



# CABLE TRAY SYSTEMS





## Steel

- B** Steel, bare
- V** Steel, galvanized according to DIN 50 961, blued
- G** Steel, galvanized according to DIN 50 961, passivated
- S** Steel, pre-galvanized according to DIN EN 10 327
- F** Steel, hot dip galvanized after fabrication (HDGAF) according to DIN EN ISO 1461 (Replacement for DIN 50 976)
- FD** Steel, hot dip galvanized after fabrication (HDGAF), double dip method
- SB** Steel, black-oxide finish
- C** **COLOR** Steel, pre-galvanized and powdercoated



## Stainless Steel

- E1** Material Code.: 1.4016
- E2** Material Code.: 1.4310 (AISI 304)
- E3** Material Code.: 1.4301 (AISI 304)
- E4** Material Code.: 1.4401, 1.4404
- E5** Material Code.: 1.4571 (AISI 316)
- E6** Material Code: 1.4529
- E7** Material Code.: 1.4547
- E8** Material Code.: 1.4430
- E9** Material Code.: 1.4362

**AL** Aluminum (N = naturally anodized, \* = powdercoated in RAL colors)

**P** Electrotechnical Porcelain

**MS** Brass

**CU** Copper

## Plastics

- K01** PA - Polyamide, non halogen
- K02** PS - Polystyrene, non halogen, impact resistant
- K03** PE - Polyethylene, non halogen
- K04** PP - Polypropylene, non halogen
- K05** PC - Polycarbonate, non halogen
- K06** SBR/NBR - Styrene-Butadiene/Nitrile Rubber
- K07** CR - Chloroprene Rubber
- K08** NBR - Nitrile Rubber
- K09** PVC hard - Hard Polyvinylchloride
- K10** PVC - Polyvinylchloride
- K11** ABS - Acrylonitrile-Butadiene-Styrene
- K12** ASA - Acrylate-Styrol-Acrylonitrile Copolymer
- K13** PC/ABS - Polycarbonate/Acrylonitrile-Butadiene-Styrene
- K14** POM - Polyacetal
- K15** SBR - Styrene-Butadiene Rubber
- K16** CR/NBR - Chloroprene/Nitrile Rubber
- K17** CR/SBR - Chloroprene/Styrene-Butadiene Rubber
- K18** TPE - Thermoplastic Elastomer
- K19** FS 31 - Phenolic Resin
- K20** SI - Silicone Rubber
- K21** PUR - Polyurethane

New

Info

Installation Instructions

Reference Note

Hardware

Fast Install

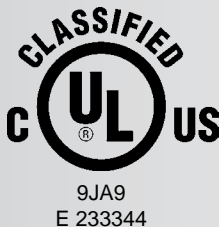
35 Siderail Height in mm

1 Wire Diameter in mm

Phase Out Model

For worldwide product identification add 40 13339 (Niedax/Germany) in front of the **EAN** Codes listed in the catalog section.

All Cable Tray and Ladder Products listed in this catalog (other than KRC/KRO ladder) are



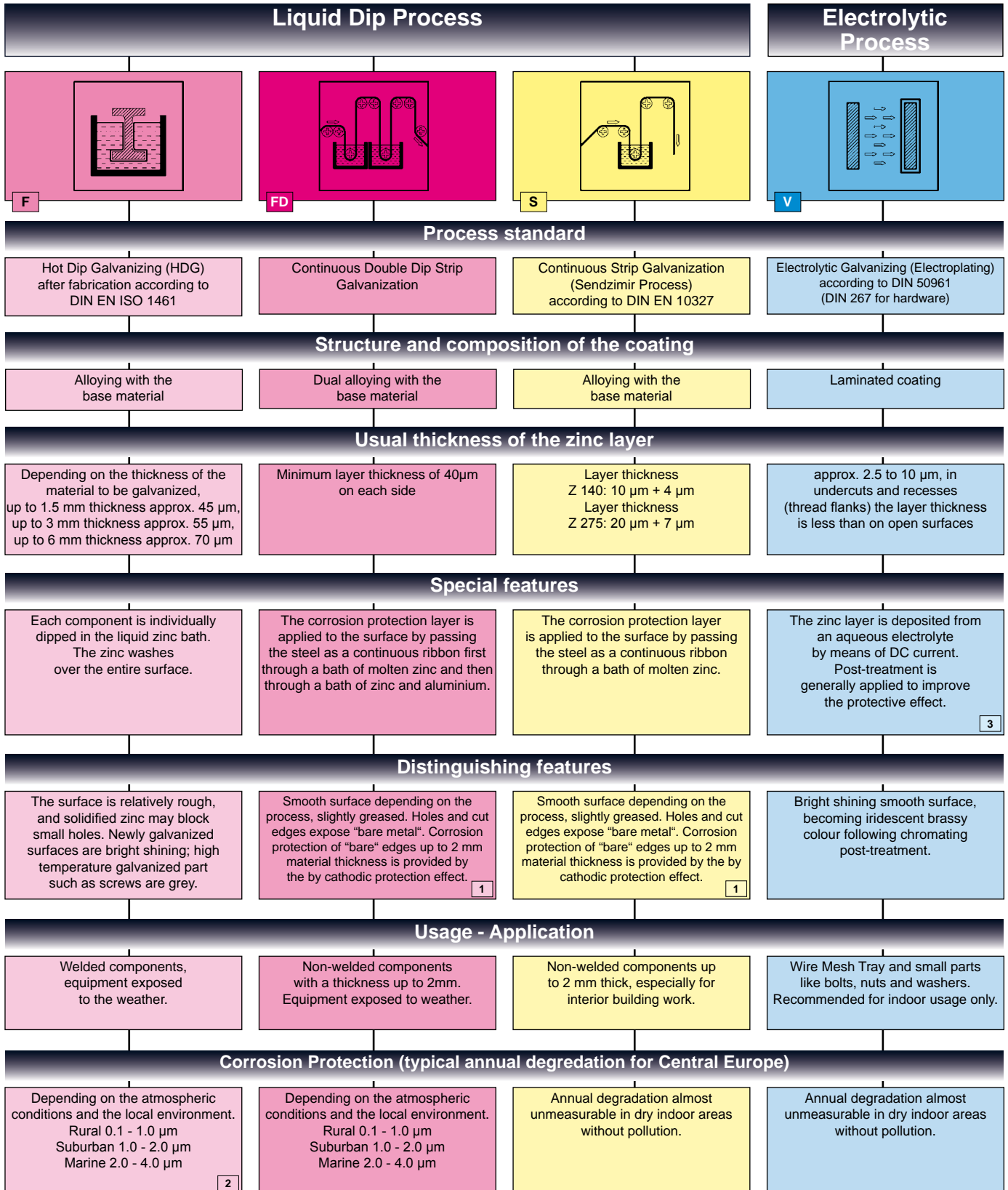
Cable Tray System Products are classified by UL in accordance to NEMA VE1-1998 for USA and CAN/CSA - C22.2 No. 126.1-98 for Canada



Surface Metal Raceway System Products are listed by UL in accordance to UL 5 for USA and CAN/CSA - C22.2 No. 62-93 for Canada

**Important notice:** The information herein has been carefully checked for accuracy and is believed to be correct and current. No warranty, either expressed or implied, is made as to either its applicability to or its compatibility with specific requirements of this information, nor for damages consequential to its use. All design characteristics, specifications, tolerances and similar information are subject to change without notice.

# Galvanizing Processes



**1** Components over 2 mm in material thickness are hot dip galvanized at NIEDAX

**2** Local environmental conditions would be for instance the direct corrosive effect of a chimney with CO<sub>2</sub> flue gases.

**3** Chromating process is ROHS compliant.



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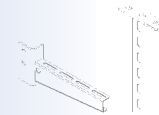
### General Information

- Material Handling
- Finishes
- Corrosion Protection
- Installation Instructions



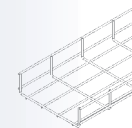
### Support System

- Hangers
- Brackets
- Profiles
- Head Plates



### Wire Mesh Tray System

- Wire Mesh Trays
- Barrier Strips
- Covers
- Accessories



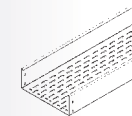
### Cable Tray System

- Cable Trays
- Fittings
- Barrier Strips
- Covers
- Accessories



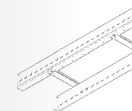
### Walkable Cable Tray System

- Cable Trays
- Fittings
- Barrier Strips
- Covers
- Accessories



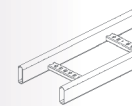
### Cable Ladder System

- Cable Ladders
- Fittings
- Barrier Strips
- Covers
- Accessories



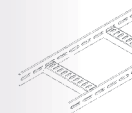
### Allround Cable Ladder System

- Cable Ladders
- Fittings
- Covers
- Accessories



### Marine Cable Ladder System

- Cable Ladders
- Fittings
- Splice Plates
- Rungs



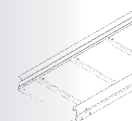
### Vertical Cable Ladder System

- Vertical Cable Ladders
- Accessories
- Splice Plates



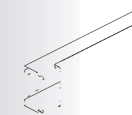
### Long Span System

- Long Span Cable Trays
- Long Span Cable Ladders
- Fittings
- Accessories



### Surface Metal Raceway

- Surface Metal Raceways
- Covers
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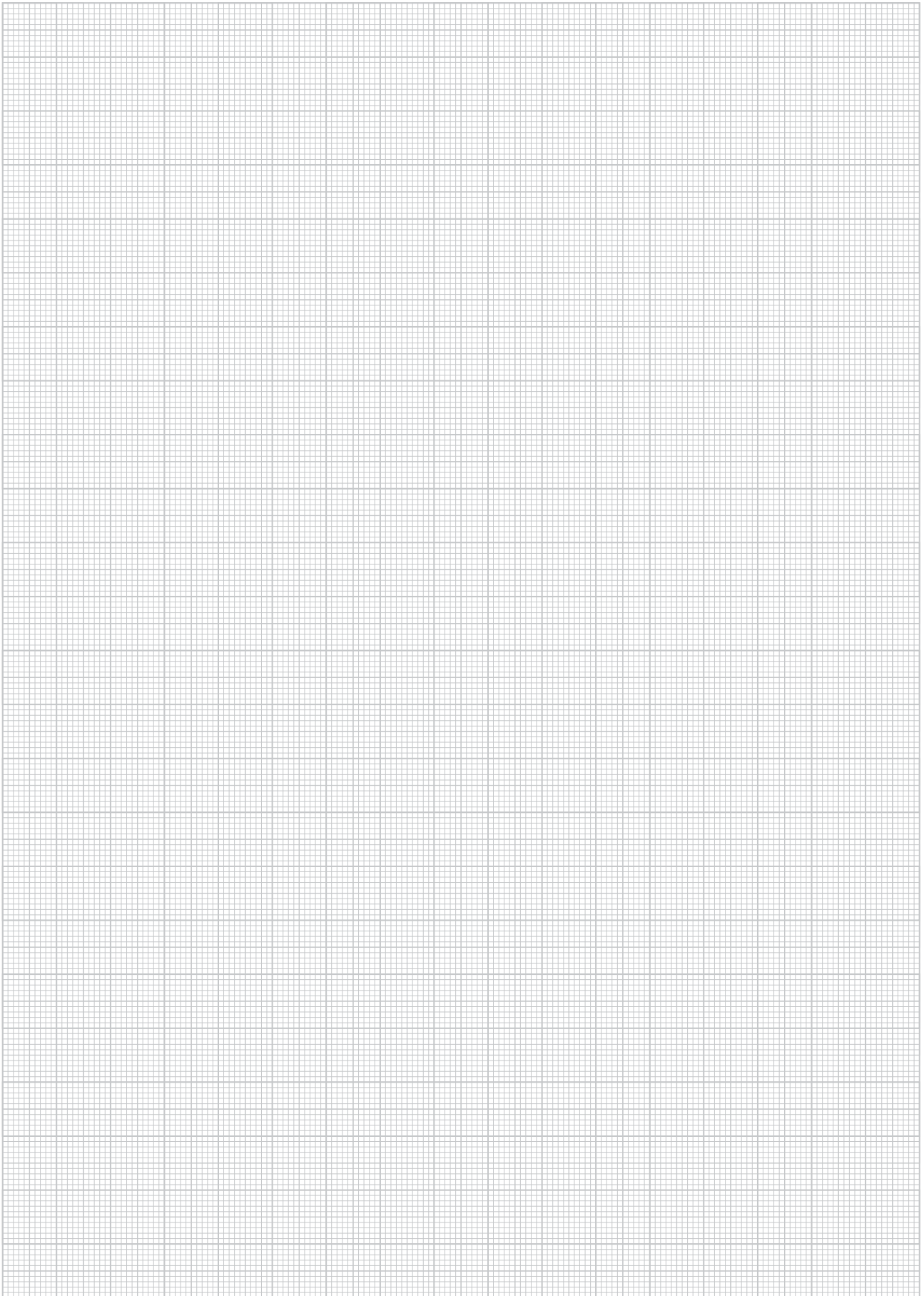
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BU 30/2 E3	759507	132	FLM 6 X 16 F	206506	121	GRS 110.450 E3	934041	145
BU 30/3	068906	133	FLM 8 X 13 F	206605	121	GRS 110.450 F	933976	145
BU 34	065400	131	FLM 8 X 16 E3	343843	121	GRS 110.600	930555	145
BU 34 AL	075904	131	FLM 8 X 16 F	206704	121	GRS 110.600 E3	930777	145
BU 34 E3	758302	131	FLM 8 X 16 F	206704	153	GRS 110.600 F	930616	145
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BU 42 AL	076109	131	GR 35.300	279548	142	GRS 160.450 F	934027	146
BU 42 E3	758500	131	GR 35.300 F	909162	142	GRS 160.600	930661	146
BU 42/2	067701	132	GR 35.400 F	909186	142	GRS 160.600 E3	930883	146
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BU 50 E3	758708	131	GR 60.150 F	870813	143	GRS 60.150 E3	801176	144
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BU 58 AL	076505	131	GR 60.400	279593	143	GRS 60.300 F	892280	144
BU 58 E3	758906	131	GR 60.400 E3	343782	143	GRS 60.400	782000	144
BU 64	066100	131	GR 60.400 F	870868	143	GRS 60.400 E3	903542	144
BU 64 AL	076604	131	GR 60.500	870707	143	GRS 60.400 F	892303	144
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LZTP 200 E3	840458	357	RA 60.600 F	540785	190	RBAD 150	264605	226
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M 10/130	202300	119	RA 85.400	243365	204	RBAD 200 F	554706	226
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M 10/200	202409	119	RA 85.500	243372	204	RBAD 300	264902	226
M 10/2000	203406	120	RA 85.500 F	546770	204	RBAD 300 F	554904	226
M 10/300	202508	119	RA 85.600	243389	204	RBAD 400	265008	226
M 10/400	202607	119	RA 85.600 F	546787	204	RBAD 400 F	555000	226
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M 10/600	202805	119	RAW 110.100	764204	243	RBAD 500 F	555109	226
M 10/700	202904	119	RAW 110.100 E3	840823	218	RBAD 550	265206	226
M 10/800	203000	119	RAW 110.100 F	765201	218	RBAD 550 F	555208	226
M 10/90	202201	119	RAW 110.300	764600	218	RBAD 600	265305	226
M 10/900	203109	119	RAW 110.300	764600	243	RBAD 600 F	555307	226
M 12/1000	345809	120	RAW 110.300 E3	840908	218	RBADV 100	275106	226
M 12/1000 E3	841608	120	RAW 110.300 F	765607	218	RBADV 100 F	555406	226
M 12/200	203512	120	RAW 35.100	219339	175	RBADV 150	275205	226
M 12/300	203529	120	RAW 35.300	219377	175	RBADV 150 F	555505	226
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M 12/800	203574	120	RAW 60.300	763603	191	RBADV 300	275502	226
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M 8/1000	203505	119	RAW 60.300 F	540754	191	RBADV 400	275601	226
M 8/200	202003	119	RAW 85.100	243334	204	RBADV 400 F	555901	226
M 8/500	202102	119	RAW 85.100 F	546732	204	RBADV 500	275700	226
NKB 8X2	872091	237	RAW 85.300	243358	204	RBADV 500 F	556007	226
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RA 110.050	764105	243	RBA 110.100 F	547401	217	RBADV 600	275908	226
RA 110.050 E3	840809	218	RBA 110.150	251254	217	RBADV 600 F	556205	226
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RA 110.400	764808	243	RBA 35.300	214105	174	RBAS 110.400	862566	241
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RA 60.350	763702	190	RBA 85.300 F	541607	202	RBAV 85.300	923700	202
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RESD 200 F	556502	227	RFD 110.300	927760	220	RGE 60.600 F	540303	191
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RESD 600	266500	227	RFD 60.300	844364	192	RGE 85.500 F	546206	204
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RESDV 100 F	557202	227	RFD 85.200	927623	205	RGS 110.150	255450	219
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RESDV 150	276301	227	RFD 85.400	927661	205	RGS 110.200	255504	219
RESDV 150 F	557301	227	RFD 85.500	927685	205	RGS 110.200 F	551309	219
RESDV 200	275007	227	RFD 85.600	927708	205	RGS 110.300	255603	219
RESDV 200 E3	338504	227	RFDDV 110.100	927968	230	RGS 110.300 F	551408	219
RESDV 200 F	557400	227	RFDDV 110.150	927975	230	RGS 110.400	255702	219
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RSUS 110.200OV	861620	236	RTA 85.100 F	542604	202	RTAKDV 75	277001	168
RSUS 110.300OV	861644	236	RTA 85.200	239108	202	RTAS 110.100	862801	240
RSUS 110.400OV	861668	236	RTA 85.200 F	542703	202	RTAS 110.200	862825	240
RSUS 110.500OV	861675	236	RTA 85.300	239207	202	RTAS 110.300	862849	240
RSUS 110.600OV	861699	236	RTA 85.300 F	542802	202	RTAS 110.400	862856	240
RSUS 60.100OVF	915255	184	RTA 85.400	239306	202	RTAS 110.500	862863	240
RSUS 60.200OVF	915279	184	RTA 85.400 F	542901	202	RTAS 110.600	862887	240
RSUS 60.300OVF	915293	184	RTA 85.500	239405	202	RTL 110.150	793815	221
RSUS 60.400OVF	915316	184	RTA 85.500 F	543007	202	RTL 110.200	793822	221
RSUS 60.500OVF	915330	184	RTA 85.600	239504	202	RTL 110.300	793846	221
RSUS 60.600OVF	915354	184	RTA 85.600 F	543106	202	RTL 110.400	793860	221
RSUV 110-1.5	862009	239	RTAD 100	266906	224	RTL 110.500	793884	221
RSV 110.100	259069	213	RTAD 100 F	558100	224	RTL 110.550	793907	221
RSV 110.100 F	553655	213	RTAD 120	266951	224	RTL 35.100	792900	176
RSV 110.150	259106	213	RTAD 150	267002	224	RTL 35.150	792924	176
RSV 110.150 F	553709	213	RTAD 150 F	558209	224	RTL 35.200	792948	176
RSV 110.200	259205	213	RTAD 200	267101	224	RTL 35.250	792962	176
RSV 110.200 F	553808	213	RTAD 200 F	558308	224	RTL 35.300	792986	176
RSV 110.300	259304	213	RTAD 250	267200	224			



