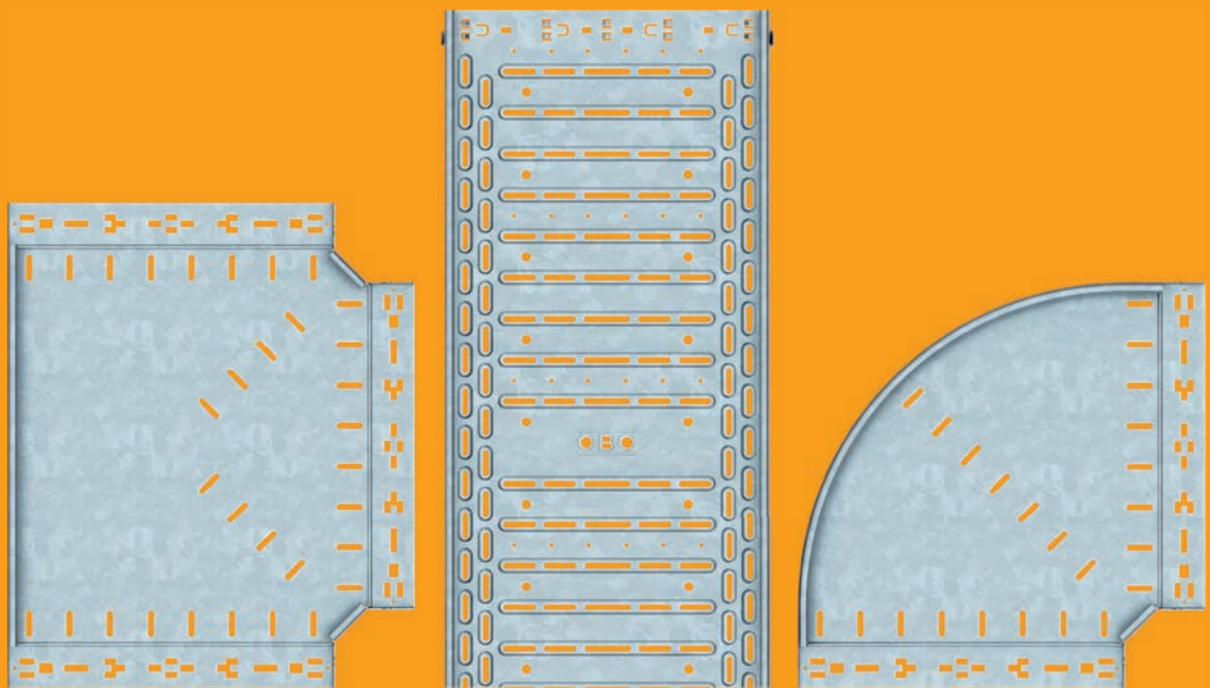




RKS-Magic®



CHALFANT

OBO Bettermann Group

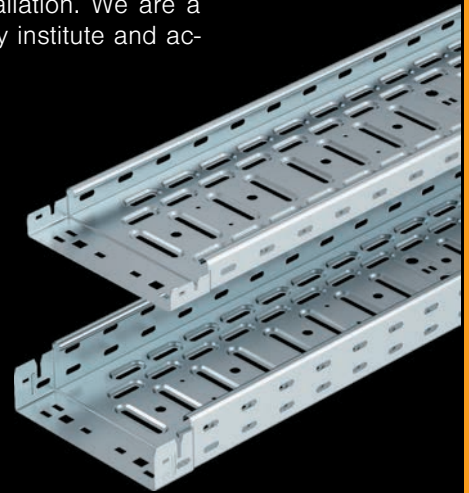
We are Chalfant.
We are OBO.
We are One.

chalfant-obo.com

Chalfant Manufacturing Company

Chalfant Manufacturing has more than seventy years of experience designing and producing quality cable tray and cable management systems right here in the USA. Our sales team works closely with all customers to provide quality solutions that meet the tightest deadlines. Chalfant is involved in numerous organizations that further the improvement of cable tray production and installation. We are a founding member of the cable tray institute and active member of NEMA and BICSI.

Our commitment to innovating cable tray and wire management systems is a tribute to our long-standing reputation as one of the industry leaders in quality and customer service.







OBO Bettermann Group

CHALFANT

OBO Bettermann Group

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	Screw and fastening systems	Page 50



Whether indoors or outdoors, in aggressive atmospheres or under special hygienic conditions: Chalfant can offer the perfect surface and materials for your cable support system, no matter what the requirements may be. Chalfant cable support systems are machined from high-quality sheet steel or steel wire and are available with various surfaces. Different hardening and coating methods ensure tailor-made corrosion protection, specially tailored to the appropriate application. In addition, Chalfant cable support systems are available in stainless steel in a variety of powder coated colors.

Indoor use

For applications in indoor areas, Chalfant can offer cable support systems with galvanization or strip galvanization. They are particularly suited to dry atmospheres without any impact from aggressive pollutants.

Strip galvanization

- ASTM A653 and EN 10346 compliant Hot-Dip galvanized per strip galvanizing method
- Average coating thickness approx. 20 microns
- Metal punching protected by cathodic corrosion up to 2.0mm thickness



Surfaces for outdoor use



Outdoor use

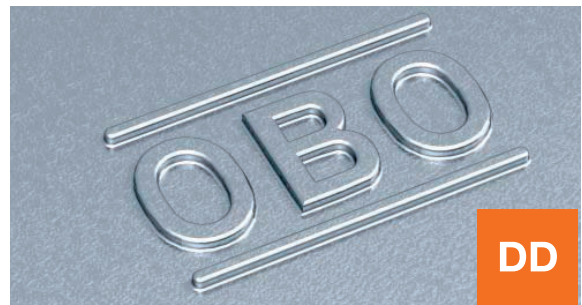
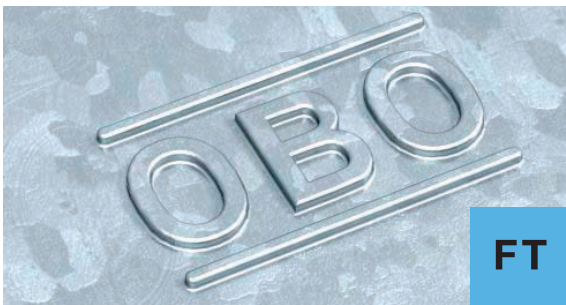
Chalfant can offer versions with hot-dip galvanization and double-dip galvanization for outdoor and wet-room use.

Hot-dip galvanization

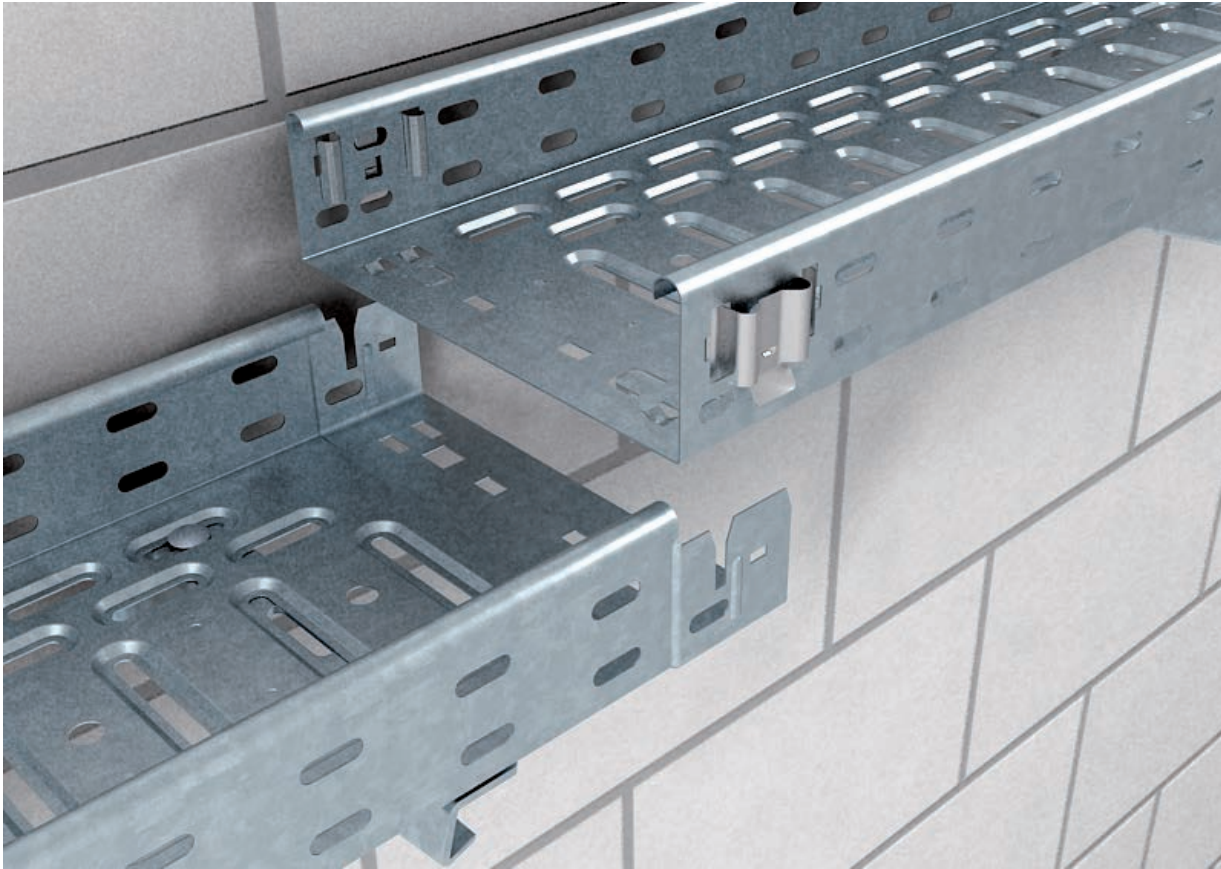
- ASTM A123 and EN ISO 1461 compliant
- Coating thickness approx. 40–60 microns
- Any cuts made on site must be cold galvanized to prevent corrosion

Double-dip galvanization

- Zinc-Aluminum coating ASTM A875 and EN 10346 compliant
- Average coating thickness approx. 23 microns
- Metal punching protected by cathodic corrosion up to 2.0mm thickness



System description, cable trough system RKSM



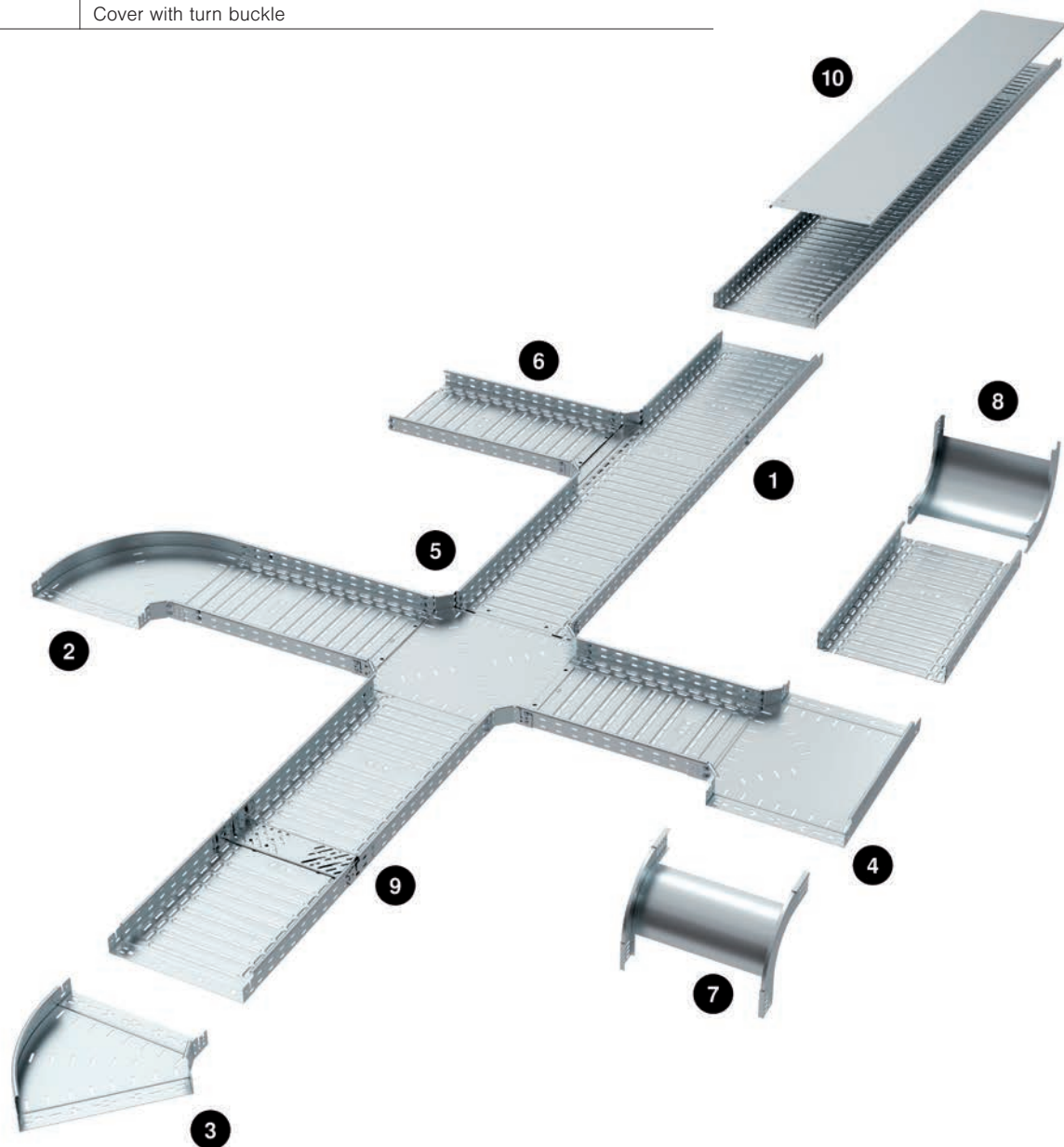
The RKS-Magic® cable trough system permits even faster straight connection of the cable trough. The innovative, screwless straight connector can be mounted in the blink of an eye. Just connect the ends of the cable trough, lock them in place - and you're done! The long-lasting, static straight connectors can be permanently stabilised by bending the connection flaps. The RKS-Magic® cable trough is available with the side heights 1" - 2". A comprehensive range of fittings with bends (45° and 90°), tees, add-on tees and cross-overs completes the system. 90° bends and adjustable vertical riser (rising/falling) are available for vertical changes of direction. When installing fittings, always plan additional supports.

Besides the various fittings, the system also includes all types of connectors (straight, angle and adjustable connectors) and additional accessories such as barrier strips, joint plates, mounting plates and covers. You can find detailed mounting examples and article descriptions on the following pages.

Installation principles, cable trough systems

System components

1	RKSM cable trough
2	90° Magic bend
3	45° Magic bend
4	Magic Tee
5	Magic cross-over
6	Magic add-on tee
7	90° vertical bend, falling
8	90° vertical bend, rising
9	Magic straight connector set
10	Cover with turn buckle



Variable bend

One component for all curve radii up to 90 degrees – with these new variable bends you are more flexible than ever.

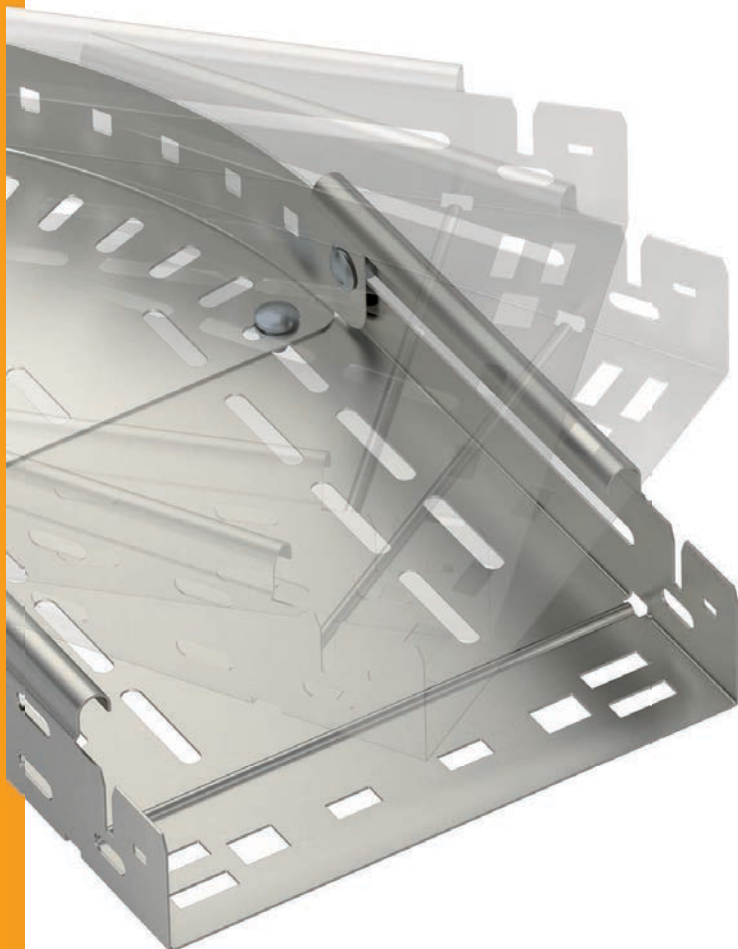
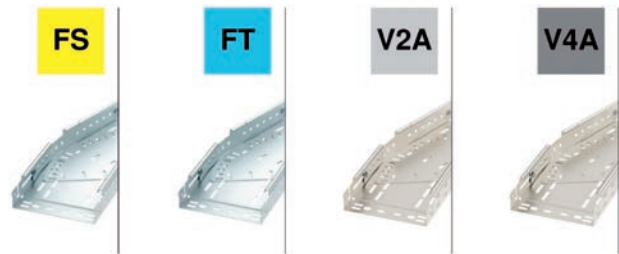


Latest innovation



Never before has it been so easy to route Chalfant cable troughs around corners and bends. Thanks to the new variable bend construction it can now be fanned out to different radii and then be fastened into the required position without having to cut it.

The new bend is universally available for all troughs in the Magic range, in the finishes strip-galvanized, hot-dip galvanized and stainless steel. Optionally, it can be closed with a matching cover.



**Variable for all radii
up to 90 degrees**

**Suitable for all Magic
cable trough systems**

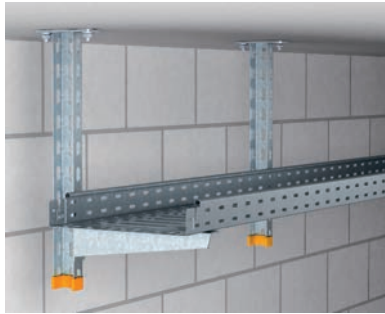
**Strip-galvanized, hot-dip
galvanized and stainless
steel finishes**

Mounting aid, cable trough system RKSM



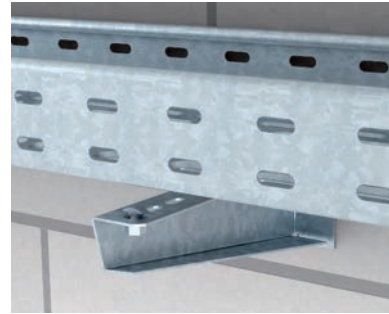
Center suspension application

Direct center suspension with threaded rod, type 2078/M10. This mounting variant is possible for RKS cable trough of width 2" to 8".



