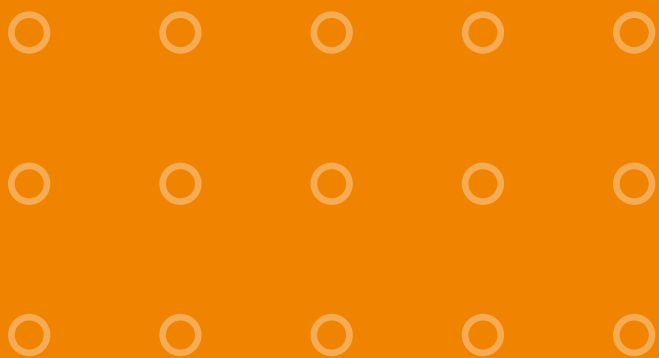


# The fast straight connection

## **GRMAGIC**<sup>®</sup>

Mesh cable tray system in side height  
35,55 and 105 mm

KTS cable support systems

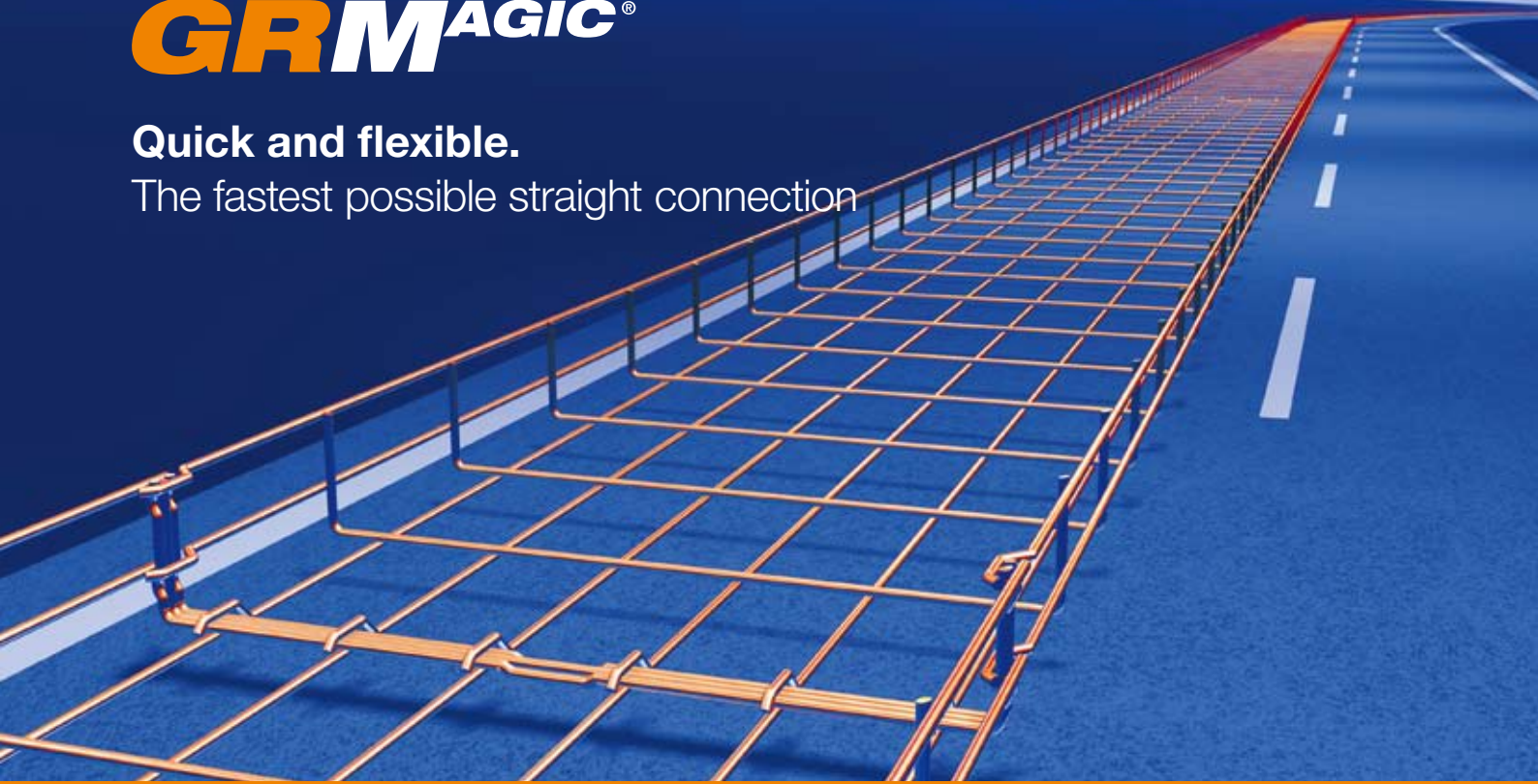


**OBO**  
BETTERMANN

# GRMAGIC®

**Quick and flexible.**

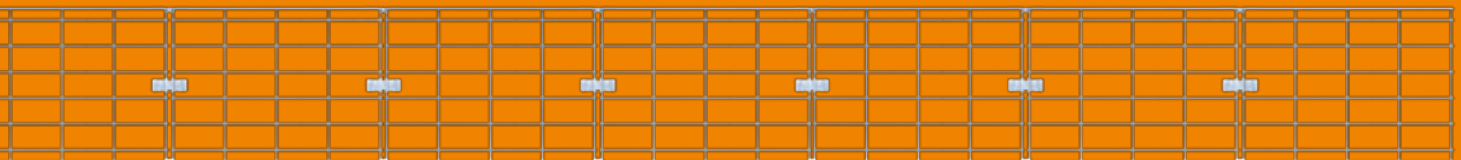
The fastest possible straight connection



**Increased installation performance**



*Installation performance with GR-Magic®*



*Installation performance with standard mesh cable tray*

### 1. Place in position

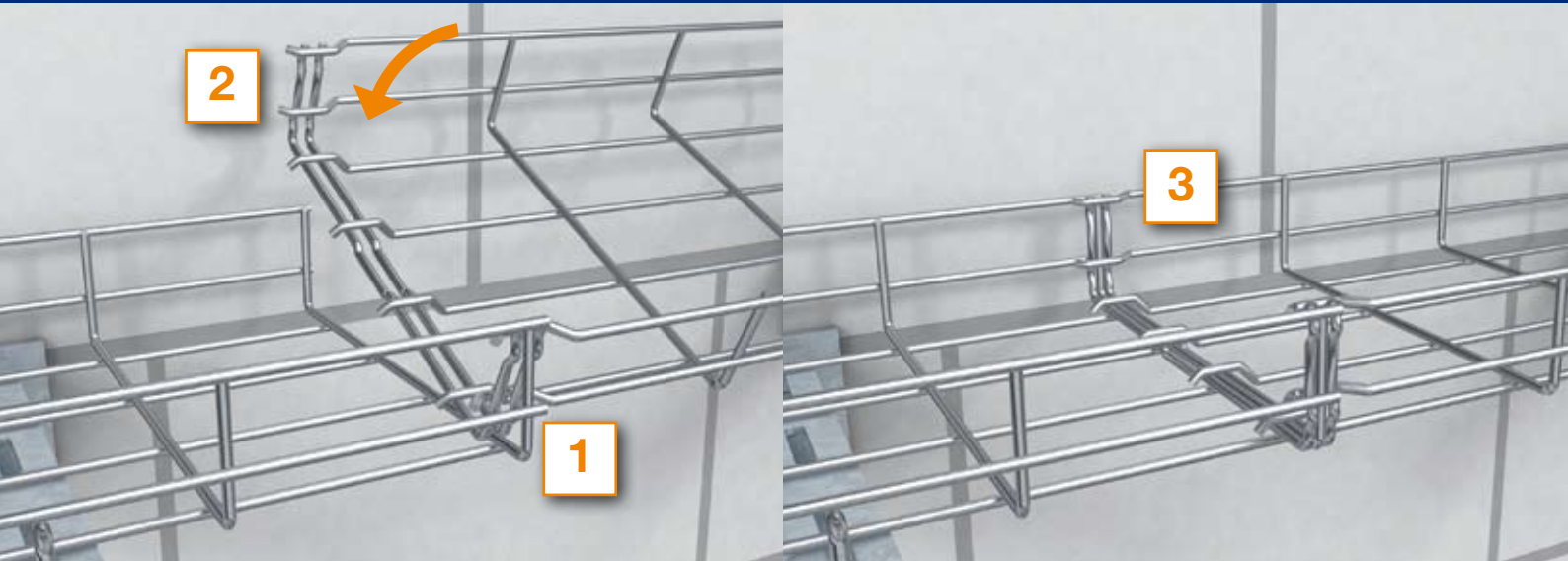
For a purely straight connection, neither connection components nor installation tools are required. The right shape means that location is no problem.

### 2. Lock

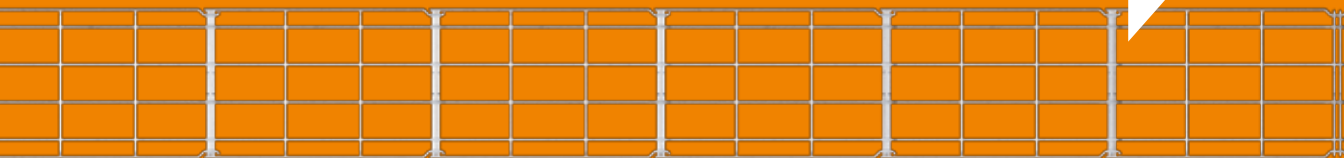
Child's play: simply push one of the mesh cable trays into the other from above. And it's locked! By the way: the parts can be detached just as easily.

### 3. You're done

The finished straight connection is as stable as a traditional screw connection – with the same perfect electrical properties.



+ 100%



**GRMAGIC®**

### The patented connection system GR-Magic®

Installation time is becoming ever more important in the decision for or against a product. OBO has made a decisive improvement to previous systems, and thus redefined the term quick installation. The OBO GR-Magic® mesh cable tray is a real

innovation. It really speeds up installation. Thanks to the patented connection system, developed by OBO, it can be installed in a matter of seconds, with a single action and without tools. And it manages this with no loss of stability and load-bearing capacity. Load tests show that GR-Magic® systems provide the same

level of security as traditional screw connections.

The electrical properties are also first class: the values required by the VDE guidelines 0639 and in the new IEC/EN 61537 are achieved easily.