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RTL 35.400	793006	176	RTS 60.400	229307	190	RTSS 110.300	862948	242
RTL 60.070	855506	193	RTS 60.400 F	538300	190	RTSS 110.400	862962	242
RTL 60.100	793204	193	RTS 60.500	229406	190	RTSS 110.500	862979	242
RTL 60.120	855520	193	RTS 60.500 F	538409	190	RTSS 110.600	862993	242
RTL 60.150	793211	193	RTS 60.600	229505	190	RTU 35.050	198009	125
RTL 60.200	793228	193	RTS 60.600 F	538508	190	RTU 35.100	198306	125
RTL 60.250	793235	193	RTS 85.100	240609	203	RTU 35.150	198405	125
RTL 60.300	793242	193	RTS 85.100 F	544004	203	RTU 35.200	198504	125
RTL 60.400	793266	193	RTS 85.200	240708	203	RTU 35.250	198603	125
RTL 60.500	793280	193	RTS 85.200 F	544103	203	RTU 35.300	198702	125
RTL 60.600	793303	193	RTS 85.300	240807	203	RTU 50.050	198108	125
RTL 85.100	793501	206	RTS 85.300 F	544202	203	RTU 50.075	198207	125
RTL 85.200	793525	206	RTS 85.400	240906	203	RTU 60.070	198757	125
RTL 85.300	793549	206	RTS 85.400 F	544301	203	RTU 60.100	198801	125
RTL 85.400	793563	206	RTS 85.500	241002	203	RTU 60.100 F	535125	125
RTL 85.500	793587	206	RTS 85.500 F	544400	203	RTU 60.120	198856	125
RTL 85.600	793600	206	RTS 85.600	241101	203	RTU 60.150	198900	125
RTPH 50	231973	173	RTS 85.600 F	544509	203	RTU 60.200	199006	125
RTPH 50	231973	187	RTSD 100	268108	228	RTU 60.200 F	535149	125
RTPH 50	231973	201	RTSD 100 F	559909	228	RTU 60.250	199105	125
RTPH 50	231973	215	RTSD 150	268207	228	RTU 60.300	199204	125
RTQ 110.100	793921	221	RTSD 150 F	560004	228	RTU 60.300 F	535163	125
RTQ 110.150	793938	221	RTSD 200	268306	228	RTV 110 E2	251162	148
RTQ 110.200	793945	221	RTSD 200 F	560103	228	RTV 110 E2	251162	215
RTQ 110.300	793969	221	RTSD 250	268405	228	RTV 110 E2	251162	317
RTQ 110.400	793983	221	RTSD 300	268504	228	RTV 110 E2	251162	321
RTQ 110.500	794003	221	RTSD 300 F	560301	228	RTV 110 E2	251162	335
RTQ 110.550	794027	221	RTSD 400	268603	228	RTV 110 E2	251162	342
RTQ 35.100	793020	177	RTSD 400 F	560400	228	RTV 35 E2	213658	148
RTQ 35.150	793044	177	RTSD 500	268702	228	RTV 35 E2	213658	173
RTQ 35.200	793068	177	RTSD 500 F	560509	228	RTV 35 E2	213658	255
RTQ 35.250	793082	177	RTSD 550	268801	228	RTV 35 E2	213658	279
RTQ 35.300	793105	177	RTSD 550 F	560608	228	RTV 50 E2	224999	148
RTQ 35.400	793129	177	RTSD 600	268900	228	RTV 50 E2	224999	187
RTQ 60.070	855544	193	RTSD 600 F	560707	228	RTV 60 E2	225149	148
RTQ 60.100	793327	193	RTSDV 100	277902	228	RTV 60 E2	225149	187
RTQ 60.120	855568	193	RTSDV 100 F	560806	228	RTV 85 E2	237753	148
RTQ 60.150	793334	193	RTSDV 150	278008	228	RTV 85 E2	237753	201
RTQ 60.200	793341	193	RTSDV 150 F	560905	228	RTV 85 E2	237753	265
RTQ 60.250	793358	193	RTSDV 200	274703	228	RTV 85 E2	237753	311
RTQ 60.300	793365	193	RTSDV 200 F	561001	228	RTV 85 E2	237753	330
RTQ 60.400	793389	193	RTSDV 250	278107	228	RV 110.100	273607	214
RTQ 60.500	793402	193	RTSDV 300	278206	228	RV 110.100 E3	920303	214
RTQ 60.600	793426	193	RTSDV 300 F	561209	228	RV 110.100 F	553105	214
RTQ 85.100	793624	206	RTSDV 400	278305	228	RV 110.150	273652	214
RTQ 85.200	793648	206	RTSDV 400 F	561308	228	RV 110.150 F	553150	214
RTQ 85.300	793662	206	RTSDV 500	278404	228	RV 110.200	273706	214
RTQ 85.400	793686	206	RTSDV 500 F	561407	228	RV 110.200 E3	920310	214
RTQ 85.500	793709	206	RTSDV 550	278503	228	RV 110.200 F	553204	214
RTQ 85.600	793723	206	RTSDV 550 F	561506	228	RV 110.300	273805	214
RTS 110.100	254200	217	RTSDV 600	278602	228	RV 110.300 E3	920327	214
RTS 110.100 F	550005	217	RTSDV 600 F	561605	228	RV 110.300 F	553303	214
RTS 110.150	254255	217	RTSDVS 100	863907	243	RV 110.400	273904	214
RTS 110.150 F	550050	217	RTSDVS 200	863921	243	RV 110.400 E3	920334	214
RTS 110.200	254309	217	RTSDVS 300	863945	243	RV 110.400 F	553402	214
RTS 110.200 F	550104	217	RTSDVS 400	863969	243	RV 110.500	274000	214
RTS 110.300	254408	217	RTSDVS 500	863976	243	RV 110.500 E3	920341	214
RTS 110.300 F	550203	217	RTSDVS 600	863990	243	RV 110.500 F	553501	214
RTS 110.400	254507	217	RTSDVSR 100	864102	243	RV 110.550	274109	214
RTS 110.400 F	550302	217	RTSDVSR 200	864126	243	RV 110.550 E3	920358	214
RTS 110.500	254606	217	RTSDVSR 300	864140	243	RV 110.550 F	553600	214
RTS 110.500 F	550401	217	RTSDVSR 400	864164	243	RV 35.050	211401	165
RTS 110.550 F	550500	217	RTSDVSR 500	864171	243	RV 35.050 F	871506	165
RTS 35.100	216505	175	RTSDVSR 600	864195	243	RV 35.100	271108	172
RTS 35.150	216604	175	RTSK 35.050	211005	169	RV 35.150	271207	172
RTS 35.200	216703	175	RTSK 35.050 F	893546	169	RV 35.200	271306	172
RTS 35.250	216802	175	RTSK 50.050	211104	169	RV 35.250	271405	172
RTS 35.300	216901	175	RTSK 50.050 F	893607	169	RV 35.300	271504	172
RTS 35.400	217007	175	RTSK 50.075	211203	169	RV 35.400	271603	172
RTS 60.100	228805	190	RTSK 50.100	211302	169	RV 50.050	211500	165
RTS 60.100 F	538003	190	RTSKD 100	268009	169	RV 50.050 F	837601	165
RTS 60.150	228904	190	RTSKD 50	267804	169	RV 50.075	211609	165
RTS 60.150 F	538058	190	RTSKD 75	267903	169	RV 60.100	271702	184
RTS 60.200	229000	190	RTSKDV 100	274604	169	RV 60.100 E3	336159	184
RTS 60.200 F	538102	190	RTSKDV 50	274406	169	RV 60.100 F	540808	184
RTS 60.250	229109	190	RTSKDV 75	274505	169	RV 60.120	271757	184
RTS 60.300	229208	190	RTSS 110.100	862900	242	RV 60.150	271801	184
RTS 60.300 F	538201	190	RTSS 110.200	862924	242	RV 60.150 F	540853	184