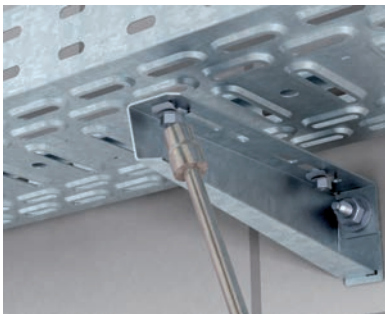
Ceiling mounting application, U support and bracket

Standard mounting of a cable trough with support, type US..., and suitable support bracket, type AW.



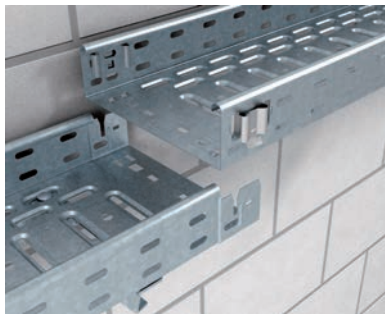
Wall mounting application with bracket

Standard cable trough mounting on the wall with wall and support brackets.



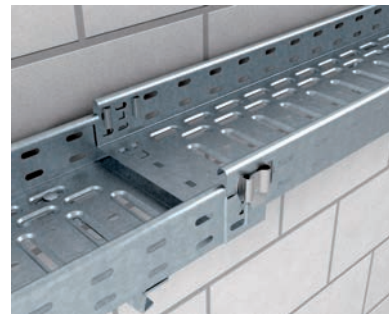
Integrated quick fastener for cable trough

The quick fastener is pushed upwards and turned by 90°. After locking, the quick fastener is secured permanently by tightening.



Straight connection, cable trough interconnection

The straight connection is created by simply connecting the cable trough. Please note the mounting direction.



Straight connection, cable trough

The next cable trough is inserted from above from the existing sleeve opening.



Straight connection, cable trough

The optimum straight connection is confirmed by an audible click. Then use a screwdriver, to turn over the connection lugs in the bottom – and you're done!



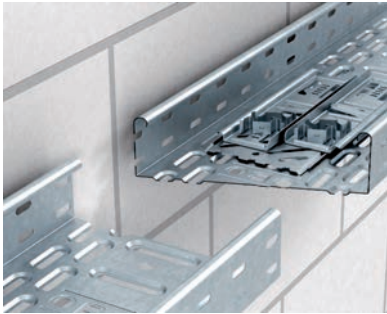
Straight connection, cable trough

It is possible to turn over the connection flap in the bottom of the cable trough using a normal screwdriver.



Releasing the connection

Of course the connection can be loosened again. To do this, simply push a screwdriver under the spring element. This releases the lock function.



Magic KTSMV straight connector set

Cable trough connector set with quick fastening for straight, screwless connection of cable troughs and fittings. The optimised design means that the connector can be used to create radii and as an expansion piece for large temperature deviations.



Mounting of Magic KTSMV straight connector set

The straight connector set Magic KTSMV is used for cut ends. Simply clamp the two side sections in the side rail and push the corresponding joint plate down until it has locked in place - and you're done.



Mounting of Magic KTSMV straight connector set

To strengthen the connection, we recommend screwing on the joint plate for widths of more than 16".



Floor mounting

Floor mounting at a distance with stand-off bracket, type DBL.



Horizontal angle connection

Horizontal angle connection of cable trough using brackets created during construction and cut cable trough ends.



Vertical adjustable connection of cable trough

Vertical adjustable connection of cable trough for construction-side height jumps of any angle.



Reducer and Endplates

Illustration of a width change through the installation of the reducer. This component also allows the implementation of an end closure of cable trough.



Mounting of Magic bend

Mounting of fittings by simple interconnection. For this, the cable trough with the spring side is locked into the fitting connection from above.



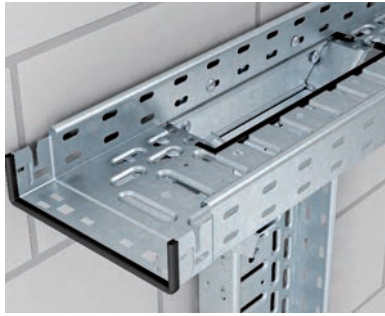
Mounting of Magic mounting/branch piece

Mounting of fittings by simple interconnection. For this, the cable trough with the spring side is locked into the fitting connection from above.



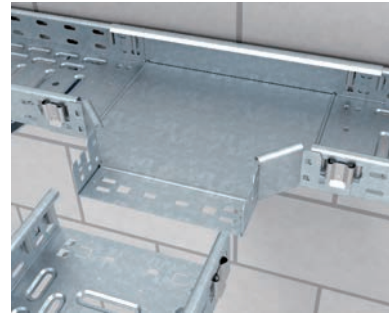
Mounting of Magic vertical mounting/branch piece (bottom view)

Vertical mounting of the add-on tee. Perforation in the cable trough is created on site. For widths > 16", please order connectors separately.



Mounting of Magic vertical mounting/branch piece (top view)

Vertical mounting of the add-on tee. Perforation in the cable trough is created on site. For widths > 16", please order connectors separately.



Mounting of Magic T branch piece

Mounting of fittings by simple interconnection. For this, the cable trough with the spring side is locked into the fitting connection from above.



Mounting of Magic intersection

Mounting of fittings by simple interconnection. For this, the cable trough with the spring side is locked into the fitting connection from above.



90° bend (rising/falling)

The 90° vertical bend is pushed over the rail of the cable trough and bolted with truss-head bolts, FRSB M6x12. The cover is placed on loosely and fastened using the incoming cable trough lid. The cover clamp DKU can be used for additional fastening.



Installation of rising adjustable vertical bend

Adjustable vertical bend to bridge height offsets or when changing from horizontal to vertical. The adjustable vertical bend is fastened to the cable trough directly using the adjustable connectors.



Installation of falling adjustable vertical bend

Installation of the adjustable vertical bend, falling, to bridge height differences and changes from the horizontal to the vertical.



Installation of bottom end plate

The bottom end plate is fastened to the end of the cable trough. It is used to protect outgoing cables.



Mounting plate with quick fastening

Fastening of the mounting plate, type MP, on the side rail of the cable trough. The mounting plate can be fastened to the rail with quick connectors, and permanently fastened using truss-head bolts of type FRSB 6x12.



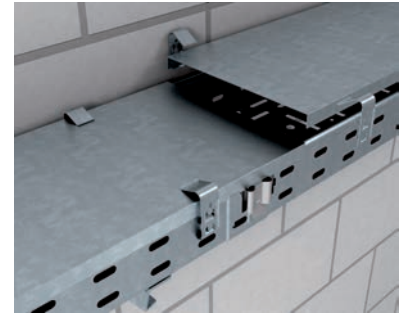
Universal mounting plate

The MP UNI mounting plate is fastened on the side rail of the cable trough using a truss-head bolt.



Installation of cover with turn-buckle.

Cover with turn-buckles are fastened by turning the turn-buckle by 90°. The lock secures under the rolled side rail of the cable trough.



Screwless cover fastening with cover clamp

Screwless cover mounting takes place with covers and the cover clamps, type DKU. The cover clamp is simply fixed in the perforation of the cable trough.



Installation of cover for fitting

The fitting cover is installed using turn-buckles. To fit, turn the turn-buckle 90°.



Edge protection strip for plate ends

The edge protection strip can be used to cover the edges of plates. When selecting the strip, please take the appropriate plate thickness into account.



Screwless barrier strip mounting

Screwless mounting of the barrier strip TSG ... with clamping piece KS KR. The barrier strip can be run over the joint without machining and can be connected without bolts using the TSGV barrier strip connector.



Screwed barrier strip mounting

Screwed barrier strip fastening of the barrier strip, TSG 60, with truss-head bolts M6x12. The barrier strip can simply be run over the joint and connected without bolts using the barrier strip connector TSGV.

System description, universal systems



The universal systems are used for small loads. Whether the installation is to be a ceiling fastened, wall fastened or as a floor stand-off: in the Universal systems, you can find functional fittings with matching system accessories for any application.

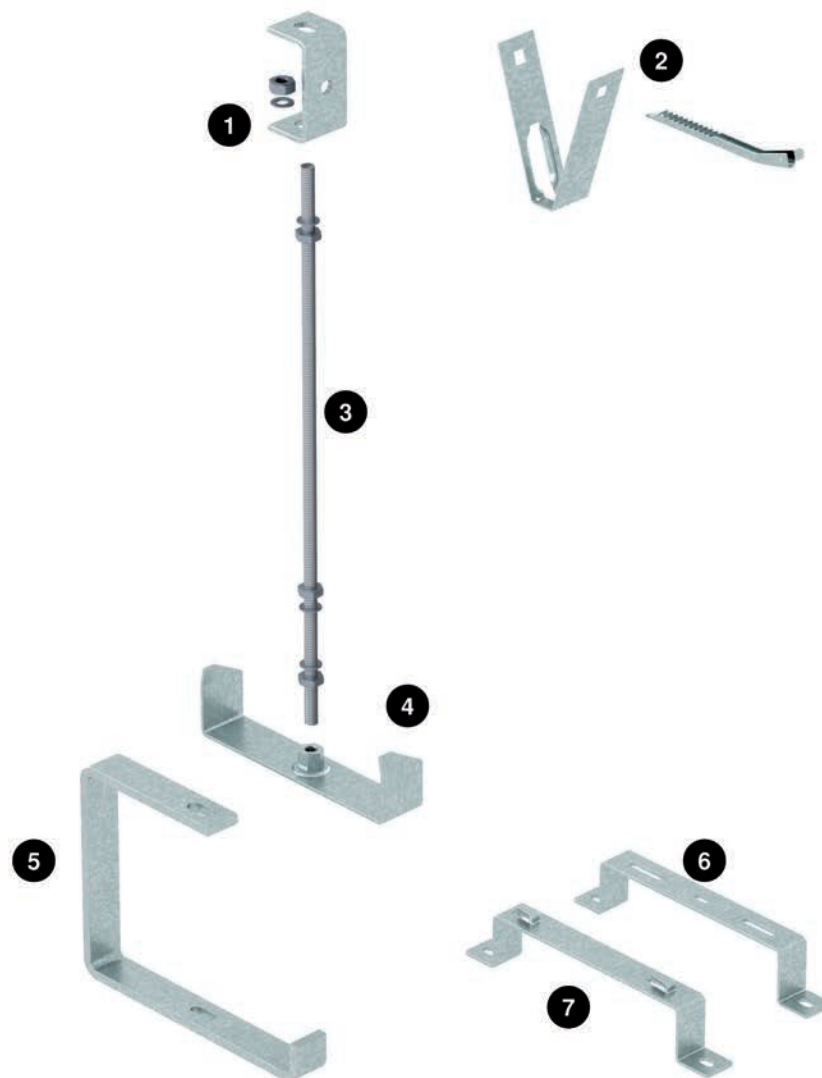
These suspension systems, which can be called basic installations, include center hung ceiling clamps or trapezoidal fastenings, which are used with threaded rods and center suspensions. When using central suspensions, the load should be even on both sides of the system. If an even load cannot be guaranteed, then alternative systems should be used.

On the following pages, you can select your preferred mounting style from the installation diagrams shown.

Installation principles, universal systems

System components

1	Ceiling bracket
2	Ceiling bracket, trapezoidal
3	Threaded rod
4	Central suspension
5	Ceiling bracket
6	Stand-off bracket
7	Stand-off bracket



Mounting aid, universal systems



Installation of center suspension
Installation of the central suspension MAH 60 on the ceiling using threaded rod 2078/M10 and ceiling bracket 12050. Maximum cable trough width 12\".



Universal mounting on the ceiling
The variable ceiling bracket, type DBV, allows threaded rod suspensions on straight and sloping ceilings.



Center suspension with threaded rod
Direct center suspension at low loads of a cable trough with threaded rod 2078/M10.



Installation of central hanger MAH 35
Insertion and alignment of the central hanger, MAH 35, in the cable trough.



Installation of central suspension MAH 60
Insertion and alignment of the central suspension, MAH 60, in the cable trough.



Threaded rod suspension RKSM > 16"
The threaded rod suspension of RKSM cable trough > 16" can take place using two threaded rods.



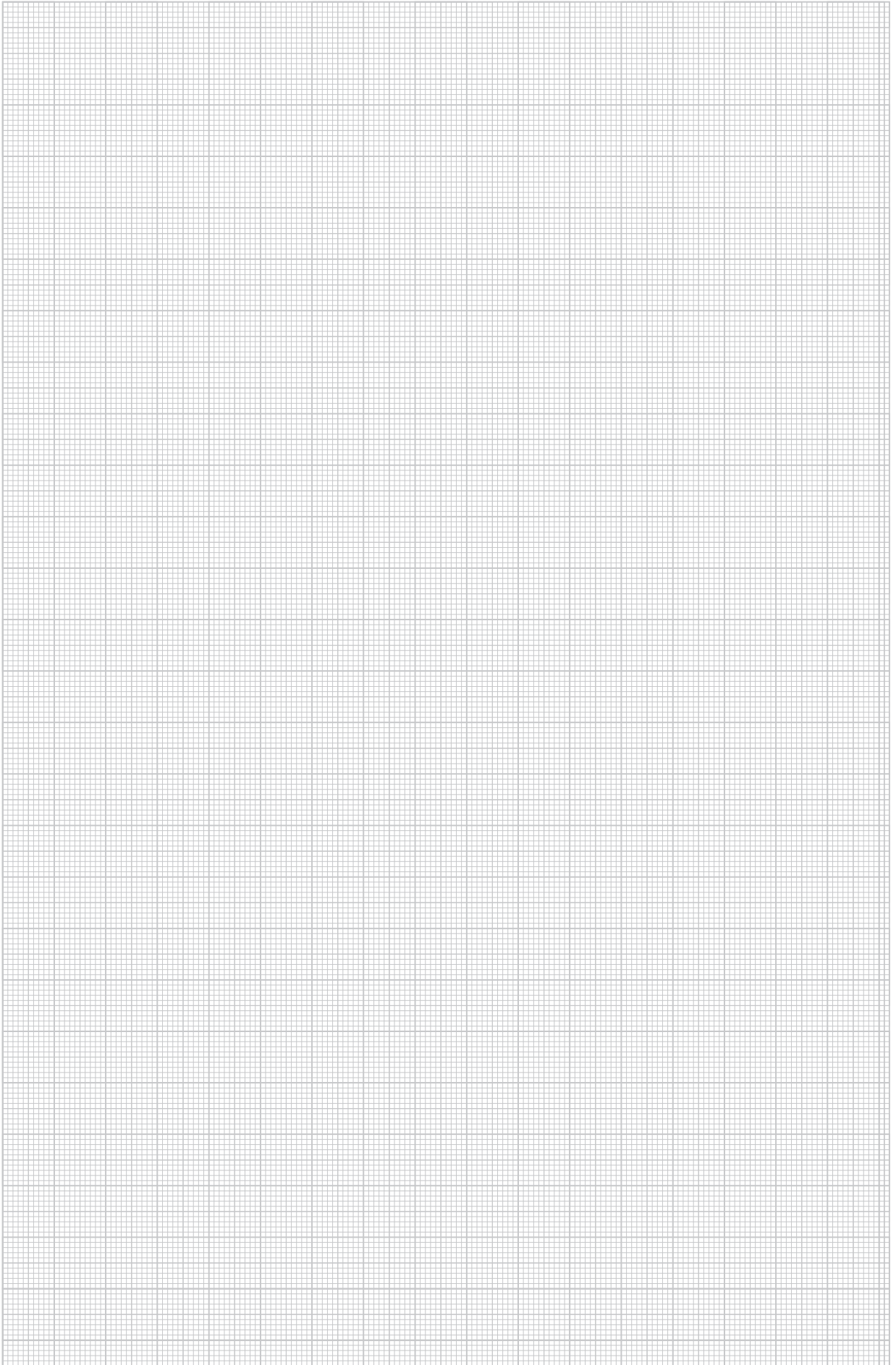
Trapezoidal plate application
Simple, quick fastening of a cable support system to trapezoidal metal roofs.



Installation of trapeze suspension
Installation of a cable trough on a trapezoidal ceiling using a ceiling bracket, type TPB 100 and central suspension, type MAH 60. Maximum cable trough width 12". The trapezoidal fastening is mounted using the lock, type TPB R.



Floor fastening at a distance
Installation of a cable trough at a distance using the stand-off bracket DBL. Maximum cable trough width 24\".



System description, U support and bracket systems



The perfectly matched U support family consists of US 3 (light-duty system), US 5 (medium-duty system) and US 7 (heavy-duty system). The U support range is particularly noted for its versatility. The U supports can be used as ceiling suspension, floor stand-off or as construction profiles.