# Type overview and components

## GR-Magic® mesh cable tray systems

### GR-Magic®

Side height: 35 mm

Mesh cable tray widths:  
100, 150, 200, 300 mm

#### Versions:

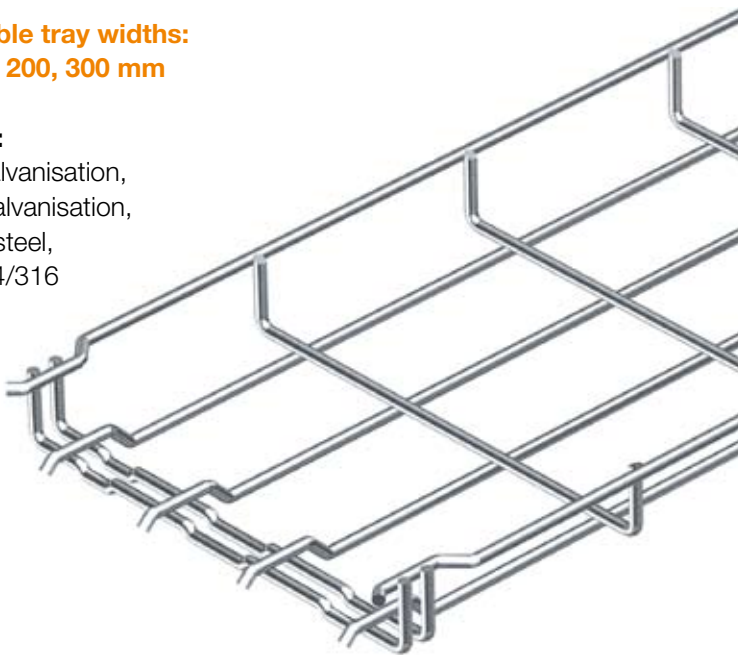
electro galvanisation,  
hot-dip galvanisation,  
stainless steel,  
grade 304/316

G

FT

V2A

V4A



### GR-Magic®

Side height: 55 mm

Mesh cable tray widths:  
100, 150, 200, 300,  
400, 500, 600 mm

#### Versions:

electro galvanisation,  
hot-dip galvanisation,  
steel galvanisation  
grade 304/316

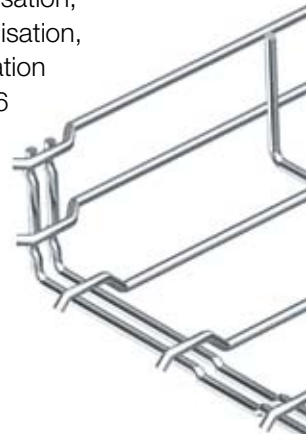
F

G

FT

V2A

V4A



Components for all systems

#### Fitting

Side height: 35 mm, 55 mm, 105 mm

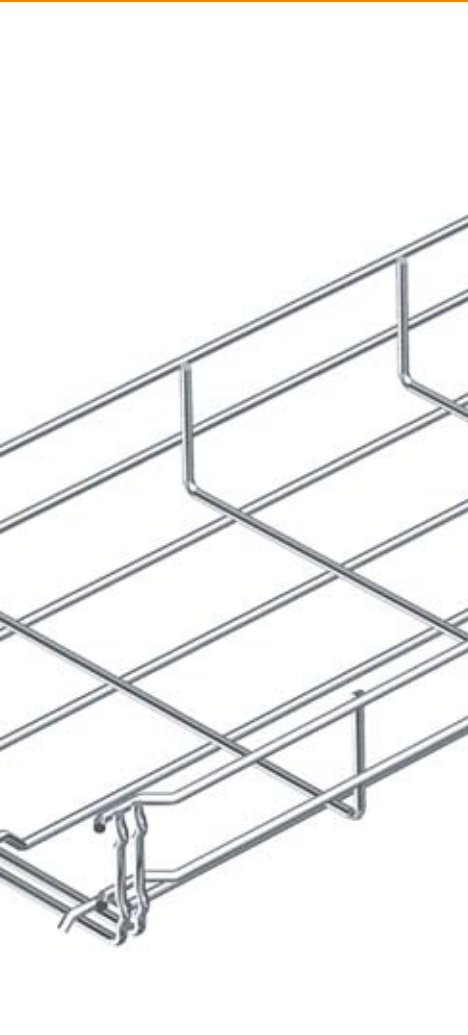


#### Connection and fastening

Irrespective of side height



		Usable mesh cable tray cross-section in cm <sup>2</sup>						
		Mesh cable tray widths in mm						
		100	150	200	300	400	500	600
Side height	35	35	52.5	70	105	–	–	–
	55	40	63	87	129	175	220	265
	105	82	130	175	268	363	459	554



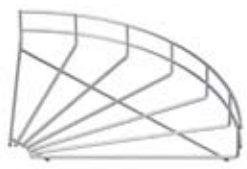
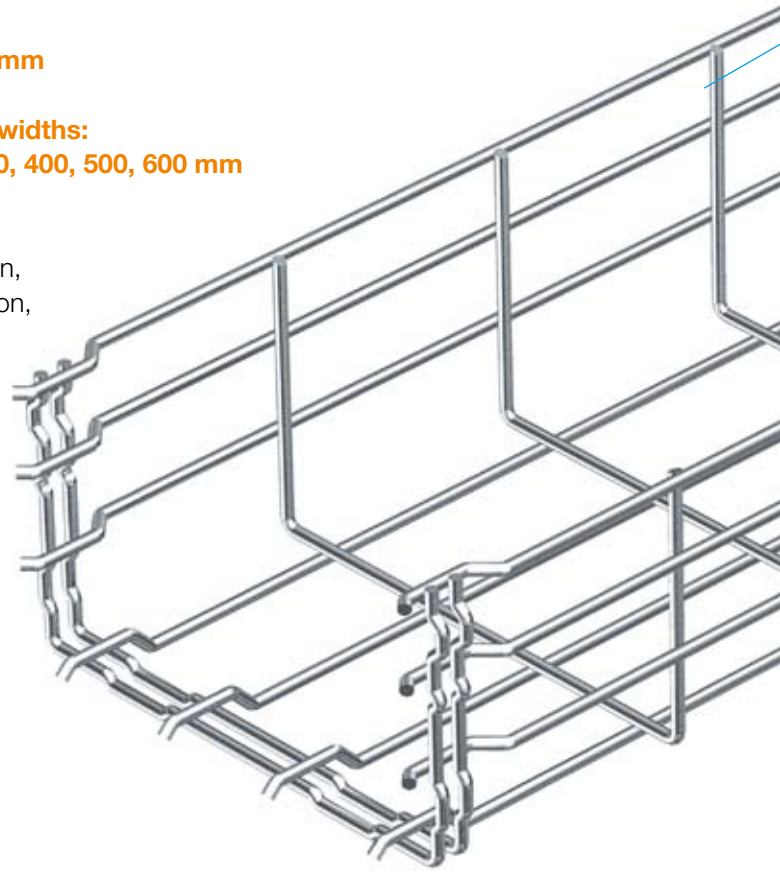
## GR-Magic®

Side height: 105 mm

Mesh cable tray widths:  
100, 150, 200, 300, 400, 500, 600 mm

**Versions:**  
electro galvanisation,  
hot-dip galvanisation,  
stainless steel,  
grade 304/316

- G**
- FT**
- V2A**
- V4A**



## System overview

### Mesh cable tray systems



**GR-Magic®**  
Mesh cable tray system  
Side height 35, 55, 105 mm



**C mesh cable tray system**  
Side height 50 mm

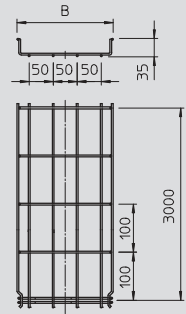
Mesh cable tray system GR-Magic

Mesh cable tray GR-Magic® 35



Type	Width mm	Wire Ø mm	Length mm	Useful cross- section cm²	Perm. load			Weight kg/100 m	Item No. ST / G
					1.0 m kN/m	1.5 m kN/m	2.0 m kN/m		
GRM 35/50	50	3.9	3,000	17,5	0.25	0.11	0.10	45.300	6000 06 0
GRM 35/100	100	3.9	3,000	35	0.25	0.11	0.10	49.300	6000 06 2
GRM 35/150	150	3.9	3,000	52,5	0.25	0.11	0.10	63.100	6000 06 3
GRM 35/200	200	3.9	3,000	70	0.30	0.14	0.10	76.800	6000 06 4
GRM 35/300	300	4.8	3,000	105	0.75	0.22	0.15	159.100	6000 06 6
									ST / FT
GRM 35/50	50	3.9	3,000	17,5	0.25	0.11	0.10	46.300	6000 06 9
GRM 35/100	100	3.9	3,000	35	0.25	0.11	0.10	50.400	6000 07 1
GRM 35/150	150	3.9	3,000	52,5	0.25	0.11	0.10	64.500	6000 07 2
GRM 35/200	200	3.9	3,000	70	0.30	0.14	0.30	78.600	6000 07 3
GRM 35/300	300	4.8	3,000	105	0.75	0.22	0.15	162.700	6000 07 5
									V2A
GRM 35/50	50	—	3,000	—	—	—	—	45.000	6000 05 4
GRM 35/100	100	3.9	3,000	35	0.25	0.11	0.10	49.000	6000 05 5
GRM 35/150	150	3.9	3,000	52,5	0.25	0.11	0.10	62.600	6000 05 6
GRM 35/200	200	3.9	3,000	70	0.30	0.14	0.10	76.300	6000 05 7
GRM 35/300	300	4.8	3,000	105	0.75	0.22	0.15	157.900	6000 05 9
									V4A
GRM 35/100	100	3.9	3,000	35	0.25	0.11	0.10	49.000	6000 08 7
GRM 35/150	150	3.9	3,000	52,5	0.25	0.11	0.10	62.600	6000 08 9
GRM 35/200	200	3.9	3,000	70	0.30	0.14	0.10	76.300	6000 09 0
GRM 35/300	300	4.8	3,000	105	0.75	0.22	0.15	157.900	6000 09 1

Price  
/m



Mesh cable tray with shaped connector of side height 35 mm.

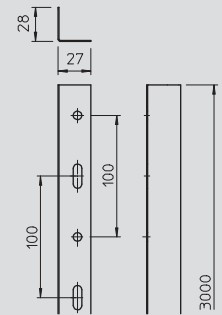
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

Barrier strip



Type	Side height mm	Length mm	Pack. m	Weight kg/100 m	Item No. ST / FS
TSG 28	28	3,000	60	31.000	6062 01 6
					ST / FT
TSG 28	28	3,000	60	35.000	6062 01 7
					V4A
TSG 28	28	3,000	60	33.000	6062 01 8

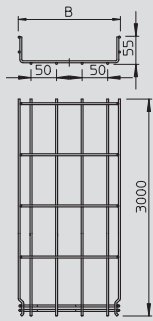
Price  
/m



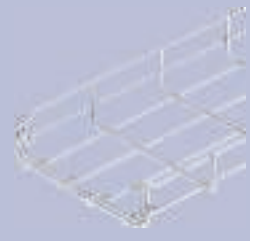
Barrier strip for separation of cables of different voltages or functions.