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RV 60.200	271900	184	RW 35 F	213603	279	SMU 12	344406	120
RV 60.200 E3	920259	184	RW 35 FD	213627	279	SMU 12 E3	344284	120
RV 60.200 F	540907	184	RW 50	224951	148	SMU 8	203604	120
RV 60.250	272006	184	RW 50	224951	187	SPCKL 86/1000F	924981	297
RV 60.300	272105	184	RW 50 E3	333356	148	SPCKL 86/1100F	925001	297
RV 60.300 E3	920266	184	RW 50 E3	333356	187	SPCKL 86/1200F	925025	297
RV 60.300 F	541003	184	RW 60	225002	148	SPCKL 86/200 F	924820	297
RV 60.400	272204	184	RW 60	225002	187	SPCKL 86/200E3	926060	298
RV 60.400 E3	920273	184	RW 60	225002	371	SPCKL 86/300 F	924844	297
RV 60.400 F	541102	184	RW 60 E3	333400	187	SPCKL 86/300E3	926084	298
RV 60.500	272303	184	RW 60 E5	729401	187	SPCKL 86/400 F	924868	297
RV 60.500 E3	920280	184	RW 60 F	225101	148	SPCKL 86/400E3	926107	298
RV 60.500 F	541201	184	RW 60 F	225101	187	SPCKL 86/500 F	924882	297
RV 60.600	272402	184	RW 85	237609	148	SPCKL 86/500E3	926121	298
RV 60.600 E3	920297	184	RW 85	237609	201	SPCKL 86/600 F	924905	297
RV 60.600 F	541300	184	RW 85	237609	264	SPCKL 86/600E3	926145	298
RV 85.100	272501	201	RW 85	237609	311	SPCKL 86/700 F	924929	297
RV 85.100 F	546800	201	RW 85	237609	330	SPCKL 86/700E3	926169	298
RV 85.200	272600	201	RW 85 E3	333424	311	SPCKL 86/800 F	924943	297
RV 85.200 F	546909	201	RW 85 E3	333424	330	SPCKL 86/800E3	926183	298
RV 85.300	272709	201	RW 85 F	237708	148	SPCKL 86/900 F	924967	297
RV 85.300 F	547005	201	RW 85 F	237708	201	SPCKL 86/900E3	926206	298
RV 85.400	272808	201	RW 85 F	237708	264	SPCKL86/1000E3	926220	298
RV 85.400 F	547104	201	RW 85 F	237708	311	SPCKL86/1100E3	926244	298
RV 85.500	272907	201	RW 85 F	237708	330	SPCKL86/1200E3	926268	298
RV 85.500 F	547203	201	RWTS 110-1.0	861903	238	SPM 100	298907	285
RV 85.600	273003	201	RWTS 110-1.5	861934	238	SPM 1000	300006	285
RV 85.600 F	547302	201	RWTS 110-2.0	861965	238	SPM 150	299003	285
RVA 60 F	934386	185	RWVA 60 F	934393	185	SPM 200	299102	285
RVC 60	870523	186	RZP 120/100	861408	244	SPM 250	299201	285
RVV 110 E3	732005	214	RZP 120/1000	861521	244	SPM 300	299300	285
RVV 110.100	259663	214	RZP 120/200	861422	244	SPM 30X5/3B	300204	285
RVV 110.100 F	554058	214	RZP 120/2000	861545	244	SPM 30X5/3F	300303	285
RVV 110.150	259700	214	RZP 120/300	861446	244	SPM 400	299409	285
RVV 110.150 F	554102	214	RZP 120/3000	861569	244	SPM 500	299508	285
RVV 110.200	259809	214	RZP 120/400	861460	244	SPM 50X5/3B	300402	286
RVV 110.200 F	554201	214	RZP 120/500	861484	244	SPM 50X5/3F	300501	286
RVV 110.300	259908	214	RZP 120/600	861507	244	SPM 600	299607	285
RVV 110.300 F	554300	214	RZP 50/100	191833	85	SPM 700	299706	285
RVV 110.400	260003	214	RZP 50/200	847907	85	SPM 800	299805	285
RVV 110.400 F	554409	214	RZP 50/300	847921	85	SPM 900	299904	285
RVV 110.500	260041	214	RZP 50/400	847945	85	SPW 40/1000	325306	301
RVV 110.500 F	554447	214	RZP 50/500	847969	85	SPW 40/1100	325405	301
RVV 110.550	260065	214	RZP 50/600	847983	85	SPW 40/1200	325504	301
RVV 110.550 F	554461	214	RZP 80/100	191864	244	SPW 40/600	324903	301
RVV 35	273102	165	RZP 80/1000	861309	244	SPW 40/700	325009	301
RVV 35	273102	173	RZP 80/200	861200	244	SPW 40/800	325108	301
RVV 35 F	273157	165	RZP 80/2000	861323	244	SPW 40/900	325207	301
RVV 50	258604	168	RZP 80/300	861224	244	SSV 4141 F	898541	114
RVV 50	258604	187	RZP 80/3000	861347	244	STIC 86/1006	323906	300
RVV 50 E3	335404	168	RZP 80/400	861248	244	STIC 86/1106	324002	300
RVV 50 E3	335404	187	RZP 80/500	861262	244	STIC 86/1206	324101	300
RVV 50 E5	729906	187	RZP 80/600	861286	244	STIC 86/206	873203	300
RVV 50 F	258505	168	RZPBL 25.90	861583	244	STIC 86/306	873227	300
RVV 50 F	258505	187	SAEI 80	898589	115	STIC 86/406	873241	300
RW 110	251001	148	SB 10.23	872107	246	STIC 86/506	873265	300
RW 110	251001	215	SKC 88/96	926800	115	STIC 86/606	323500	300
RW 110	251001	317	SKI 80	912605	103	STIC 86/706	323609	300
RW 110	251001	321	SKK 100	918423	268	STIC 86/806	323708	300
RW 110	251001	335	SKK 60	918416	260	STIC 86/906	323807	300
RW 110	251001	341	SKM 10 X 25	207305	121	STIW 40/1006	324606	301
RW 110 E3	333509	215	SKM 10 X 25 E5	729302	121	STIW 40/1106	324705	301
RW 110 E3	333509	317	SKM 10 X 40	207404	121	STIW 40/1206	324804	301
RW 110 E3	333509	335	SKM 10 X 40 E3	344048	121	STIW 40/606	324200	301
RW 110 E3	333509	341	SKM 10 X 50	207503	121	STIW 40/706	324309	301
RW 110 F	251100	148	SKM 10 X 70	207541	121	STIW 40/806	324408	301
RW 110 F	251100	215	SKM 10 X 70 E3	344086	121	STIW 40/906	324507	301
RW 110 F	251100	317	SKM 10 X 80 F	886203	121	STL 60.203/3	921102	292
RW 110 F	251100	321	SKM 10 X 90 F	893485	121	STL 60.203/3 F	921508	292
RW 110 F	251100	335	SKM 12 X 70	207565	84	STL 60.203/6	921300	292
RW 110 F	251100	341	SKM 12 X 70	207565	121	STL 60.203/6 F	921706	292
RW 110 FD	251117	317	SKM 16 X 40	207589	84	STL 60.206/3	921201	293
RW 35	213504	148	SKM 8 X 16	207107	121	STL 60.206/3 F	921607	293
RW 35	213504	173	SKM 8 X 16 E5	729203	121	STL 60.206/6	921409	293
RW 35	213504	255	SKM 8 X 40 E3	343959	121	STL 60.206/6 F	921805	293
RW 35 E3	333325	255	SKU 6040	912162	101	STL 60.303/3	921126	292
RW 35 F	213603	148	SMU 10	203703	120	STL 60.303/3 F	921522	292
RW 35 F	213603	255	SMU 10 E3	344260	120	STL 60.303/6	921324	292

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STL 60.306/3	921225	293	STUC 60/405 E3	925889	297	TW 400 F	204960	125
STL 60.306/3 F	921621	293	STUC 60/405 F	924646	297	TW 500	204809	125
STL 60.306/6	921423	293	STUC 60/505 E3	925902	297	TW 500 E3	769605	125
STL 60.306/6 F	921829	293	STUC 60/505 F	924660	297	TW 500 F	204977	125
STL 60.403/3	921140	292	STUC 60/605 E3	925926	297	TW 600	204908	125
STL 60.403/3 F	921546	292	STUC 60/605 F	924684	297	TW 600 E3	769704	125
STL 60.403/6	921348	292	STUC 60/705 E3	925940	297	TW 600 F	204984	125
STL 60.403/6 F	921744	292	STUC 60/705 F	924707	297	U 50/1000	191604	88
STL 60.406/3	921249	293	STUC 60/805 E3	925964	297	U 50/1000 F	872749	88
STL 60.406/3 F	921645	293	STUC 60/805 F	924721	297	U 50/1500	191703	88
STL 60.406/6	921447	293	STUC 60/905 E3	925988	297	U 50/200	190805	88
STL 60.406/6 F	921843	293	STUC 60/905 F	924745	297	U 50/200 F	872503	88
STL 60.503/3	921164	292	TK 60.85	183708	76	U 50/2000	191802	88
STL 60.503/3 F	921560	292	TK 85.110	183807	76	U 50/300	190904	88
STL 60.503/6	921362	292	TKR 100	185405	78	U 50/300 F	872534	88
STL 60.503/6 F	921768	292	TKR 50	185306	78	U 50/3000	190607	88
STL 60.506/3	921263	293	TKS 100	183906	77	U 50/3000 E3	330805	88
STL 60.506/3 F	921669	293	TKS 100 E3	329106	77	U 50/3000 E5	728701	88
STL 60.506/6	921461	293	TKS 100 F	815500	77	U 50/3000 F	190744	88
STL 60.506/6 F	921867	293	TKS 150	184002	77	U 50/400	191000	88
STL 60.603/3	921188	292	TKS 150 F	815524	77	U 50/400 F	872565	88
STL 60.603/3 F	921584	292	TKS 200	184101	77	U 50/500	191109	88
STL 60.603/6	921386	292	TKS 200 E3	329205	77	U 50/500 F	872596	88
STL 60.603/6 F	921782	292	TKS 200 F	815548	77	U 50/600	191208	88
STL 60.606/3	921287	293	TKS 250	184200	77	U 50/600 F	872626	88
STL 60.606/3 F	921683	293	TKS 250 F	815562	77	U 50/6000	190706	88
STL 60.606/6	921485	293	TKS 300	184309	77	U 50/6000 E3	330904	88
STL 60.606/6 F	921881	293	TKS 300 E3	329304	77	U 50/6000 F	190768	88
STM 60.203/3	886401	294	TKS 300 F	815586	77	U 50/700	191307	88
STM 60.203/3 F	586622	294	TKS 350	184408	77	U 50/700 F	872657	88
STM 60.203/6	321308	294	TKS 350 F	815609	77	U 50/800	191406	88
STM 60.203/6 F	585601	294	TKS 400	184507	77	U 50/800 F	872688	88
STM 60.206/3	873302	295	TKS 400 E3	329328	77	U 50/900	191505	88
STM 60.206/3 F	916368	295	TKS 400 F	815623	77	U 50/900 F	872718	88
STM 60.206/6	322404	295	TKS 450	184606	77	U 5050/1000 F	918706	96
STM 60.206/6 F	586707	295	TKS 450 F	815647	77	U 5050/1100 F	918720	96
STM 60.303/3	886425	294	TKS 500	184705	77	U 5050/1200 F	918744	96
STM 60.303/3 F	586646	294	TKS 500 E3	329342	77	U 5050/1500 F	918768	96
STM 60.303/6	321407	294	TKS 500 F	815661	77	U 5050/2000 F	918782	96
STM 60.303/6 F	585700	294	TKS 600	184804	77	U 5050/300 F	918560	96
STM 60.306/3	873326	295	TKS 600 E3	329366	77	U 5050/3000 F	859306	96
STM 60.306/3 F	916382	295	TKS 600 F	815685	77	U 5050/400 F	918584	96
STM 60.306/6	322503	295	TKSD 20	185207	78	U 5050/4500 F	859313	96
STM 60.306/6 F	586806	295	TKSD 20 E3	329649	78	U 5050/500 F	918607	96
STM 60.403/3	886449	294	TKSD 20 F	185252	78	U 5050/600 F	918621	96
STM 60.403/3 F	586660	294	TKSK 30	348053	79	U 5050/6000 F	859320	96
STM 60.403/6	321506	294	TKSU 100	184903	78	U 5050/700 F	918645	96
STM 60.403/6 F	585809	294	TKSU 200	185009	78	U 5050/800 F	918669	96
STM 60.406/3	873340	295	TKSU 300	185108	78	U 5050/900 F	918683	96
STM 60.406/3 F	916405	295	TP 40.45	861101	238	U 6040/1000 E3	892051	101
STM 60.406/6	322602	295	TPH 60	806003	357	U 6040/1000 F	891696	101
STM 60.406/6 F	586905	295	TPH 60	806003	371	U 6040/1100 E3	892068	101
STM 60.503/3	886463	294	TPH 60 E3	840007	357	U 6040/1100 F	891702	101
STM 60.503/3 F	586684	294	TPH 80	459278	357	U 6040/1200 E3	892075	101
STM 60.503/6	321605	294	TPH 80 E3	840052	357	U 6040/1200 F	891719	101
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STM 60.506/6 F	587001	295	TPS 50 E3	459216	357	U 6040/2000 E3	892099	101
STM 60.603/3	886487	294	TPS 70	459261	357	U 6040/2000 F	891733	101
STM 60.603/3 F	586691	294	TPS 90	720309	357	U 6040/250 E3	891979	101
STM 60.603/6	321704	294	TPS 90 E3	865406	357	U 6040/250 F	891610	101
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STM 60.606/3 F	916443	295	TW 100	204205	125	U 6040/3000 E3	892105	101
STM 60.606/6	322800	295	TW 100 E3	769209	125	U 6040/3000 F	891740	101
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STUC 60/1205 F	924806	297	TW 250	204502	125	U 6040/600 E3	892013	101
STUC 60/1205E3	926046	297	TW 300	204601	125	U 6040/600 F	891658	101
STUC 60/205 E3	925841	297	TW 300 E3	769407	125	U 6040/6000 E3	892129	101
STUC 60/205 F	924608	297	TW 300 F	204953	125	U 6040/6000 F	891764	101
STUC 60/305 E3	925865	297	TW 400	204700	125	U 6040/6000 F	891764	299



