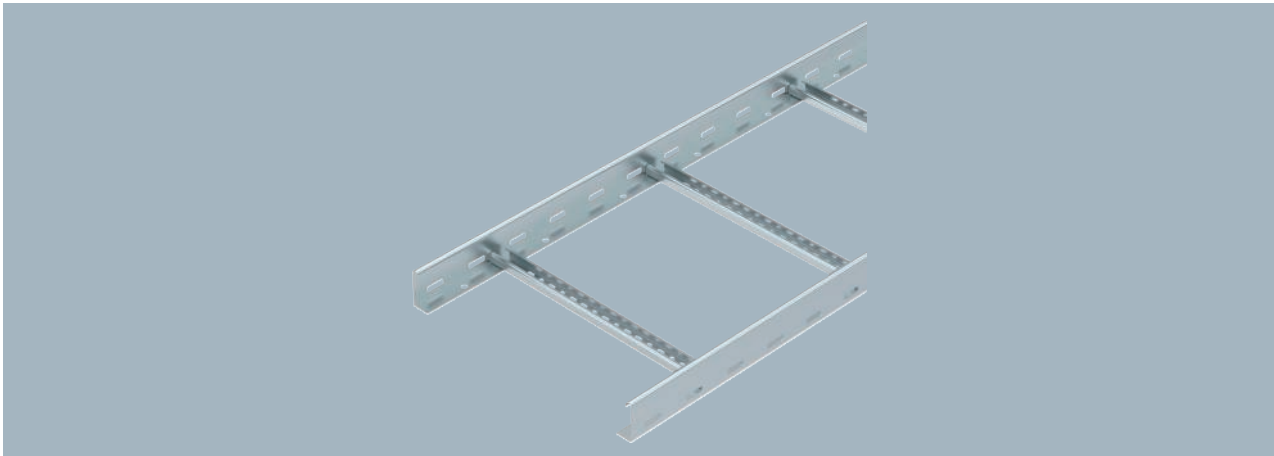
The cable ladder is shipped folded up. Cables can be mounted with the matching clamp clip, type 2056. The cable ladders in the widths 200 mm to 400 mm are also approved for vertical mounting as a vertical ladder in systems that guarantee the maintenance of electrical functionality according to DIN 4102 Part 12. Cables can be mounted with the clamp clip approved for 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



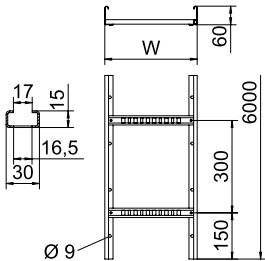
Cable ladder LG 60, 6 m VS



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
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