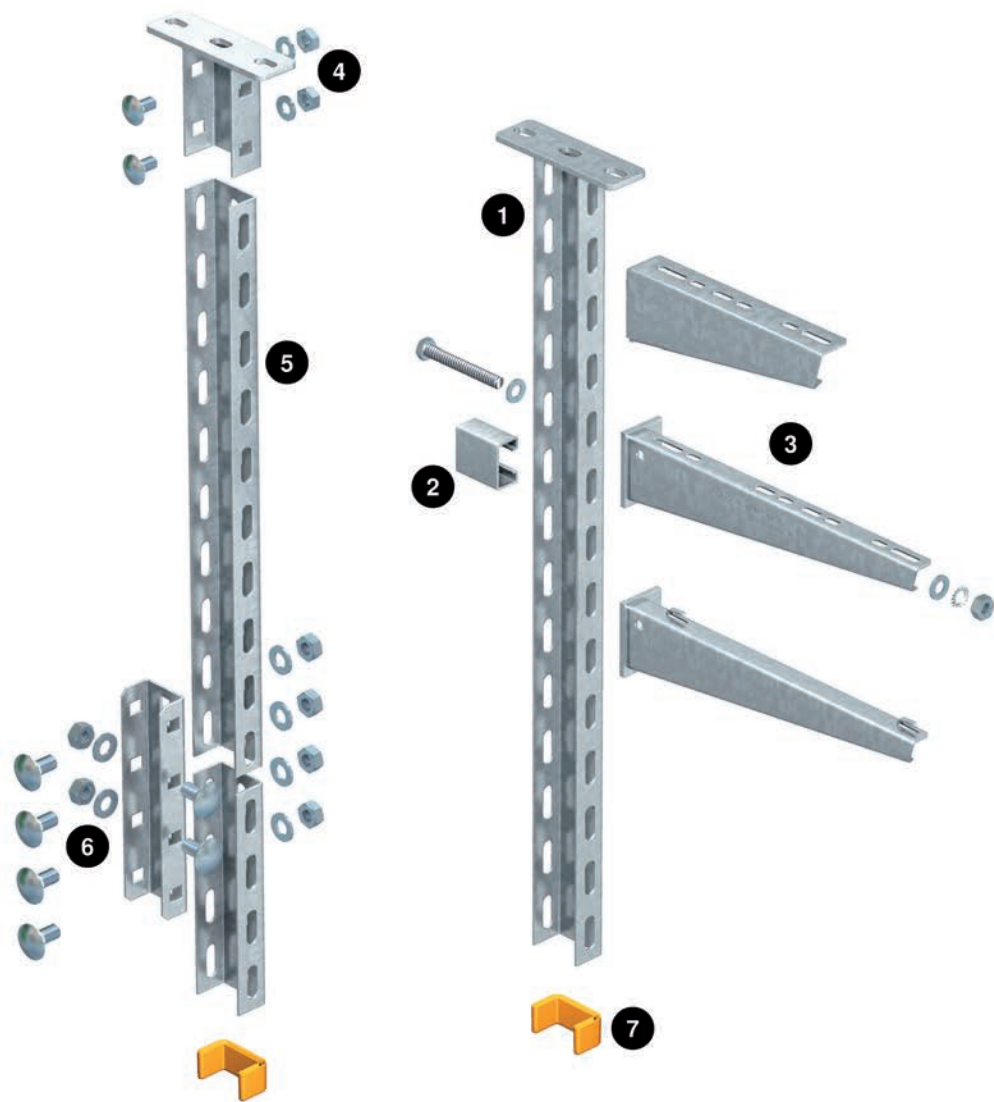
Besides the U support family and accessories, you can also find the wall and support brackets in this chapter. These can be fastened directly on the wall or on U supports. Classification takes place according to load capacity. The appropriate maximum load can be easily derived from the type of the different wall and support brackets MWA 12 (max. load 269.77 lbf), AW 15 (max. load 337.21 lbf), AW 30 (max. load 674.43 lbf) and AW 55 (max. load 1236.45 lbf).

On the following pages, you can select your preferred mounting variant from the installation diagrams shown and combine the corresponding articles in the order section. You can find a comprehensive article description and additional information for the articles, such as load and anchor diagrams, these can help you when selecting the system.

Installation principles, U support US 3

System components

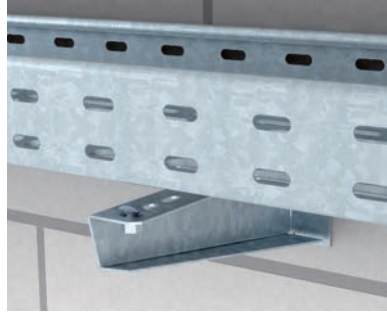
1	US 3 support
2	Spacer
3	Wall and support brackets
4	Head plate
5	US 3 support
6	U support connector
7	End cap



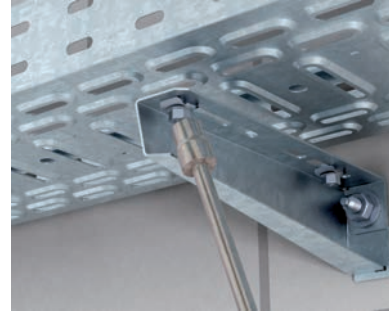
Mounting aid, U support and bracket systems



Wall mounting application
Direct fixing of wall and support brackets of type AW... on the wall.



Quick fastening of cable trough on bracket
Positioning the cable trough on the bracket.



Quick fastening of trough on bracket
Fixing of the cable trough on the bracket using quick connector.



Wall bracket, variable
Fastening of the variable wall bracket, type AWW, with anchor bolt to vaulted or sloping walls/ceilings.



Standard mounting of suspended support with wall bracket, single-sided without spacer
Cover fixing of a suspended support with single-sided bracket fixing. No spacer is required for widths up to and including 12".



Standard mounting of support with wall and support bracket, single-sided with spacer
Cover fixing of a suspended support with single-sided bracket fixing. For widths of over 16", we recommend using a spacer.



Standard mounting of support with wall and support bracket, double-sided
Cover fixing of a suspended support with double-sided bracket mounting.



Ceiling mounting
Standard mounting of U supports US 3 K, US 5 K and US 7 K on the ceiling with fastening of the wall and support brackets.



Head plate mounting
Mounting of the standard head plate to the support and ceiling. Use with spacer DSK 25 (US 3), DSK 45 (US 5) or DSK 61 (US 7).



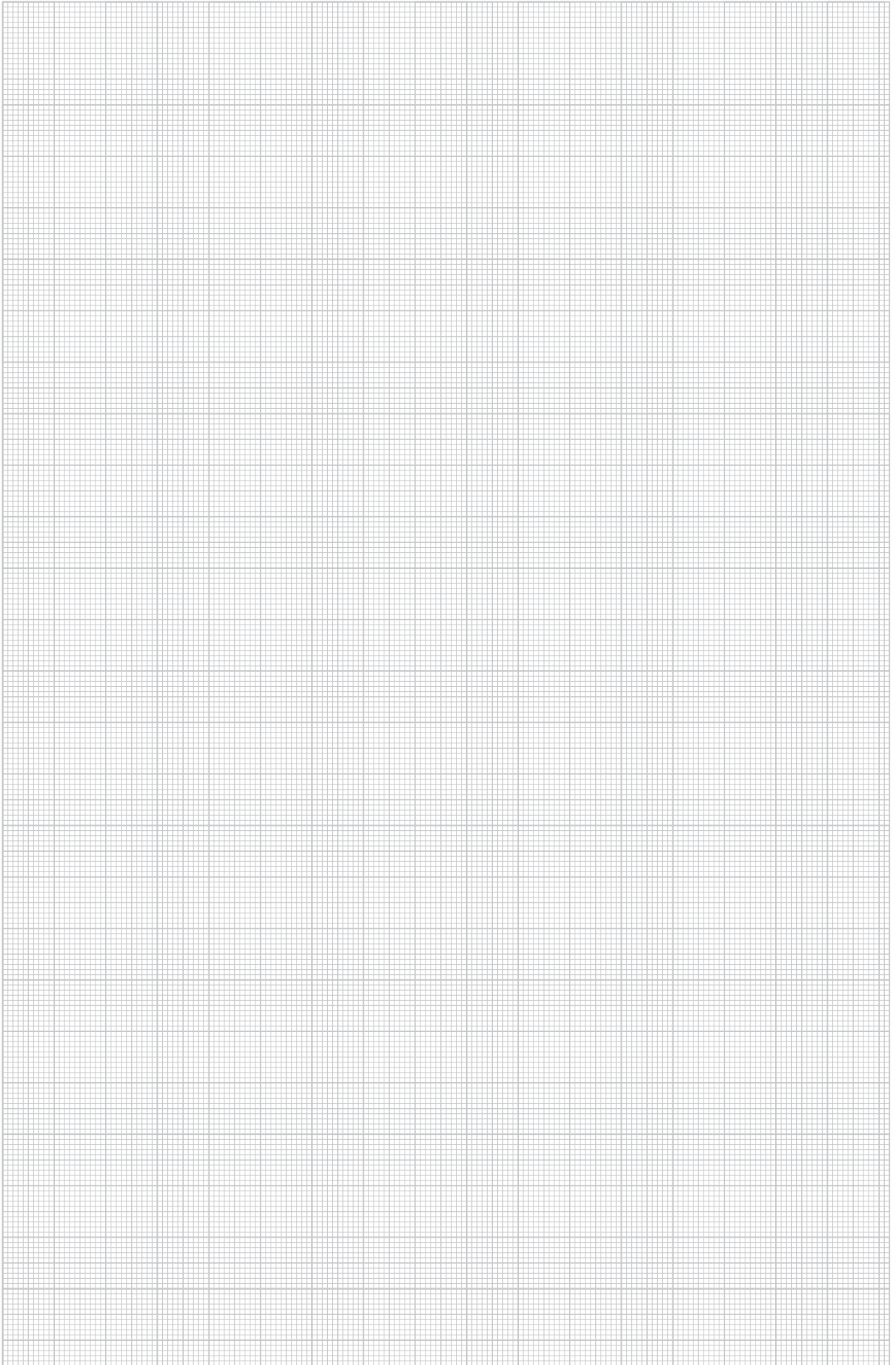
Adapter head plate, asymmetrical
Asymmetrical head plate KA-ASY to increase the load capacity for the combination with suspended supports, type US 7 K and IS 8 K.



Adapter head plate, symmetrical
Symmetrical head plate KA-SY to increase the load capacity with supports, types US 7 K and IS 8 K.



Traverse
Installation of U suspended supports US 3 K, US 5 K and US 7 K under the ceiling using anchor bolts and use as a trapeze, consisting of U profile US 3, US 5 or US 7.



Magic

Self-connecting cable trough RKS-Magic®

Patented connection

Equipotential bonding
achieved with no
additional
components

Integrated
locking system
accessory





WORLD RECORD

1 installer
- 334 cable trough lengths
- 672 clicks = 3280 ft
installed in just 48 min and 41 sec.

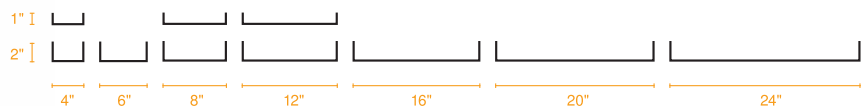
Fire tested **E30** **E90**

UL-tested
Cable trough
system



"click"

Complete Product Range



FS

FT

V2A

V4A



Height 1"

Cable trough RKS-Magic®



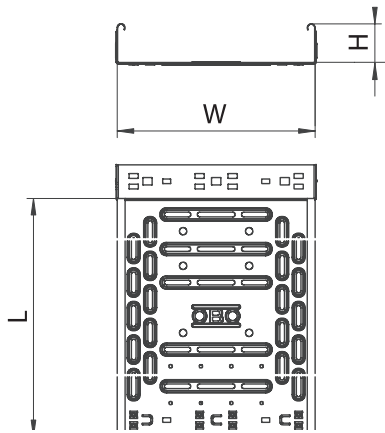
Type	Height (H) inch	Width (W) inch	Length (L) feet	Weight lbs/100 ft	Item No.
RKSM 310 FS	1	4	10	70.50	6047417
RKSM 320 FS	1	6	10	100.69	6047433
RKSM 330 FS	1	8	10	141.01	6047460

- St** Steel
- FS** Strip-galvanized

Cable trough with quick connection system, including all the relevant connection components for time-saving and economic installation. The spring element FED 60 can be ordered separately as an accessory part (spare) for the cable trough RKS Magic with a side height of 1" article number 6068859.

Load rating according to IEC 61537

Dimensions

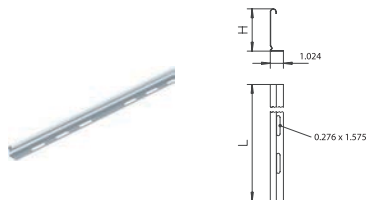


Type	Height (H) inch	Height (H) mm	Width (W) inch	Width (W) mm	Length (L) feet	Length (L) mm	Gauge (t) inch	Gauge (t) mm
RKSM 310 FS	1	35	4	100	10	3050	0.03	0.75
RKSM 320 FS	1	35	6	200	10	3050	0.03	0.75
RKSM 330 FS	1	35	8	300	10	3050	0.03	0.75

Load

Type	1.5 m kN/m	1.75 m kN/m	2.0 m kN/m	2.25 m kN/m
RKSM 310 FS	0.75	0.5	0.35	0.3
RKSM 320 FS	0.75	0.5	0.35	0.3
RKSM 330 FS	0.75	0.5	0.35	0.3

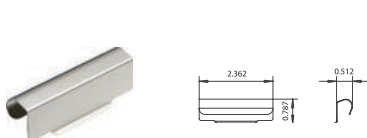
Barrier strip



Type	Height (H) inch	Length (L) feet	Weight lbs/100 ft	Item No.
TSG 30 FS	1	10	25.53	6062050

- St** Steel
- FS** Strip-galvanized

Barrier strip connector



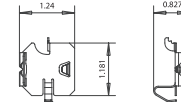
Type	Pack. pcs	Weight lbs/100 pcs	Item No.
TSGV VA4310	10	2.20	6067970

V2A Stainless steel, grade 301

Hold-down clamp for barrier strip fastening in RKSM

Type	Pack. pcs	Weight lbs/100 pcs	Item No.
KS KR VA4310	30	1.28	6062280

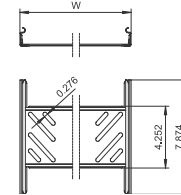
V2A Stainless steel, grade 301



Magic straight connector set

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
KTSMV 310 FS	1	4	1	50.04	6068900
KTSMV 320 FS	1	8	1	64.82	6068902
KTSMV 330 FS	1	12	1	79.59	6068904

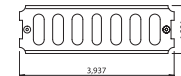
St Steel
FS Strip-galvanized



Straight connector

Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
RLVK 35 FS	1	10	11.24	6067085

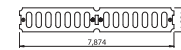
St Steel
FS Strip-galvanized



Straight and angle connector

Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
RWVL 35 FS	1	10	23.15	6067107

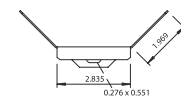
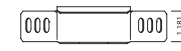
St Steel
FS Strip-galvanized



Straight and angle connector

Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
WKV 35 FS	1	5	14.99	6043038

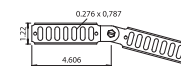
St Steel
FS Strip-galvanized



Adjustable connector

Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
RGV 35 FS	1	10	24.25	7082002

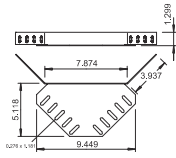
St Steel
FS Strip-galvanized





Height 1"

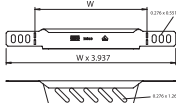
Corner connector



Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
REV 35 FS	1	10	85.98	6067956

St Steel
FS Strip-galvanized

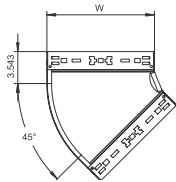
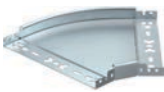
Reducer / end plate



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RWEB 310 FS	1	4	1	16.31	7108109
RWEB 320 FS	1	8	1	27.12	7108206
RWEB 330 FS	1	12	1	40.34	7108311

St Steel
FS Strip-galvanized

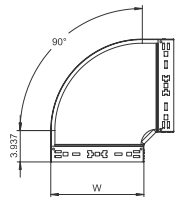
45° Magic bend



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBM 45 310 FS	1	4	1	89.95	6041000
RBM 45 320 FS	1	8	1	164.24	6041002
RBM 45 330 FS	1	12	1	186.07	6041004

St Steel
FS Strip-galvanized

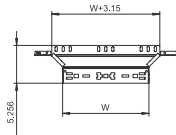
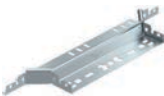
90° Magic bend



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBM 90 310 FS	1	4	1	118.39	6041010
RBM 90 320 FS	1	8	1	234.13	6041012
RBM 90 330 FS	1	12	1	381.40	6041014

St Steel
FS Strip-galvanized

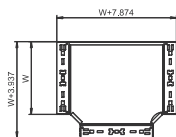
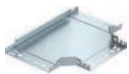
Magic add-on tee



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RAAM 310 FS	1	4	1	67.68	6041020
RAAM 320 FS	1	8	1	95.68	6041022
RAAM 330 FS	1	12	1	124.12	6041024

St Steel
FS Strip-galvanized

Magic tee



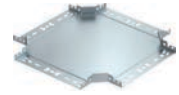
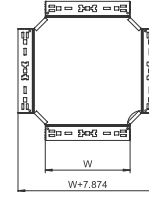
Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RTM 310 FS	1	4	1	153.00	6041030
RTM 320 FS	1	8	1	295.42	6041032
RTM 330 FS	1	12	1	477.52	6041034

St Steel
FS Strip-galvanized

Magic cross-over

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RKM 310 FS	1	4	1	173.50	7027241
RKM 320 FS	1	8	1	322.54	7027243
RKM 330 FS	1	12	1	510.59	7027245

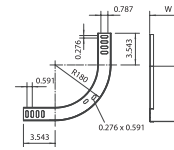
St Steel
FS Strip-galvanized



90° vertical bend, rising

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBV 310 S FS	1	4	1	123.46	7007174
RBV 320 S FS	1	8	1	171.74	7007182
RBV 330 S FS	1	12	1	440.26	7007186

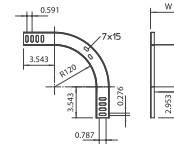
St Steel
FS Strip-galvanized



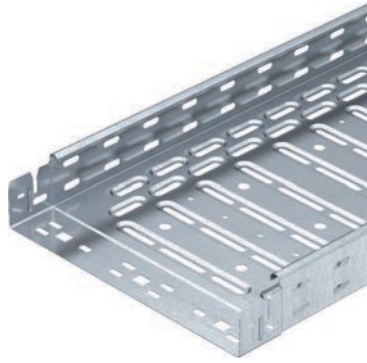
90° vertical bend, falling

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBV 310 F FS	1	4	1	113.98	7007204
RBV 320 F FS	1	8	1	152.78	7007212
RBV 330 F FS	1	12	1	191.58	7007216

St Steel
FS Strip-galvanized



Cable trough RKS-Magic®



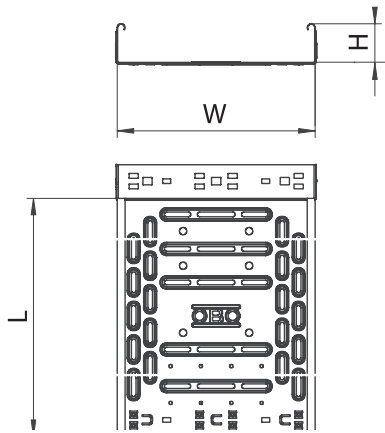
Type	Height (H) inch	Width (W) inch	Length (L) feet	Weight lbs/100 ft	Item No.
RKSM 610 FS	2	4	10	88.79	6047611
RKSM 615 FS	2	6	10	104.21	6047630
RKSM 620 FS	2	8	10	122.97	6047638
RKSM 630 FS	2	12	10	157.97	6047654
RKSM 640 FS	2	16	10	218.99	6047689
RKSM 650 FS	2	20	10	259.31	6047719
RKSM 660 FS	2	24	10	299.63	6047735
RKSM 610 FT	2	4	10	115.89	6047612
RKSM 615 FT	2	6	10	146.51	6047631
RKSM 620 FT	2	8	10	162.37	6047639
RKSM 630 FT	2	12	10	209.52	6047655
RKSM 640 FT	2	16	10	286.49	6047690

St Steel
FS Strip-galvanized **FT** Hot-dip galvanized

Cable trough with quick connection system, including all the relevant connection components for time-saving and economic installation, with beaded straight base perforation. The spring element FED 60 can be ordered separately as an accessory part (spare) for the cable trough RKS Magic with a side height of 2" article number 6068859.