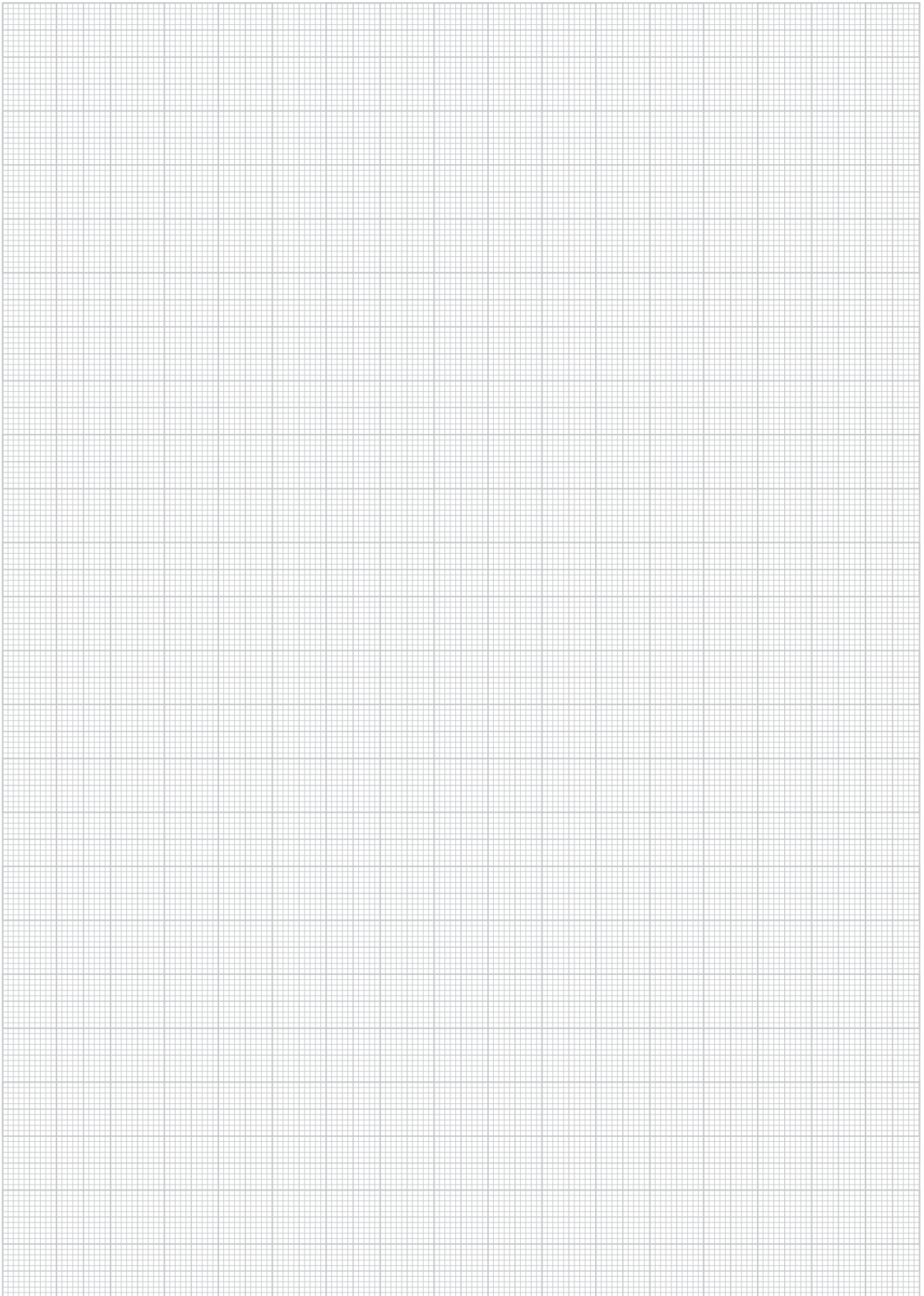
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U 6040/800 E3	892037	101	WLAB 300 E3	900022	344	WRK 150.600	315604	319
U 6040/800 F	891672	101	WLAB 300 F	900237	344	WRK 150.600 E3	725885	319
U 6040/900 E3	892044	101	WLAB 400	899753	344	WRK 150.600 F	592906	319
U 6040/900 F	891689	101	WLAB 400 E3	900039	344	WRK 200.200	317707	323
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UGM 6 E3	927258	122	WLAB 600	899777	344	WRK 200.400 F	595501	323
UGM 8	209002	122	WLAB 600 E3	900053	344	WRK 200.500	318001	323
VB 50	199303	89	WLAB 600 F	900268	344	WRK 200.500 F	595600	323
VB 50	199303	96	WRB 105.200	311705	313	WRK 200.600	318100	323
VB 50 E3	330966	89	WRB 105.200 E3	724901	313	WRK 200.600 F	595709	323
VB 50 E3	330966	96	WRB 105.200 F	588800	313	WRL 105.200	310708	310
VB 50 E5	729005	89	WRB 105.300	311804	313	WRL 105.200 E3	724802	310
VB 50 E5	729005	96	WRB 105.300 E3	724925	313	WRL 105.200 F	587803	310
VB 6040	891788	102	WRB 105.300 F	588909	313	WRL 105.300	310807	310
VB 6040	891788	298	WRB 105.400	311903	313	WRL 105.300 E3	724826	310
VB 6040 E3	892143	102	WRB 105.400 E3	724949	313	WRL 105.300 F	587902	310
VB 6040 E3	892143	298	WRB 105.400 F	589005	313	WRL 105.400	310906	310
VBI 80	199501	105	WRB 105.500	312009	313	WRL 105.400 E3	724840	310
VBI 80	199501	302	WRB 105.500 E3	724963	313	WRL 105.400 F	588008	310
VBIQ 80	192809	107	WRB 105.500 F	589104	313	WRL 105.500	311002	310
VBSM 10	345601	120	WRB 105.600	312108	313	WRL 105.500 E3	724864	310
VBSM 12	345700	120	WRB 105.600 E3	724987	313	WRL 105.500 F	588107	310
VBSM 8	345588	120	WRB 105.600 F	589203	313	WRL 105.600	311101	310
VP 50.50	209200	123	WRB 150.200	314201	318	WRL 105.600 E3	724888	310
WA 100	189809	85	WRB 150.200 E3	725601	318	WRL 105.600 F	588206	310
WA 150	189908	85	WRB 150.200 F	591503	318	WRL 150.200	313204	315
WA 200	190003	85	WRB 150.300	314300	318	WRL 150.200 E3	725502	315
WA 250	190102	85	WRB 150.300 E3	725625	318	WRL 150.200 F	590506	315
WA 300	190201	85	WRB 150.300 F	591602	318	WRL 150.300	313303	315
WA 400	190300	85	WRB 150.400	314409	318	WRL 150.300 E3	725526	315
WA 500	190409	85	WRB 150.400 E3	725649	318	WRL 150.300 F	590605	315
WA 600	190508	85	WRB 150.400 F	591701	318	WRL 150.400	313402	315
WAE 105	318131	312	WRB 150.500	314508	318	WRL 150.400 E3	725540	315
WAE 105	318131	331	WRB 150.500 E3	725663	318	WRL 150.400 F	590704	315
WAE 105 E3	846207	312	WRB 150.500 F	591800	318	WRL 150.500	313501	315
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WAE 105 F	595730	312	WRB 150.600 E3	725687	318	WRL 150.500 F	590803	315
WAE 105 F	595730	331	WRB 150.600 F	591909	318	WRL 150.600	313600	315
WAE 150	318162	318	WRB 200.200	316700	322	WRL 150.600 E3	725588	315
WAE 150	318162	336	WRB 200.200 F	594306	322	WRL 150.600 F	590902	315
WAE 150 E3	846252	318	WRB 200.300	316809	322	WRL 200.200	315703	320
WAE 150 E3	846252	336	WRB 200.300 F	594405	322	WRL 200.200 F	593200	320
WAE 150 F	595761	318	WRB 200.400	316908	322	WRL 200.300	315802	320
WAE 150 F	595761	336	WRB 200.400 F	594504	322	WRL 200.300 F	593309	320
WAE 200	318193	322	WRB 200.500	317004	322	WRL 200.400	315901	320
WAE 200	318193	339	WRB 200.500 F	594603	322	WRL 200.400 F	593408	320
WAE 200 F	595792	322	WRB 200.600	317103	322	WRL 200.500	316007	320
WAE 200 F	595792	339	WRB 200.600 F	594702	322	WRL 200.500 F	593507	320
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WBL 300	326402	343	WRK 105.200 E3	725106	314	WRL 200.600 F	593606	320
WBL 400	326501	343	WRK 105.200 F	589807	314	WRLM 150.200	893300	316
WBL 500	326600	343	WRK 105.300	312801	314	WRLM 150.200 F	893355	316
WBL 600	326709	343	WRK 105.300 E3	725120	314	WRLM 150.300	893317	316
WDRS 20	310609	343	WRK 105.300 F	589906	314	WRLM 150.300 F	893362	316
WDRS 20 E3	809004	343	WRK 105.400	312900	314	WRLM 150.400	893324	316
WDRS 20 F	596508	343	WRK 105.400 E3	725144	314	WRLM 150.400 F	893379	316
WDV 200	309801	343	WRK 105.400 F	590001	314	WRLM 150.500	893331	316
WDV 200 E3	806508	343	WRK 105.500	313006	314	WRLM 150.500 F	893386	316
WDV 200 F	596003	343	WRK 105.500 E3	725168	314	WRLM 150.600	893348	316
WDV 300	309900	343	WRK 105.500 F	590100	314	WRLM 150.600 F	893393	316
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WDV 300 F	596102	343	WRK 105.600 E3	725182	314	WRT 105.200 E3	725007	313
WDV 400	310005	343	WRK 105.600 F	590209	314	WRT 105.200 F	589302	313
WDV 400 E3	806546	343	WRK 150.200	315208	319	WRT 105.300	312306	313
WDV 400 F	596201	343	WRK 150.200 E3	725809	319	WRT 105.300 E3	725021	313
WDV 500	310104	343	WRK 150.200 F	592500	319	WRT 105.300 F	589401	313
WDV 500 E3	806560	343	WRK 150.300	315307	319	WRT 105.400	312405	313
WDV 500 F	596300	343	WRK 150.300 E3	725823	319	WRT 105.400 E3	725045	313
WDV 600	310203	343	WRK 150.300 F	592609	319	WRT 105.400 F	589500	313
WDV 600 E3	806584	343	WRK 150.400	315406	319	WRT 105.500	312504	313
WDV 600 F	596409	343	WRK 150.400 E3	725847	319	WRT 105.500 E3	725069	313
WLAB 200	899739	344	WRK 150.400 F	592708	319	WRT 105.500 F	589609	313
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WRT 150.200	314706	319	WRU 150.300 F	591107	315	WSGVS 200	308606	341
WRT 150.200 E3	725700	319	WRU 150.400	313907	315	WSK 105.200	304103	332
WRT 150.200 F	592005	319	WRU 150.400 F	591206	315	WSK 105.200 E3	726806	332
WRT 150.300	314805	319	WRU 150.500	314003	315	WSK 105.200 F	579105	332
WRT 150.300 E3	725724	319	WRU 150.500 F	591305	315	WSK 105.300	304202	332
WRT 150.300 F	592104	319	WRU 150.600	314102	315	WSK 105.300 E3	726820	332
WRT 150.400	314904	319	WRU 150.600 F	591404	315	WSK 105.300 F	579204	332
WRT 150.400 E3	725748	319	WRU 200.200	316205	320	WSK 105.400	304301	332
WRT 150.400 F	592203	319	WRU 200.200 F	593705	320	WSK 105.400 E3	726844	332
WRT 150.500	315000	319	WRU 200.300	316304	320	WSK 105.400 F	579303	332
WRT 150.500 E3	725762	319	WRU 200.300 F	593804	320	WSK 105.500	304400	332
WRT 150.500 F	592302	319	WRU 200.400	316403	320	WSK 105.500 E3	726868	332
WRT 150.600	315109	319	WRU 200.400 F	593903	320	WSK 105.500 F	579402	332
WRT 150.600 E3	725786	319	WRU 200.500	316502	320	WSK 105.600	304509	332
WRT 150.600 F	592401	319	WRU 200.500 F	594009	320	WSK 105.600 E3	726882	332
WRT 200.200	317202	323	WRU 200.600	316601	320	WSK 105.600 F	579501	332
WRT 200.200 F	594801	323	WRU 200.600 F	594108	320	WSK 150.200	304608	337
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WRT 200.300 F	594900	323	WSB 105.200 E3	726608	331	WSK 150.200 F	581108	337
WRT 200.400	317400	323	WSB 105.200 F	578108	331	WSK 150.300	304707	337
WRT 200.400 F	595006	323	WSB 105.300	302208	331	WSK 150.300 E3	727322	337
WRT 200.500	317509	323	WSB 105.300 E3	726622	331	WSK 150.300 F	581207	337
WRT 200.500 F	595105	323	WSB 105.300 F	578207	331	WSK 150.400	304806	337
WRT 200.600	317608	323	WSB 105.400	302307	331	WSK 150.400 E3	727346	337
WRT 200.600 F	595204	323	WSB 105.400 E3	726646	331	WSK 150.400 F	581306	337
WRTA 105.200	905508	312	WSB 105.400 F	578306	331	WSK 150.500	304905	337
WRTA 105.200 F	906000	312	WSB 105.500	302406	331	WSK 150.500 E3	727360	337
WRTA 105.200E3	905652	312	WSB 105.500 E3	726660	331	WSK 150.500 F	581405	337
WRTA 105.300	905515	312	WSB 105.500 F	578405	331	WSK 150.600	305001	337
WRTA 105.300 F	906017	312	WSB 105.600	302505	331	WSK 150.600 E3	727384	337
WRTA 105.300E3	905669	312	WSB 105.600 E3	726684	331	WSK 150.600 F	581504	337
WRTA 105.400	905522	312	WSB 105.600 F	578504	331	WSK 200.200	307203	340
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WRTA 105.400E3	905676	312	WSB 150.200 E3	727100	336	WSK 200.300	307302	340
WRTA 105.500	905539	312	WSB 150.200 F	580101	336	WSK 200.300 F	583201	340
WRTA 105.500 F	906031	312	WSB 150.300	302703	336	WSK 200.400	307401	340
WRTA 105.500E3	905683	312	WSB 150.300 E3	727124	336	WSK 200.400 F	583300	340
WRTA 105.600	905546	312	WSB 150.300 F	580200	336	WSK 200.500	307500	340
WRTA 105.600 F	906048	312	WSB 150.400	302802	336	WSK 200.500 F	583409	340
WRTA 105.600E3	905690	312	WSB 150.400 E3	727148	336	WSK 200.600	307609	340
WRTA 150.200	905553	318	WSB 150.400 F	580309	336	WSK 200.600 F	583508	340
WRTA 150.200 F	906055	318	WSB 150.500	302901	336	WSL 105.200	300600	329
WRTA 150.200E3	905706	318	WSB 150.500 E3	727162	336	WSL 105.200 E3	726509	329
WRTA 150.300	905560	318	WSB 150.500 F	580408	336	WSL 105.200 F	577606	329
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WRTA 150.400	905577	318	WSB 150.600 F	580507	336	WSL 105.300 F	577705	329
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WRTA 150.500	905584	318	WSB 200.300	306305	339	WSL 105.400 F	577804	329
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WRTA 150.600	905591	318	WSB 200.400 F	582303	339	WSL 105.500 F	577903	329
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WRTA 200.400 F	906123	322	WSBS 200.500	309108	342	WSL 150.300 E3	727025	333
WRTA 200.500	905638	322	WSBS 200.600	309207	342	WSL 150.300 F	579709	333
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WRTA 200.600	905645	322	WSGV 105	305100	329	WSL 150.400 E3	727049	333
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WSLM 150.400	893423	334	WSTA 105.400E3	905775	331	WSVV 150	305407	335
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WSLM 150.600	893447	334	WSTA 105.600	905393	331	WSVV 150 F	593101	335
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WST 200.600	307104	340	WSV 200.500 F	594207	338	ZSM 8	208609	120





Niedax is a privately owned company established in 1920 by two German engineers. Alexander **Niedergesäß** and Fritz **Axthelm** saw the rising demand for electricity and consequently set their focus on manufacturing electrical installation material. Being a very innovative team they received several patents over the next years, ex. for the expansion anchor in 1928 and for the yoke clamp in 1954. In 1971 Niedax launched the cable tray production, which is today the core business of the company.

In 1997 Niedax started the expansion into Europe by founding a subsidiary in Austria followed by several strategical acquisitions all over Europe. Alinco, Electraplan, Kleinhuis & RICO became valuable members of the NIEDAX GROUP.

Today Niedax is a well established and highly respected company in the niche market of Cable Management Systems and one of the largest manufacturers of steel cable trays worldwide. Niedax headquarters is in Linz, Germany. The near by manufacturing plant is located on approx. 2 million square feet in the industrial area of St. Katharinen. The factory is divided in about 700,000 sq.ft. of covered manufacturing and 400,000 sq.ft. of covered storage space, the rest is open storage for raw materials and leaves some room for future expansion. Niedax is a DIN ISO 9001:2000 certified company.

Eighthundred highly motivated employees in 16 countries, state of the art machinery and top quality production methods are our keys to succeed in business.



Alexander Niedergesäß



Fritz Axthelm



HISTORY  
Begin  
1920



Headquarters in Germany



Factory and central warehouse in Germany



Roll forming



Metal shaping



Electric Galvanizing



Injection moulding machine



# REFERENCES

Niedax Cable Management Systems are used in residential, commercial, industrial and infrastructure type projects. Examples include hotels, office buildings, stadiums, warehouses, automotive plants, breweries, paper mills, steel plants, airports, bridges, power plants, tunnels, and more. Niedax's success is evidenced in projects in over 100 countries worldwide.