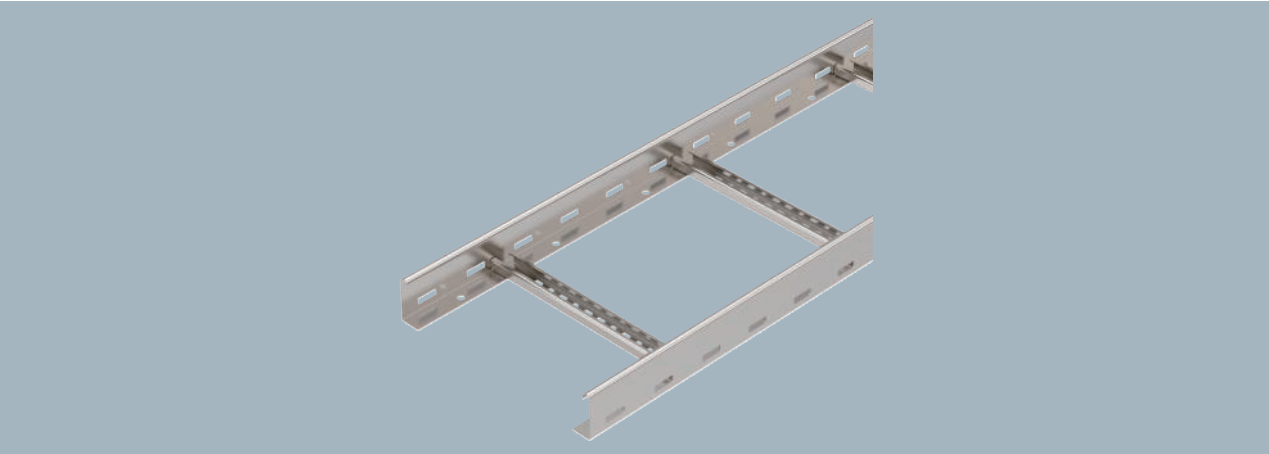


Type	Length mm	Dim. B mm	Rail thick- ness mm	Usable cross- section cm ²	Rung spacing mm
LG 620 VS 6 FS	6000	200	1.5	98	300
LG 630 VS 6 FS	6000	300	1.5	148	300
LG 640 VS 6 FS	6000	400	1.5	198	300
LG 650 VS 6 FS	6000	500	1.5	248	300
LG 660 VS 6 FS	6000	600	1.5	298	300



Cable ladder LG 60, 6 m VS

A2A42B

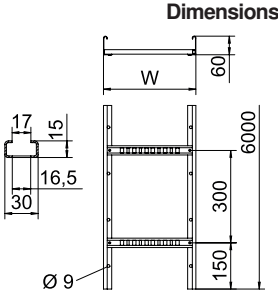


Type	Width mm	Pack m	Weight kg/100 m	Item no.
LG 620 VS6 A2	200	6	267.067	6208700
LG 630 VS6 A2	300	6	288.733	6208703
LG 640 VS6 A2	400	6	314.400	6208706
LG 650 VS6 A2	500	6	332.400	6208709
LG 660 VS6 A2	600	6	354.066	6208712
LG 620 VS6 A4	200	6	267.733	6101200
LG 630 VS6 A4	300	6	288.733	6101208
LG 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

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 cm²	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





SLL 45 medium-duty vertical ladder, 3 m

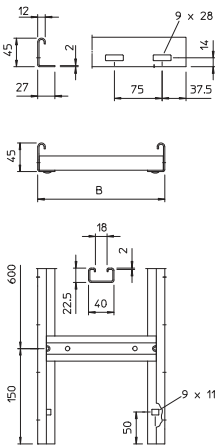
Type	Width mm	Length mm	Weight kg/100 m	Item no.
SLL 45 30 CP FS	300	3000	324.333	6011908



Vertical ladder with a side height of 45 mm with riveted C profile rungs, open in upwards direction. DIN VDE 0100-520 must be taken into account when routing cables.
The appropriate clamp clip is type 2056U.

Type	Length mm	Dim. B mm	Rung spacing mm
SLL 45 30 CP FS	3000	300	600

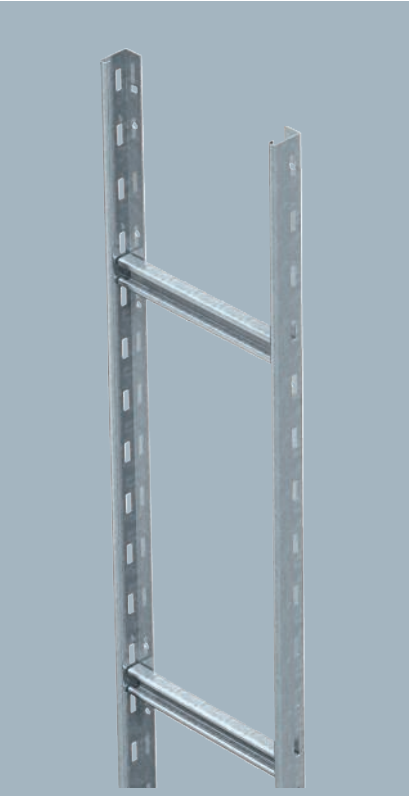
Dimensions





Medium-duty vertical ladders

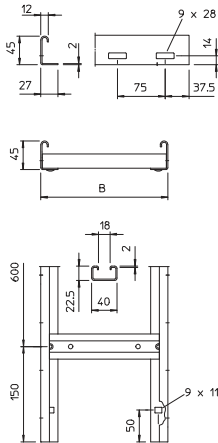
SLL 45 medium-duty vertical ladder, 6 m



Type	Width mm	Length mm	Weight kg/100 m	Item no.
SLL 45 50 CP FS	500	6000	376.667	6011959

Vertical ladder with a side height of 45 mm with riveted C profile rungs, open in upwards direction. DIN VDE 0100-520 must be taken into account when routing cables.
The appropriate clamp clip is type 2056U.