Mesh cable tray system GR-Magic

Mesh cable tray GR-Magic® 55



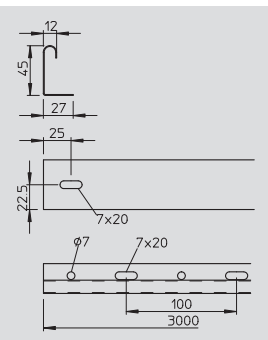
Type	Width mm	Wire Ø mm	Length mm	Useful cross- section cm²	Perm. load			Weight kg/100 m	Item No. ST / F	Price /m
					1.0 m	1.5 m	2.0 m			
GRM 55/100	100	3.9	3,000	40	0.25	0.12	0.08	72.000	6001 04 0	
GRM 55/150	150	3.9	3,000	63	0.25	0.12	0.08	85.700	6001 04 4	
GRM 55/200	200	3.9	3,000	87	0.25	0.12	0.08	99.600	6001 04 7	
GRM 55/300	300	4.8	3,000	129	0.60	0.28	0.25	192.600	6001 05 0	
GRM 55/400	400	4.8	3,000	175	0.60	0.28	0.25	234.600	6001 05 3	
GRM 55/500	500	4.8	3,000	220	0.75	0.38	0.25	276.500	6001 05 6	
GRM 55/600	600	4.8	3,000	265	0.75	0.38	0.25	318.400	6001 05 9	
									ST / G	
GRM 55/50	50	3.9	3,000	16	0.25	0.12	0.08	67.000	6001 44 1	
GRM 55/100	100	3.9	3,000	40	0.25	0.12	0.08	72.400	6001 44 2	
GRM 55/150	150	3.9	3,000	63	0.25	0.12	0.08	85.800	6001 44 4	
GRM 55/200	200	3.9	3,000	87	0.25	0.12	0.08	100.000	6001 44 6	
GRM 55/200	200	4.8	3,000	87	0.60	0.28	0.25	151.000	6001 44 7	
GRM 55/300	300	4.8	3,000	129	0.60	0.28	0.25	194.500	6001 44 8	
GRM 55/400	400	4.8	3,000	175	0.60	0.28	0.25	236.700	6001 45 0	
GRM 55/500	500	4.8	3,000	220	0.75	0.38	0.25	279.000	6001 45 2	
GRM 55/600	600	4.8	3,000	265	0.75	0.38	0.25	321.200	6001 45 4	
									ST / FT	
GRM 55/50	50	3.9	3,000	16	0.25	0.12	0.08	70.000	6001 41 5	
GRM 55/100	100	3.9	3,000	40	0.25	0.12	0.08	71.330	6001 41 6	
GRM 55/150	150	3.9	3,000	63	0.25	0.12	0.08	89.900	6001 41 8	
GRM 55/200	200	3.9	3,000	87	0.25	0.12	0.08	103.500	6001 42 0	
GRM 55/200	200	4.8	3,000	87	0.60	0.28	0.25	154.300	6001 42 1	
GRM 55/300	300	4.8	3,000	129	0.60	0.28	0.25	200.700	6001 42 4	
GRM 55/400	400	4.8	3,000	175	0.60	0.28	0.25	244.300	6001 42 8	
GRM 55/500	500	4.8	3,000	220	0.75	0.38	0.25	287.900	6001 43 2	
GRM 55/600	600	4.8	3,000	265	0.75	0.38	0.25	331.600	6001 43 6	
									V2A	
GRM 55/50	50	3.9	3,000	16	0.25	0.12	0.08	67.000	6001 07 0	
GRM 55/100	100	3.9	3,000	40	0.25	0.12	0.08	75.000	6001 07 2	
GRM 55/150	150	3.9	3,000	63	0.25	0.12	0.08	88.000	6001 07 4	
GRM 55/200	200	3.9	3,000	87	0.25	0.12	0.08	97.000	6001 07 6	
GRM 55/300	300	4.8	3,000	129	0.60	0.28	0.25	200.000	6001 07 8	
GRM 55/400	400	4.8	3,000	175	0.60	0.28	0.25	243.000	6001 08 0	
GRM 55/500	500	4.8	3,000	220	0.75	0.38	0.25	287.000	6001 08 2	
GRM 55/600	600	4.8	3,000	265	0.75	0.38	0.25	331.000	6001 08 5	
									V4A	
GRM 55/50	50	3.9	3,000	16	0.25	0.12	0.08	67.000	6001 08 7	
GRM 55/100	100	3.9	3,000	40	0.25	0.12	0.08	75.000	6001 08 8	
GRM 55/150	150	3.9	3,000	63	0.25	0.12	0.08	88.000	6001 09 0	
GRM 55/200	200	3.9	3,000	87	0.25	0.12	0.08	97.000	6001 09 1	
GRM 55/300	300	4.8	3,000	129	0.60	0.28	0.25	200.000	6001 09 3	
GRM 55/400	400	4.8	3,000	175	0.60	0.28	0.25	243.000	6001 09 5	
GRM 55/500	500	4.8	3,000	220	0.75	0.38	0.25	287.000	6001 09 7	
GRM 55/600	600	4.8	3,000	265	0.75	0.38	0.25	331.000	6001 09 9	



Mesh cable tray with shaped connector of side height 55 mm.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm (exception: GRM 55/50 = 20 x 100 mm).

Barrier strip



Type	Side height mm	Length mm	Pack. m	Weight kg/100 m	Item No. ST / FS	Price /m
TSG 45	45	3,000	45	50.000	6062 32 0	
					V2A	
TSG 45	45	3,000	45	52.330	6062 02 4	
					V4A	
TSG 45	45	3,000	45	52.330	6062 02 7	



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

Mesh cable tray system GR-Magic

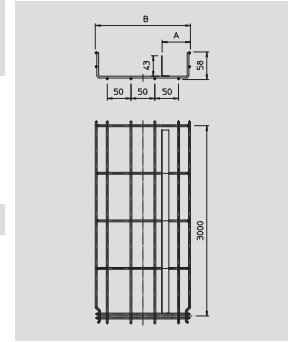
Mesh cable tray GR-Magic® 55 with barrier strip



Type	Width mm	Dimen- sion A mm	Wire Ø mm	Length mm	Useful cross- section cm²	Perm. load			Weight kg/100 m	Item No. ST / G
						1.0 m kN/m	1.5 m kN/m	2.0 m kN/m		
GRM-T 55/100	100	59.5	3.9	3,000	40	0.35	0.25	0.13	116.500	6006 45 3
GRM-T 55/200	200	59.5	3.9	3,000	87	0.35	0.25	0.13	144.100	6006 45 5
GRM-T 55/300	300	199.5	4.8	3,000	129	0.75	0.45	0.30	238.600	6006 45 6
GRM-T 55/400	400	299.5	4.8	3,000	175	0.75	0.45	0.30	280.800	6006 45 7
GRM-T 55/500	500	399.5	4.8	3,000	220	0.75	0.45	0.30	323.100	6006 45 8

Mesh cable tray with shaped connector and welded barrier strips of side height 55 mm.

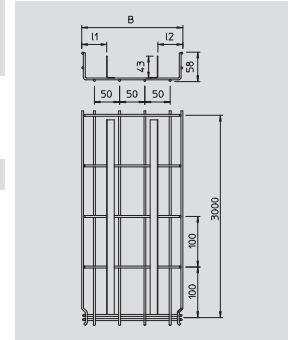
No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.



Type	Width mm	Dimen- sion I1 mm	Dimen- sion I2 mm	Wire Ø mm	Length mm	Useful cross- section cm²	Perm. load			Weight kg/100 m	Item No. ST / G
							1.0 m kN/m	1.5 m kN/m	2.0 m kN/m		
GRM-2T 55/200	200	69	69	3.9	3,000	87	0.62	0.38	0.26	188.200	6006 39 5
GRM-2T 55/300	300	119	119	4.8	3,000	129	0.97	0.58	0.45	282.700	6006 39 6
GRM-2T 55/400	400	118	230	4.8	3,000	175	1.50	0.80	0.55	336.700	6006 39 7

Mesh cable tray with shaped connector and two welded barrier strips of side height 55 mm.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.

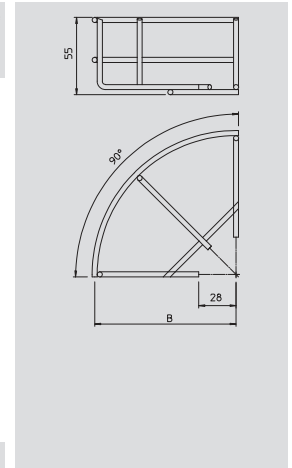


90° mesh cable tray bend



Type	Width mm	Wire Ø mm	Pack. pcs	Weight kg/% pc	Item No. ST / G
GRB 90/515	150	3.9	1	14.400	6001 99 8
GRB 90/520	200	3.9	1	18.400	6001 93 9
GRB 90/530	300	4.4	1	41.700	6001 94 7
GRB 90/540	400	4.8	1	65.500	6001 95 5
GRB 90/550	500	4.8	1	95.000	6001 96 3
GRB 90/560	600	4.8	1	114.000	6001 97 1
					ST / FT
GRB 90/510	100	3.9	1	7.500	6002 21 8
GRB 90/515	150	3.9	1	15.100	6002 22 2
GRB 90/520	200	3.9	1	20.000	6002 22 6
GRB 90/530	300	4.4	1	43.500	6002 23 4
GRB 90/540	400	4.8	1	68.000	6002 24 2
GRB 90/550	500	4.8	1	100.000	6002 25 0
GRB 90/560	600	4.8	1	118.000	6002 26 9

90° bend, horizontal, for all mesh cable trays of 55 mm side height.



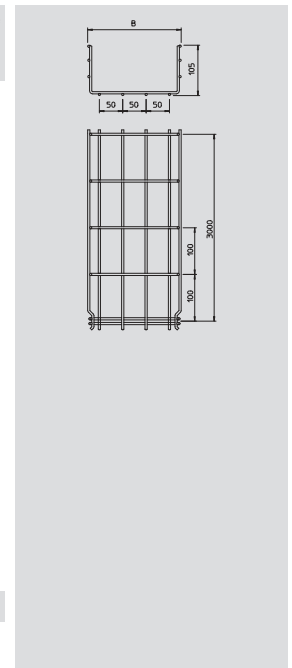
Mesh cable tray GR-Magic® 105



Type	Width mm	Wire Ø mm	Length mm	Useful cross- section cm²	Perm. load			Weight kg/100 m	Item No. ST / G
					1.0 m kN/m	1.5 m kN/m	2.0 m kN/m		
GRM 105/100	100	3.9	3,000	82	0.80	0.55	0.37	100.000	6002 40 2
GRM 105/150	150	3.9	3,000	130	0.80	0.55	0.37	110.900	6002 40 4
GRM 105/200	200	4.8	3,000	175	0.80	0.55	0.37	194.500	6002 40 6
GRM 105/300	300	4.8	3,000	268	1.10	0.75	0.53	236.700	6002 40 8
GRM 105/400	400	4.8	3,000	363	1.10	0.75	0.53	278.000	6002 41 0
GRM 105/500	500	4.8	3,000	459	1.25	0.85	0.60	319.000	6002 41 5
GRM 105/600	600	4.8	3,000	554	1.25	0.85	0.60	359.000	6002 41 7
									ST / FT
GRM 105/100	100	3.9	3,000	82	0.80	0.55	0.37	103.700	6002 43 1
GRM 105/150	150	3.9	3,000	130	0.80	0.55	0.37	116.200	6002 43 3
GRM 105/200	200	4.8	3,000	175	0.80	0.55	0.37	200.700	6002 43 5
GRM 105/300	300	4.8	3,000	268	1.10	0.75	0.53	244.300	6002 43 7
GRM 105/400	400	4.8	3,000	363	1.10	0.75	0.53	288.000	6002 43 9
GRM 105/500	500	4.8	3,000	459	1.25	0.85	0.60	333.000	6002 44 3
GRM 105/600	600	4.8	3,000	554	1.25	0.85	0.60	370.000	6002 44 5
									V2A
GRM 105/100	100	3.9	3,000	82	0.80	0.55	0.37	99.000	6002 45 1
GRM 105/200	200	4.8	3,000	175	0.80	0.55	0.37	193.200	6002 45 7
GRM 105/300	300	4.8	3,000	268	1.10	0.75	0.53	235.100	6002 46 0
GRM 105/400	400	4.8	3,000	363	1.10	0.75	0.53	277.100	6002 46 3
GRM 105/500	500	4.8	3,000	459	1.25	0.85	0.60	319.100	6002 46 6

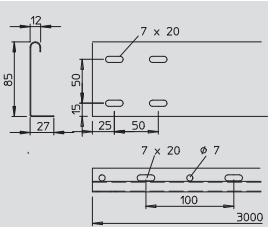
Mesh cable tray with shaped connector of side height 105 mm.

No additional connection components are required for the mesh cable tray, it is simply interlocked. The grid width is 50 x 100 mm.