HSL Bridge, Moerdijk/Netherlands



Daimler Chrysler, Warsaw



Nürburgring, Germany



Emirates Cargo Mega Center, Dubai



Maintower, Frankfurt/Germany





Green Circle Pellet Plant, Florida



Luxury hotel Palais Coburg, Vienna



Rasselstein, Andernach/Germany



Apollo bridge, Bratislava



Voest Hochofen, Linz/Austria



# CERTIFICATE

The TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH

certifies in accordance with  
TÜV CERT procedures that



**Niedax GmbH & Co. KG**  
**Ges. für Verlegungsmaterial**  
Asbacher Str. 141  
D - 53545 Linz/Rh.  
with the location  
Industriestraße 44, D - 53562 St. Katharinen

has established and applies a quality management system for

**development, production and sale of cable  
management systems including Hot-dip galvanizing**

An audit was performed, Report No. 5506.

Proof has been furnished that the requirements according to

**DIN EN ISO 9001:2000**

are fulfilled. This certificate is valid in  
conjunction with the main certificate until **2011-05-31**.

Certificate Registration No. **09 100 5506/7**



Cologne, 2008-06-20



  
TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH

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FORM 09 100 TCA 08.04

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# CERTIFICATE

The TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH

certifies in accordance with  
TÜV CERT procedures that



**Niedax Galvanik GmbH**  
Königswinterer Str. 87  
D - 53227 Bonn

has established and applies a quality management system for

**surface refinement, electroplating**

An audit was performed, Report No. **5506**.

Proof has been furnished that the requirements according to

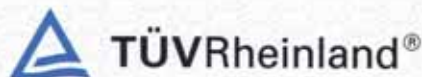
**DIN EN ISO 9001:2000**

are fulfilled. This certificate is valid in  
conjunction with the main certificate until **2011-05-31**.

Certificate Registration No. **09 100 5506/4**



Cologne, 2008-06-20



TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH



the standard in safety

Underwriters  
Laboratories

MR. DIRK SCHAEFER  
NIEDAX GMBH & CO KG  
ASBACHER STR 141  
53545 LINZ AM RHEIN GERMANY

Date: 2008/05/30  
Subscriber: 499956001  
PartySite: 295804  
File No: E233344  
Project No: 07NK25031  
FD No: 08M31675  
Type: R  
PO Number: SCHAEFER, DIRK

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

<u>Issue</u>				
<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	<u>Revised Date</u>
	1		New Section General Page(s) 5,6	2008/05/19
	1		Revised Section General Page(s) 2,3,4	2008/05/19
2003/04/16	1	1	New Description Page(s) 4A, 5A, 25	2008/05/19
2003/04/16	1	1	Revised Description Page(s) 1 thru 3, 3A, 4 thru 17, 19, 19A, 20, 20A, 21, 21A, 22, 23, 23A, 24, 25	2008/05/19
2003/04/16	1	1	New Test Record 7	2008/05/19
2003/04/16	1	1	New Illustration(s) 34 thru 80	2008/05/19

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to our Customer Service Professional, PHONE: 1-877-ULHELPS (1-877-854-3577), FAX: 1-847-407-1395, E-MAIL: customerservice.nbk@us.ul.com, referring to the above Project and/or FD Numbers.

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NBK File







CERTIFICATE NUMBER

DATE

07-HG255041-PDA

04 July 2007

ABS TECHNICAL OFFICE  
Hamburg Engineering Services

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**NIEDAX GmbH & Co. KG**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**PRODUCT:** Cable Supports

**MODEL:** KLMU 40, RSX 60, RSX 110, GRS 110, GRSX 60

**ABS RULE:** 2007 Steel Vessel Rules, 1-1-4/7.7, 4-8-4/21.9.1  
2006 MODU Rules, 4-3-3/5.9.1b

**OTHER STANDARD:** UL/ CSA Approbation E233344; IEC Publication 61537.

AMERICAN BUREAU OF SHIPPING



Hartmut Grompel  
Engineering Type Approval Co-ordinator

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р  
ГОССТАНДАРТ РОССИИ



**СЕРТИФИКАТ СООТВЕТСТВИЯ**

№ РОСС DE.AN50.H08182

Срок действия с 23.11.2007

по 22.11.2009

0798196

**ОРГАН ПО СЕРТИФИКАЦИИ** рег. № РОСС RU.0001.11АН50  
ОС ПРОДУКЦИИ АВТОНОМНАЯ НЕКОММЕРЧЕСКАЯ ОРГАНИЗАЦИЯ "АКАДЕММАШ"  
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e-mail: akademmash@bk.ru

**ПРОДУКЦИЯ** Лотки кабельные металлические и комплектующие к ним  
(см. приложение)  
Серийный выпуск

КОД ОК 005 (ОКП):  
34 4961

**СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ**  
ГОСТ 20783-81

КОД ТН ВЭД:  
7308 90 590 0

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**НА ОСНОВАНИИ** протокола сертификационных испытаний № 310 от 23.11.2007 г. Испытательная лаборатория ООО НПП "ИНИЦИАТИВА", рег. № № РОСС RU.0001.21 XII 48, адрес: 300600, Россия, г. Тула, Красноармейский пр., 7 (ул. Кауля 2-4)

**ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ** Схема сертификации 3.



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М.А. Ахмаметьев

инициалы, фамилия

Сертификат не применяется при обязательной сертификации



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

## DIN EN IEC 61537:2002-09

is the Global Standard for Cable Tray and Cable Ladder Systems for Cable Management and specifies requirements and tests for cable tray systems (such as all metal cable trays including wire mesh cable tray and cable ladders) for the support, accommodation of cables and possibly other electrical equipment in electrical and/or communications systems installations.

All Niedax Support Systems are manufactured and tested in accordance with DIN EN IEC 61537 by Niedax GmbH & Co. KG in Linz/Germany. The safe working load as defined by the standard is the lowest value of either the load creating a deflection of  $L/20$  at the end or the breaking load divided by 1.7 if the deflection is not reached.

All Niedax Cable Tray and Ladder Systems are manufactured and tested in accordance with DIN EN IEC 61537 by Niedax GmbH & Co. KG in Linz/Germany.

Testing is done with an equally balanced load and a splice located in the middle of the span. The safe working load is the smallest value of either the load creating a deflection of  $1/100$ th of the span or the breaking load divided by 1.7. While the standard is requiring just  $1/100$ th, Niedax is even more demanding and has reduced this figure to  $1/200$ th.

## General Information

Material Handling

Finishes

Corrosion Protection

Installation Instructions



*Info Section*



*general information*

# INFORMATIC



**WARNING! — Cable tray should not be used as a walkway, ladder, or support for people; cable tray is a mechanical support system for cables and raceways. Using cable trays as a walkway can result in personal injury and also cause damage to the cable tray system and installed cables.**

Hazardous voltages in electrical equipment can cause severe personal injury or death. Safety related work practices, as described in NFPA 70E, Part 11 or VDE 0100, should be followed at all times.

The overall performance of a cable tray wiring system is dependent upon proper installation, including supports and cables. Non-adherence to installation and maintenance guidelines may lead to personal injury as well as damage to property.

Installation and proper maintenance of cable tray wiring systems should be performed only by qualified personnel. For the purposes of this guideline, a qualified installer is one who is familiar with electrical construction. In addition, the person should be :

Trained and authorized to test, energize, clear, ground, tag, and lockout circuits in accordance with established safety practices.

Trained in the proper care and use of protective equipment such as insulated rubber gloves, hardhats, safety glasses or face shields, dust masks and flash resistant clothing in accordance with established safety practices and / or local building codes.

## RECEIVING AND UNLOADING

Cable tray is generally bundled and shipped via motor freight on extended pallets. Accessories and small components are boxed and often skidded.

Cable tray can be shipped via LTL common carrier, trailer, or flat bed truck. LTL carriers are normally used for less than truckload shipments. This method of shipment is the most cost effective and offers maximum protection from the weather during shipment. LTL shipments should be hand unloaded unless provisions have been made with the cable tray manufacturer for forklift unloading.

Flat bed trailers are often used for full truckload shipments and / or when customers want side forklift unloading or sling unloading by crane. (Special care must be exercised to assure that the cable tray is not crushed from improperly locating and lifting with a sling.)

ACCEPTABLE(best)



UN-ACCEPTABLE



\*Except when utilizing extended forks for skidded bundles

Small to medium size orders less than 2000 ft. (600 m) are generally shipped via common carrier - LTL Service.

If hand unloaded, workers should wear gloves and steel-toed footwear.

To prevent damage to cable tray, never unload from truck / trailer by chaining to bottom of the skid and dragging out of trailer.

ACCEPTABLE



UN-ACCEPTABLE



Inventory all items immediately after unloading, using the manufacturer's packing list. Note on the bill of lading any shortage or shipping damage for filing freight claim.

## STORAGE

Aluminum, Fiberglass, **Stainless Steel** and /or other non-metallic cable tray can be stored outside without protective covering. Tray should be loosely stacked, elevated off the ground, and ventilated to prevent storage stain. If appearance is important, cable tray should be stored indoors to prevent water or other environmental factors from staining or adhering to cable tray.

Hot dipped galvanized after fabrication (H.D.G.A.F.), mill galvanized or electro-galvanized cable tray must be protected or stored in a well ventilated, dry location.

Bare steel cable tray should receive a protective coating as soon as possible to prevent surface rust.

PVC or painted cable tray should be protected and stored indoors if possible. Cable tray must be protected from scratching and marring of finish.

Small accessories should be stored in such a manner to prevent loss or damage.

Cable tray should be stored away from high traffic areas. Cable tray should be stacked by width and type.

## INSTALLATION

Attention Cable Tray Installers — Cable tray system design shall comply with NEC Article 392, NEMA VE 1, IEC 61537 and shall follow safe work practices as described in NFPA 70E and NEMA VE 2.

The instructions and information contained here-in are not intended to cover all details or variations in cable tray systems, nor do they account for every possible installation scenario.

It is recommended that the installation work described be performed by qualified personnel, preferably a certified electrical contractor, familiar with standard electrical construction practices, electrical equipment, and safety of electrical wiring systems.

## SUPPORT INSTALLATION

**Caution!** Do not cut or drill structural building members (e.g. I-beams) without approval from the general contractor.

In order to install cable tray supports, find the required elevation from the floor to the bottom of the cable tray and establish a level line.

### Cable Tray Supports

**Caution!** Supports for cable trays should provide strength and working load capabilities sufficient to meet the load requirement of the cable tray wiring system. Consideration should be given to the loads associated with future cable additions or any other additional loads applied to the cable tray system or the cable trays support system.

## STRAIGHT SECTION POSITION

After the supports are in place, the installation of the cable tray can begin at any place that is convenient. It is not necessary to start at one end of the run. It is ideal to lay out the system so that splice joints fall between the support and the quarter point. This maximizes the rigidity of the cable tray.

To begin, place a straight section across two supports so that the ends of the section are not directly on the support. If the support span is equal to the length of the straight sections, bolt two pieces together for this step. As a general practice, avoid placing splice plates over supports or at mid-span.

## FIELD MODIFICATIONS

Cable Tray can be adapted (cut to spec in field situations). These field modifications should be made by qualified personnel only (preferably a certified electrical contractor)



## Material & Finish

### STANDARDS AVAILABLE

MATERIAL	MATERIAL SPECIFICATION	ADVANTAGES
Steel	ASTM A1011 SS Gr. 33 (14 Gauge Plain Steel)	Electric Shielding
	ASTM A1008 Gr. 33 Type 2 (16 & 18 Gauge Plain Steel)	Finish Options Low Thermal Expansion
	ASTM A653SS Gr. 33 G90 (Pre-Galvanized)	Limited Deflection
Stainless Steel	AISI Type 304 and 316	Superior Corrosion Resistance Withstands High Temperatures

### STEEL

Steel cable trays are fabricated from continuous roll-formed structural quality steel. By roll-forming steel, the mechanical properties are increased allowing the use of a lighter gauge steel to carry the required load. This reduces the dead weight that must be carried by the supports and makes the system easier to install for the contractor. By using structural quality steel, NIEDAX assures that the material (steel) will meet the minimum yield and tensile strengths of applicable ASTM standards. All cable tray side rails, rungs and splice plates are numbered for material identification purposes. The corrosion resistance of steel can vary widely, depending on types of coatings and alloy used.

### STAINLESS STEEL

Stainless Steel cable trays are fabricated from continuous roll-formed AISI Type 304 and 316 stainless steel. They are non-magnetic and belong to the group called austenitic stainless steels. Like carbon steel, they exhibit increased strength when cold worked by roll-forming or bending. Several important factors make the use of stainless steel imperative. Considerations such as: long term maintenance costs, corrosion resistance, appearance and locations where product contamination is undesirable, are key factors in determining the necessity of Stainless Steel Material. Stainless Steel exhibits stable structural properties such as yield strength and high creep strength at elevated temperatures.

NIEDAX Stainless Steel cable trays are welded using stainless steel welding wire to ensure that each weld exhibits the same corrosion resistant characteristic as the base metal.

A detailed study of the corrosive environment is recommended when considering a stainless steel design.

### STANDARDS AVAILABLE

FINISH	SPECIFICATION	RECOMMENDED USE
Electrogalvanized Zinc	ASTM B633	Indoor
	(For Cable Tray Hardware and Accessories and Pre-Galv.)	
Pre-Galvanized Zinc	ASTM A653SS Gr.33 G90 (CSA Type 2) (Steel Cable Tray and Fittings)	Indoor
Hot Dip Galvanized Zinc After Fabrication	ASTM A123 (CSA Type 1) (Steel Cable Tray and Fittings)	Indoor/Outdoor

### ZINC COATINGS

Zinc protects steel in two ways. First, it acts as a protective coating and secondly, as a sacrificial anode to repair bare areas such as cut edges, scratches, and gouges. The corrosion protection of zinc is directly related to its thickness and the environment. i.e, a .2 mil coating will last twice as long as a .1 mil coating in the same environment. Galvanizing also protects cut and drilled edges.



## ELECTROGALVANIZED ZINC

Electrogalvanized Zinc (also known as zinc plated or electroplated) is the process by which a coating of zinc is deposited on the steel by electrolysis from a bath of zinc salts. This finish is standard for cable tray hardware and some accessories for pre-galvanized systems. When exposed to air and moisture, zinc forms a tough, adherent, protective film consisting of a mixture of zinc oxides, hydroxides, and carbonates. This film is in itself a barrier coating which slows subsequent corrosive attack on the zinc. This coating is usually only recommended for indoor use in relatively dry areas, as it provides limited protection (ninety-six hours of protection in salt spray testing per ASTM B117).

## PRE-GALVANIZED ZINC

**(Mill galvanized, hot dip mill galvanized or continuous hot dip galvanized)**

Pre-Galvanized steel is produced by coating coils of sheet steel with zinc. This process is accomplished by continuously rolling the material through molten zinc at the mills. This procedure is also used to produce mill galvanized and hot dip mill galvanized material. The coils are then slit to size and fabricated by roll forming, shearing, punching, or forming to produce NIEDAX pre-galvanized cable tray products. The G90 specification calls for a coating of .90 ounces of zinc per square foot of steel. This results in a coating of .45 ounces per square foot on each side of the sheet. This is important when comparing this finish to hot dip galvanized after fabrication. During fabrication, cut edges and welded areas are not normally zinc coated; however, the zinc located near the uncoated metal becomes a sacrificial anode to protect the bare areas within a short period of time.