Dimensions



Type	Length mm	Dim. B mm	Rung spacing mm
SLL 45 50 CP FS	6000	500	600

St FS



SLL 60 medium-duty vertical ladder, 6 m

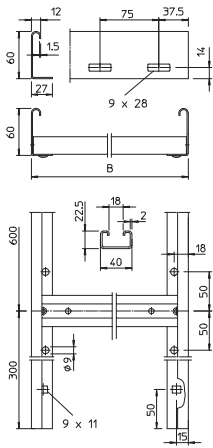
Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
SLL 620 CPS 4 FS	200	1.5	6	274.600	6010620
SLL 630 CPS 4 FS	300	1.5	6	300.767	6010622
SLL 640 CPS 4 FS	400	1.5	6	326.933	6010624
SLL 650 CPS 4 FS	500	1.5	6	353.267	6010626
SLL 660 CPS 4 FS	600	1.5	6	379.433	6010628



Vertical ladder with a side height of 60 mm with riveted C profile rungs, open in upwards direction. Fastening takes place directly on the wall or using the wall brackets, type WB 30/75. The slot dimension of the rung is 18 mm and the appropriate clamp clip is type 2056U.

Type	Length mm	Rung spacing mm
SLL 620 CPS 4 FS	6000	600
SLL 630 CPS 4 FS	6000	600
SLL 640 CPS 4 FS	6000	600
SLL 650 CPS 4 FS	6000	600
SLL 660 CPS 4 FS	6000	600

Dimensions



SLL 60 medium-duty vertical ladder, 6 m

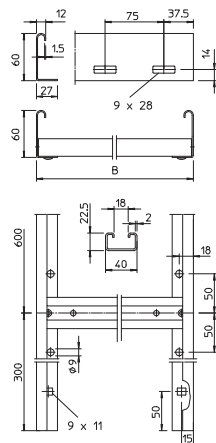


Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
SLL 620 CPS 4 FT	200	1.5	6	291.933	6010630
SLL 630 CPS 4 FT	300	1.5	6	319.433	6010632
SLL 640 CPS 4 FT	400	1.5	6	346.933	6010634
SLL 650 CPS 4 FT	500	1.5	6	374.600	6010636
SLL 660 CPS 4 FT	600	1.5	6	401.933	6010638

Vertical ladder with a side height of 60 mm with riveted C profile rungs, open in upwards direction.

Fastening takes place directly on the wall or using the wall brackets, type WB 30/75. The slot dimension of the rung is 18 mm and the appropriate clamp clip is type 2056U.

Dimensions



Type	Length mm	Dim. B mm	Rung spacing mm
SLL 620 CPS 4 FT	6000	200	600
SLL 630 CPS 4 FT	6000	300	600
SLL 640 CPS 4 FT	6000	400	600
SLL 650 CPS 4 FT	6000	500	600
SLL 660 CPS 4 FT	6000	600	600

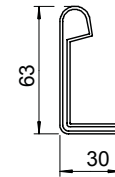


PE

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.

Protective cap 60



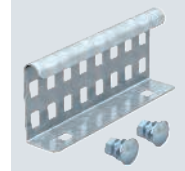
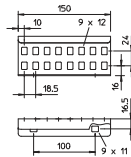
St FS FT

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



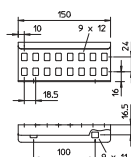
A2 A4 2B

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.

Straight connector 60



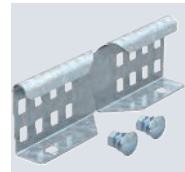
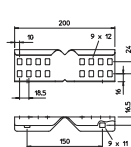
St FS

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



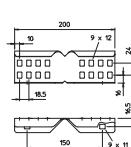
A2 A4 2B

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.

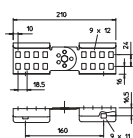
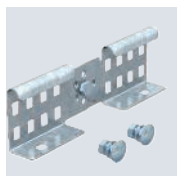
Angle connector as external connector to join cable ladders and fittings with a side height of 60 mm and continuous rail perforation.