Load rating according to IEC 61537

Dimensions

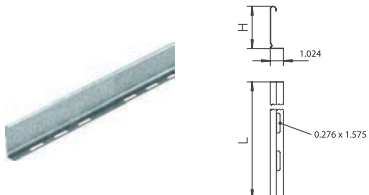


Type	Height (H) inch	Height (H) mm	Width (W) inch	Width (W) mm	Length (L) feet	Length (L) mm	Gauge (t) inch	Gauge (t) mm
RKSM 610 FS	2	60	4	100	10	3050	0.03	0.75
RKSM 615 FS	2	60	6	150	10	3050	0.03	0.75
RKSM 620 FS	2	60	8	200	10	3050	0.03	0.75
RKSM 630 FS	2	60	12	300	10	3050	0.03	0.75
RKSM 640 FS	2	60	16	400	10	3050	0.04	0.9
RKSM 650 FS	2	60	20	500	10	3050	0.04	0.9
RKSM 660 FS	2	60	24	600	10	3050	0.04	0.9

Load

Type	1.0 m kN/m	1.5 m kN/m	1.75 m kN/m	2.0 m kN/m	2.25 m kN/m	2.5 m kN/m	NEMA Load Class
RKSM 610 FS	1.2	0.9	—	0.6	—	0.4	8AA
RKSM 615 FS	1.2	1	0.65	0.6	0.45	0.4	8AA
RKSM 620 FS	1.2	1	0.65	0.55	0.45	0.4	8AA
RKSM 630 FS	1.2	1	0.65	0.55	0.45	0.4	8AA
RKSM 640 FS	2.1	1.35	1.15	0.8	0.7	0.6	8AA
RKSM 650 FS	2.1	1.35	1.15	0.8	0.7	0.6	8AA
RKSM 660 FS	2.1	1.35	1.15	0.8	0.7	0.6	8AA

Barrier strip



Type	Height (H) inch	Length (L) feet	Weight lbs/100 ft	Item No.
TSG 60 FS	2	10	37.43	6062068
TSG 60 DD	2	10	37.43	6062327

St Steel
FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip

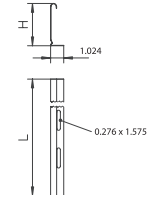


Barrier strip

Type	Height (H) inch	Length (L) feet	Weight lbs/100 ft	Item No.
TSG 45 FS	1	10	31.38	6062033
TSG 45 DD	1	10	31.38	6062321

St Steel

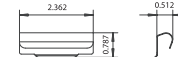
FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip



Barrier strip connector

Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
TSGV VA4310	10	2.20	6067970

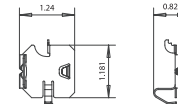
V2A Stainless steel, grade 301



Hold-down clamp for barrier strip fastening in RKSM

Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
KS KR VA4310	30	1.28	6062280

V2A Stainless steel, grade 301

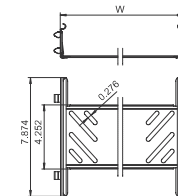


Magic straight connector set

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
KTSMV 610 FS	2	4	1	67.24	6068914
KTSMV 615 FS	2	6	1	76.94	6068916
KTSMV 620 FS	2	8	1	82.01	6068918
KTSMV 630 FS	2	12	1	97.00	6068920
KTSMV 640 FS	2	16	1	111.77	6068922
KTSMV 650 FS	2	20	1	126.55	6068924
KTSMV 660 FS	2	24	1	141.54	6068926
KTSMV 610 DD	2	4	1	67.24	6068936
KTSMV 615 DD	2	6	1	76.94	6068938
KTSMV 620 DD	2	8	1	82.01	6068940
KTSMV 630 DD	2	12	1	97.00	6068942
KTSMV 640 DD	2	16	1	111.77	6068944

St Steel

FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip

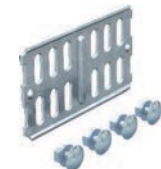
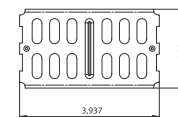


Straight connector

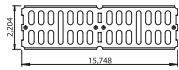
Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RLVK 60 FS	2	10	20.28	6067093
RLVK 60 FT	2	10	23.59	6067603

St Steel

FS Strip-galvanized **FT** Hot-dip galvanized



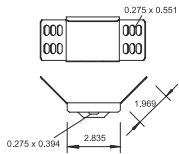
Straight and angle connector



Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RWVL 60 FS	2	10	34.39	6067115
RWVL 60 FT	2	10	38.36	6067611

St Steel
FS Strip-galvanized FT Hot-dip galvanized

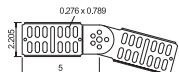
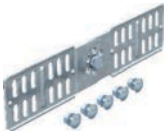
Straight and angle connector



Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
WKV 60 FS	2	5	28.66	6043062
WKV 60 FT	2	5	30.86	6042910

St Steel
FS Strip-galvanized FT Hot-dip galvanized

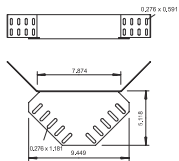
Adjustable connector



Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RGV 60 FS	2	10	54.67	7082010
RGV 60 FT	2	10	56.88	7082223

St Steel
FS Strip-galvanized FT Hot-dip galvanized

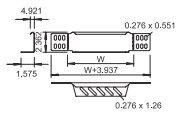
Corner connector



Type	Height (H) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
REV 60 FS	2	10	108.03	6067972
REV 60 DD	2	10	70.55	6069410

St Steel
FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

Reducer / end plate



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RWEB 610 FS	2	4	1	19.40	7109105
RWEB 615 FS	2	6	1	29.98	7109156
RWEB 620 FS	2	8	1	38.80	7109202
RWEB 630 FS	2	12	1	56.44	7109296
RWEB 640 FS	2	16	1	73.85	7109407
RWEB 650 FS	2	20	1	91.49	7109504
RWEB 660 FS	2	24	1	109.13	7109601
RWEB 610 DD	2	4	1	18.96	7106106
RWEB 615 DD	2	6	1	29.54	7106110
RWEB 620 DD	2	8	1	38.58	7106114
RWEB 630 DD	2	12	1	56.00	7106118
RWEB 640 DD	2	16	1	72.75	7106122

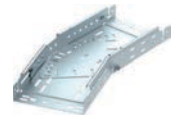
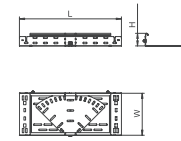
St Steel
FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip



Magic bend, variable 

Type	Height (H) inch	Width (W) inch	{Maß L} feet	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBMV 610 FS	2	4	1.12	1	167.33	6040480
RBMV 615 FS	2	6	1.38	1	247.80	6040482
RBMV 620 FS	2	8	1.61	1	359.79	6040484
RBMV 630 FS	2	12	2.10	1	643.09	6040486
RBMV 640 FS	2	14	2.69	1	1,021.18	6040488
RBMV 650 FS	2	16	3.15	1	1,451.74	6040490
RBMV 660 FS	2	20	3.67	1	1,982.40	6040492
RBMV 610 FT	2	4	1.12	1	182.54	6040500
RBMV 615 FT	2	6	1.38	1	281.31	6040502
RBMV 620 FT	2	8	1.61	1	392.42	6040504
RBMV 630 FT	2	12	2.10	1	851.65	6040506
RBMV 640 FT	2	16	2.69	1	1,365.98	6040508

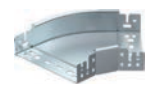
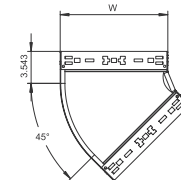
St Steel
 FS Strip-galvanized FT Hot-dip galvanized



45° Magic bend 

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBM 45 610 FS	2	4	1	111.11	6041040
RBM 45 615 FS	2	6	1	148.37	6041042
RBM 45 620 FS	2	8	1	189.60	6041044
RBM 45 630 FS	2	12	1	282.85	6041046
RBM 45 640 FS	2	16	1	385.37	6041048
RBM 45 650 FS	2	20	1	513.02	6041050
RBM 45 660 FS	2	24	1	657.64	6041052
RBM 45 610 FT	2	4	1	119.05	6041060
RBM 45 615 FT	2	6	1	159.17	6041062
RBM 45 620 FT	2	8	1	203.27	6041064
RBM 45 630 FT	2	12	1	303.36	6041066
RBM 45 640 FT	2	14	1	413.15	6041068

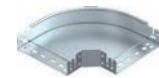
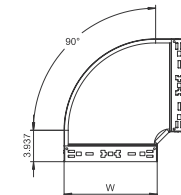
St Steel
 FS Strip-galvanized FT Hot-dip galvanized



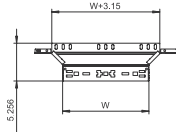
90° Magic bend 

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBM 90 610 FS	2	4	1	144.84	6041130
RBM 90 615 FS	2	6	1	202.83	6041132
RBM 90 620 FS	2	8	1	269.18	6041134
RBM 90 630 FS	2	12	1	425.05	6041136
RBM 90 640 FS	2	16	1	607.15	6041138
RBM 90 650 FS	2	20	1	831.58	6041140
RBM 90 660 FS	2	24	1	1,089.74	6041142
RBM 90 610 FT	2	4	1	155.43	6041150
RBM 90 615 FT	2	6	1	217.60	6041152
RBM 90 620 FT	2	8	1	288.59	6041154
RBM 90 630 FT	2	12	1	455.92	6041156
RBM 90 640 FT	2	16	1	651.03	6041158

St Steel
 FS Strip-galvanized FT Hot-dip galvanized



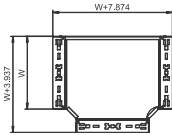
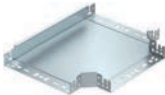
Magic add-on tee



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RAAM 610 FS	2	4	1	83.56	6041230
RAAM 615 FS	2	6	1	97.66	6041232
RAAM 620 FS	2	8	1	111.55	6041234
RAAM 630 FS	2	12	1	139.99	6041236
RAAM 640 FS	2	16	1	168.65	6041238
RAAM 650 FS	2	20	1	196.87	6041240
RAAM 660 FS	2	24	1	226.41	6041242
RAAM 610 FT	2	4	1	89.51	6041250
RAAM 615 FT	2	6	1	104.72	6041252
RAAM 620 FT	2	8	1	119.71	6041254
RAAM 630 FT	2	12	1	150.13	6041257
RAAM 640 FT	2	16	1	180.78	6041259

St Steel
 FS Strip-galvanized FT Hot-dip galvanized

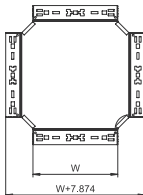
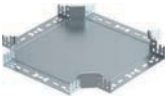
Magic tee



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RTM 610 FS	2	4	1	184.31	6041320
RTM 615 FS	2	6	1	252.87	6041322
RTM 620 FS	2	8	1	332.02	6041324
RTM 630 FS	2	12	1	519.63	6041326
RTM 640 FS	2	16	1	739.87	6041328
RTM 650 FS	2	20	1	1,015.23	6041330
RTM 660 FS	2	24	1	1,333.80	6041332
RTM 610 FT	2	4	1	197.53	6041340
RTM 615 FT	2	6	1	271.17	6041342
RTM 620 FT	2	8	1	356.05	6041344
RTM 630 FT	2	12	1	557.33	6041348
RTM 640 FT	2	16	1	793.44	6041350

St Steel
 FS Strip-galvanized FT Hot-dip galvanized

Magic cross-over



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RKM 610 FS	2	4	1	205.47	7027001
RKM 615 FS	2	6	1	274.70	7027003
RKM 620 FS	2	8	1	354.50	7027005
RKM 630 FS	2	12	1	542.56	7027007
RKM 640 FS	2	16	1	757.07	7027009
RKM 650 FS	2	20	1	1,032.42	7027011
RKM 660 FS	2	24	1	1,350.99	7027013
RKM 610 FT	2	4	1	220.24	7027021
RKM 620 FT	2	8	1	380.08	7027025
RKM 630 FT	2	12	1	581.80	7027027
RKM 640 FT	2	16	1	811.74	7027029

St Steel
 FS Strip-galvanized FT Hot-dip galvanized

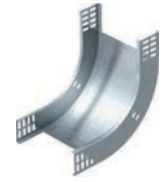
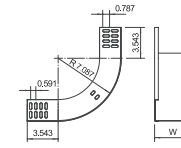


90° vertical bend, rising 

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBV 610 S FS	2	4	1	145.51	7007005
RBV 615 S FS	2	6	1	171.96	7007009
RBV 620 S FS	2	8	1	209.44	7007013
RBV 630 S FS	2	12	1	273.37	7007017
RBV 640 S FS	2	16	1	337.31	7007021
RBV 650 S FS	2	20	1	399.04	7007025
RBV 660 S FS	2	24	1	462.97	7007029
RBV 610 S FT	2	4	1	156.53	7007006
RBV 615 S FT	2	6	1	185.19	7007010
RBV 620 S FT	2	8	1	227.08	7007014
RBV 630 S FT	2	12	1	295.42	7007018
RBV 640 S FT	2	16	1	359.35	7007022

St Steel

FS Strip-galvanized FT Hot-dip galvanized

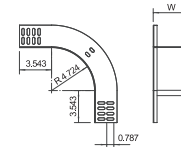


90° vertical bend, falling 

Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RBV 610 F FS	2	4	1	134.48	7007055
RBV 615 F FS	2	6	1	160.94	7007059
RBV 620 F FS	2	8	1	185.19	7007063
RBV 630 F FS	2	12	1	235.89	7007067
RBV 640 F FS	2	16	1	286.60	7007071
RBV 650 F FS	2	20	1	337.31	7007075
RBV 660 F FS	2	24	1	388.01	7007079
RBV 610 F FT	2	4	1	145.51	7007056
RBV 615 F FT	2	6	1	176.37	7007060
RBV 620 F FT	2	8	1	202.83	7007064
RBV 630 F FT	2	12	1	255.74	7007068
RBV 640 F FT	2	16	1	313.06	7007072

St Steel

FS Strip-galvanized FT Hot-dip galvanized

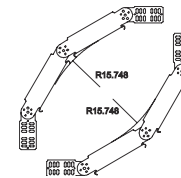


90° adjustable vertical bend 

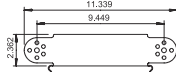
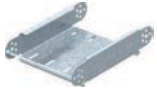
Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RGBV 610 FS	2	4	1	382.94	7006322
RGBV 615 FS	2	6	1	427.70	7006330
RGBV 620 FS	2	8	1	482.81	7006349
RGBV 630 FS	2	12	1	582.02	7006365
RGBV 640 FS	2	16	1	685.64	7006381
RGBV 650 FS	2	20	1	868.62	7006411
RGBV 660 FS	2	24	1	947.99	7006446
RGBV 610 FT	2	4	1	410.06	7079109
RGBV 615 FT	2	6	1	440.92	7079141
RGBV 620 FT	2	8	1	480.17	7079206
RGBV 630 FT	2	12	1	650.36	7079303
RGBV 640 FT	2	16	1	769.41	7079400

St Steel

FS Strip-galvanized FT Hot-dip galvanized



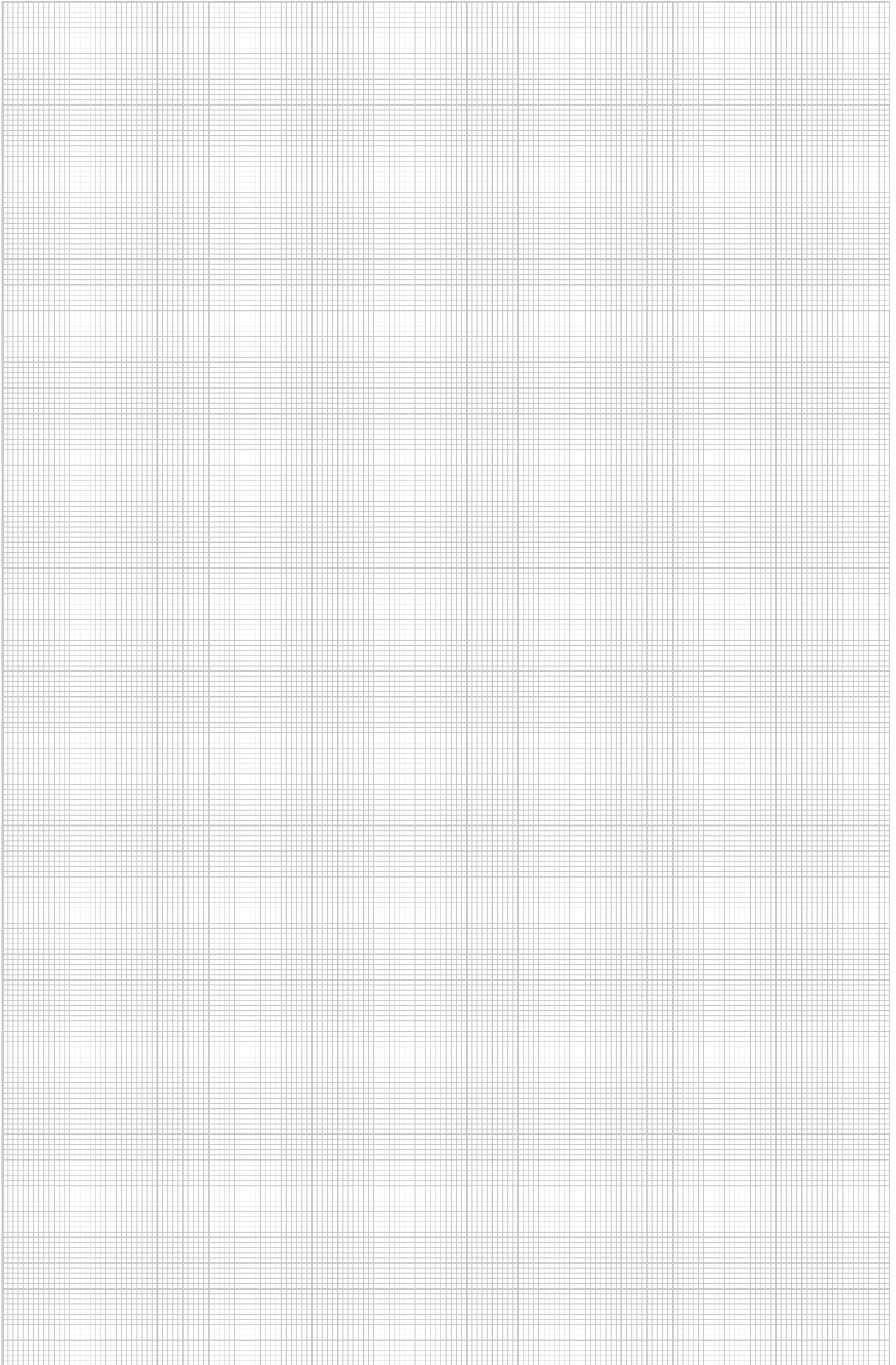
Adjustable vertical bend element



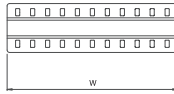
Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
RGBEV 610 FS	2	4	1	106.04	7005326
RGBEV 615 FS	2	6	1	135.58	7005334
RGBEV 620 FS	2	8	1	140.21	7005342
RGBEV 630 FS	2	12	1	177.25	7005369
RGBEV 640 FS	2	16	1	251.33	7005385
RGBEV 650 FS	2	20	1	295.42	7005407
RGBEV 660 FS	2	24	1	341.28	7005423
RGBEV 610 FT	2	4	1	115.52	7075103
RGBEV 615 FT	2	6	1	136.25	7075154
RGBEV 620 FT	2	8	1	152.78	7075200
RGBEV 630 FT	2	12	1	193.12	7075308
RGBEV 640 FT	2	16	1	271.17	7075405

St Steel
 FS Strip-galvanized FT Hot-dip galvanized





Joint plate



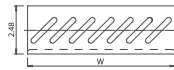
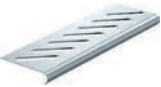
Type	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
SSLB 100 FS	4	20	16.98	7070205
SSLB 150 FS	6	20	26.90	7070209
SSLB 200 FS	8	20	36.82	7070213
SSLB 300 FS	12	20	56.66	7070217
SSLB 400 FS	16	20	76.50	7070221
SSLB 500 FS	20	20	96.34	7070225
SSLB 600 FS	24	20	116.18	7070233
SSLB 100 DD	4	20	16.98	7070306
SSLB 150 DD	6	20	26.90	7070310
SSLB 200 DD	8	20	36.82	7070314
SSLB 300 DD	12	20	56.66	7070318
SSLB 400 DD	16	20	76.50	7070322

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

Including fastening hardware.