## HOT DIP GALVANIZED AFTER FABRICATION

**(Hot dip galvanized or batch hot dip galvanized)**

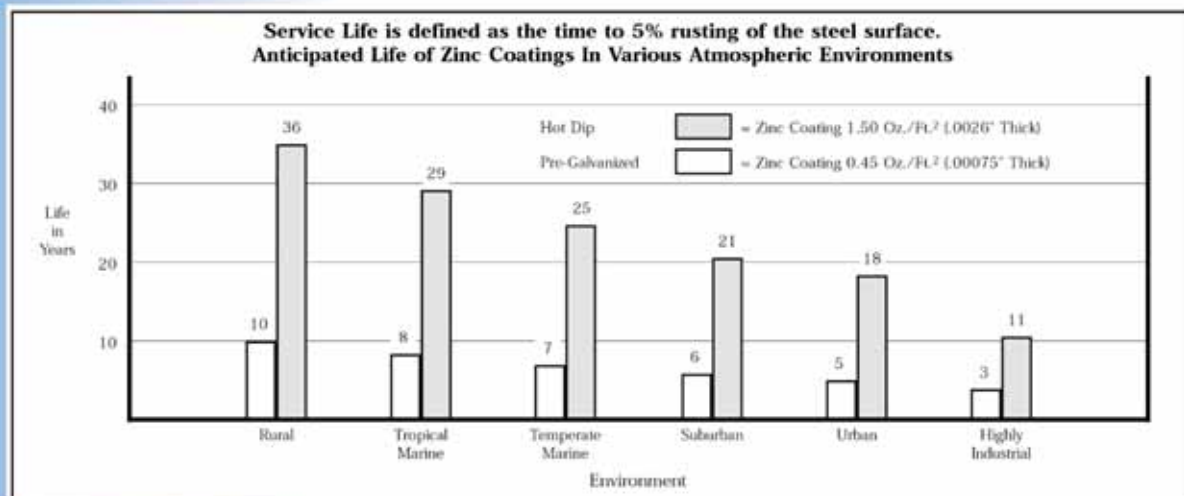
Hot Dip Galvanized After Fabrication cable tray products are fabricated from steel and then completely immersed in a bath of molten zinc. A metallic bond occurs resulting in a zinc coating that completely coats every surface, including edges and welds.

A key advantage of this method is coating thickness. Cable trays that are hot dip galvanized after fabrication have a minimum thickness of 1.50 ounces per square foot on each side, or a total of 3.0 ounces per square foot of steel, according to ASTM A123.

The zinc thickness can be controlled by the amount of time each part is immersed in the molten zinc bath as well as the speed at which it is removed.

The layer of zinc which bonds to the steel provides a dual protection against corrosion. It protects first as an overall barrier coating. If this coating happens to be scratched or gouged, zinc's secondary defense, galvanic action is called upon to protect the steel.

Hot dip galvanized after fabrication is recommended for prolonged outdoor exposure and will protect steel for many years in most outdoor environments as well as in many aggressive industrial environments.



## Corrosion

All metal surfaces are affected by corrosion. Depending on the physical properties of the metal and the environment to which it is exposed, chemical or electromechanical corrosion may occur.

### ATMOSPHERIC CORROSION

Atmospheric corrosion occurs when metal is exposed to airborne liquids, solids or gases. Some causes of atmospheric corrosion are moisture, salt, dirt and sulphuric acid. This form of corrosion is typically worse outdoors, especially near marine environments.

### CHEMICAL CORROSION

Chemical corrosion takes place when metal comes in direct contact with a corrosive solution. Some factors which affect the severity of chemical corrosion include: chemical concentration level, duration of contact, frequency of washing, and operating temperature.

### STORAGE CORROSION

Wet storage stain (White rust) is caused by the entrapment of moisture between the surfaces of closely packed and poorly ventilated materials for an extended period of time. Wet storage stain is usually superficial, having no effect on the properties of the metal.

Light staining normally disappears with weathering. Medium to heavy buildup should be removed, in order to allow the formation of the normal protective film.

Proper handling and storage will help to assure stain-free material. If product arrives wet, it should be unpacked and dried before storage. Dry material should be stored in a well ventilated „low moisture“ environment to avoid condensation. Outdoor storage is undesirable, and should be avoided whenever possible.

### GALVANIC CORROSION

Galvanic corrosion occurs when two or more dissimilar metals are in contact while in the presence of an electrolyte (ie, moisture). An electrolytic cell is created and the metals form an anode or a cathode depending on their relative position on the Galvanic Series Table. The anodic material will be the one to corrode. Whether a material is anodic depends on the relative position of the other material. For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode; the steel acts as the cathode, and will be protected. If steel and copper are in contact, the steel is now the anode and will corrode.

The rate at which galvanic corrosion occurs depends on several factors:

1. The amount and concentration of electrolyte present- Material stored in an indoor, dry environment will have little or no galvanic corrosion compared to a wet atmosphere.
2. The relative size of the materials- A small amount of anodic material in contact with a large cathodic material will result in greater corrosion. Likewise, a large anode in contact with a small cathode will decrease the rate of corrosive attack.
3. The relative position on the Galvanic Series Table. The farther apart in the Galvanic Series Table, the greater the potential for corrosion of the anodic material.

## Corrosion Guide

Chemical	Cable Tray Material					
	Stainless Type 304			Stainless Type 316		
	Cold	Warm	Hot	Cold	Warm	Hot
Acetone	R	R	R	R	R	R
Aluminum Chloride Solution	NR	—	—	F	—	—
Anhydrous Aluminum Chloride	NR	—	—	F	—	—
Aluminum Sulfate	R	R	R	R	R	R
Ammonium Chloride 10%	R	R	R	R	R	R
Ammonium Hydroxide	R	R	R	R	R	R
Ammonium Phosphate	R	—	—	R	—	—
Ammonium Sulfate	R	R	R	R	R	R
Ammonium Thiocyanate	R	—	—	R	R	R
Amyl Acetate	R	R	R	R	R	R
Amyl Alcohol	R	—	—	R	R	R
Arsenic Acid	R	R	—	R	R	R
Barium Chloride	R	R	R	R	R	R
Barium Sulfate	R	R	—	R	R	—
Barium Sulfide	R	R	—	R	R	—
Benzene	R	R	R	R	R	R
Benzoic Acid	R	R	R	R	R	R
Boric Acid	R	R	R	R	R	R
Bromine Liquid or Vapor	NR	NR	NR	NR	NR	NR
Butyl Acetate	R	—	—	R	R	R
Butyl Alcohol	R	R	R	R	R	R
Butyric Acid	R	R	R	R	R	R
Calcium Chloride 20%	R	—	—	R	—	—
Calcium Hydroxide	R	R	F	R	R	R
Calcium Hypochlorite 2 - 3%	R	—	—	R	—	—
Calcium Sulfate	R	R	—	R	R	—
Carbon Monoxide Gas	R	R	R	R	R	R
Carbon Tetrachloride	F	F	F	R	R	R
Chloroform Dry	R	R	—	R	R	—
Chloroform Solution	—	—	—	—	—	—
Chromic Acid 10% CP	R	R	F	R	R	R
Citric Acid	R	R	NR	R	R	R
Copper Cyanide	R	R	R	R	R	R
Copper Sulfate 5%	R	R	R	R	R	R
Ethyl Alcohol	R	R	R	R	R	R
Ethylene Glycol	R	R	—	R	R	R
Ferric Chloride	NR	NR	NR	NR	NR	NR
Ferrous Sulfate 10%	R	R	—	R	R	—
Formaldehyde 37%	R	R	R	R	R	R
Formic Acid 10%	R	R	NR	R	R	R
Gallic Acid 5%	R	R	R	R	R	R
Hydrochloric Acid 25%	NR	NR	NR	NR	NR	NR
Hydrofluoric Acid 10%	NR	NR	NR	NR	NR	NR



## Corrosion Guide

Chemical	Cable Tray Material					
	Stainless Type 304			Stainless Type 316		
	Cold	Warm	Hot	Cold	Warm	Hot
Hydrogen Peroxide 30%	R	R	R	R	R	R
Hydrogen Sulfide Wet	NR	NR	R	R	R	R
Lactic Acid 10%	R	R	F	R	R	R
Lead Acetate 5%	R	R	R	R	R	R
Magnesium Chloride 1%	R	F	R	—	R	R
Magnesium Hydroxide	R	R	—	R	R	—
Magnesium Nitrate 5%	R	R	R	R	R	R
Nickel Chloride	R	—	—	R	—	—
Nitric Acid 15%	R	R	R	R	R	R
Oleic Acid	R	R	F	R	R	R
Oxalic Acid 10%	NR	NR	NR	R	R	R
Phenol CP	R	R	R	R	R	R
Phosphoric Acid 50%	R	R	R	R	F	NR
Potassium Bromide 100%	R	R	—	R	R	R
Potassium Carbonate 100%	R	R	R	R	R	R
Potassium Chloride 5%	R	R	R	R	R	R
Potassium Dichromate	R	R	R	R	R	R
Potassium Hydroxide 50%	R	R	R	R	R	R
Potassium Nitrate 50%	R	R	R	R	R	R
Potassium Sulfate 5%	R	R	R	R	R	R
Propyl Alcohol	R	R	R	R	R	R
Sodium Acetate 20%	R	R	R	R	R	R
Sodium Bisulfate 10%	R	R	R	R	R	R
Sodium Borate	R	R	R	R	R	R
Sodium Carbonate 18%	R	R	R	R	R	R
Sodium Chloride 5%	R	R	R	R	R	R
Sodium Hydroxide 50%	R	R	R	R	R	R
Sodium Hypochlorite 5%	F	—	—	R	—	—
Sodium Nitrate 100%	R	R	R	R	R	R
Sodium Nitrite 100%	R	R	R	R	R	R
Sodium Sulfate 100%	R	R	R	R	R	R
Sodium Thiosulfate	R	R	R	R	R	R
Sulfur Dioxide (Dry)	R	R	R	R	R	R
Sulfuric Acid 5%	F	NR	NR	R	—	—
Sulfuric Acid 10%	NR	NR	NR	NR	NR	NR
Sulfuric Acid 50%	NR	NR	NR	NR	NR	NR
Sulfuric Acid 75 - 98%	NR	NR	NR	NR	NR	NR
Sulfuric Acid 98 - 100%	NR	NR	—	R	R	F
Tannic Acid 10 & 50%	R	R	R	R	R	R
Tartaric Acid 10 & 50%	R	R	R	R	R	R
Vinegar	R	R	R	R	R	R
Zinc Chloride 5 & 20%	R	F	NR	R	R	R
Zinc Nitrate	R	R	R	R	R	R
Zinc Sulfate	R	R	R	R	R	R

R = Recommended

F = May be used under some conditions

NR = Not Recommended

— = Information not available

Cold = 50 - 80°F

Cold = 10 - 27°C

Warm = 130 - 170°F

Warm = 54 - 77°C

Hot = 200 - 212°F

Hot = 93 - 100°C

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)

The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material.



# Strength

## ENVIRONMENTAL LOADS

### Wind Loads

Wind loads need to be determined for all outdoor cable tray installations. Most outdoor solutions are ladder type trays, therefore the most severe loading to be considered is impact pressure normal to the cable tray side rails. The impact pressure corresponding to several wind velocities are given below in Table 1.

Table 1 Impact Pressures			
V(mph)	P(lbs/ft <sup>2</sup> )	V(mph)	P(lbs/ft <sup>2</sup> )
15	0.58	85	18.5
20	1.02	90	20.7
25	1.60	95	23.1
30	2.30	100	25.6
35	3.13	105	28.2
40	4.09	110	30.9
45	5.18	115	33.8
50	6.39	120	36.8
55	7.73	125	40.0
60	9.21	130	43.3
65	10.80	135	46.6
70	12.50	140	50.1
75	14.40	145	53.8
80	16.40	150	57.6

V= Wind Velocity                      P= Impact Pressure

Note: These values are for an air density of 0.07651lbs/ft<sup>3</sup> corresponding to a temperature of 16°C (60° F) and baro-metric pressure of 14.7 lbs/in<sup>2</sup>.

### Example Calculation:

Side load for 6" side rail with 100 mph wind  
 $(25.6 \times 6) / 12 = 12.8 \text{ lbs/ft}$

When covers are installed on outdoor cable trays, another factor to be considered is the aerodynamic effect which can produce a lift strong enough to separate a cover from a tray. Wind moving across a covered tray creates a positive pressure inside the tray and a negative pressure above the cover. This pressure difference can remove the cover from the tray.

## ICE LOADS

Glaze ice is the most commonly seen form of ice build-up. It is the result of rain or drizzle freezing on impact with an exposed object. Generally, only the top surface (or the cover) and the wind bearing side of a cable tray system is significantly coated with ice. The maximum design load to be added due to ice should be calculated as follows:

$$L_i = (W \times T_i \times D_i) / 144 \text{ where;}$$

- $L_i$  = Ice Load (lbs/linear foot)
- $W$  = Cable Tray Width (inches)
- $T_i$  = Maximum Ice Thickness (inches)
- $D_i$  = Ice Density = 57 lbs/ft<sup>3</sup>

the maximum ice thickness will vary depending on location. A thickness of 1/2" can be used as a conservative standard.

### Example Calculation:

Ice Loads for 24" wide tray with 1/2" thick ice;  
 $(24 \times 0.5 \times 57) / 144 = 4.75 \text{ lbs/ft}$

## Strength

### SNOW LOADS

Snow is measured by density and thickness. The density of snow varies almost as much as its thickness. The additional design load from snowfall should be determined using the building codes which apply for each installation.

### CONCENTRATED LOADS

A concentrated static load represents a static weight applied at a single point between the side rails. Tap boxes, conduit attachments and long cable drops are just some of the many types of concentrated loads. When specified, these concentrated static loads may be converted to an equivalent, uniform load ( $W_e$ ) by using the following formula:

$$W_e = 2 \times (\text{concentrated Static Load}) / \text{span length}$$

However, it should be noted that per NEMA Standard Publication VE1 cable tray is designed as a support for power or control cables, or both, and is not intended or designed to be a walk-way for personnel.

**Warning! Not to be used as a walkway, ladder or support for personnel.  
To be used only as a mechanical support for cables and raceway.**

### SUPPORT SPAN

The strength of a cable tray system is largely determined by the strength of its side rails. The strength of a cable tray side rail is proportionate to the distance between the supports on which it is installed, commonly referred to as the „support span“. Therefore, the strength of a cable tray system can be altered by changing the support span. However, there is a limit to how much that strength can be increased by reducing the support span. At a certain point the strength of the bottom portion of the cable tray could become the determining factor of strength.