## Mesh cable tray system GR-Magic

### Barrier strip

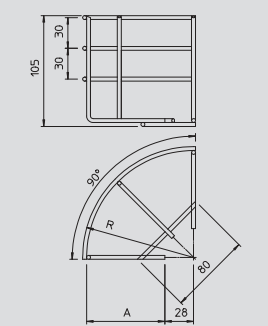


Type	Side height mm	Length mm	Pack. m	Weight kg/100 m	Item No. ST / FS	Price /m
TSG 85	85	3,000	45	96.700	<b>6062 11 3</b> ST / DD	
TSG 85	85	3,000	45	96.700	<b>6062 33 0</b> V2A	
TSG 85	85	3,000	45	96.700	<b>6062 17 2</b>	

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



### 90° mesh cable tray bend

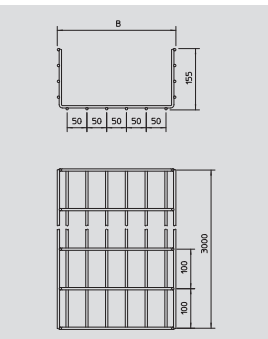


Type	Width mm	Wire Ø mm	Pack. pcs	Weight kg/% pc	Item No. ST / G	Price /pc.
GRB 90/110	100	3.9	1	9.500	<b>6002 37 0</b>	
GRB 90/115	150	3.9	1	18.800	<b>6002 37 2</b>	
GRB 90/120	200	4.4	1	30.400	<b>6002 37 4</b>	
GRB 90/130	300	4.8	1	51.200	<b>6002 37 6</b>	
GRB 90/140	400	4.8	1	78.900	<b>6002 37 8</b>	
GRB 90/150	500	4.8	1	111.700	<b>6002 38 2</b>	
GRB 90/160	600	4.8	1	132.400	<b>6002 38 4</b>	
					ST / FT	
GRB 90/110	100	3.9	1	10.000	<b>6002 30 7</b>	
GRB 90/115	150	3.9	1	19.700	<b>6002 31 1</b>	
GRB 90/120	200	4.4	1	31.000	<b>6002 31 5</b>	
GRB 90/130	300	4.8	1	63.000	<b>6002 32 3</b>	
GRB 90/140	400	4.8	1	81.900	<b>6002 33 1</b>	
GRB 90/150	500	4.8	1	116.000	<b>6002 35 8</b>	
GRB 90/160	600	4.8	1	137.400	<b>6002 36 6</b>	

90° bend, horizontal, for all mesh cable trays of 105 mm side height.

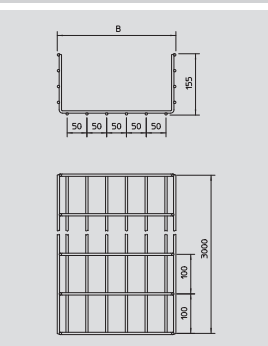


### Mesh cable tray GR



Type	Width mm	Wire Ø mm	Length mm	Weight kg/100 m	Item No. ST / G	Price /m
GR 155/300	300	5.9	3,000	428.000	<b>6003 68 1</b>	
GR 155/450	450	5.9	3,000	510.000	<b>6003 68 4</b>	
GR 155/500	500	5.9	3,000	557.800	<b>6003 68 5</b>	
GR 155/600	600	5.9	3,000	630.000	<b>6003 68 7</b>	

Mesh cable tray made of spot-welded steel wire of side height 155 mm.



Type	Width mm	Wire Ø mm	Length mm	Weight kg/100 m	Item No. ST / FT	Price /m
GR 155/300	300	5.9	3,000	441.000	<b>6003 69 2</b>	
GR 155/450	450	5.9	3,000	525.000	<b>6003 69 5</b>	
GR 155/500	500	5.9	3,000	574.600	<b>6003 69 6</b>	
GR 155/600	600	5.9	3,000	650.000	<b>6003 69 8</b>	

Mesh cable tray made of spot-welded steel wire of side height 155 mm.



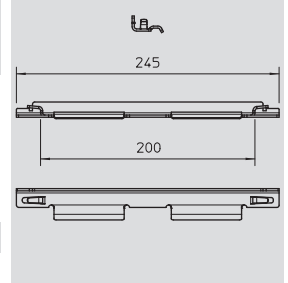
Mesh cable tray accessories 35, 55, 105

Mesh cable tray connector, long



Type	Width mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS ST / DD V4A
GRV 245	245	50	13.500	<b>6016 68 0</b>
GRV 245	245	50	13.500	<b>6016 68 4</b>
GRV 245	245	50	13.500	<b>6016 68 8</b>

Price  
/pc.



Long mesh cable tray connectors for screwless straight connection of mesh cable trays

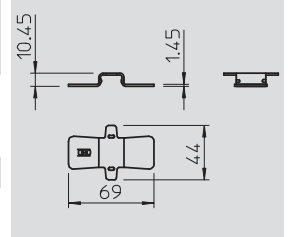
Two straight connectors, type GRV 245, are used for each connection point.

Quick connector



Type	Pack. pcs	Weight kg/% pc	Item No. ST / DD
GRS 3,9	50	2.500	<b>6016 54 5</b>
GRS 4,4	50	2.500	<b>6016 55 3</b>
GRS 4,8	50	2.500	<b>6016 56 1</b>

Price  
/pc.



Quick connector for screwless straight connection of mesh cable trays without special tools.

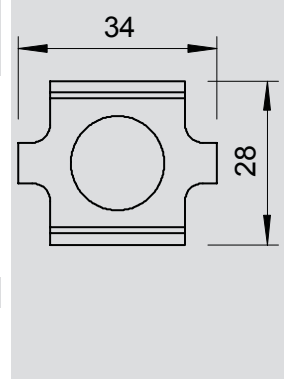
When selecting the connector, please take the appropriate wire thickness of the mesh cable tray into account.

Joint connector



Type	Pack. pcs	Weight kg/% pc	Item No. ST / G ST / FT V2A V4A
GSV 34	25	3.000	<b>6016 59 6</b>
GSV 34	25	3.000	<b>6016 63 4</b>
GSV 34	25	3.000	<b>6016 64 2</b>
GSV 34	10	3.000	<b>6016 64 8</b>

Price  
/pc.



Screwed version of joint connector for cable trays.

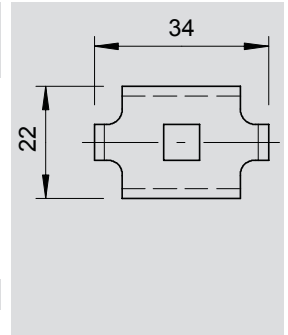
Including FRS M6 x 20 screw with nut-and-washer assembly.

Clamp



Type	Pack. pcs	Weight kg/% pc	Item No. ST / G ST / FT V2A V4A
GKS 34	100	2.000	<b>6016 85 5</b>
GKS 34	100	2.000	<b>6016 82 0</b>
GKS 34	100	2.000	<b>6016 83 9</b>
GKS 34	10	2.000	<b>6016 85 9</b>

Price  
/pc.



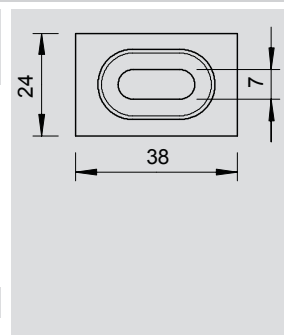
Clamp for fastening mesh cable trays to wall or support brackets.

Including FRS M6 x 20 screw with nut-and-washer assembly.



Type	Pack. pcs	Weight kg/% pc	Item No. ST / G ST / FT V2A V4A
GKT 38	100	2.200	<b>6017 03 7</b>
GKT 38	100	2.300	<b>6017 06 1</b>
GKT 38	100	2.200	<b>6017 04 5</b>
GKT 38	10	2.200	<b>6017 09 2</b>

Price  
/pc.

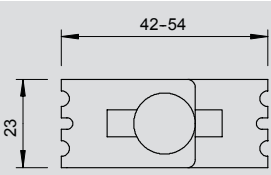


Clamping piece for fastening barrier strips in mesh cable trays.

Including FRS M6 x 20 screw with nut-and-washer assembly.

Mesh cable tray accessories 35, 55, 105

Corner connector



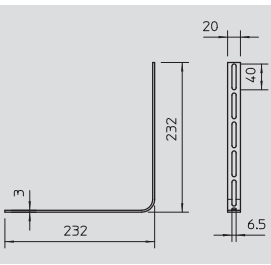
Type	Pack.	Weight	Item No.	Price
	pcs	kg/% pc	ST / G	/pc.
GEV 36	100	3.000	6016 71 5	
			ST / FT	
GEV 36	100	3.000	6016 72 3	
			V2A	
GEV 36	100	3.000	6016 73 1	
			V4A	
GEV 36	10	3.000	6016 76 4	



Corner connector for the creation of mesh cable tray bend elements.

Including FRS M6 x 20 screw with nut-and-washer assembly.

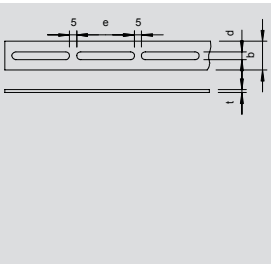
Slotted steel strap, bent



Type	Dimension	Hole size	Pack.	Weight	Item No.	Price
	mm	mm	pcs	kg/% pc	ST / FT	/pc.
5050/20x3	20x3	6,5x40	25	23.000	6017 37 1	

Bent slotted steel strap for creation of bends and tees.

Set includes four clamps, type GKS 34.

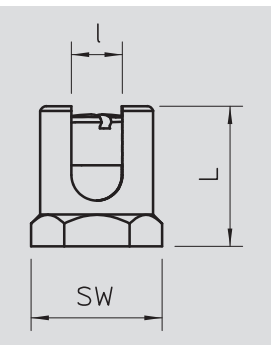


Type	Length	Dimension b	Dimension t	Dimension e	Dimension d	Weight	Item No.	Price
	mm	mm	mm	mm	mm	kg/% pc	ST / FT	/pc.
5050	270	mm	mm	mm	mm	12.220	1466 53 8	
5050	1,000	—	—	—	—	45.280	1466 54 2	

Perforated slotted steel strap in rods.



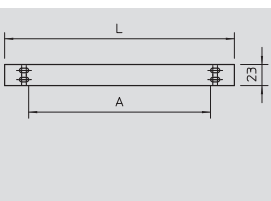
Grounding lug



Type	Dimension L	Dimension l	Cross-section	SW	Thread	Pack.	Weight	Item No.	Price
	mm	mm	mm <sup>2</sup>	mm		pcs	kg/% pc	CuZn	/pc.
B 33020	22	8	25	18	M6	50	3.100	6404 00 6	
B 33021	26	10	35	21	M6	50	4.800	6404 01 4	



Identification plate



Type	Length	Dimension A	Pack.	Weight	Item No.	Price
	mm	mm	pcs	kg/% pc	V2A	/pc.
KS-GR	150	100	20	0.810	6017 70 2	
KS-GR	250	200	20	1.350	6017 70 5	

Identification plate for screwless fastening on mesh cable trays.

The identification plate is blank and can be used for individual labelling.



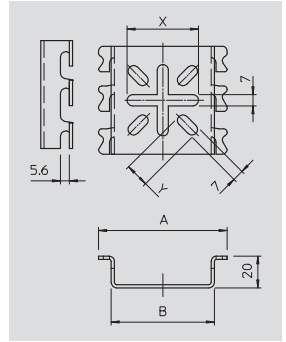
Mesh cable tray accessories 35, 55, 105

Mounting plate



Type	Dimension A mm	Dimension B mm	Dimension x mm	Dimension y mm	Pack. pcs	Weight kg/% pc	Item No. ST / FT
MPG/65	81	65	45	15	30	9.200	<b>6006 48 6</b>
MPG/90	111	95	45	38	30	16.800	<b>6006 48 7</b>
							V4A
MPG/65	81	65	45	15	30	8.800	<b>6006 48 8</b>
MPG/90	111	95	45	38	30	16.100	<b>6006 48 9</b>

Price  
/pc.