Bottom end plate



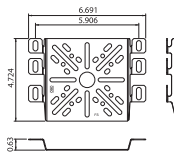
Type	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
BEB 100 FS	4	100	11.90	7083106
BEB 150 FS	6	100	18.52	7083157
BEB 200 FS	8	100	25.13	7083203
BEB 300 FS	12	100	37.92	7083300
BEB 400 FS	16	100	50.93	7083408
BEB 500 FS	20	50	63.93	7083505
BEB 600 FS	24	50	77.16	7083602
BEB 100 DD	4	100	11.90	7083618
BEB 150 DD	6	100	18.52	7083622
BEB 200 DD	8	100	25.13	7083626
BEB 300 DD	12	100	37.92	7083630
BEB 400 DD	16	100	50.93	7083634

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

For fastening, please order screws, type FRSB M6x12, separately.

Mounting plate



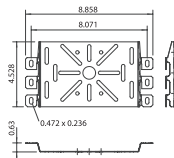
Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
MP UNI FS	40	29.32	7084773
MP UNI DD	40	24.25	7085114

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

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

Mounting plate



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
MP 225 UNI FS	20	44.09	7084870

St Steel

FS Strip-galvanized

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



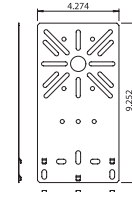
Mounting plate

Type	Pack. pcs	Weight lbs/100 pcs	Item No.
MP FL FS	40	42.33	7084757
MP FL DD	40	42.33	7085108

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

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



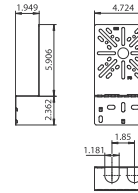
Mounting plate

Type	Pack. pcs	Weight lbs/100 pcs	Item No.
MP WI KL. FS	20	44.53	7084765
MP WI KL. DD	20	44.53	7085111

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

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



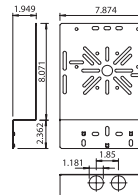
Mounting plate

Type	Pack. pcs	Weight lbs/100 pcs	Item No.
MP WI GR. FS	25	88.18	7084781
MP WI GR. DD	25	88.18	7085112

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

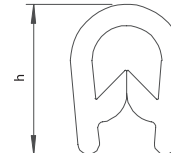
Please order the truss-head bolt, type FRS B6 x 12, separately.



Edge protection strip

Type	Dim. h inch	Pack. m	Weight lbs/100 ft	Item No.
KSB 2 PVC	0.39	10	5.38	6072909
KSB 4 PVC	0.59	10	9.41	6072895

PVC Polyvinylchloride



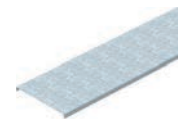
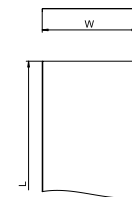
Cover

Type	Width (W) inch	Length (L) feet	Gauge (t) inch	Weight lbs/100 ft	Item No.
DRLU 100 FS	4	10	0.03	66.30	6052103
DRLU 150 FS	6	10	0.04	92.73	6052153
DRLU 200 FS	8	10	0.04	119.39	6052210
DRLU 300 FS	12	10	0.04	171.80	6052307
DRLU 400 FS	16	10	0.04	224.89	6052405
DRLU 500 FS	20	10	0.05	416.28	6052512
DRLU 600 FS	24	10	0.05	495.47	6052609
DRLU 100 DD	4	10	0.03	59.81	6052643
DRLU 150 DD	6	10	0.04	92.96	6052647
DRLU 200 DD	8	10	0.04	119.39	6052650
DRLU 300 DD	16	10	0.04	172.02	6052656
DRLU 400 DD	20	10	0.04	224.75	6052662

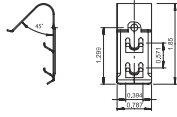
St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

When using covers outdoors, additional measures against strong winds must be taken. Cover clamps or turn buckles on their own are not sufficient securing elements against wind loads.



Cover clamp, universal

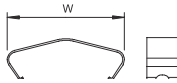


Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
DKU VA4310	20	1.76	6065600

V2A Stainless steel, grade 301

Depending on the trough width, 4–6 cover clamps are required for secure fastening of a 10 ft cover.

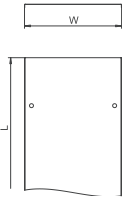
Cover clamp



Type	Dim. W inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DKL 35 VA4310	2	20	3.09	6065503
DKL 60 VA4310	2.98	20	3.97	6065538

V2A Stainless steel, grade 301

Cover with turn buckle



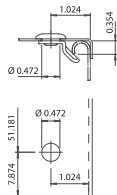
Type	Width (W) inch	Length (L) feet	Gauge (t) inch	Weight lbs/100 ft	Item No.
DRL 100 FS	4	10	0.03	68.32	6052096
DRL 150 FS	6	10	0.04	94.75	6052150
DRL 200 FS	8	10	0.04	120.95	6052207
DRL 300 FS	12	10	0.04	174.22	6052304
DRL 400 FS	16	10	0.04	226.90	6052401
DRL 500 FS	20	10	0.05	418.19	6052509
DRL 600 FS	24	10	0.05	497.49	6052606
DRL 100 DD	4	10	0.03	68.32	6052703
DRL 150 DD	6	10	0.04	94.75	6052706
DRL 200 DD	8	10	0.04	120.95	6052709
DRL 300 DD	12	10	0.04	174.04	6052712
DRL 400 DD	16	10	0.04	226.90	6052715

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

Transverse bead from 20" width.

Turn buckle



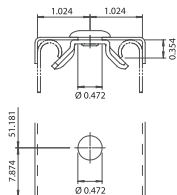
Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
DRL 311 FT	20	2.87	6065007

St Steel

FT Hot-dip galvanized

Single-sided turn-buckle. Use for cover widths of 4" – 24".

Turn buckle



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
DRL 311 2 FT	20	3.75	6065147

St Steel

FT Hot-dip galvanized

Turn-buckle on both sides. Use for cover width of 2".



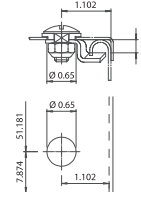
Turn buckle 

Type	Pack. pcs	Weight lbs/100 pcs	Item No.
DRLM 316 DD	10	6.17	6222366

St Steel

DD Strip galvanized zinc/aluminium, Double Dip

Single-sided turn-buckle. Use for cover widths of 2" – 24".

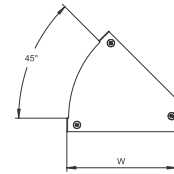


Cover for 45° Magic bend 

Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
DFBM 45 100 FS	4	0.05	1	25.79	7138360
DFBM 45 150 FS	6	0.05	1	40.57	7138362
DFBM 45 200 FS	8	0.05	1	58.86	7138364
DFBM 45 300 FS	12	0.05	1	105.60	7138366
DFBM 45 400 FS	16	0.05	1	206.57	7138368
DFBM 45 500 FS	20	0.05	1	300.27	7138370
DFBM 45 600 FS	24	0.05	1	409.62	7138372
DFBM 45 100 DD	4	0.05	1	25.79	7138400
DFBM 45 150 DD	6	0.05	1	40.57	7138402
DFBM 45 200 DD	8	0.05	1	58.86	7138404
DFBM 45 300 DD	12	0.05	1	105.60	7138406
DFBM 45 400 DD	20	0.05	1	206.57	7138408

St Steel

FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip

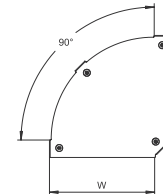


Cover for 90° Magic bend 

Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
DFBM 90 100 FS	4	0.05	1	37.70	7138500
DFBM 90 150 FS	6	0.05	1	62.83	7138502
DFBM 90 200 FS	8	0.05	1	94.80	7138504
DFBM 90 300 FS	12	0.05	1	179.90	7138506
DFBM 90 400 FS	20	0.05	1	363.76	7138508
DFBM 90 500 FS	20	0.05	1	538.15	7138510
DFBM 90 600 FS	24	0.05	1	745.38	7138512
DFBM 90 100 DD	4	0.05	1	37.70	7138540
DFBM 90 150 DD	6	0.05	1	62.83	7138542
DFBM 90 200 DD	8	0.05	1	94.80	7138544
DFBM 90 300 DD	12	0.05	1	179.90	7138546
DFBM 90 400 DD	16	0.05	1	363.76	7138548

St Steel

FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip

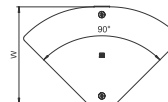


Cover for variable Magic bend 

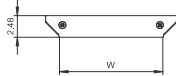
Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs	Item No.
DFBMV 100 FS	4	0.04	1	31.31	6040760
DFBMV 150 FS	6	0.04	1	54.90	6040762
DFBMV 200 FS	8	0.04	1	85.32	6040764
DFBMV 300 FS	12	0.04	1	166.45	6040766
DFBMV 400 FS	16	0.05	1	342.82	6040768
DFBMV 500 FS	20	0.05	1	512.13	6040770
DFBMV 600 FS	24	0.05	1	715.62	6040772
DFBMV 100 DD	4	0.04	1	31.31	6040780
DFBMV 200 DD	6	0.04	1	85.32	6040784
DFBMV 300 DD	8	0.04	1	166.45	6040786
DFBMV 400 DD	12	0.05	1	342.82	6040788

St Steel

FS Strip-galvanized **DD** Strip galvanized zinc/aluminium, Double Dip



Cover for Magic add-on tee

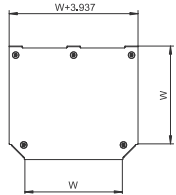


Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DFAAM 100 FS	4	0.05	1	21.38	7138640
DFAAM 150 FS	6	0.05	1	26.68	7138642
DFAAM 200 FS	8	0.05	1	29.32	7138644
DFAAM 300 FS	12	0.05	1	42.99	7138646
DFAAM 400 FS	16	0.05	1	66.80	7138648
DFAAM 500 FS	20	0.05	1	80.47	7138650
DFAAM 600 FS	24	0.05	1	94.14	7138652
DFAAM 100 DD	4	0.05	1	21.38	7138680
DFAAM 150 DD	6	0.05	1	26.68	7138682
DFAAM 200 DD	8	0.05	1	31.97	7138684
DFAAM 300 DD	12	0.05	1	42.99	7138686
DFAAM 400 DD	16	0.05	1	66.80	7138688

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

Cover for Magic tee

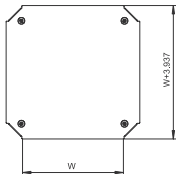


Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DFTM 100 FS	4	0.05	1	65.26	7138790
DFTM 150 FS	6	0.05	1	85.76	7138792
DFTM 200 FS	8	0.05	1	128.53	7138794
DFTM 300 FS	12	0.05	1	240.74	7138796
DFTM 400 FS	16	0.05	1	482.59	7138798
DFTM 500 FS	20	0.05	1	708.35	7138800
DFTM 600 FS	24	0.05	1	977.09	7138802
DFTM 100 DD	4	0.05	1	65.26	7138830
DFTM 150 DD	6	0.05	1	85.76	7138832
DFTM 200 DD	8	0.05	1	128.53	7138834
DFTM 300 DD	12	0.05	1	240.74	7138836
DFTM 400 DD	16	0.05	1	482.59	7138838

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

Cover for Magic cross-over



Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DFKM 100 FS	4	0.05	1	65.26	7138930
DFKM 150 FS	6	0.05	1	103.84	7138932
DFKM 200 FS	8	0.05	1	151.02	7138934
DFKM 300 FS	12	0.05	1	271.39	7138936
DFKM 400 FS	16	0.05	1	532.42	7138938
DFKM 500 FS	20	0.05	1	769.63	7138940
DFKM 600 FS	24	0.05	1	1,049.84	7138942
DFKM 100 DD	4	0.05	1	65.26	7138970
DFKM 200 DD	8	0.05	1	151.02	7138974
DFKM 300 DD	12	0.05	1	271.39	7138976
DFKM 400 DD	16	0.05	1	532.42	7138978

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

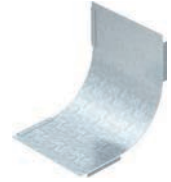
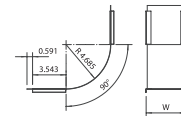


Cover for 90° vertical bend, rising

Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DBV 100 S FS	4	0.03	1	46.30	7130805
DBV 150 S FS	6	0.03	1	66.14	7130809
DBV 200 S FS	8	0.03	1	85.98	7130813
DBV 300 S FS	12	0.03	1	108.03	7130817
DBV 400 S FS	16	0.03	1	149.91	7130821
DBV 500 S FS	20	0.03	1	189.60	7130825
DBV 600 S FS	24	0.03	1	231.49	7130829
DBV 100 S DD	4	0.03	1	74.96	7131508
DBV 150 S DD	6	0.03	1	110.23	7131509
DBV 200 S DD	8	0.03	1	145.51	7131510
DBV 300 S DD	12	0.03	1	178.57	7131514
DBV 400 S DD	16	0.03	1	249.12	7131518

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip

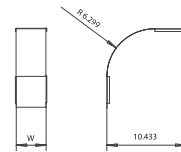


Cover for 90° vertical bend, falling, side height 1"

Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DBV 35 100 F FS	4	0.03	1	50.71	7130764
DBV 35 200 F FS	8	0.03	1	99.21	7130772
DBV 35 300 F FS	12	0.03	1	147.71	7130776

St Steel

FS Strip-galvanized

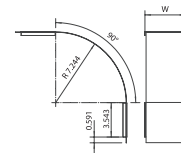


Cover for 90° vertical bend, falling, side height 2"

Type	Width (W) inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DBV 60 100 F FS	4	0.03	1	55.12	7130852
DBV 60 150 F FS	6	0.03	1	81.57	7130856
DBV 60 200 F FS	8	0.03	1	108.03	7130860
DBV 60 300 F FS	12	0.03	1	160.94	7130864
DBV 60 400 F FS	16	0.03	1	211.64	7130868
DBV 60 500 F FS	20	0.03	1	264.55	7130872
DBV 60 600 F FS	24	0.03	1	315.26	7130876
DBV 60 100 F DD	4	0.03	1	92.59	7131632
DBV 60 150 F DD	6	0.03	1	136.69	7131634
DBV 60 200 F DD	8	0.03	1	180.78	7131636
DBV 60 300 F DD	12	0.03	1	268.96	7131640
DBV 60 400 F DD	16	0.03	1	352.74	7131644

St Steel

FS Strip-galvanized DD Strip galvanized zinc/aluminium, Double Dip



Wall and support bracket MWA 12



Type	Width (W) inch	Pound force lbf	Pack. pcs	Weight lbs/100 pcs.	Item No.
MWA 12 11S FS	4	269.77	30	37.92	6424716
MWA 12 21S FS	8	269.77	30	63.93	6424732
MWA 12 31S FS	12	269.77	30	110.89	6424740
MWA 12 41S FS	16	269.77	30	149.91	6424759

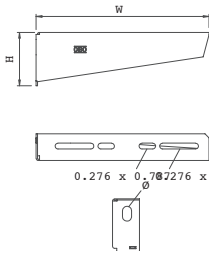
St Steel

FS Strip-galvanized

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

Light-duty wall and support bracket.

Dimensions



Type	Width (W) inch	Height inch	Hole diameter inch
MWA 12 11S FS	4	2.09	0.43
MWA 12 21S FS	8	2.56	0.43
MWA 12 31S FS	12	2.95	0.43
MWA 12 41S FS	16	3.27	0.43

Wall and support bracket MWAM 12



Type	Width (W) inch	Pound force lbf	Pack. pcs	Weight lbs/100 pcs.	Item No.
MWAM 12 11 FS	4	269.77	30	42.99	6424550
MWAM 12 21 FS	8	269.77	30	57.32	6424552
MWAM 12 31 FS	12	269.77	30	114.42	6424554
MWAM 12 41 FS	16	269.77	25	153.66	6424556

St Steel

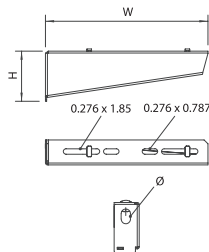
FS Strip-galvanized

Wall and support bracket MWAM.. including:

1. Two pre-mounted quick connectors for efficient cable trough fastening.
2. Truss-head bolt M10 x 25 for fastening on the U support.

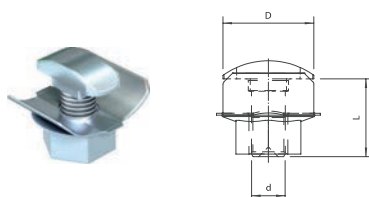
Light-duty wall and support bracket including quick connector for use with cable troughs of type RKSM.