Once the load requirement of a cable tray system has been established, the following factors should be considered:

1. Sometimes the location of existing structural beams will dictate the cable tray support span. This is typical with outdoor installations where adding intermediate supports could be financially prohibitive. For this situation the appropriate cable tray must be selected to accommodate the existing span.
2. When cable tray supports are randomly located, the added cost of a higher strength cable tray system should be compared to the cost of additional supports. Typically, adding supports is more costly than installing a stronger series of cable tray. Future cable additions or the capability of supporting equipment, raceways for example, also favor stronger cable tray systems.

**In summary, upgrading to a stronger cable tray series is typically more cost-effective than using the recommended additional supports for a lighter duty cable tray series.**

3. The support span lengths should be equal to or less than unspliced straight section lengths, to ensure that no more than one splice is placed between supports.

### DEFLECTION

Deflection in a cable tray system is primarily an aesthetic consideration. When a cable tray system is installed in a prominent location, a maximum simple beam deflection of 1/200 of support span can be used as a guideline to minimize visual deflection.

It is important at this point to mention that there are two typical beam configurations, simple beam and continuous beam, and to clarify the difference.

A good example of a simple beam is a single straight section of cable tray supported, but not fastened at either end. When the tray is loaded the cable tray is allowed to flex. Simple beam analysis is used almost universally for beam comparisons even though it is hardly practical in the field. The three most prominent reasons for using a simple beam analysis are: calculations are simplified; it represents the worst case loading; and testing is simple and reliable.

Continuous beam is the beam configuration most commonly used in cable tray installations. An example of this configuration is where cable trays are installed across several supports to form a number of spans. The continuous beam possesses traits of both the simple and fixed beams. When equal loads are applied to all spans simultaneously, the counter-balancing effect of the loads on both sides of a support restricts the movement of the cable tray at the support. The effect is similar to that of a fixed beam.

The end spans behave substantially like simple beams. When cable trays of identical design are compared, the continuous beam installation will typically have approximately half the deflection of a simple beam of the same span. The published load data in the NIEDAX cable tray catalog is based on the continuous beam analysis per IEC - Standard 61537. Therefore simple beam data should be used only for general comparison purposes.

The following factors should be considered when addressing cable tray deflection:

1. Cost evaluations must be considered when addressing cable deflection criteria.
2. Deflection in a cable tray system can be reduced by decreasing the support span, or by using a taller (side rail height) or stronger cable tray.
3. The location of splices in a continuous span will affect the deflection of the cable tray system. The splices should be located at points of minimum stress whenever practical.

NEMA Standards VE-1 limits the use of splice plates as follows:

**Unspliced straight sections should be used on all simple spans and on end spans of continuous span runs. Straight section lengths should be equal to or greater than the span length to ensure not more than one splice between supports.**

## BARRIER REQUIREMENTS

Barrier strips are used to separate cable systems, such as when cables above and below 600 volts per NEC 318-6(f) are installed in the same cable tray. However, when MC type cables rated for over 600 volts are installed in the same cable tray with cables rated 600 volts or less, no barriers are required. The barriers should be made of the same material type as the cable tray. When ordering the barrier, the height must match the loading depth of the cable tray into which it is being installed.

## FUTURE EXPANSION REQUIREMENTS

One of the many features of cable tray is the ease of adding cables to an existing system. Future expansion should always be considered when selecting a cable tray, and allowance should be made for additional fill area and load capacity. A minimum of 50% expansion allowance is recommended.

## SPACE LIMITATIONS

Any obstacles which could interfere with a cable tray installation should be considered when selecting a cable tray width and height. Adequate clearances should be allowed for installation of supports and for cable accessibility. Note: The overall cable tray dimensions typically exceed the nominal tray width and loading depth.



## Length

### LENGTHS AVAILABLE

The current Cable Tray Standard, NEMA VE-1 and C22.2 No. 126.1-98, lists typical lengths as 3000 mm (10 ft), 3660 mm (12 ft), 6000 mm (20 ft), and 7320 mm (24 ft). It is impractical to manufacture either lighter systems in the longer lengths or heavier systems in the shorter lengths. For that reason, NIEDAX has introduced a primary and secondary length for some systems. These straight section lengths were selected to direct the user to trays that best suit support span demands and practical loading requirements. The primary length is the one that is the most appropriate for the strength of the system and that will provide the fastest service levels. The secondary lengths will be made available to service additional requirements. Special lengths are available upon request with extended lead times.

### SUPPORT SPAN

The support span on which a cable tray is installed should not exceed the length of the unspliced straight section. Thus installations with support spans greater than 12 feet should use 240" (20 feet) or 288" (24 feet) cable tray lengths.

### SPACE LIMITATIONS

Consideration should be given to the space available for moving the cable tray from the delivery truck to its final installation location. Obviously, a shorter cable tray will allow for more maneuverability in tight spaces.

### INSTALLATION

Shorter cable tray lengths are typically easier to maneuver on the job site during installation. Multiple people may be needed to manipulate longer cable tray sections, while shorter sections can generally be handled by one person. Although longer cable tray lengths are more difficult to maneuver, they can reduce installation time due to the fact that there are fewer splice connections. These considerations should be evaluated for each job / install.

## Loading Possibilities

### POWER APPLICATION:

Power applications can create the heaviest loading. The heaviest cable combination found was for large diameter cables (i.e. steel armor, 600V, 4 conductor 750 kcmil). The cables weigh less than 3.8 lbs. per inch-width of cable tray. As power cables are installed in a single layer, the width of the cable affects the possible loading.

### DATA/COMMUNICATION CABLING:

Low voltage cables can be stacked as there are no heat generation problems. The NEC employs a calculation of the total cross sectional area of the cables not exceeding 50% of the fill area of the cable tray. As the cable fill area of the cable tray system affects the possible loading, both the loading depth and width of the systems must be considered. For this example 4UTP category 5 cable (O.D. = .21, .026 lbs./ft.) were used.



## Other Factors To Consider

**Support Span** - The distance between the supports affects the loading capabilities exponentially. To calculate loading values not listed use:

$$W_1 \times L_1^2 = W_2 \times L_2^2$$

$W_1$	=	tested loading
$L_1$	=	span in feet, a tested span
$W_2$	=	loading in question
$L_2$	=	known span for new loading

**Other Loads** - Ice, wind, snow for outdoor systems see page 16 and 17 for information.

A 200 lb. concentrated load for industrial systems. The affect of a concentrated load can be calculated as follows

2 x (concentrated static load) / span in feet

When considering concentrated loads the rung strength should be factored in.

### LENGTH OF THE STRAIGHT SECTIONS:

The VE-2, Cable Tray Installation Guide, states that the support span shall not be greater than the straight section length. If a 20C system is manufactured in 12 foot sections the greatest span for supports would be 12 feet. This dramatically affects the loading of the system.

$$\begin{aligned} W_1 \times L_1^2 &= W_2 \times L_2^2 \\ 100 \times 20^2 &= W_2 \times 12^2 \\ 40,000 &= 144 \times W_2 \\ W_2 &= 277 \text{ lbs. per foot} \end{aligned}$$

### TYPE OF CABLE

According to NEC Article 318, multiconductor tray cable may be installed in any standard cable tray bottom type. Single conductor tray cable may be installed only in ladder or ventilated bottom cable trays (not solid bottom). Solid bottom cable trays are not allowed to be installed in Class II, Division 2 locations (1999 NEC Section 502-4(b) ). In general, small, highly flexible cables should be installed in solid bottom, vented bottom cable trays. Sensitive cables (e.g. fiberoptic) are typically installed in flat, solid bottom cable trays, instead of corrugated trough bottoms. Larger, less flexible cables are typically installed in ladder type cable trays having 12" rung spacing.

### COST VS. STRENGTH

On most installations more than one bottom type is acceptable. Economic factors should be considered at this point. Ladder cable trays have a lower cost than either solid or ventilated bottom configurations. Typically, the cost of ladder type cable tray decreases as rung spacing increases. Rung spacing can affect individual rung and side rail loading as well as system load capacity.

### CABLE EXPOSURE

Tray cables are manufactured to withstand the environment without additional protection, this favors the use of a ladder type cable tray. Some areas may benefit from the limited exposure of solid or vented bottom cable tray. Solid Bottom metal cable tray with solid metal covers can be utilized in other spaces used for environmental air to support non plenum rated tray cables (1999 NEC © 300-22(C)(1) )

### CABLE ATTACHMENT

The major advantage of ladder type cable tray is the freedom of entry and exit of the cables. Another advantage of ladder type cable tray is the ability to secure cables in the cable tray. With standard rungs the cables may be attached with either cable ties or cable clamps. The ladder type cable tray is also available with special purpose, slotted marine or strut rungs to facilitate banding or clamping cables. Cable attachment is particularly important on vertical runs or when the tray is installed on its side. Ladder rung spacing should be chosen to provide adequate cable attachment points while allowing the cables to exit the system.

## Fitting Radius

### CABLE FLEXIBILITY

The proper bend radius for cable tray fittings is usually determined by the bend radius and stiffness of the tray cables to be installed. Typically, the tray cable manufacturer will recommend a minimum bend allowance for each cable. The fitting radius should be equal to or larger than the minimum bend radius of the largest cable which may ever be installed. When several cables are to be placed in the same cable tray, a larger bend radius may be desirable to ease cable installation.

#### Space Limitations

The overall dimensions for a cable tray fitting will increase as the bend radius increases. Size and cost make the smallest acceptable fitting radius most desirable. When large radius fittings are required, the system layout must be designed to allow for adequate space.

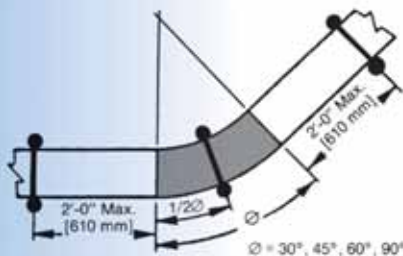
## Fittings Installation

### RECOMMENDED SUPPORT LOCATIONS FOR FITTINGS

The following are recommended support diagrams to serve as guidelines for installing Steel Cable Tray support systems in the field. The information is intended to provide the installer some practical assistance when estimating the amounts of necessary supports and to help in identifying support locations for various field conditions. However, it does not cover every situation that may arise when installing the product. It may be possible to install narrow trays with lighter loads and fewer supports. Wider trays with heavier loading, trays with long radii, or those with multiple side cuts may require additional support to avoid unwanted deflection.

### HORIZONTAL ELBOW SUPPORT

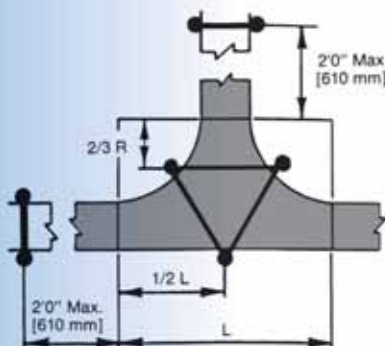
Supports for horizontal cable tray fittings should be placed within 2 ft. (600 mm) of each fitting extremity, and as follows:



- a. 90° supports at the 45° point of arc.
- b. 60° supports at the 30° point of arc.
- c. 45° supports at the 22-1/2° point of arc (except for the 12 in. [300 mm] radii).
- d. 30° supports at the 15° point of arc (except for the 12 in. [300 mm] radii).

### HORIZONTAL TEE SUPPORT

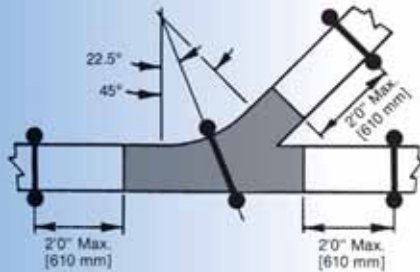
Place horizontal tee supports within 2 ft. (600 mm) of each of the three openings connected to other cable tray items for the 12 in. (300 mm) radii. On all other radii, at least one additional support should be placed under each side rail at the horizontal tee, preferably as shown.



## Other Factors To Consider

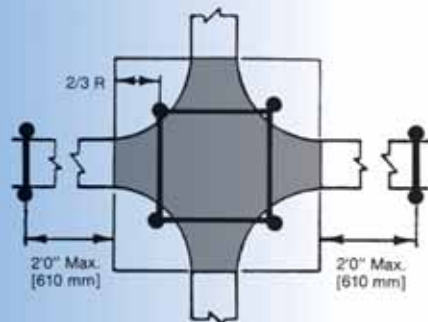
### HORIZONTAL Y SUPPORT

Place horizontal Y supports within 2 ft. (600 mm) of each of the three openings connected to other cable tray items, and at 22-1/2° point of the arc adjacent to the side branch.



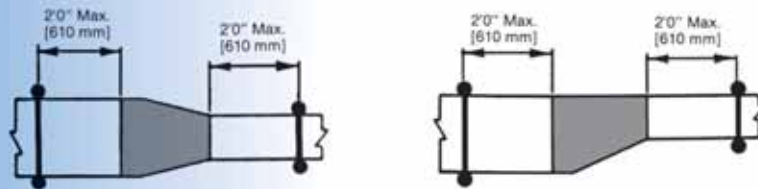
### HORIZONTAL CROSS SUPPORT

Place horizontal cross support within 2 ft. (600 mm) of each of the four openings connected to other cable tray items for the 12 in. (300 mm) radius. On all other radii, at least one additional support should be placed under each side rail of the horizontal cross, preferably as shown.



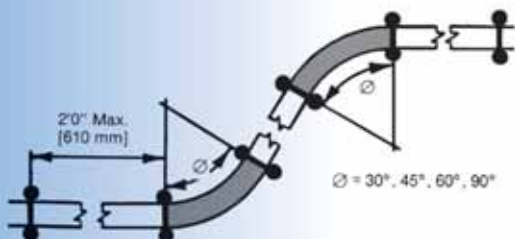
### REDUCER SUPPORT

Place reducer supports within 2 ft. (600 mm) of each fitting extremity.



### VERTICAL CABLE TRAY ELBOWS

Vertical cable tray elbows at the top of runs should be supported at each end. At the bottom of runs, they should be supported at the top of the elbow and within 2 ft. (600 mm) of the lower extremity of the elbows.