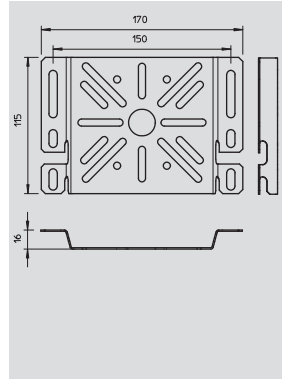
Mounting for screwless fastening on mesh cable trays.

Accessories can be fastened to the mounting plate. In addition, the mounting plate can be used for wall mounting.



Type	Height mm	Width mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS
MP UNI	115	170	40	13.300	<b>7084 77 3</b>
					ST / DD
MP UNI	115	170	40	13.300	<b>7085 11 4</b>
					V2A
MP UNI	115	170	40	13.300	<b>7085 13 3</b>

Price  
/pc.



Mounting plate, for fastening on the side rail of cable support systems.

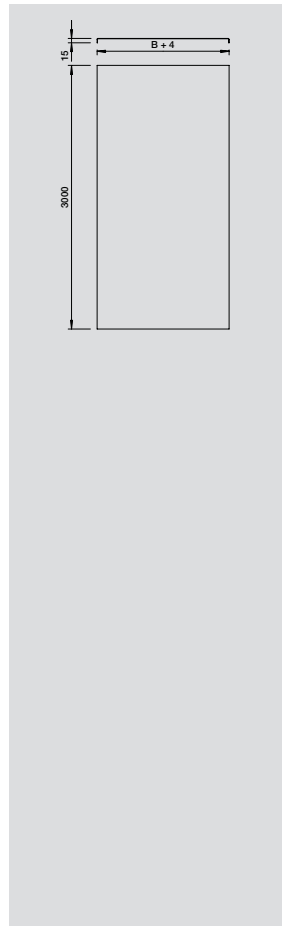
Fastening on the side rail of the mesh cable tray is carried out without screws by bending the locking shackle. Fastening on the side rail of cable trays or cable ladders is carried out with two truss-head bolts. Type B9/T junction boxes can be mounted very easily by inserting the screw plug supplied into the centre hole on the mounting plate. Please order the screw, type FRS B6 x 12, separately.

Cover



Type	Width mm	Plate thickness mm	Length mm	Weight kg/100 m	Item No. ST / FS
DRLU/050	50	0.75	3,000	44.700	<b>6052 05 6</b>
DRLU/100	100	0.75	3,000	74.200	<b>6052 10 3</b>
DRLU/150	150	0.75	3,000	138.200	<b>6052 15 3</b>
DRLU/200	200	1	3,000	177.400	<b>6052 21 0</b>
DRLU/300	300	1	3,000	255.900	<b>6052 30 7</b>
DRLU/400	400	1	3,000	334.400	<b>6052 40 5</b>
DRLU/500	500	1.25	3,000	516.100	<b>6052 51 2</b>
DRLU/600	600	1.25	3,000	614.300	<b>6052 60 9</b>
					ST / DD
DRLU/050	50	0.75	3,000	44.700	<b>6052 64 0</b>
DRLU/100	100	0.75	3,000	74.200	<b>6052 64 3</b>
DRLU/150	150	0.75	3,000	138.200	<b>6052 64 7</b>
DRLU/200	200	1	3,000	177.400	<b>6052 65 0</b>
DRLU/300	300	1	3,000	255.900	<b>6052 65 6</b>
DRLU/400	400	1	3,000	334.400	<b>6052 66 2</b>
DRLU/500	500	1.25	3,000	516.200	<b>6052 66 8</b>
DRLU/600	600	1.25	3,000	614.300	<b>6052 67 4</b>
					V2A
DRLU/050	50	1	3,000	60.000	<b>6052 82 1</b>
DRLU/100	100	1	3,000	104.000	<b>6052 82 4</b>
DRLU/150	150	1	3,000	138.200	<b>6052 82 8</b>
DRLU/200	200	1	3,000	178.000	<b>6052 83 1</b>
DRLU/300	300	1	3,000	256.000	<b>6052 83 4</b>
DRLU/400	400	1	3,000	334.400	<b>6052 83 7</b>
DRLU/500	500	1.25	3,000	516.100	<b>6052 84 1</b>
DRLU/600	600	1.25	3,000	614.300	<b>6052 84 4</b>
					V4A
DRLU/100	100	1	3,000	99.000	<b>6052 99 1</b>
DRLU/200	200	1	3,000	178.000	<b>6052 99 3</b>
DRLU/300	300	1	3,000	256.000	<b>6052 99 4</b>
DRLU/400	400	1	3,000	334.400	<b>6052 99 5</b>
DRLU/500	500	1.25	3,000	516.100	<b>6052 99 6</b>
DRLU/600	600	1.25	3,000	614.300	<b>6052 99 8</b>

Price  
/m

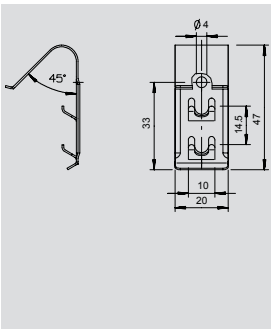


Cover for cable trays and mesh cable trays.

Cross beading from 500 mm width.

Mesh cable tray accessories 35, 55, 105

Cover clamp, universal

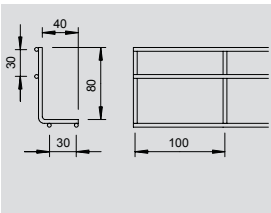


Type	Pack.	Weight	Item No.	Price
	pcs	kg/% pc	V2A	/% pc.
DKU	60	0.650	6065 60 0	
DKU/SP	120	0.650	6065 61 0	

Cover clamp for universal fastening of covers on cable trays, mesh cable trays and AZ channels.  
Depending on the tray width, 4-6 cover clamps are required for secure fastening of a 3 m cover.



Mesh angle

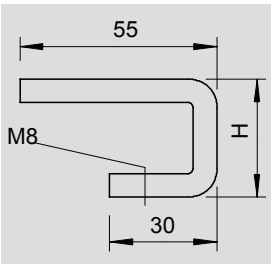


Type	Length	Weight	Item No.	Price
	mm	kg/100 m	ST / FT	/m
GW 40/80	2,000	63.000	6003 81 8	

Mesh angle for routing cables in steel girders.



Beam clamp

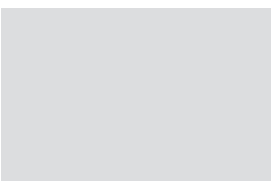


Type	Height	Pack.	Weight	Item No.	Price
	mm	pcs	kg/% pc	ST / FT	/pc.
KL 20	20	10	20.000	6003 85 0	
KL 30	30	10	21.500	6003 86 9	

Beam clamp for fastening the mesh angle, type GW 40/80 to steel girders.  
When selecting the beam clamp, please take the flange thickness of the steel girder into account.



Bolt cutter

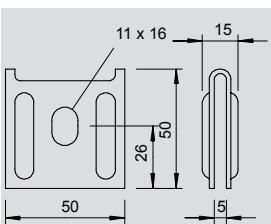


Type	Length	Cutting area	Pack.	Weight	Item No.	Price
	mm	mm	pcs	kg/% pc	ST	/pc.
GR BS	450	3 -6.0	1	160.000	6017 70 0	

Bolt cutter for cutting mesh cable trays.



Wall clamp / central hanger

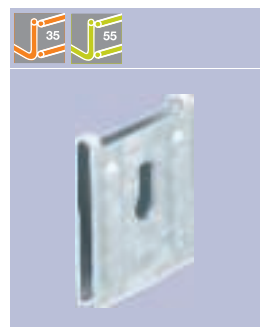


Type	Pack.	Weight	Item No.	Price
	pcs	kg/% pc	ST / FS	/pc.
K 12 1818	25	7.600	6437 10 9	
			V2A	
K12 1818	25	7.600	6016 42 1	

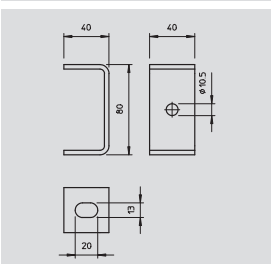
Wall clamp and central hanger for mesh cable trays.

Recommendation:  
As wall mounting up to max. mesh cable tray width 200 mm.  
As centre suspension up to max. mesh cable tray width 200 mm.

As a trapeze suspension from a width of 300 mm.



Ceiling bracket



Type	Pack.	Weight	Item No.	Price
	pcs	kg/% pc	ST / FT	/pc.
DB	50	16.000	6356 10 9	

Ceiling bracket for threaded rod suspension.



## Mesh cable tray accessories 35, 55, 105

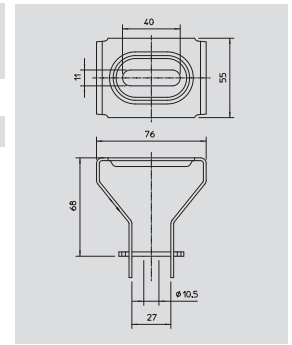
### Ceiling bracket, variable



Type	Pack.	Weight	Item No.
	pcs	kg/% pc	ST / FS
<b>DBV</b>	20	18.200	<b>6356 05 5</b>

Price /pc.

Ceiling bracket for suspension with threaded rods. The variable adjustment permits universal use. The locked threaded rod seat offers the option of infinite angle adjustment.



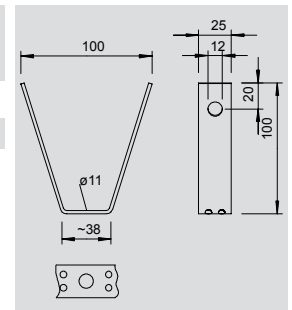
### Ceiling bracket, trapezoidal



Type	Material thickness	F in kN	Pack.	Weight	Item No.
	mm	kN	pcs	kg/% pc	ST / FS
<b>TPB 100</b>	2.5	0.8	50	11.000	<b>6357 50 4</b>

Price /pc.

Ceiling bracket for fastening to standard trapezoidal ceilings. Important: observe the statics of the trapezoidal metal ceiling.



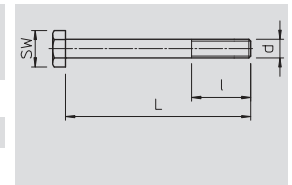
### Hexagon head screw



Type	Dimension	Dimension L	Dimension I	Dimension d	SW	Pack.	Weight	Item No.
	mm	mm	mm	mm	mm	pcs	kg/% pc	ST / G
<b>SKS 10x110</b>	M10 x 110	110	30	10	17	25	9.500	<b>6418 24 4</b>

Price /pc.

Hexagon head screw with washers and hexagonal nut.



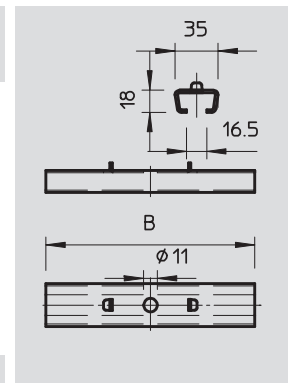
### Central hanger



Type	Dimension L	Pack.	Weight	Item No.
	mm	pcs	kg/% pc	ST / FS
<b>GMS 170</b>	170	25	20.000	<b>6015 40 0</b>
<b>GMS 270</b>	270	25	32.000	<b>6015 40 2</b>
<b>GMS 370</b>	370	25	43.000	<b>6015 40 4</b>
<b>GMS 470</b>	470	10	55.000	<b>6015 40 6</b>
<b>GMS 570</b>	570	10	67.000	<b>6015 40 8</b>
				V4A
<b>GMS 170</b>	170	25	20.000	<b>6015 41 8</b>
<b>GMS 270</b>	270	25	32.000	<b>6015 41 9</b>
<b>GMS 370</b>	370	25	43.000	<b>6015 42 0</b>
<b>GMS 470</b>	470	10	55.000	<b>6015 42 1</b>
<b>GMS 570</b>	570	10	67.000	<b>6015 42 2</b>

Price /pc.