Angle connector 60



Adjustable connector 60

St FS FT



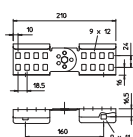
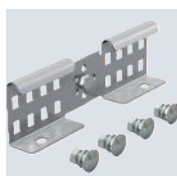
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 60 FS	60	10	28.500	6208941
LGVG 60 FT	60	10	29.900	6208944

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

A2 A4 2B



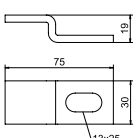
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
LGVG 60 A2	60	10	28.500	6208947
LGVG 60 A4	60	10	28.500	6208932

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.

Wall bracket

St FT

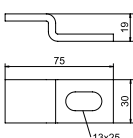


Type	Pack Piece	Weight kg/100 pc.	Item no.
WB 30 75 FT	10	18.100	6019617

Wall bracket for the fastening of light-weight vertical ladders type SLL, to concrete walls and masonry.

Wall bracket

A2 2B

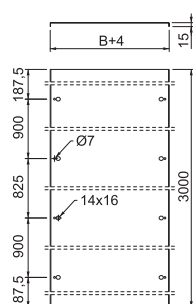
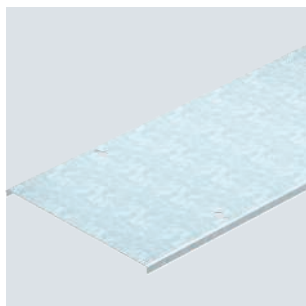


Type	Pack Piece	Weight kg/100 pc.	Item no.
WB 30 75 A2	10	18.000	6019668

Wall bracket for the fastening of light-weight vertical ladders type SLL, to concrete walls and masonry.

Cover for stand-off mounting

St FT



Type	Width mm	Metal thickness 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.

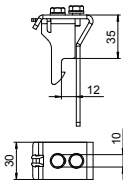
When using covers outdoors, additional measures against the influence of wind must be taken.

A2 2B

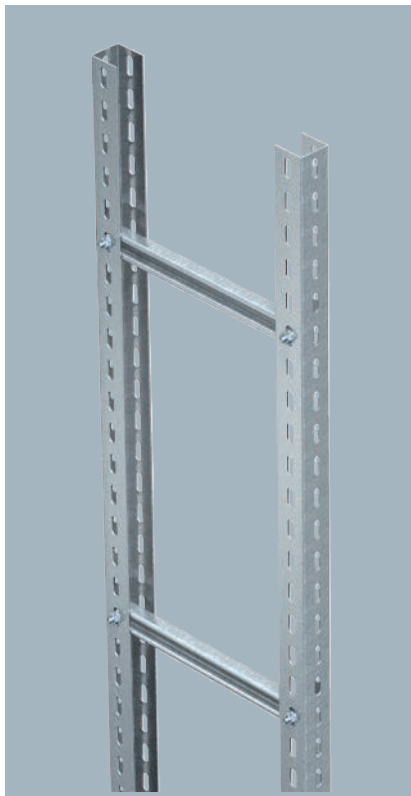
Spacer for cover

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.



Heavy-duty vertical cable ladder SLM 50, 3 m C40

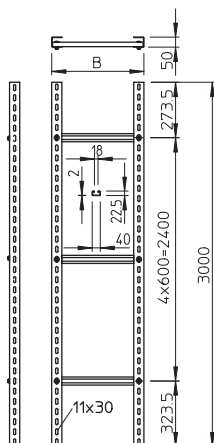


Type	Width mm	Rail thick- ness mm	Pack m	Weight kg/100 m	Item no.
SLM 50 C40 2 FT	200	2.5	3	572.500	6010466
SLM 50 C40 3 FT	300	2.5	3	600.167	6010474
SLM 50 C40 4 FT	400	2.5	3	627.833	6010482
SLM 50 C40 5 FT	500	2.5	3	655.333	6010490
SLM 50 C40 6 FT	600	2.5	3	683.000	6010504
SLM 50 C40 7 FT	700	2.5	3	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

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.

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



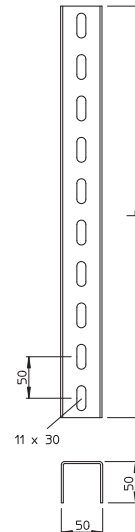
St FT

US 5 support

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.