Dimensions



Type	Width (W) inch	Height inch	Hole diameter inch
MWAM 12 11 FS	4	2.09	0.43
MWAM 12 21 FS	8	2.56	0.43
MWAM 12 31 FS	12	2.95	0.43
MWAM 12 41 FS	16	3.27	0.43

Quick connector



Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs.	Item No.
FCM F	M 6 x 12	50	1.59	6424548

St Steel

F Hot-dip galvanized



Wall and support bracket AW 15

Type	Width (W) inch	Pound force lbf	Pack. pcs	Weight lbs/100 pcs.	Item No.
AW 15 11 FT	4	337.21	30	30.86	6420656
AW 15 16 FT	6	337.21	30	44.09	6420664
AW 15 21 FT	8	337.21	30	57.32	6420680
AW 15 31 FT	12	337.21	30	77.16	6420710
AW 15 41 FT	16	337.21	30	121.25	6420745
AW 15 51 FT	20	337.21	20	158.73	6420788
AW 15 61 FT	24	337.21	20	187.39	6420826

St Steel

FT Hot-dip galvanized

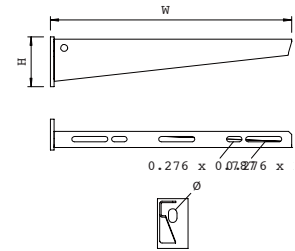
Fastening of the bracket to the U support of width 16" or greater using hexagonal bolt through both sides of the support. Please insert suitable spacers.

Light-duty wall and support bracket with welded head plate.



Dimensions

Type	Width (W) inch	Height inch	Hole diameter inch
AW 15 11 FT	4	1.97	0.43
AW 15 16 FT	6	2.17	0.43
AW 15 21 FT	8	2.36	0.43
AW 15 31 FT	12	2.56	0.43
AW 15 41 FT	16	2.76	0.43
AW 15 51 FT	20	2.95	0.43
AW 15 61 FT	24	3.15	0.43



Wall and support bracket AW 15

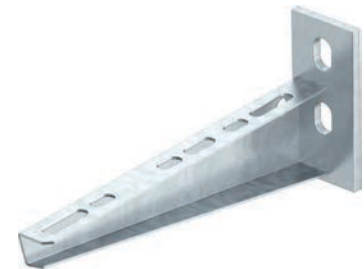
Type	Width (W) inch	Pound force lbf	Pack. pcs	Weight lbs/100 pcs.	Item No.
AW 15 11 FT 2L	4	337.21	30	35.27	6420909
AW 15 16 FT 2L	6	337.21	30	44.09	6420912
AW 15 21 FT 2L	8	337.21	30	63.93	6420915
AW 15 31 FT 2L	12	337.21	30	92.59	6420918
AW 15 41 FT 2L	16	337.21	30	127.87	6420921
AW 15 51 FT 2L	20	337.21	20	158.73	6420924
AW 15 61 FT 2L	24	337.21	18	200.62	6420927

St Steel

FT Hot-dip galvanized

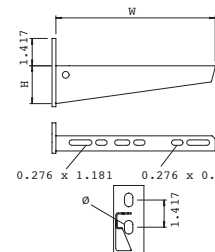
The double-perforated bracket offers the special option of double anchoring on lightweight partitions and light masonry.

Wall and support bracket with welded head plate and two fastening holes.

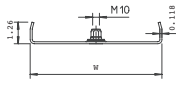


Dimensions

Type	Width (W) inch	Height inch	Hole diameter inch
AW 15 11 FT 2L	4	1.73	0.43
AW 15 16 FT 2L	6	2.13	0.43
AW 15 21 FT 2L	8	2.13	0.43
AW 15 31 FT 2L	12	2.52	0.43
AW 15 41 FT 2L	16	2.52	0.43
AW 15 51 FT 2L	20	2.83	0.43
AW 15 61 FT 2L	24	3.03	0.43



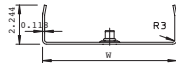
Central hanger for cable trough, side height 1"



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
MAH 35 100 FS	1	4	20	20.72	6358690
MAH 35 200 FS	1	8	20	41.01	6358692
MAH 35 300 FS	1	12	20	61.07	6358694

St Steel
FS Strip-galvanized

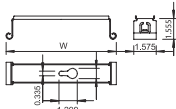
Central hanger for cable trough, side height 2"



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
MAH 60 100 FS	2	4	20	40.79	6358705
MAH 60 150 FS	2	8	20	50.71	6358709
MAH 60 200 FS	2	12	20	60.85	6358713
MAH 60 300 FS	2	16	20	80.91	6358717
MAH 60 100 FT	2	4	20	40.79	6358752
MAH 60 150 FT	2	8	20	50.71	6358756
MAH 60 200 FT	2	12	20	60.85	6358760
MAH 60 300 FT	2	16	20	80.91	6358764

St Steel
FS Strip-galvanized FT Hot-dip galvanized

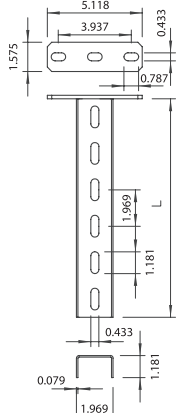
Central hanger for cable trough



Type	Height (H) inch	Width (W) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
MAH 100 FS	2	4	50	16.53	6358527
MAH 150 FS	2	6	50	17.64	6358535
MAH 200 FS	2	8	50	27.56	6358543

St Steel
FS Strip-galvanized

US 3 support

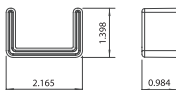


Type	Length (L) feet	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
US 3 K 20 FT	0.65	0.08	1	111.33	6342351
US 3 K 30 FT	0.98	0.08	1	141.98	6342353
US 3 K 40 FT	1.31	0.08	1	172.62	6342355
US 3 K 50 FT	1.64	0.08	1	203.49	6342357
US 3 K 60 FT	1.96	0.08	1	234.13	6342359
US 3 K 70 FT	2.29	0.08	1	265.00	6342362
US 3 K 80 FT	2.62	0.08	1	295.64	6342364
US 3 K 90 FT	2.95	0.08	1	325.84	6342366
US 3 K 100 FT	3.28	0.08	1	357.15	6342368
US 3 K 110 FT	3.6	0.08	1	387.79	6342370
US 3 K 120 FT	3.93	0.08	1	418.66	6342372

St Steel
FT Hot-dip galvanized

For bracket widths of 16" 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.

End cap



Type	Colour	Pack. pcs	Weight lbs/100 pcs.	Item No.
US 3 KS OR	Pastel orange	20	2.35	6338458

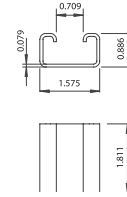
PE Polyethylene



Spacer

Type	Dimension	Pack. pcs	Weight lbs/100 pcs	Item No.
DSK 25 FT		20	16.53	6416446

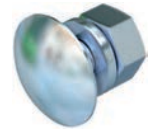
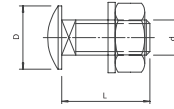
St Steel
FT Hot-dip galvanized



Truss-head bolt

Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs	Item No.
FRS 10X25 F 8.8	M 10 x 25	50	9.92	6407560

St Steel
F Hot-dip galvanized



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

Hexagonal bolt

Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs	Item No.
SKS 10X80 F	M 10 x 80	20	16.98	6418250
SKS 10X90 F	M 10 x 90	20	17.20	6418252

St Steel
F Hot-dip galvanized



Hexagonal bolt for universal fixing of structure components.

Threaded rod

Type	Thread	Dim. L inch	Pack. pcs	Weight lbs/100 pcs	Item No.
2078 M8 1M G	M8	39.37	10	66.14	3141128
2078 M10 1M G	M10	39.37	10	108.03	3141209
2078 M12 1M G	M12	39.37	10	136.69	3141306
2078 M8 2M G	M8	78.74	10	132.28	3141136
2078 M10 2M G	M10	78.74	10	216.05	3141140
2078 M12 2M G	M12	78.74	10	308.65	3141144

St Steel
G Electrogalvanized



Threaded rod to DIN 976.

Threaded rod VA

Type	Thread	Dim. L inch	Pack. pcs	Weight lbs/100 pcs	Item No.
2078 M8 1M V2A	M8	39.37	10	66.14	3141310
2078 M10 1M V2A	M10	39.37	10	108.03	3141312
2078 M12 1M V2A	M12	39.37	10	154.32	3141314

V2A Stainless steel, grade 304



Threaded rod to DIN 976.

Connection sleeve

Type	Thread	Dim. L inch	Pack. pcs	Weight lbs/100 pcs	Item No.
12005 M8 G	M8	1.18	50	4.41	6410081
12005 M10 G	M10	1.57	50	13.23	6410103
12005 M12 G	M12	1.57	25	15.43	6410111

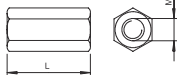
St Steel
G Electrogalvanized



Connection sleeve with continuous internal thread.



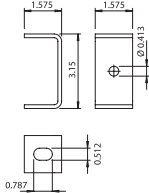
Connection sleeve VA



Type	Thread	Dim. L inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
12005 M8 V2A	M8	1.18	50	4.41	6410154
12005 M10 V2A	M10	1.57	50	13.23	6410162

V2A, Stainless steel, grade 304
Connection sleeve with continuous internal thread.

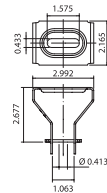
Ceiling bracket



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
DB FT	20	35.27	6356109

St Steel
FT Hot-dip galvanized
Ceiling bracket for threaded rod suspension.

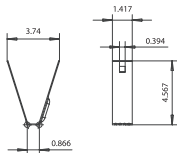
Ceiling bracket, variable



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
DBV FS	20	40.12	6356055

St Steel
FS Strip-galvanized
Ceiling bracket for suspension with threaded rods. The variable adjustment permits universal use.

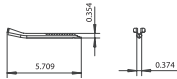
Ceiling bracket, trapezoidal



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
TPB 100 FS	20	21.83	6357506

St Steel
FS Strip-galvanized
Important: Observe the statics of the trapezoidal metal ceiling.
Ceiling bracket for fastening to standard trapezoidal ceilings.

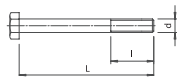
Splint for trapezoidal ceiling bracket



Type	Pack. pcs	Weight lbs/100 pcs.	Item No.
TPB R FS	20	8.16	6357536

St Steel
FS Strip-galvanized
Important: Observe the statics of the trapezoidal metal ceiling.
Splint for fastening and securing the ceiling bracket to trapezoidal ceilings.

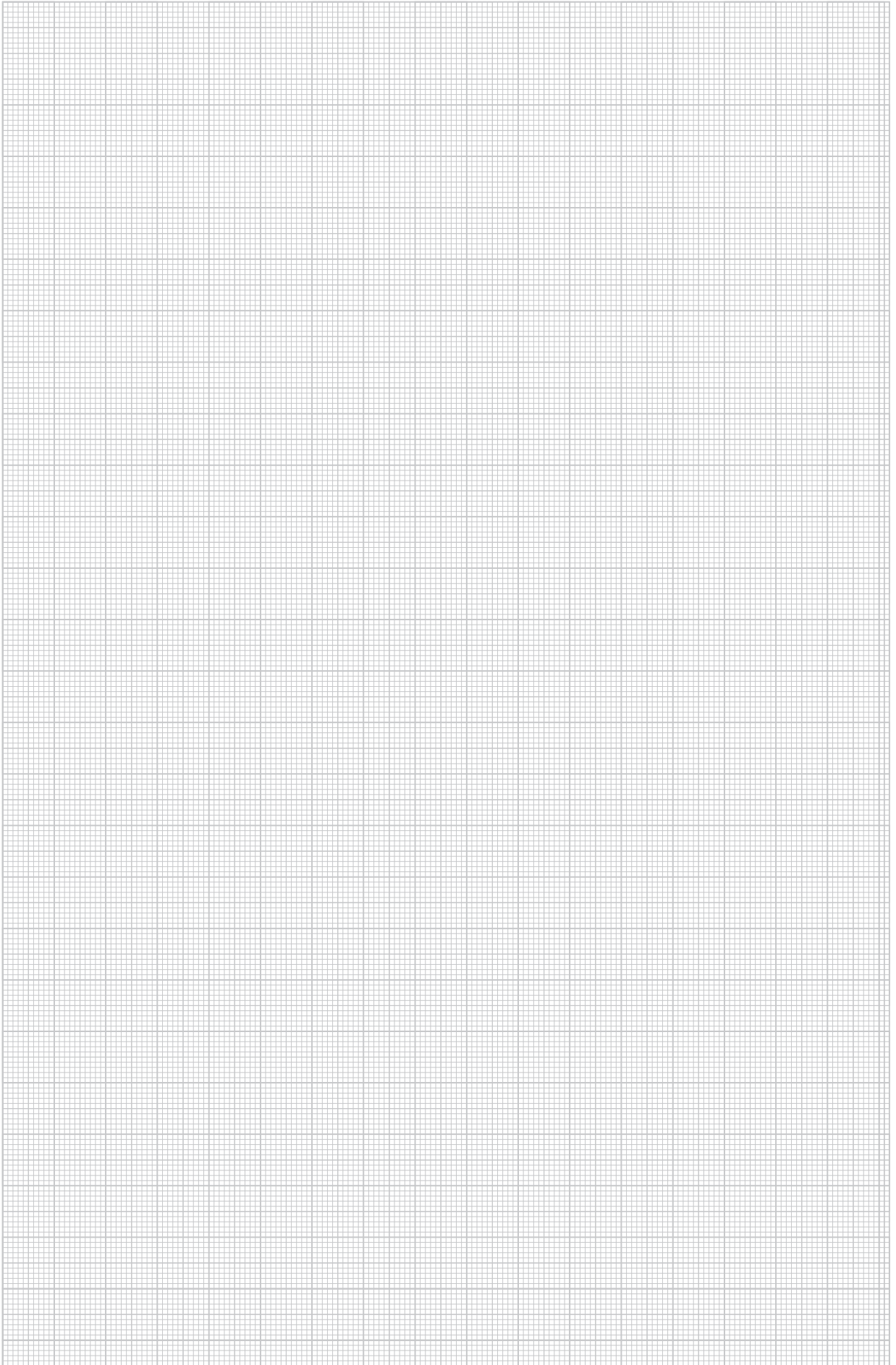
Hexagonal bolt



Type	Dimension mm	Dim. L inch	Dim. l inch	Dim. d inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
SKS 10X110 G	M 10 x 110	4.33	1.18	0.39	20	20.94	6418244

St Steel
G Electrogalvanized
Hexagonal bolt with washers and hexagonal nut.





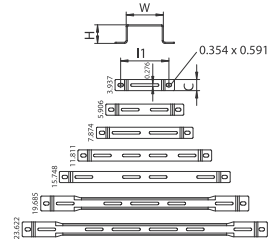


Stand-off bracket

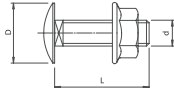
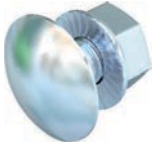
Type	Width		Pack. pcs	Weight lbs/100 pcs.	Item No.
	Height inch	(W) inch			
DBL 50 100 FS	2	4	20	34.17	6015506
DBL 50 150 FS	2	6	20	41.45	6015514
DBL 50 200 FS	2	8	20	46.30	6015522
DBL 50 300 FS	2	12	20	81.35	6015530
DBL 50 400 FS	2	16	20	102.07	6015549
DBL 50 500 FS	2	20	25	126.10	6015552
DBL 50 600 FS	2	24	20	145.06	6015555
DBL 50 100 FT	2	4	20	35.27	6015565
DBL 50 150 FT	2	6	20	42.77	6015573
DBL 50 200 FT	2	8	20	48.50	6015581
DBL 50 300 FT	2	12	20	83.78	6015603
DBL 50 400 FT	2	16	20	105.16	6015611
DBL 50 500 FT	2	20	25	129.85	6015614
DBL 50 600 FT	2	24	20	149.47	6015617

St Steel

FS Strip-galvanized **FT** Hot-dip galvanized



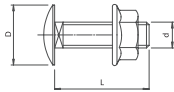
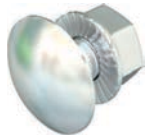
Truss-head bolt with flange nut



Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs.	Item No.
FRSB 6X12 VZ G	M 6 x 12	10	1.54	6406133
FRSB 6X12 G	M 6 x 12	100	1.75	6406130
FRSB 6X20 G	M 6 x 20	100	1.99	6406181
FRSB 6X12 VZ F	M 6 x 12	10	1.85	6406125
FRSB 6X12 F	M 6 x 12	100	2.18	6406122
FRSB 6X15 F	M 6 x 15	100	1.76	6406157
FRSB 6X20 F	M 6 x 20	100	2.20	6406203
FRSB 6X30 F	M 6 x 30	100	2.65	6406907

St Steel
F Hot-dip galvanized **G** Electrogalvanized

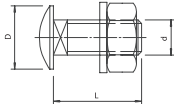
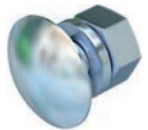
Truss-head screw with combination nut, V2A



Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs.	Item No.
FRSB 6x12 A2	M 6 x 12	100	1.83	6406138
FRSB 6x16 A2	M 6 x 16	100	1.76	6406189
FRSB 6x20 A2	M 6 x 20	100	2.12	6406205

V2A Stainless steel, A2

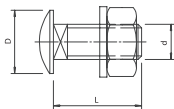
Truss-head bolt with nut and washer



Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs.	Item No.
FRS 8X16 F 8.8	M 8 x 16	50	4.85	6406963
FRS 8X16 F 5.6	M 8 x 16	50	4.41	6406939
FRS 8X20 F	M 8 x 20	50	4.63	6406971
FRS 8X25 F	M 8 x 25	50	5.07	6406998
FRS 8X35 F	M 8 x 35	50	5.95	6407048
FRS 10X20 F	M 10 x 20	50	9.04	6407471
FRS 10X25 F	M 10 x 25	50	9.92	6407528
FRS 10X25 F 8.8	M 10 x 25	50	9.92	6407560
FRS 10X25 F TPS	M 10 x 25	50	9.48	6407536
FRS 10X30 F	M 10 x 30	50	11.02	6407579
FRS 12X25 F	M 12 x 25	10	14.11	6406254
FRS 12X30 F	M 12 x 30	20	14.99	6406270

St Steel
F Hot-dip galvanized

Truss-head screw with washer and nut, V2A



Type	Dimension mm	Pack. pcs	Weight lbs/100 pcs.	Item No.
FRS 8x16 A2	M 8 x 16	50	4.85	6406696
FRS 8x20 A2	M 8 x 20	50	4.63	6406807
FRS 8x25 A2	M 8 x 25	50	5.07	6406815
FRS 8x35 A2	M 8 x 35	50	5.95	6406823

V2A Stainless steel, A2

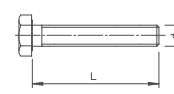


Hexagonal bolt

Type	Dimension mm	Pack. pcs	Weight		Item No.
			lbs/100 pcs.		
342 M8X20 G	M 8 x 20	100	2.71		3158209
342 M8X25 G	M 8 x 25	100	3.06		3158241
342 M8X30 G	M 8 x 30	100	3.42		3158306
342 M10X20 G	M 10 x 20	100	5.11		3160203
342 M10X30 G	M 10 x 30	100	6.22		3160300
342 M10X40 G	M 10 x 40	50	7.14		3160408
342 M10X50 G	M 10 x 50	50	8.42		3160505
342 M10X60 G	M 10 x 60	50	9.55		3160602
342 M12X30 G	M 12 x 30	50	8.86		3162303
342 M12X40 G	M 12 x 40	50	10.45		3162400
342 M12X50 G	M 12 x 50	50	12.02		3162508