Central hanger including clamp for mesh cable tray suspensions.



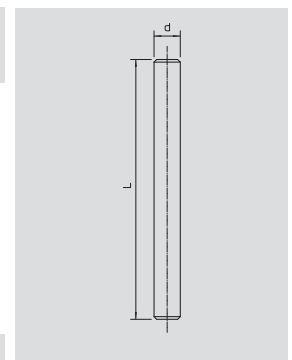
### Threaded rod



Type	Thread	Dimension d	Dimension L	Pack.	Weight	Item No.
		mm	mm	pcs	kg/% pc	ST / G
<b>2078</b>	M8	8	1,000	50	30.000	<b>3141 12 8</b>
<b>2078</b>	M10	10	1,000	25	49.000	<b>3141 20 9</b>
<b>2078</b>	M12	12	1,000	20	70.000	<b>3141 30 6</b>
<b>2078</b>	M8	8	2,000	25	60.000	<b>3141 13 6</b>
<b>2078</b>	M10	10	2,000	25	98.000	<b>3141 14 0</b>
<b>2078</b>	M12	12	2,000	20	140.000	<b>3141 14 4</b>
						V2A
<b>2078</b>	M8	8	1,000	50	30.000	<b>3141 31 0</b>
<b>2078</b>	M10	10	1,000	25	49.000	<b>3141 31 2</b>
<b>2078</b>	M12	12	1,000	20	70.000	<b>3141 31 4</b>

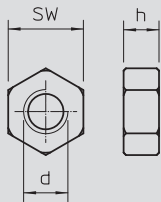
Price /% pc.

Threaded rod to DIN 976



Mesh cable tray accessories 35, 55, 105

Hexagonal nut

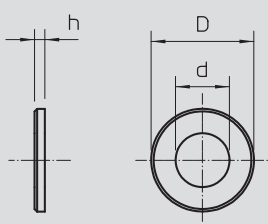


Type	Dimension d mm	Dimension h mm	SW mm	Pack. pcs	Weight kg/% pc	Item No. ST / G	Price / % pc.
DIN 934	8	6.8	13	100	0.474	3400 08 5	
DIN 934	10	8.4	17	100	1.084	3400 10 7	
DIN 934	12	10.8	19	100	1.730	3400 12 3	
						V2A	
DIN 934	8	6.8	13	100	0.520	3397 08 4	
DIN 934	10	8.4	17	100	1.160	3397 10 6	
DIN 934	12	10.8	19	100	1.730	3397 11 4	

Hexagonal nut to DIN 934 with metric thread.



Washer

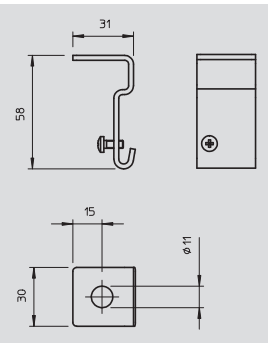


Type	Thread	Dimension d mm	Dimension D mm	Dimension h mm	Box Quantity pcs	Pack. pcs	Weight kg/% pc	Item No. ST / G	Price / % pc.
966	M8	8.4	16	1.6	5,000	100	0.214	3402 08 8	
966	M10	10.5	20	2	3,000	100	0.408	3402 09 6	
966	M12	13	24	2.5	2,400	100	0.627	3402 12 6	
								V2A	
966	M8	8.4	16	1.6	5,000	100	0.214	3402 31 2	
966	M10	10.5	20	2	3,000	100	0.408	3402 32 0	
966	M12	13	24	2.5	2,400	100	0.627	3402 33 9	

Washer according to DIN 125, shape A, for universal use.



Side holder

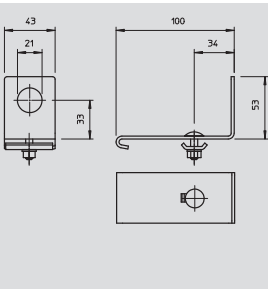


Type	for threaded rod	Pack.	Weight	Item No.	Price /pc.
		pcs	kg/% pc	ST / FS	
SH M10	M10	50	5.500	6015 33 6	
				ST / FT	
SH M10	M10	50	5.800	6015 33 8	
				V4A	
SH M10	M10	20	5.500	6015 34 0	

Side holder for side suspension of cable trays.



Conduit take off bracket



Type	Hole- $\phi$ mm	Pack.	Weight	Item No.	Price /pc.
		pcs	kg/% pc	ST / FS	
SH KAB 20	20	20	21.000	6015 42 5	
				ST / FS	
SH KAB 25	25	20	21.000	6015 43 3	

Conduit take off bracket with perforation for accepting cable glands.



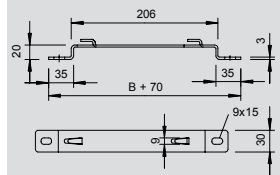
## Mesh cable tray accessories 35, 55, 105

### Stand off bracket



Type	Dimension B mm	Pack. pcs	Weight kg/% pc	Item No.	
				ST	FS
DBLG 20/050	50	20	10.300	6015 64 6	
DBLG 20/100	100	20	13.800	6015 65 4	
DBLG 20/150	150	20	17.400	6015 65 8	
DBLG 20/200	200	20	20.900	6015 66 2	
DBLG 20/300	300	20	37.300	6015 67 0	
DBLG 20/400	400	20	46.700	6015 68 9	
DBLG 20/500	500	25	56.900	6015 69 3	
DBLG 20/600	600	25	66.400	6015 69 7	
				ST	FT
DBLG 20/050	50	20	10.700	6015 64 8	
DBLG 20/100	100	20	14.300	6015 65 6	
DBLG 20/150	150	20	18.100	6015 66 0	
DBLG 20/200	200	20	21.700	6015 66 4	
DBLG 20/300	300	20	38.800	6015 67 2	
DBLG 20/400	400	20	48.600	6015 69 1	
DBLG 20/500	500	25	59.200	6015 69 5	
DBLG 20/600	600	25	69.100	6015 69 9	

Price /pc.



Stand off bracket for stand-off of mesh cable trays on the floor or on the wall.

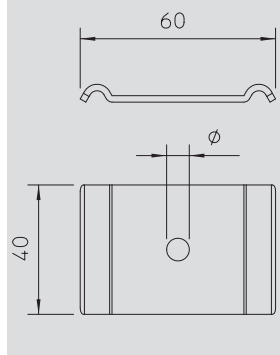
Screwless fastening of the mesh cable tray on the stand off bracket.

### Hold down clamp



Type	Hole-Ø mm	Pack. pcs	Weight kg/% pc	Item No.	
				ST	FS
GKS 50	7	50	4.000	6015 26 3	
GKS 50	11	50	4.000	6015 27 6	
				ST	FT
GKS 50	7	50	4.500	6015 27 1	
				ST	FT
GKS 50		50	4.100	6015 27 8	
				V4A	
GKS 50	11	50	4.000	6015 28 0	

Price /pc.



Clamp for fastening mesh cable trays on the ground or on stand off brackets of type DBL.

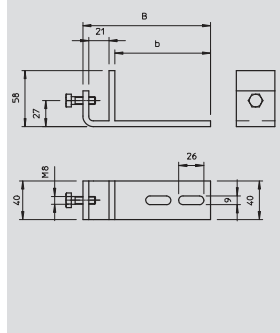
Use on mesh cable trays with 50 x 100 mm grid only.

### Beam clamp



Type	Dimension B mm	Dimension b mm	Pack. pcs	Weight kg/% pc	Item No.	
					ST	FT
BFK 132/58	132	99	25	39.000	6003 88 0	
					ST	FT
BFK 166/58	166	133	20	45.000	6003 88 8	
					V2A	
BFK 132/58	132	99	25	38.000	6003 87 1	
					V2A	
BFK 166/58	166	133	20	44.000	6003 87 7	

Price /pc.



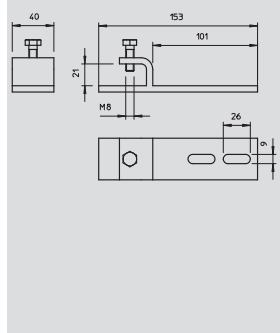
Beam clamp for clamping on the steel girder.

The cable support system attached to the beam clamp is vertical routing.



Type	Dimension B mm	Dimension b mm	Pack. pcs	Weight kg/% pc	Item No.	
					ST	FT
BFK 153/33	153	101	25	37.000	6003 88 4	
					ST	FT
BFK 187/33	187	135	20	43.000	6003 89 2	
					V2A	
BFK 153/33	153	101	25	36.000	6003 87 3	
					V2A	
BFK 187/33	187	135	20	42.000	6003 87 9	

Price /pc.

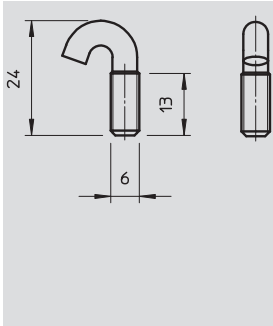


Beam clamp for clamping on the steel girder.

The cable support system attached to the beam clamp is horizontal routing.

Mesh cable tray accessories 35, 55, 105

Hook screw

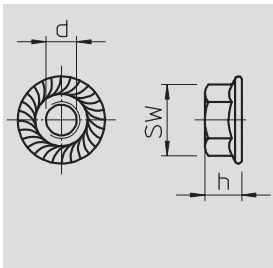


Type	Thread	Pack.	Weight	Item No.	Price
		pcs	kg/% pc	V2A	/% pc.
HS M6	M6	100	0.500	<b>1154 99 0</b>	

Hook screw for fastening mesh cable trays on the bracket or the beam clamp, type BFK.



Nut-and-washer assembly

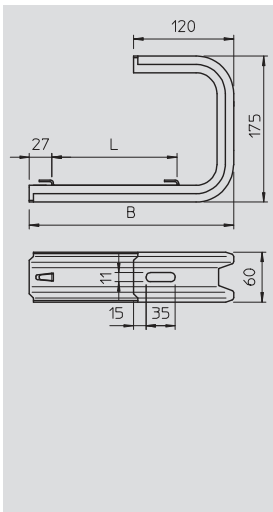


Type	Dimension d	Dimension h	SW	Pack.	Weight	Item No.	Price
	mm	mm	mm	pcs	kg/% pc	V2A	/% pc.
KM M6	6	6	10	100	0.315	<b>6408 96 6</b>	

Nut with pressed washer.



TP wall and ceiling bracket



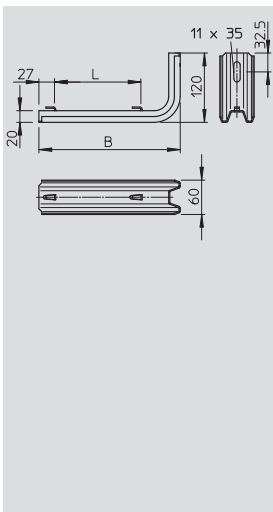
Type	Width	for width	F in kN wall	F in kN ceiling	Pack.	Weight	Item No.	Price
	mm	mm	kN	kN	pcs	kg/% pc	ST / FS	/pc.
TPDG/145	145	100	1.4	1.3	6	53.000	<b>6365 90 6</b>	
TPDG/195	195	150	1.05	0.95	6	59.000	<b>6365 91 4</b>	
TPDG/245	245	200	0.87	0.8	5	68.000	<b>6365 92 2</b>	
TPDG/345	345	300	0.55	0.5	5	81.000	<b>6365 94 9</b>	
							ST / FT	
TPDG/145	145	100	1.4	1.3	6	56.000	<b>6365 97 7</b>	
TPDG/245	245	200	0.87	0.8	5	71.000	<b>6365 98 1</b>	
TPDG/345	345	300	0.55	0.5	5	86.000	<b>6365 98 5</b>	
							V2A	
TPDG/145	145	100	1.4	1.3	1	0.000	<b>6365 98 9</b>	
TPDG/195	195	150	1.05	0.95	1	60.000	<b>6365 99 1</b>	
TPDG/245	245	200	0.87	0.8	1	67.000	<b>6365 99 3</b>	
TPDG/345	345	300	0.55	0.5	1	81.000	<b>6365 99 5</b>	

TP wall and ceiling bracket with clamping lugs for screwless mesh cable tray fastening.