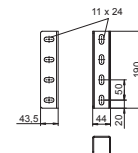


St FT

VUS 5 U support connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
VUS 5 FT	10	61.000	6018505

U support connector to connect US 5 supports.
Including appropriate fastening material.

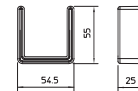


PE

Protective cap

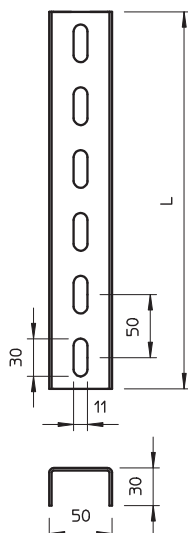
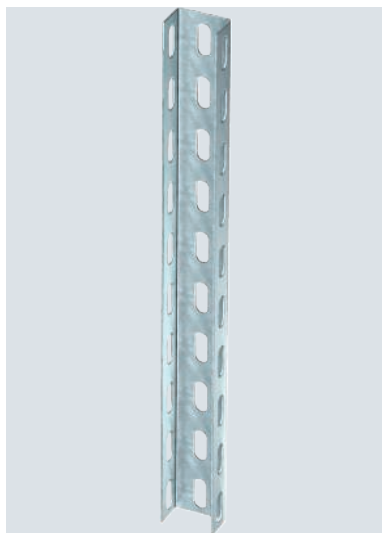
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 5 KS OR	Pastel orange	20	1.300	6338462

Protective cap to cover the ends of US 5 supports.



US 3 support

St FT



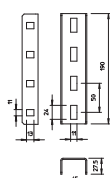
Type	Length mm	Material thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
US 3 600 FT	6000	2	1	834.000	6342450

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.

VUS 3 U support connector

St FT

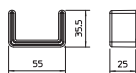


Type	Pack Piece	Weight kg/100 pc.	Item no.
VUS 3 FT	10	48.300	6018513

U support connector to connect US 3 supports.
Including appropriate fastening material.

Protective cap

PE



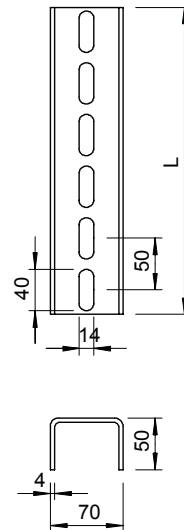
Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 3 KS OR	Pastel orange	20	1.068	6338458

Protective cap to cover the ends of US 3 supports.

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 7 100 FT	1000	4		1	416.000	6340180
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 7 250 FT	2500	4		1	1,009.000	6340385
US 7 300 FT	3000	4		1	1,250.000	6340377
US 7 400 FT	4000	4		1	1,660.000	6340393
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.

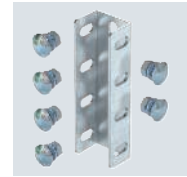
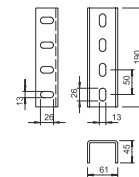
St FT

VUS 7 U support connector

Type	Pack Piece	Weight kg/100 pc.	Item no.
VUS 7 FT	10	112.800	6018378

U support connector to connect US 7 supports.

Including appropriate fastening material.

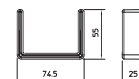


PE

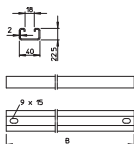
End cap

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
US 7 KS OR	Pastel orange	20	1.806	6338497

Protective cap to cover the ends of US 7 supports.



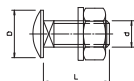
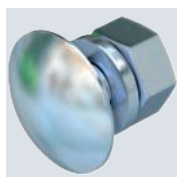
MS4022 profile rail, heavy-duty, slot 18 mm



Type	Material thickness mm	Length mm	Pack Piece	Weight kg/100 pc.	Item no.
MS4022P0192FT	2	192	1	31.800	6007201
MS4022P0292FT	2	292	1	44.700	6007228
MS4022P0392FT	2	392	1	60.100	6007236
MS4022P0492FT	2	492	1	81.500	6007244
MS4022P0592FT	2	592	1	96.000	6007252
MS4022P0692FT	2	692	1	113.000	6007260
MS4022P0792FT	2	792	1	130.000	6007279
MS4022P0892FT	2	892	1	145.000	6007287
MS4022P0992FT	2	992	1	162.000	6007295
MS4022P1092FT	2	1092	1	178.000	6007309
MS4022P1192FT	2	1192	1	197.500	6007317

MS4022 profile rail for use as rung in heavy-duty ladders.