St Steel

G Electrogalvanized

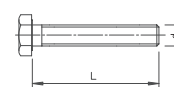


Hexagonal bolt with nut and washer

Type	Dimension mm	Pack. pcs	Weight		Item No.
			lbs/100 pcs.		
SKS 6X12 F	M 6 x 10	100	1.79		3156494
SKS 6X20 F	M 6 x 20	100	1.98		3156516
SKS 6X30 F	M 6 x 30	100	2.43		3156524

St Steel

F Hot-dip galvanized

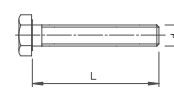


Hexagonal bolt with nut and washer

Type	Dimension mm	Pack. pcs	Weight		Item No.
			lbs/100 pcs.		
SKS 8X16 F	M 8 x 16	50	4.19		3158624
SKS 8X20 F	M 8 x 20	50	3.31		3158632
SKS 8X30 F	M 8 x 30	50	5.07		3158640

St Steel

F Hot-dip galvanized

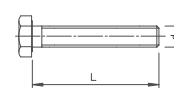


Hexagonal bolt with nut and washer

Type	Dimension mm	Pack. pcs	Weight		Item No.
			lbs/100 pcs.		
SKS 10X25 F	M 10 x 25	50	9.26		3160734
SKS 10X30 F	M 10 x 30	50	9.70		3160742
SKS 10X40 F	M 10 x 40	50	10.80		3160750
SKS 10X60 F	M 10 x 60	20	13.23		6408516
SKS 10X80 F	M 10 x 80	20	16.98		6418250
SKS 10X90 F	M 10 x 90	20	17.20		6418252
SKS 10X120 F	M 10 x 120	20	29.76		3160793

St Steel

F Hot-dip galvanized



Hexagonal bolt with nut and washer

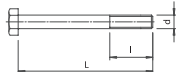
Type	Dimension mm	Pack. pcs	Weight		Item No.
			lbs/100 pcs.		
SKS 12X30 F	M 12 x 30	20	15.87		3163091
SKS 12X40 F	M 12 x 40	25	17.20		3163113
SKS 12X60 F	M 12 x 60	25	19.84		3163156

St Steel

F Hot-dip galvanized



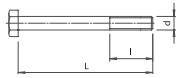
Hexagonal bolt with nut and washer



Type	Dimension mm	Dim. L inch	Dim. l inch	Dim. d inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
SKS 12x80 F	M 12 x 80	3.14	1.18	0.47	20	26.01	6418287
SKS 12x100 F	M 12 x 100	3.93	1.18	0.47	20	27.78	6418295
SKS 12x110 F	M 12 x 110	4.33	1.18	0.47	20	31.97	6418317
SKS 12x130 F	M 12 x 130	5.12	1.41	0.47	20	34.17	6408478

St Steel
F Hot-dip galvanized

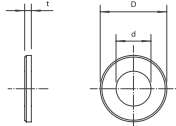
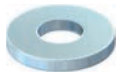
Hexagonal bolt with nut and washer, V2A



Type	Dimension mm	Dim. L inch	Dim. l inch	Dim. d inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
SKS 12x80 A2	M 12 x 80	3.14	1.18	0.47	20	26.01	6418279
SKS 12x100 A2	M 12 x 100	3.93	1.18	0.47	20	26.46	6418368
SKS 12x110 A2	M 12 x 110	4.33	1.18	0.47	20	31.97	6418376

V2A Stainless steel, A2

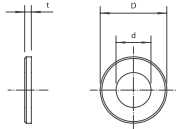
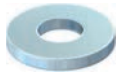
Washer



Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
966 M6 G	M6	0.25	0.47	0.06	100	0.25	3402061
966 M8 G	M8	0.33	0.63	0.06	100	0.47	3402088
966 M10 G	M10	0.41	0.79	0.08	100	0.90	3402096
966 M12 G	M12	0.51	0.94	0.10	100	1.38	3402126

St Steel
G Electrogalvanized

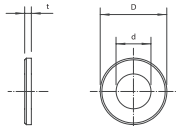
Washer



Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
966 M6 F	M6	0.26	0.47	0.06	100	0.25	3402444
966 M8 F	M8	0.35	0.63	0.06	100	0.47	3402452
966 M10 F	M10	0.43	0.79	0.08	100	0.90	3402460
966 M12 F	M12	0.53	0.94	0.10	100	1.38	3402479

St Steel
F Hot-dip galvanized

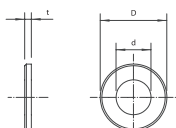
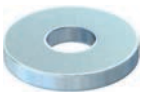
Washer, V2A



Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
966 M6 VA	M6	0.25	0.47	0.06	100	0.25	3402304
966 M8 VA	M8	0.33	0.63	0.06	100	0.47	3402312
966 M10 VA	M10	0.41	0.79	0.08	100	0.90	3402320
966 M12 VA	M12	0.51	0.94	0.10	100	1.38	3402339

V2A Stainless steel, grade 304

Washer



Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
967 M6 G	M6	0.26	1.10	0.10	100	2.54	3402207
967 M8 G	M8	0.33	1.10	0.10	100	2.43	3402215
967 M10 G	M10	0.43	1.10	0.10	100	2.25	3402223

St Steel
G Electrogalvanized

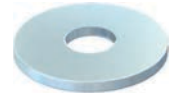
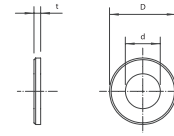


Large washer

Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN440 7 F	M6	0.26	0.87	0.08	100	1.21	6408702
DIN440 9 F	M8	0.35	1.10	0.12	100	2.96	6408710
DIN440 11 F	M10	0.43	1.34	0.12	100	4.38	6408729
DIN440 14 F	M12	0.53	1.73	0.16	50	10.44	6408737

St Steel

F Hot-dip galvanized

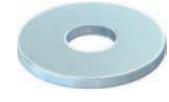
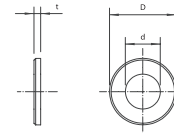


Large washer

Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
964 M4 G15 G	M4	0.17	0.59	0.05	100	0.34	3403025
964 M5 G20 G	M5	0.21	0.79	0.05	100	0.60	3403041
964 M6 G25 G	M6	0.25	0.98	0.05	100	0.91	3403084
964 M6 G30 G	M6	0.25	1.18	0.05	100	1.49	3403092
964 M6 G20 G	M6	0.25	0.79	0.06	100	0.58	3403076
964 M8 G25 G	M8	0.33	0.98	0.05	100	0.82	3403130
964 M8 G20 G	M8	0.33	0.79	0.06	100	0.53	3403122
964 M10 G30 G	M10	0.41	1.18	0.06	100	1.31	3403165

St Steel

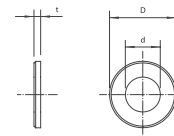
G Electrogalvanized



Large washer, V2A

Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
964 M8 G20 V2A	M8	0.33	0.79	0.06	100	0.53	3403125
964 M8 G25 V2A	M8	0.33	0.98	0.05	100	0.82	3403135
964 M8 G40 V2A	M8	0.33	1.57	0.06	100	0.82	3403145
964 M10 G30 V2A	M10	0.41	1.18	0.06	100	1.31	3403155
964 M10 G40 V2A	M10	0.41	1.58	0.06	100	1.31	3403175

V2A Stainless steel, grade 304

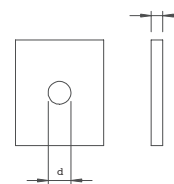


Counter plate

Type	Dimension mm	Dim. d inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
K 60 FT	50 x 60	0.55	0.26	10	33.07	6348408
K 70 FT	70 x 70	0.67	0.26	10	52.91	6348440

St Steel

FT Hot-dip galvanized

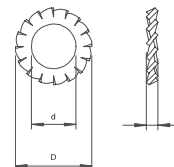


Serrated washer

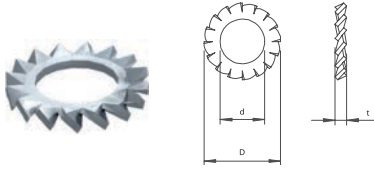
Type	Thread	Dim. d inch	Dim. D inch	Gauge (t) inch	Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN 6798 A M6 G	M6	0.25	0.43	0.08	100	0.08	3404064
DIN 6798 A M8 G	M8	0.33	0.59	0.09	100	0.18	3404080
DIN 6798 A M10 G	M10	0.41	0.71	0.11	100	0.28	3404102
DIN 6798 A M12 G	M12	0.51	0.81	0.12	100	0.35	3404129

St Steel

G Electrogalvanized



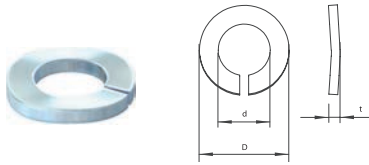
Serrated washer, V2A



Type	Thread	Dim.			Pack. pcs	Weight lbs/100 pcs.	Item No.
		d inch	D inch	Gauge (t) inch			
DIN 6798 M6 VA	M6	0.25	0.43	0.08	100	0.09	3404331
DIN 6798 M8 VA	M8	0.33	0.59	0.09	100	0.18	3404358

V2A Stainless steel, grade 304 V2A Stainless steel, grade 301

Lock washer

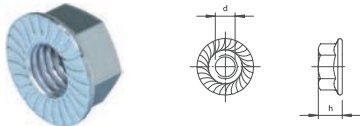


Type	Thread	Dim.			Pack. pcs	Weight lbs/100 pcs.	Item No.
		d inch	D inch	Gauge (t) inch			
DIN 128 A M6 G	M6	0.25	0.46	0.08	100	0.15	3405060
DIN 128 A M8 G	M8	0.33	0.58	0.10	100	0.29	3405087
DIN 128 A M10 G	M10	0.41	0.71	0.12	100	0.46	3405109
DIN 128 A M12 G	M12	0.49	0.83	0.14	100	0.71	3405125

St Steel

G Electrogalvanized

Flange nut

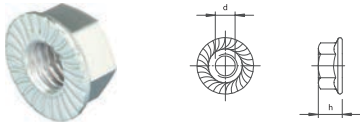


Type	Thread	Pack. pcs	Weight lbs/100 pcs.	Item No.
KM M6 F	M 6	100	0.69	6408962

St Steel

F Hot-dip galvanized G Electrogalvanized

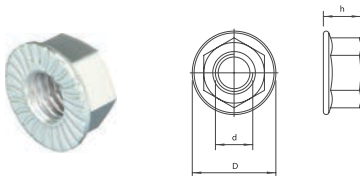
Flange nut, V2A



Type	Thread	Pack. pcs	Weight lbs/100 pcs.	Item No.
KM M6 A2	M 6	100	0.69	6408966

V2A Stainless steel, A2

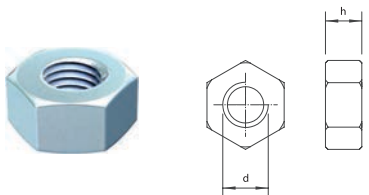
Combination nut DIN 6923, V2A



Type	Thread	Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN 6923 M8 VA	M8	100	1.76	3156120
DIN 6923 M10 VA	M10	50	2.91	3156122
DIN 6923 M12 VA	M12	50	4.63	3156126

V2A Stainless steel, grade 304

Hexagonal nut



Type	Thread	Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN 934 M6 G	M6	100	0.50	3400069
DIN 934 M8 G	M8	100	1.04	3400085
DIN 934 M10 G	M10	100	2.39	3400107
DIN 934 M12 G	M12	100	3.81	3400123

St Steel

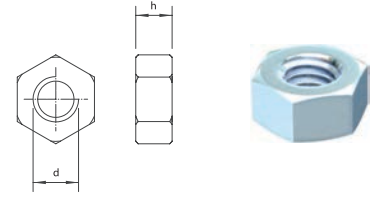
G Electrogalvanized



Hexagonal nut

Type	Thread		Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN934 M6 F	M6		100	0.55	3400344
DIN934 M8 F	M8		100	1.15	3400352
DIN934 M10 F	M10		100	2.56	3400360
DIN934 M12 F	M12		100	3.81	3400379

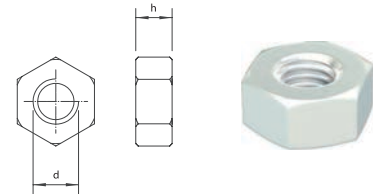
St Steel
F Hot-dip galvanized



Hexagonal nut, V2A

Type	Thread		Pack. pcs	Weight lbs/100 pcs.	Item No.
DIN 934 M6 VA	M6		100	0.55	3397068
DIN 934 M8 VA	M8		100	1.15	3397084
DIN 934 M10 VA	M10		100	2.56	3397106
DIN 934 M12 VA	M12		100	3.81	3397114

V2A Stainless steel, grade 304

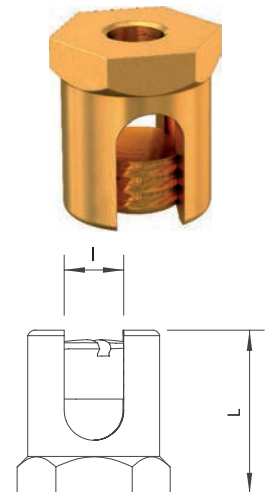


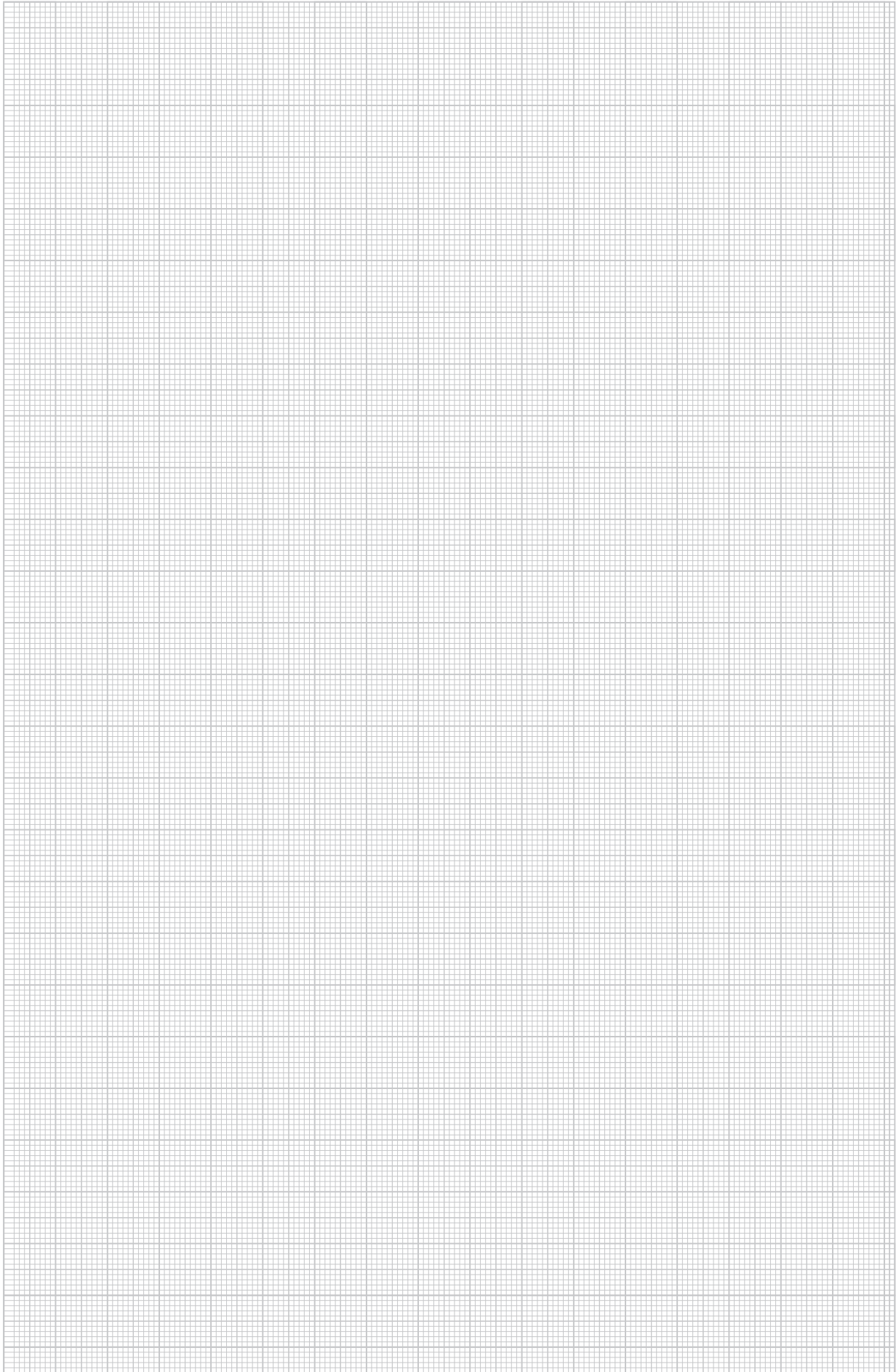
Earthing terminal

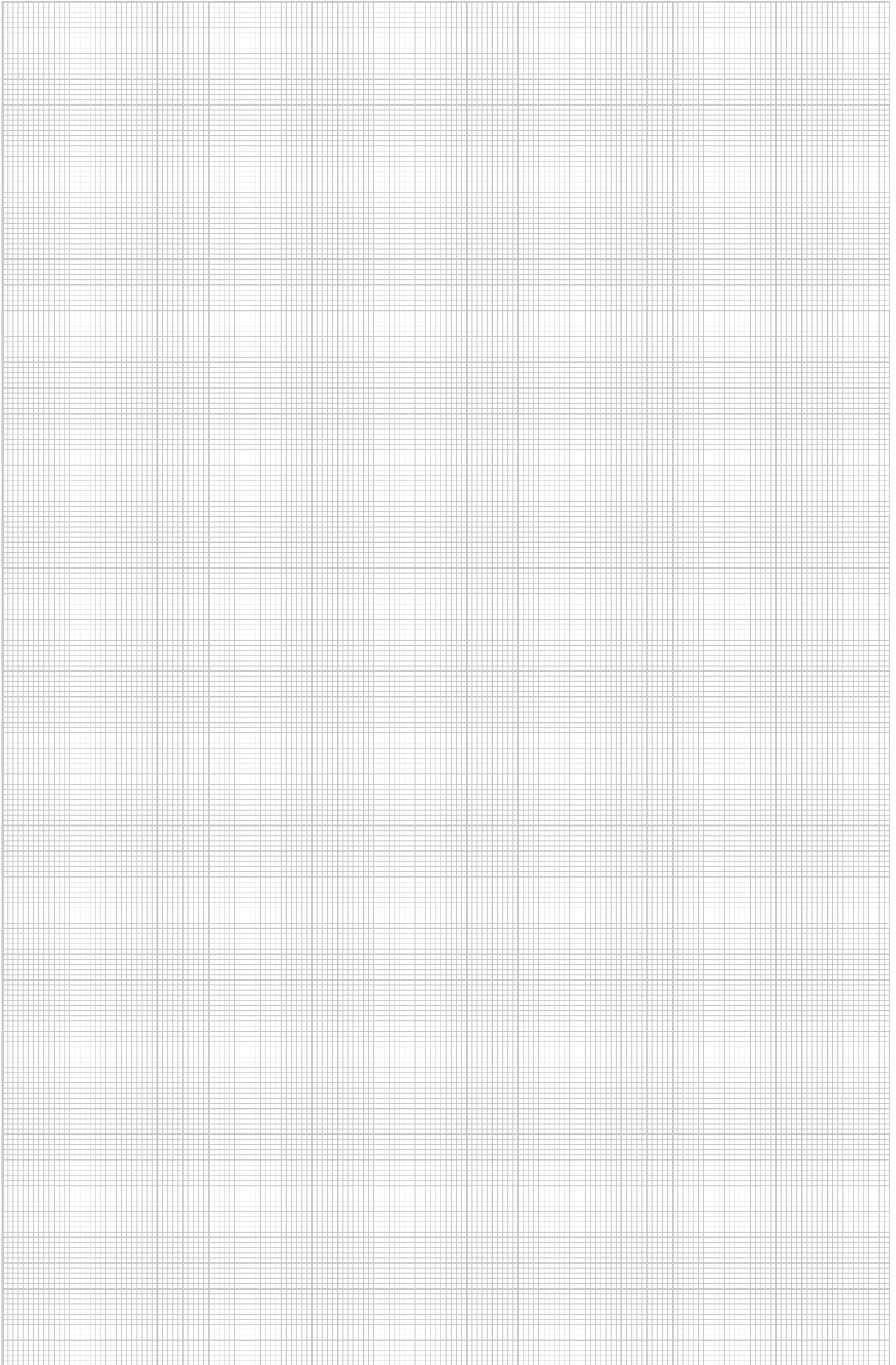
Type	Dim. L inch	Cross- section mm ²	Thread	Accessories	Pack. pcs	Weight lbs/100 pcs.	Item No.
EKL 25 M6	0.87	25	M6	—	50	6.83	6404006
EKL 35 M6	1.02	35	M6	—	50	10.58	6404014
EKL 25 M8	1.02	25	M8	With screw M8 x 10	50	8.75	6404001