Important! If the ceiling bracket is fastened directly to the wall or ceiling, then, for reasons of stability, always use the spacer, type DS 4.  
Max. side height of the cable support system 60 mm.



TP wall and support bracket



Type	Width	for width	F in kN	Pack.	Weight	Item No.	Price
	mm	mm	kN	pcs	kg/% pc	ST / FS	/pc.
TPSAG/145	145	100	1.5	50	33.000	<b>6366 01 5</b>	
TPSAG/195	195	150	1.0	20	41.000	<b>6366 02 3</b>	
TPSAG/245	245	200	0.9	20	48.000	<b>6366 03 1</b>	
TPSAG/345	345	300	0.55	20	61.000	<b>6366 06 6</b>	
						ST / FT	
TPSAG/145	145	100	1.5	50	33.000	<b>6366 13 1</b>	
TPSAG/195	195	150	1.0	20	42.000	<b>6366 13 5</b>	
TPSAG/245	245	200	0.9	20	49.000	<b>6366 13 9</b>	
TPSAG/345	345	300	0.55	20	65.000	<b>6366 14 3</b>	
						V2A	
TPSAG/145	145	100	1.5	1	0.000	<b>6366 14 5</b>	
TPSAG/195	195	150	1.0	1	0.000	<b>6366 14 6</b>	
TPSAG/245	245	200	0.9	1	0.000	<b>6366 14 8</b>	
TPSAG/345	345	300	0.55	1	61.000	<b>6366 14 9</b>	

TP bracket with clamping lugs.

If the bracket is fastened directly to the wall or the profiles are screwed together, then, for reasons of stability, always use the spacer, type DS 4.



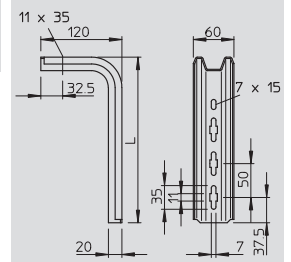
Mesh cable tray accessories 35, 55, 105

TP support



Type	Length		F in kN	Pack.	Weight	Item No.
	mm	kN				
TPS/445	445	1.05	15	73.000	6364 32 2	
TPS/545	545	0.8				
TPS/645	645	0.61				
					ST / FT	
TPS/445	445	1.05	15	63.000	6364 40 3	
TPS/545	545	0.8				
TPS/645	645	0.61				
					ST / FT	
					V2A	
TPS/445	445	1.05	1	0.000	6364 84 8	
TPS/545	545	0.8	1	0.000	6364 85 0	
TPS/645	645	0.61	1	99.000	6364 85 2	

Price /pc.



TP support for fastening to horizontal concrete ceilings.

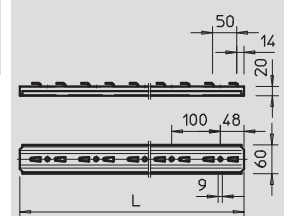
If the profile is fastened directly to the ceiling or the profile is screwed together as head reinforcement, then, for reasons of stability, always use the spacer, type DS 4. Important: only use brackets of length 345 mm or less.

TP profile



Type	Length		Pack.	Weight	Item No.
	mm				
TPSG/150	150		20	20.000	6366 53 3
TPSG/200	200		20	26.500	6366 53 6
TPSG/250	250		20	33.000	6366 53 9
TPSG/300	300		30	39.500	6366 54 2
TPSG/400	400		30	52.500	6366 54 5
TPSG/500	500		20	65.500	6366 54 8
TPSG/600	600		20	78.500	6366 55 1
TPSG/700	700		10	91.400	6366 55 4
TPSG/3000	3,000		1	401.700	6366 09 0

Price /pc.



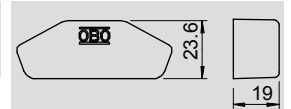
TP profile with clamping lugs.

End cap



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/% pc	PE
TPS KS	Sulphur yellow	10	0.700	6364 62 4

Price /pc.



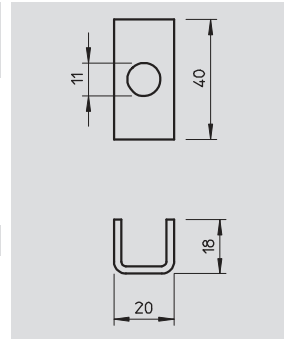
End cap to cover ends of TP supports.

Spacer



Type	Pack.	Weight	Item No.
	pcs	kg/% pc	ST / FS
DS 4	20	3.700	6416 55 1
			ST / FT
DS 4	20	3.800	6416 58 6
			V2A
DS 4	20	3.700	6416 59 4

Price /pc.



Spacer for use in profiles, type TP.

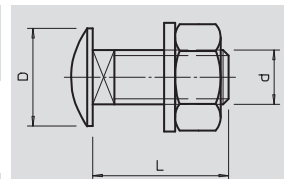
For static reasons, the spacer is always used to prevent the profile from deforming when the fastening screws are tightened.

Truss-head screw



Type	Grade	Dimen- sion	Dimen- sion L	Dimen- sion d	Dimen- sion D	Pack.	Weight	Item No.
		mm	mm	mm	mm	pcs	kg/% pc	ST / F
FRS 10x25	5.6	M10 x 25	25	10	18	50	4.300	6407 53 6
								V2A
FRS 10x25	5.6	M10x25	25	10	18	50	4.000	6407 53 7

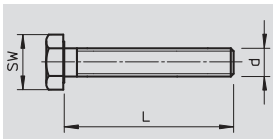
Price /% pc.



Truss-head screw with square neck. With washer and hexagonal nut.

Mesh cable tray accessories 35, 55, 105

Hexagon head screw

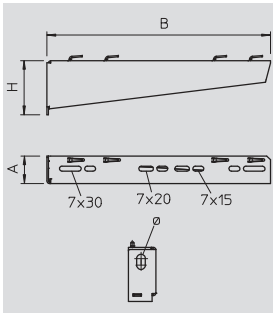


Type	Dimension	Dimension L	Dimension d	SW	Pack.	Weight	Item No.	Price
	mm	mm	mm	mm	pcs	kg/% pc	ST / F	/% pc.
<b>SKS 10x60</b>	M10 x 60	60	10	17	20	6.000	<b>6408 51 6</b>	
							V2A	
<b>SKS 10x60</b>	M10 x 60	60	10	17	20	6.000	<b>6408 51 7</b>	

Hexagon head screw for universal fixing of structure components.



Wall and support bracket MWAG 12



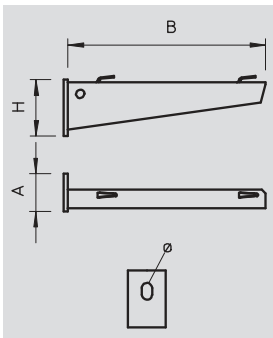
Type	Width	Dimension H	Dimension A	Hole-Ø	F in kN	Pack.	Weight	Item No.	Price
	mm	mm	mm	mm	kN	pcs	kg/% pc	ST / FS	/% pc.
<b>MWAG 12/11</b>	110	53	32.5	11	1.2	30	12.700	<b>6424 60 0</b>	
<b>MWAG 12/21</b>	210	65	32.5	11	1.2	30	24.400	<b>6424 60 8</b>	
<b>MWAG 12/31</b>	310	75	38	11	1.2	30	50.300	<b>6424 61 6</b>	
<b>MWAG 12/41</b>	410	83	38	11	1.2	25	68.100	<b>6424 62 4</b>	

Folded light duty wall and support bracket for screwless mesh cable tray fastening.

Including truss-head bolt M10 x 25 for fastening to U supports.

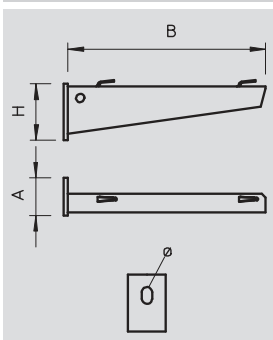


Wall and support bracket AWG 15



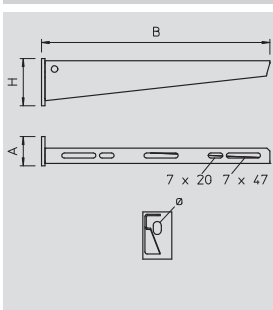
Type	Width	Dimension H	Dimension A	Hole-Ø	F in kN	Pack.	Weight	Item No.	Price
	mm	mm	mm	mm	kN	pcs	kg/% pc	ST / FT	/% pc.
<b>AW G 15/11</b>	110	50	40	11	1.5	30	14.000	<b>6420 60 6</b>	
<b>AW G 15/16</b>	160	55	40	11	1.5	30	20.000	<b>6420 60 7</b>	
<b>AW G 15/21</b>	210	60	40	11	1.5	30	26.000	<b>6420 60 8</b>	
<b>AW G 15/31</b>	310	65	40	11	1.5	30	35.000	<b>6420 61 0</b>	
<b>AW G 15/41</b>	410	70	40	11	1.5	30	56.000	<b>6420 61 2</b>	
<b>AW G 15/51</b>	510	75	40	11	1.5	20	69.000	<b>6420 61 4</b>	
<b>AW G 15/61</b>	610	80	40	11	1.5	20	84.000	<b>6420 61 6</b>	

Light duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.



Type	Width	Dimension H	Dimension A	Hole-Ø	F in kN	Pack.	Weight	Item No.	Price
	mm	mm	mm	mm	kN	pcs	kg/% pc	V2A	/% pc.
<b>AW G 15/11</b>	110	50	40	11	1.5	30	13.000	<b>6420 62 5</b>	
<b>AW G 15/21</b>	210	60	40	11	1.5	30	25.000	<b>6420 62 8</b>	
<b>AW G 15/31</b>	310	65	40	11	1.5	30	33.000	<b>6420 63 1</b>	
<b>AW G 15/41</b>	410	70	40	11	1.5	30	53.000	<b>6420 63 4</b>	
<b>AW G 15/51</b>	510	75	40	11	1.5	20	65.000	<b>6420 63 7</b>	
<b>AW G 15/61</b>	610	80	40	11	1.5	20	80.000	<b>6420 64 0</b>	

Light duty wall and support bracket with welded head plate for screwless mesh cable tray fastening.



Type	Width	Dimension H	Dimension A	Hole-Ø	F in kN	Pack.	Weight	Item No.	Price
	mm	mm	mm	mm	kN	pcs	kg/% pc	V4A	/% pc.
<b>AW 15/11</b>	110	50	40	11	1.5	30	14.100	<b>6392 00 8</b>	
<b>AW 15/21</b>	210	60	40	11	1.5	30	25.600	<b>6392 01 6</b>	
<b>AW 15/31</b>	310	65	40	11	1.5	30	35.200	<b>6392 02 4</b>	
<b>AW 15/41</b>	410	70	40	11	1.5	30	55.000	<b>6392 03 2</b>	
<b>AW 15/51</b>	510	75	40	11	1.5	20	68.000	<b>6392 04 0</b>	
<b>AW 15/61</b>	610	80	40	11	1.5	20	85.000	<b>6392 05 9</b>	

Light duty wall and support bracket with welded head plate.