Truss-head bolt with nut and washer

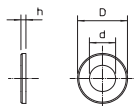
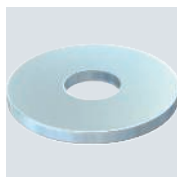


Type	Dimen- sion mm	Dim. L mm	Dim. d mm	Dim. D mm	Resist- ance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRS 8x16 F 8.8	M8x16	16	8	20	8.8	50	1.947	6406963
FRS 8x25 F	M8x25	25	8	20	8.8	50	2.217	6406998
FRS 8x35 F	M8x35	35	8	20	5.6	50	2.431	6407048

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.

Large washer



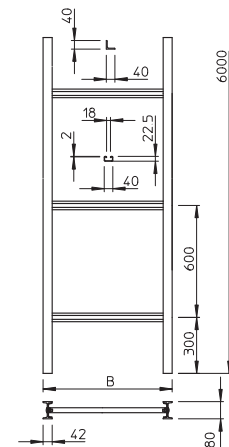
Type	Thread	Dim. d mm	Dim. D mm	Dim. h mm	Pack Piece	Weight kg/100 pc.	Item no.
DIN440 9 F	M8	9	28	3	100	1.057	6408710

Washer of particularly large outer diameter.



The appropriate clamp clip is type 2056U.

Dimensions



Industrial vertical cable ladder, 6 m W40

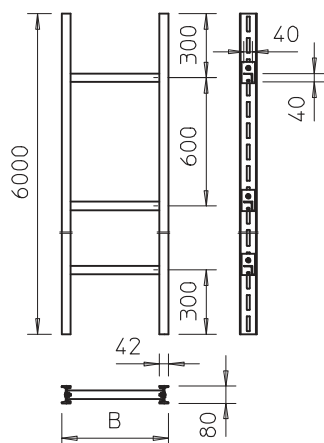
St FT



Type	Width mm	Pack m	Weight kg/100 m	Item no.
SLS 80 W40 4 FT	400	6	1,373.500	6013848
SLS 80 W40 5 FT	500	6	1,414.833	6013856
SLS 80 W40 6 FT	600	6	1,454.000	6013864
SLS 80 W40 7 FT	700	6	1,494.833	6013872
SLS 80 W40 8 FT	800	6	1,536.667	6013880
SLS 80 W40 9 FT	900	6	1,586.000	6013899
SLS 80 W40 10 FT	1000	6	1,627.167	6013902

The vertical ladder is shipped in an unmounted state.
The appropriate U clamp is type 2056W.
Vertical ladder of side height 80 mm with
screwed-in rungs.

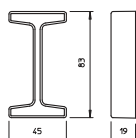
Dimensions



Type	Length mm	Dim. B mm	Rung spacing mm
SLS 80 W40 4 FT	6000	400	600
SLS 80 W40 5 FT	6000	500	600
SLS 80 W40 6 FT	6000	600	600
SLS 80 W40 7 FT	6000	700	600
SLS 80 W40 8 FT	6000	800	600
SLS 80 W40 9 FT	6000	900	600
SLS 80 W40 10 FT	6000	1000	600

End cap

PE



Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
IS 8 KS OR	Pastel orange	20	0.705	6338519

End cap to cover the ends of IS 8 supports.

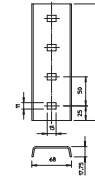
St FT



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.

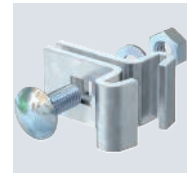
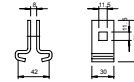


St FT

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.

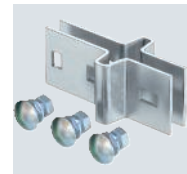
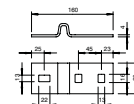


St FT

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.