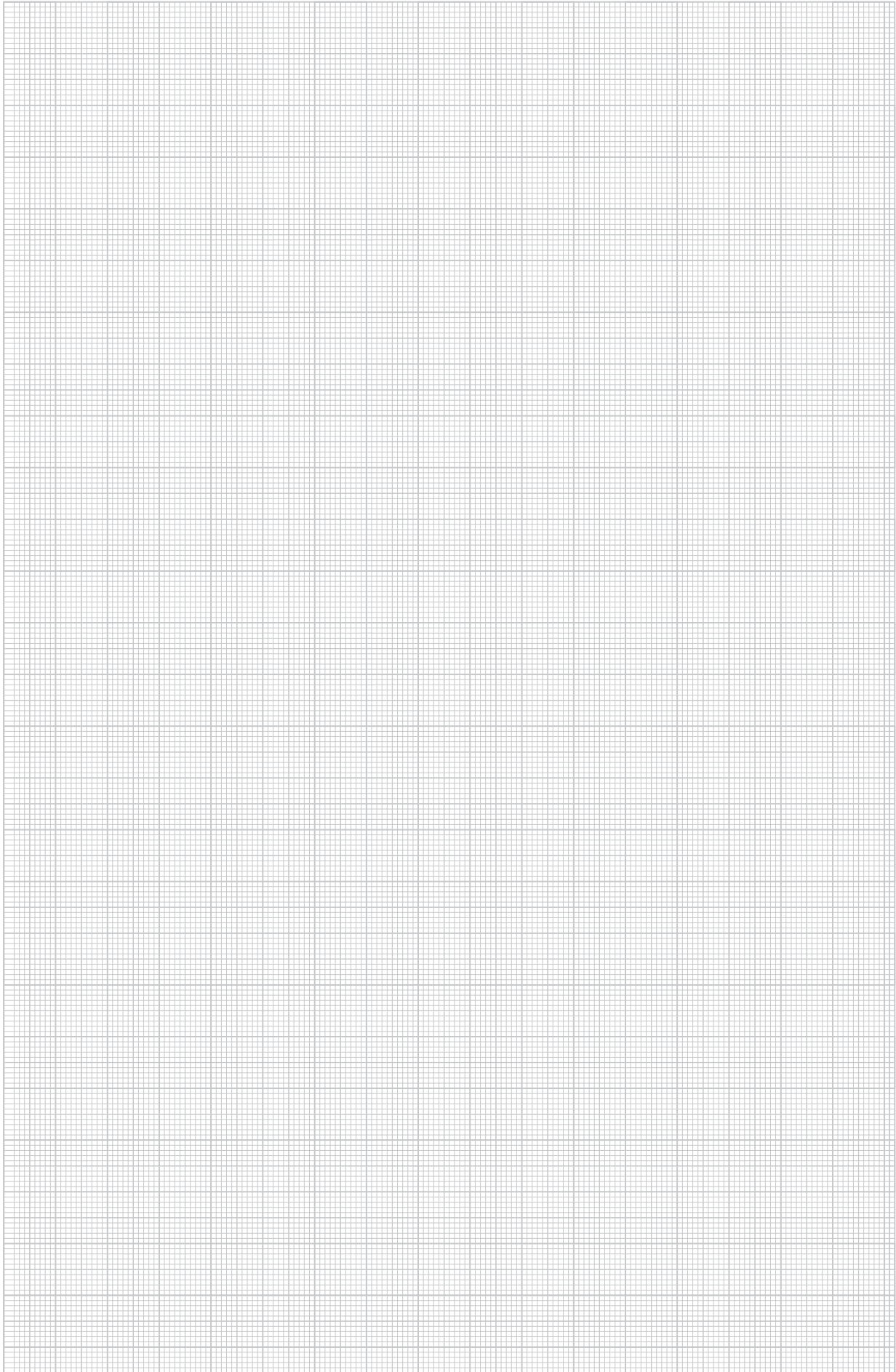
CuZn Brass

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









GENERAL TERMS AND CONDITIONS OF SALE

The terms and conditions of sale apply to any sale of products (the "Products") by Chalfant Manufacturing Company, an Ohio corporation ("Company"), and include liability and remedy limitations and warranty exclusions, including without limitation language excluding the warranty of merchantability and fitness for a particular purpose.

1. General. These general conditions, together with any nonconflicting provisions in company's quotation, are intended by the parties as the final expression, and contain the complete and exclusive statement, of the terms and conditions of this agreement superseding all previous or simultaneous communications either oral or written. Company's quotations are offers which may only be accepted in full. If Purchaser's order or other form states terms additional to or different from those set forth herein, this writing shall be deemed notification of objection to such additional or different terms. This Agreement is conditioned on Purchaser's acceptance and assent to the terms and conditions contained herein. Acceptance of this Agreement shall be deemed to have occurred at the earlier of (i) 7 days from the date specified on Company's acknowledgment form unless written objection is received by Company during such 7 day period, (ii) Company's identification of existing goods as goods to which this Agreement refers, or (iii) onset of Company's manufacture of future goods. This Agreement cannot be waived, varied, modified or amended in any manner (including subsequent conduct between the parties) except in a writing signed by Company. Any portion deemed invalid or unenforceable shall be struck and the remainder of this Agreement shall continue to be effective and binding. This Agreement shall bind and inure to the benefit of the parties and their respective successors and assigns. This Agreement is made under, and for all purposes shall be construed and enforced in accordance with and governed by, the laws of the State Ohio, excluding (i) its conflict of laws provisions and (ii) the United Nations Convention for the International Sale of Goods. All actions arising hereunder shall be instituted in Medina County, Ohio. Purchaser hereby consents to the jurisdiction of the state and federal courts sitting in Medina County.

2. Price and Payment. Unless otherwise stated, all prices for the Products are net EX Works (INCOTERMS 2000) Company's facility in Brunswick, OHIO ("EXW"), with freight and insurance for Purchaser's account, and shall be those prices in effect at the time Company accepts Purchaser's order except as provided below. As Company's prices are based upon costs and conditions (including exchange rates) existing at time of acceptance, prices are subject to increase as those conditions change, e.g. increase in price of materials and labor and exchange rate fluctuations. Prices exclude all duties, taxes, tariffs, or other charges ("Charges") which may be imposed upon the sale or use of the Products. All Charges paid by Company shall be for Purchaser's account. Any claim for exemption from Charges must be plainly designated on the face of the order and accompanied by all required exemption certificates. Payments are due net 30 days from the date of invoice, in immediately available funds, without deductions or set-off. Company may require payment to be made C.O.D. or via irrevocable letter of credit in favor of, and acceptable to, Company, established at Purchaser's expense. If payment is not made when due, Company may suspend all future delivery or other performance (including performance of warranty obligations hereunder) with respect to Purchaser without liability or penalty and, in addition to all other sums payable hereunder, Purchaser shall pay to Company (i) the reasonable costs and expenses incurred by Company in connection with all actions taken to enforce collection or to preserve and protect Company's rights hereunder, whether by legal proceedings or otherwise, including without limitation reasonable attorneys' fees, court costs and other expenses and (ii) interest on all amounts unpaid after 30 days charged at the monthly rate of 1-1/2% or the highest rate permitted by law, whichever is lower.

3. Title and Security Interest. Company reserves, and Purchaser hereby grants to and creates in favor of Company, a first priority purchase money security interest in each Product (or the equivalent under Purchaser's local law), including all component parts added by modification or repair, and all proceeds from the sale thereof, until full payment is received. Purchaser agrees to sign upon request, and hereby authorizes Company to sign on its behalf and as its attorney in fact, any documents necessary to perfect Company's security interest. Upon resale, Purchaser agrees to take, and immediately assign to Company, a perfected security interest in each Product.

4. Shipment; Delivery; Inspection. Unless otherwise agreed in writing, shipment and delivery of the Products shall be EXW. All shipment, insurance or similar charges shall be borne by Purchaser. Delivery of the Products to the first carrier shall constitute delivery to Purchaser, whereupon risk of loss is transferred to Purchaser, and all claims for loss or damage in transit or for non-delivery shall be made by Purchaser against the carrier. At Company's option, Products may be shipped in advance of the requested shipment date or in installments. Unless agreed to otherwise in writing on the face of the applicable purchase order by the General Manager of Company (the "Company Representative"), all delivery information (including time for shipment) is approximate. Company's sole responsibility is to use reasonable commercial efforts to meet specified shipment dates. Purchaser expressly absolves Company from any liability for any loss or damage resulting from a failure to deliver or delays in delivery caused by any conditions related to, or caused by, failure to process or inaccurate processing of time-sensitive information and/or mechanisms, a labor dispute (e.g. strike, slowdown or lockout), fire, flood, governmental act or regulation (e.g. denial of export licenses), riot, inability to obtain supplies or shipping space, plant breakdown, power failure, delay or interruption of carriers, accidents, acts of God or other causes beyond Company's control. Notwithstanding the above, company shall not be liable for any damage or penalties whatsoever, whether indirect, incidental, special or consequential, resulting from company's failure to deliver or delay in delivery for any reason. Within 5 business days of receipt, Purchaser shall inspect the Products. Unless Purchaser notifies Company in writing of any nonconformities within 10 business days of receipt, Purchaser shall be deemed to have accepted the Products without qualification, and cannot, thereafter, reject any Products. Once used or installed, Products are deemed to be fully conforming to this Agreement.

5. Cancellation, Failure to Take Delivery. This Agreement cannot be canceled or postponed by Purchaser except with Company's consent and upon terms that will indemnify Company against loss. If Purchaser cancels all or part of an order for special, non-standard Products ("Specials"), Purchaser shall pay Company the greater of an amount equal to (i) 100% of the price for such cancelled Specials, or (ii) the actual and consequential damages incurred by Company, including without limitation Company's anticipated profit and expenses already incurred by Company. If Purchaser cancels all or part of an order for standard Products ("Standard Products"), Purchaser shall pay Company the greater of an amount equal to (i) 50% of the price for such cancelled Standard Products, or (ii) the actual and consequential damages incurred by Company, including without limitation Company's anticipated profit and expenses already incurred by Company. [In the event the Purchaser requests an extension of the delivery date and Company, in its sole discretion, agrees to extend such date, Company may place such Products either at Company's warehouse in Elyria, OH or in King of Prussia, PA or at an off-site location. In such events, (a) if storage is at an off-site location, all costs incurred by Company in connection with such storage, including, without limitation, costs of preparing such Product for storage, placement into storage, handling, storage/demurrage, inspection, preservation and insurance (or if storage shall be at Company's warehouses, then up to five percent (5%) of the total price of the Products being stored for each month (or portion thereof) of storage), shall be due and payable by Purchaser upon receipt by Purchaser of Company's invoices therefore, and (b) Company's delivery obligations shall be deemed fulfilled and title and all risk of loss or damage to such Products shall thereupon pass to Purchaser, if it has not already passed, and (c) when conditions permit and upon payment of all amounts due hereunder, Company shall arrange, on behalf of Purchaser, and at the cost of Purchaser, for shipment to a destination mutually acceptable to Company and Purchaser.

6. Limited Warranty. Subject to the warranty limitation set forth in Section 7, Company warrants that the Products sold hereunder will be free from defects in material and workmanship for one year after shipment EXW, under normal and proper use and service. Drawings prepared by Company and approved by Purchaser shall be deemed the correct interpretations of the work to be performed even if inconsistent with the plans and specifications. Upon resale, Purchaser agrees to extend to its customers no greater warranties, and limit its liability and remedies to the same extent, as those set forth herein.

7. Warranty Limitation. The warranty and remedies for breach of warranty provided for in these General Conditions extend only to the original installation and do not cover, and Company shall not be liable for, (i) abnormal wear and tear or damage caused by installation, maintenance, or use which is improper or contrary to the instructions published by Company, (ii) storage of Products in a wet or damp area or unprotected from weather and other job conditions, (iii) any cause beyond the control of Company, including without limitation conditions caused by movement, settlement or structural defects of the environment in which the Products are installed, fire, wind, hail, flood, lightning or other acts of God, any conditions related to, or caused by, failure to process or inaccurate processing of time-sensitive information and/or mechanisms, intentional acts, accidents, negligence or exposure to harmful chemicals, pollutants or other foreign matter or energy, (iv) repair or damage caused by anyone except personnel authorized by Company, (v) any damage to the finish of the Products after they leave Company's facility, or (vi) any discoloration or spotty appearance of the Products. Items repaired or replaced and designs corrected under warranty are warranted only for the remainder of the original warranty period. All Product literature is for illustrative purposes only and does not contain a warranty of any kind. Company's advice relating to the technical usage of the Products or the intellectual property rights of others, whether provided orally or in writing or through the provision of test results, is given in accordance with Company's best knowledge at that time, but shall at all times be deemed to be non-binding. Such advice does not relieve Purchaser from the obligation, and Purchaser accepts full responsibility, to confirm for himself the suitability of the Products for the intended purpose(s). The warranty set forth in section 6 is strictly limited to its terms and is in lieu of all other warranties, guarantees, express or implied, arising by operation of law, course of dealing, usage of trade or otherwise, specifically excluding any implied warranties of merchantability or fitness for a particular purpose.

8. Remedy. Purchaser's sole and exclusive remedy, and Company's only obligation for breach of warranty hereunder, shall be, at Company's option in its sole discretion, to (i) repair or replace the defective Product which fails within the one year warranty period, free of charge, provided that Purchaser promptly notifies Company of such failure and, after receipt of prior written authorization from Company, returns such Product to the place requested by Company, freight prepaid, and thereupon Company finds such to be defective or (ii) issue a credit equal to the price of the defective Product which fails within the one year warranty period. Purchaser must pay all related costs of repair or replacement, including removal, installation or reinstallation costs. Company's personnel must be granted access to inspect the Products claimed to be defective at the site of their installation or use.

9. Disclaimer; Limitation of Liability, Time For Claims. Purchaser agrees that Company and its affiliates shall not be liable for any incidental, special, indirect or consequential or other similar damages including but not limited to loss of profit or revenues, damage for loss of use of the Products, damage to property, claims of third parties, including personal injury or death on account of use of the Products or failure of Company to warn against or instruct on, or adequately warn against or instruct on, the dangers of the Products or the safe and proper use of the Products, whether or not Company has been advised of the potential for such damages. Company's total liability hereunder from any cause whatsoever (except liability from personal injury caused by Company's negligence), whether arising under contract, warranty, tort (including negligence), strict liability, products liability or any other theory of liability, will be limited to the lesser of Purchaser's actual damages or the price paid to Company for the Products that are the subject of Purchaser's claim. All claims against Company must be brought within one year after the cause of action arises, and Purchaser expressly waives any longer statute of limitations.

10. Specifications, Intellectual Property. Company assumes no liability for any errors or omissions in any specifications provided or required by Purchaser ("Purchaser Specifications"), including any errors or omissions made by Company in interpreting Purchaser Specifications. Purchaser Specifications not listed and priced by Company are not part of this Agreement. Purchaser agrees, at its own expense, to defend, indemnify and hold harmless Company, its officers, agents, employees and principals, against any and all losses, costs, including investigation costs, damages, claims, liabilities or expenses of any kind, including without limitation reasonable attorneys' fees, arising out of or resulting from, directly or indirectly, any claims of violation of proprietary rights of third parties due to, or injury or death to persons or damage to property caused by, Purchaser Specifications. Company retains all copyrights and other ownership rights with respect to all drawings, models, plans, software, samples, and other documentation (collectively "Company Documentation"). Company Documentation may not be copied or disclosed to others without Company's express written consent and must be promptly returned to Company (i) if an order is not placed or (ii) at Company's request. If an order is not placed in response to Company Documentation, Company is entitled to reasonable compensation.

11. Exports. Purchaser warrants that it is and will remain in compliance with all export and reexport requirements, laws and regulations of the United States of America and any other applicable export and reexport laws and regulations.

12. Change Orders. Any changes to an order requested by the Purchaser shall only be effective upon the written consent thereto, signed by the Company Representative.

Installation

of any of the displaced or listed products should be performed only by properly qualified and trained personnel in compliance with all applicable national, state and local electrical standards, building codes, and other laws and regulations. Proper installation and product selection must take into consideration conditions and materials at the installation site, environmental conditions, manufacturer established parameters for the use of the relevant product. The buyer and installer are responsible for selecting the appropriate product for their application. Failure to comply with the manufacturer instructions or usage parameters, including cutting or modifying any of the products, may result in reduced product life or product failure, potentially resulting in damage to person and property, and will void any manufacturer warranty or approvals, certifications, listings which the product was designed and tested for.

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Building Connections