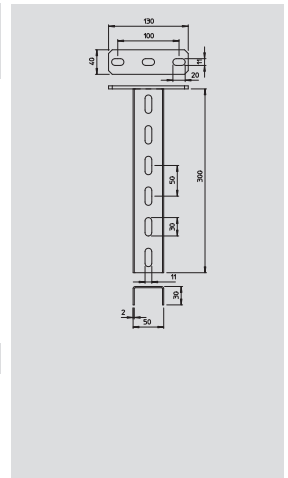
Mesh cable tray accessories 35, 55, 105

US 3 support



Type	Length mm	Material thickness mm	Tensile load kN	Bracket length 200 kN	Bracket length 400 kN	Pack. pcs	Weight kg/% pc	Item No. ST / FT
US 3 K/20	200	2	5	2.70	1.50	1	50.500	6342 35 1
US 3 K/30	300	2	5	2.70	1.50	1	64.400	6342 35 3
US 3 K/40	400	2	5	2.70	1.50	4	78.300	6342 35 5
US 3 K/50	500	2	5	2.70	1.50	1	92.300	6342 35 7
US 3 K/60	600	2	5	2.10	1.10	1	106.200	6342 35 9
US 3 K/70	700	2	5	2.10	1.10	1	120.200	6342 36 2
US 3 K/80	800	2	5	2.10	1.10	1	134.100	6342 36 4
US 3 K/90	900	2	5	2.10	1.10	1	147.800	6342 36 6
US 3 K/100	1,000	2	5	2.10	1.10	1	162.000	6342 36 8
US 3 K/110	1,100	2	5	2.10	1.10	1	175.900	6342 37 0
US 3 K/120	1,200	2	5	2.10	1.10	1	189.900	6342 37 2

Price /pc.



U support with welded head plate.

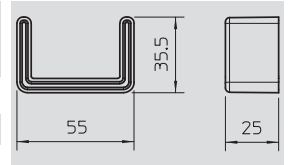
For fastening to horizontal concrete ceilings and steel girders. In the case of bracket mounting on both sides, or when mounting the bracket at the end of the support, use the spacer of type DSK 25.

End cap



Type	Colour	Pack. pcs	Weight kg/% pc	Item No. PE
US 3 KS	Sulphur yellow	20	1.070	6338 45 7

Price /pc.



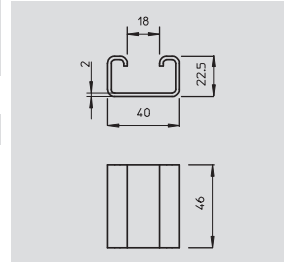
End cap to cover the ends of US 3 supports.

Spacer



Type	Pack. pcs	Weight kg/% pc	Item No. ST / FT
DSK 25	25	7.500	6416 44 6

Price /pc.



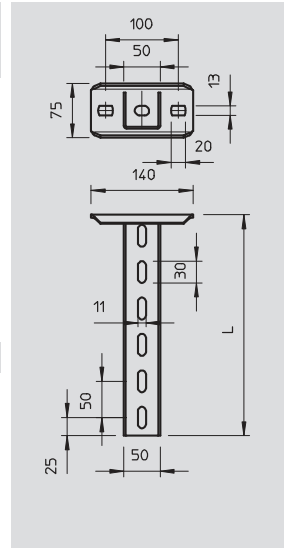
Spacer for use in U 3 supports.

US 5 support



Type	Length mm	Material thickness mm	Tensile load kN	Bracket length 200 kN	Bracket length 400 kN	Pack. pcs	Weight kg/% pc	Item No. ST / FT
US 5 K/20	200	2.5	10	5.75	3.10	1	85.000	6341 52 7
US 5 K/30	300	2.5	10	5.75	3.10	2	110.000	6341 53 5
US 5 K/40	400	2.5	10	5.75	3.10	1	136.000	6341 54 3
US 5 K/50	500	2.5	10	5.75	3.10	1	161.000	6341 55 1
US 5 K/60	600	2.5	10	5.75	3.10	1	186.000	6341 57 8
US 5 K/70	700	2.5	10	5.75	3.10	1	211.000	6341 58 6
US 5 K/80	800	2.5	10	5.75	3.10	1	236.000	6341 59 4
US 5 K/90	900	2.5	10	5.75	3.10	1	262.000	6341 60 8
US 5 K/100	1,000	2.5	10	5.75	3.10	1	287.000	6341 61 6
US 5 K/110	1,100	2.5	10	4.00	2.20	1	311.000	6341 62 4
US 5 K/120	1,200	2.5	10	4.00	2.20	1	338.000	6341 63 2

Price /pc.

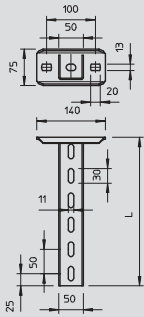


U support of dimensions 50 x 50 mm with welded head plate.

For fastening to horizontal concrete ceilings and steel girders. In the case of bracket mounting on both sides, or when mounting the bracket at the end of the support, use the spacer of type DSK 45.

Mesh cable tray accessories 35, 55, 105

US 5 support



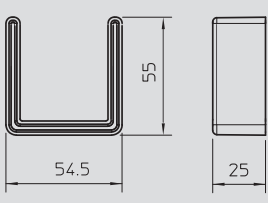
Type	Length mm	Material thickness mm	Bracket length 200 kN	Bracket length 400 kN	Pack. pcs	Weight kg/% pc	Item No. V2A	Price /pc.
US 5 K/20	200	2.5	5.75	3.10	1	82.000	6341 35 8	
US 5 K/30	300	2.5	5.75	3.10	2	106.000	6341 36 2	
US 5 K/40	400	2.5	5.75	3.10	1	131.000	6341 36 6	
US 5 K/50	500	2.5	5.75	3.10	1	155.000	6341 37 0	
US 5 K/60	600	2.5	5.75	3.10	1	180.000	6341 37 4	
US 5 K/70	700	2.5	5.75	3.10	1	205.000	6341 37 8	
US 5 K/80	800	2.5	5.75	3.10	1	230.000	6341 38 2	
US 5 K/90	900	2.5	5.75	3.10	1	255.000	6341 38 6	
US 5 K/100	1,000	2.5	5.75	3.10	1	279.000	6341 39 0	
US 5 K/110	1,100	2.5	4.00	2.20	1	302.000	6341 39 4	
US 5 K/120	1,200	2.5	4.00	2.20	1	328.000	6341 39 8	
V4A								
US 5 K/20	200	2.5	5.75	3.10	1	82.000	6341 20 9	
US 5 K/30	300	2.5	5.75	3.10	2	106.000	6341 21 3	
US 5 K/40	400	2.5	5.75	3.10	1	131.000	6341 21 7	
US 5 K/50	500	2.5	5.75	3.10	1	155.000	6341 22 1	
US 5 K/60	600	2.5	5.75	3.10	1	180.000	6341 22 5	
US 5 K/70	700	2.5	5.75	3.10	1	205.000	6341 22 8	
US 5 K/80	800	2.5	5.75	3.10	1	230.000	6341 23 3	
US 5 K/90	900	2.5	5.75	3.10	1	255.000	6341 23 7	
US 5 K/100	1,000	2.5	5.75	3.10	1	279.000	6341 24 1	
US 5 K/110	1,100	2.5	4.00	2.20	1	302.000	6341 24 5	
US 5 K/120	1,200	2.5	4.00	2.20	1	328.000	6341 24 9	

U support with welded head plate.  
For fastening to horizontal concrete ceilings and steel girders.

In the case of bracket installation on both sides, or when installing the bracket at the end of the support, use the spacer of type DSK 45.



End cap

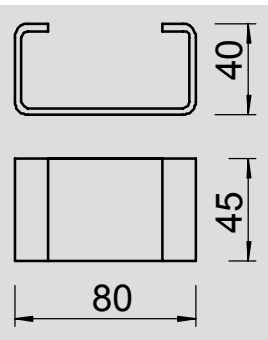


Type	Colour	Pack. pcs	Weight kg/% pc	Item No. PE	Price /pc.
US 5 KS	Sulphur yellow	20	1.300	6338 46 1	

End cap for end covering of US 5 supports.



Spacer



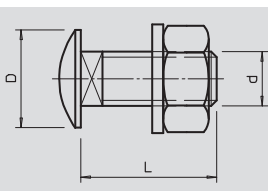
Type	Pack. pcs	Weight kg/% pc	Item No. ST / FT	Price /pc.
DSK 45	25	19.000	6416 50 0	
DSK 45	25	15.000	6416 48 9	
DSK 45	25	15.000	6416 46 2	

Spacer for use in U 5 support and in the head plate, type KU 7 VQP.

For static reasons, the spacer is always used to increase stability to prevent the support from deforming when the bracket is tightened with the all-round hexagon head screw.

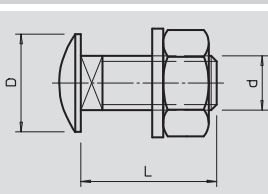
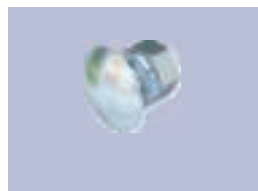


Truss-head screw



Type	Grade	Dimen- sion mm	Dimen- sion L mm	Dimen- sion d mm	Dimen- sion D mm	Pack. pcs	Weight kg/% pc	Item No. ST / F	Price /pc.
FRS 10x25	8.8	M10 x 25	25	10	24	50	4.500	6407 56 0	

Truss-head screw with square neck. With washer and hexagonal nut.



Type	Dimen- sion mm	Dimen- sion L mm	Dimen- sion d mm	Dimen- sion D mm	Pack. pcs	Weight kg/% pc	Item No. V2A	Price /pc.
FRS 10x25	M10 x 25	25	10	24	50	4.500	6406 71 8	

Truss-head screw with square neck including washer and hexagonal nut.



**Conducting electricity.  
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Controlling energy.**

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- Flush-mounting and hollow wall systems
- Terminal systems
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- Cable/pipe fastening systems, plastic
- Cable/pipe fastening systems, metal
- Cable/pipe fastening systems, special
- Pipe systems
- Beam clamp systems
- Rail systems
- BBS U-clamp systems
- Screw-in and knock-in systems

**TBS transient and lightning protection systems**

- Surge protection systems
- Equipotential bonding systems
- Lightning protection systems
- Earthing systems

**KTS cable support systems**

- Mounting systems
- Cable tray systems
- Mesh cable tray systems
- Cable ladder systems
- Wide span systems
- Vertical ladder systems
- Luminaire support systems
- Modular systems
- Stainless steel systems
- Function maintenance systems and escape route installation systems

**BSS fire protection systems**

- Fire insulation systems
- Escape route installation systems
- Fire protection duct systems
- Function maintenance systems

**LFS cable routing systems**

- Cable routing systems, plastic
- Cable routing systems, metal
- Skirting trunking systems
- Wiring trunking systems
- Device installation duct systems, plastic
- Device installation duct systems, steel
- Device installation duct systems, aluminium
- Power pole systems
- Device systems
- Fire protection duct systems

**EGS device systems**

- Switch systems
- OBO B.U.S systems
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- Energy distribution systems
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- Data technology systems
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**UFS underfloor systems**

- Underfloor systems, screed-covered
- Underfloor systems, flushfloor open
- Underfloor systems, flushfloor closed
- Underfloor systems, in-concrete
- Onfloor systems
- Device installation systems
- Modul 45 systems and data technology
- Fire protection systems

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