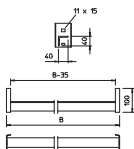
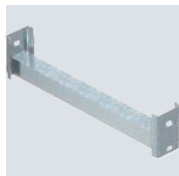
St FT

Rung CK 40

Type	Width mm		Pack Piece	Weight kg/100 pc.	Item no.
CK 40 20 FT	154		1	62.300	6008224
CK 40 30 FT	254		1	95.500	6008232
CK 40 40 FT	354		1	95.500	6008240
CK 40 50 FT	454		1	112.000	6008259
CK 40 60 FT	554		1	128.600	6008267
CK 40 70 FT	654		1	145.200	6008275
CK 40 80 FT	754		1	162.000	6008283
CK 40 90 FT	854		1	178.400	6008291
CK 40 100 FT	954		1	194.900	6008305
CK 40 110 FT	1054		1	211.500	6008313
CK 40 120 FT	1154		1	228.000	6008321

Rung WSK 40

St FT



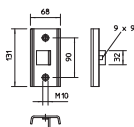
Type	Width mm	Pack Piece	Weight kg/100 pc.	Item no.
WSK 40 40 FT	354	1	122.000	6008046
WSK 40 50 FT	454	1	147.000	6008054
WSK 40 60 FT	554	1	172.000	6008062
WSK 40 70 FT	654	1	197.000	6008070
WSK 40 80 FT	754	1	222.000	6008089
WSK 40 90 FT	854	1	245.000	6008097
WSK 40 100 FT	954	1	272.000	6008100

The maximum rung load is 250 kg.

Angle profile rungs for use in heavy-duty vertical ladders and in IS 8 supports.

Rung seat

St FT



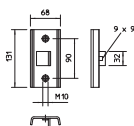
Type	Pack Pair	Weight kg/100 pairs	Item no.
SA MS4022 FT	5	84.000	6007496

The set consists of two rung seats, two hexagonal bolts M8 x 16 mm and four hexagonal bolts M10 x 25 mm.

Rung seat for fastening rungs of type MS4022 to IS 8 supports.

Rung seat for steel supports

St FT



Type	Pack Pair	Weight kg/100 pairs	Item no.
SAA MS4022 FT	5	82.600	6007498

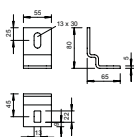
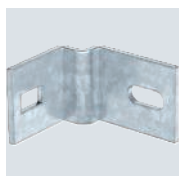
The set consists of two rung seats, two hexagonal bolts M8 x 16 mm and four hexagonal bolts with an M10 x 30 application tip.

Rung seat for fastening rungs of type MS4022 to steel girders.

System accessories

Mounting angle BW 80

St FT



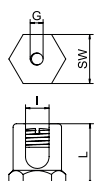
Type	Pack Piece	Weight kg/100 pc.	Item no.
BW 80 55 FT	10	32.900	6019528

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.

Earthing terminal with fastening thread

CuZn
37

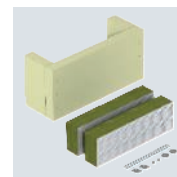
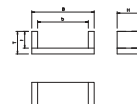


Type	Dim. L mm	Dim. I mm	Cross- section mm ²	Thread	Pack Piece	Weight kg/100 pc.	Item no.
EKL 25 M8	26	10	50	M8	50	3.970	6404001

Earthing terminal for fastening the equipotential bonding wire to the cable support system. Suitable for conductor cross sections of 4-50 mm².

Strain relief, three-sided, with mineral wool, interior height 115 mm

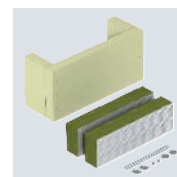
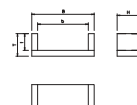
Type	Dim. b mm	Dim. t mm	Dim. H mm	Dim. B mm	Dim. T mm	Pack Piece	Weight kg/100 pc.	Item no.
ZSE90-25-11	250	115	140	340	160	1	376.000	7215702
ZSE90-35-11	350	115	140	440	160	1	466.000	7215706
ZSE90-45-11	450	115	140	540	160	1	506.000	7215709



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.

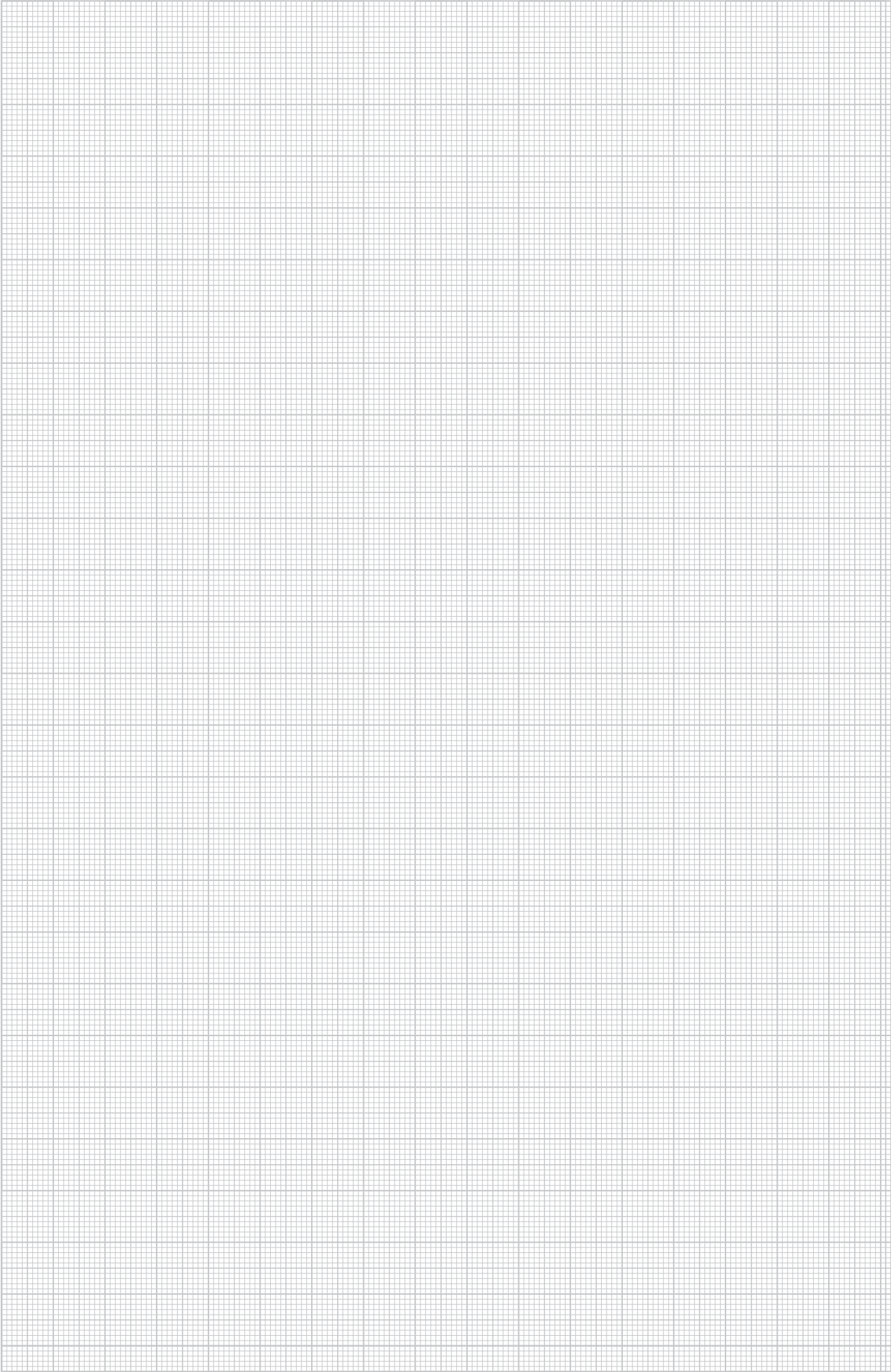
Strain relief, three-sided, with mineral wool, interior height 175 mm

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.





OBO Bettermann Holding GmbH & Co. KG

P.O. Box 1120
58694 Menden
GERMANY

Customer Service

Tel.: +49 23 73 89 - 17 00
Fax: +49 23 73 89 - 12 38
export@obo.de

www.obo-bettermann.com

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