Side View

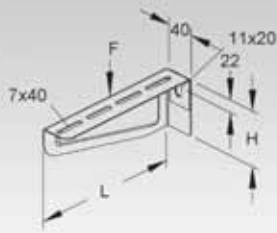


# GENERAL INFORMATION

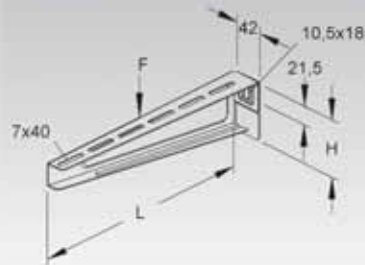
## Hole Patterns

### KTAM...

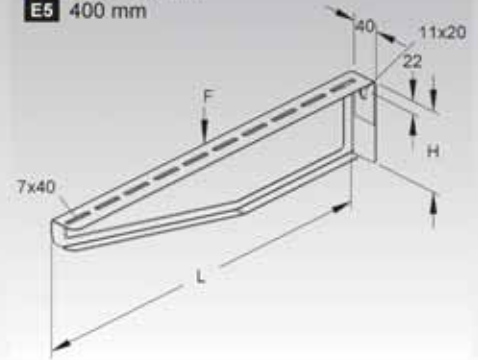
**S** 100 - 200 mm  
**E3** 100 - 300 mm  
**E5** 100 - 300 mm



**S** 300 - 400 mm

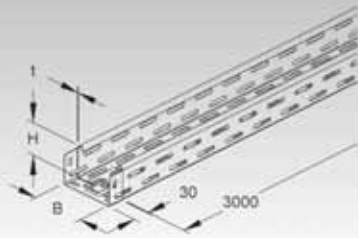


**S** 500 - 600 mm  
**E5** 400 mm

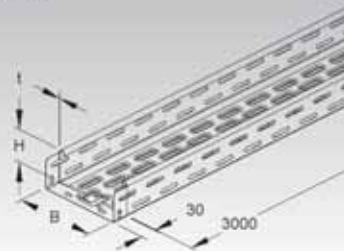


### RLV 60...

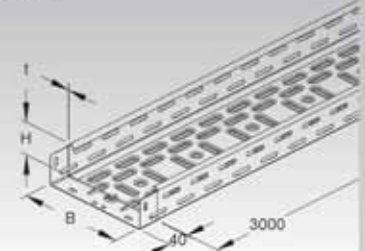
100 mm



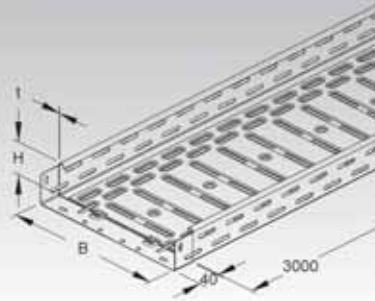
150 mm



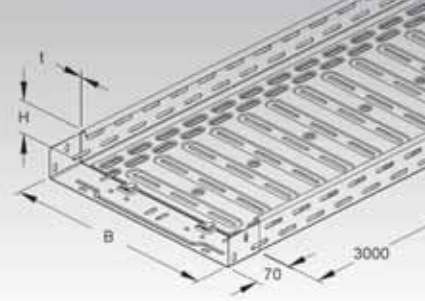
200 mm



300 mm



400 mm

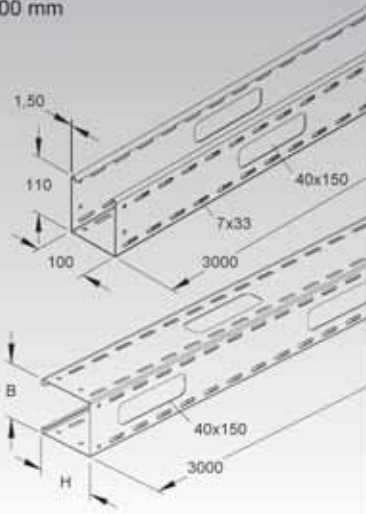




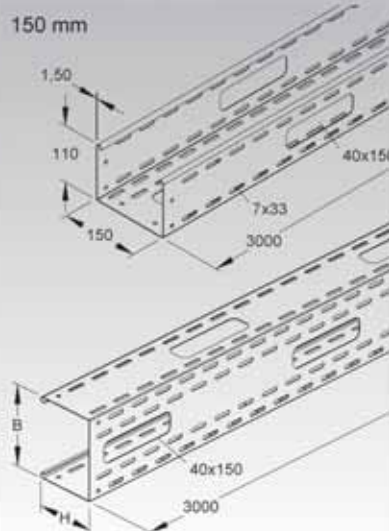
## Hole Patterns

### RSV 110...

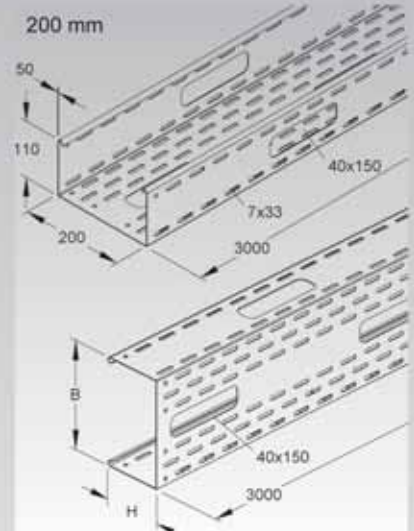
100 mm



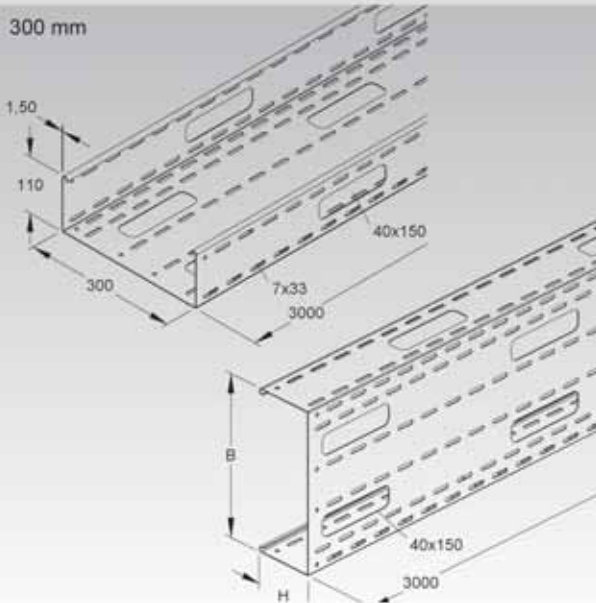
150 mm



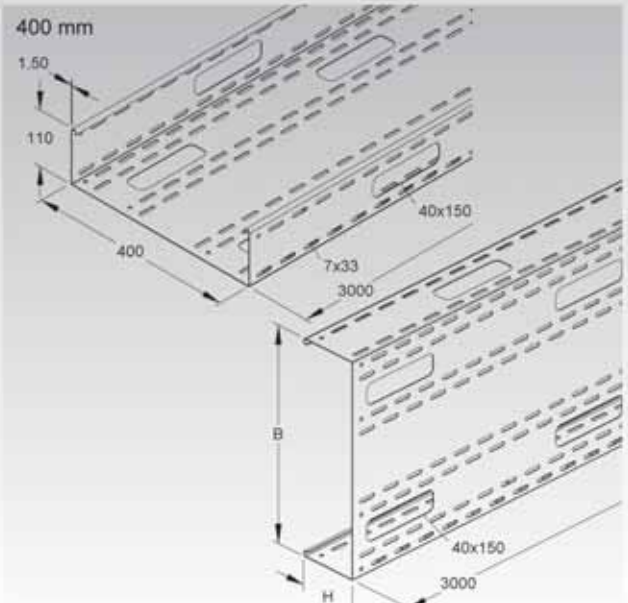
200 mm



300 mm



400 mm

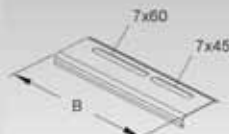


### RKB...

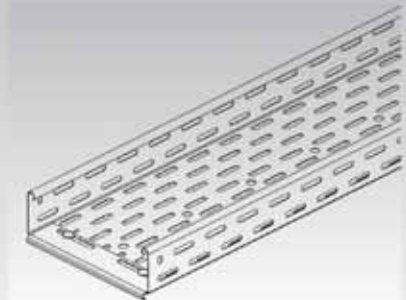
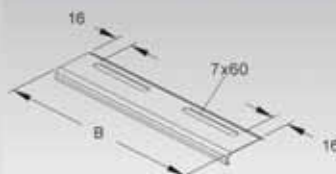
100 mm



150 mm

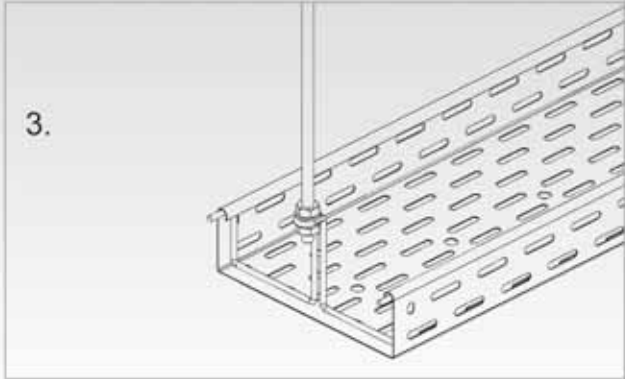
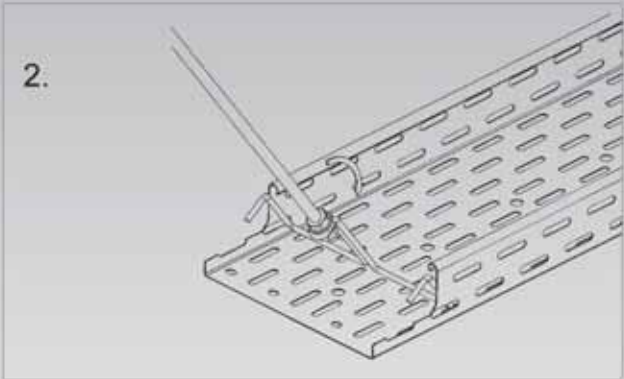
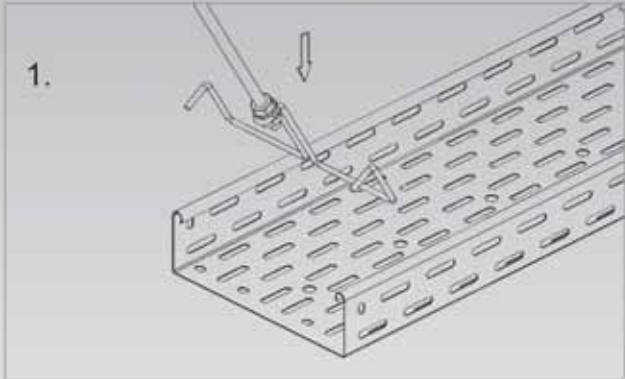


200 - 600 mm

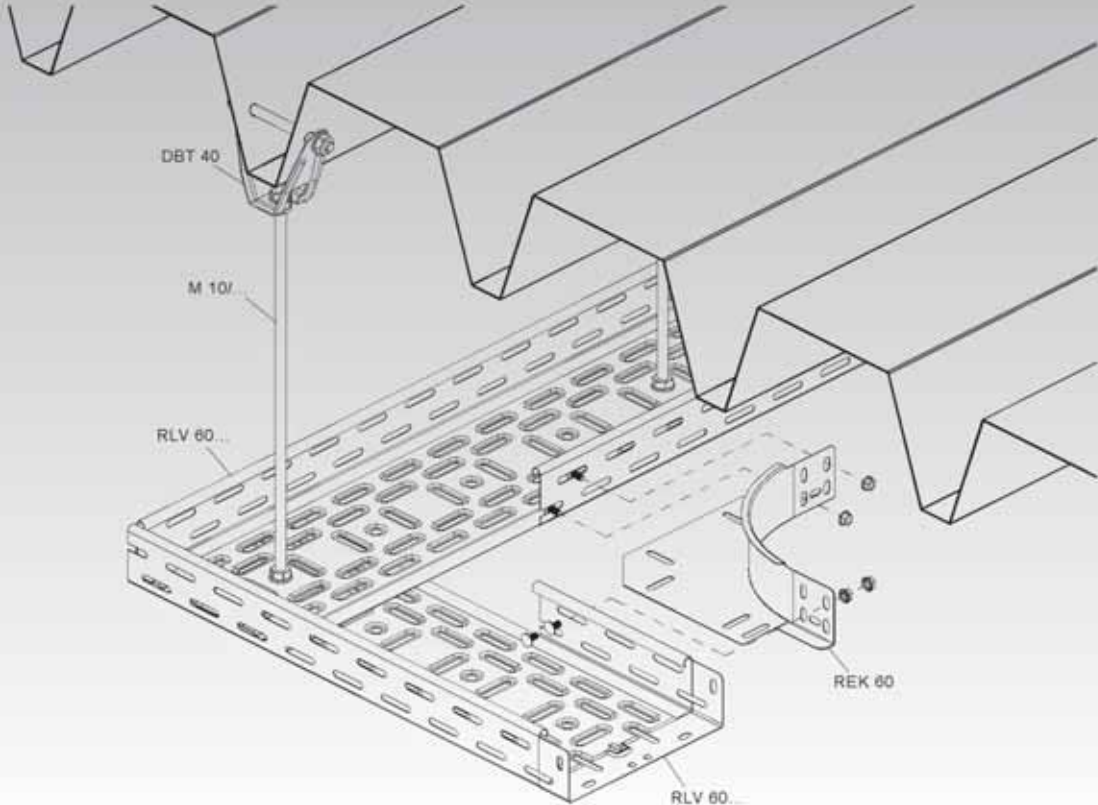


## Installation Instructions

### How to install REBI... type center hung bracket

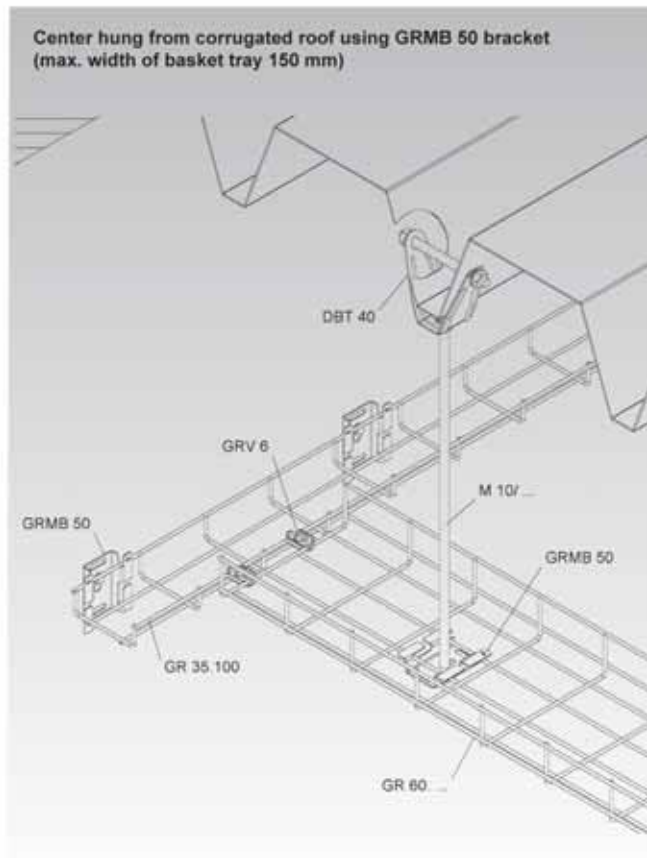
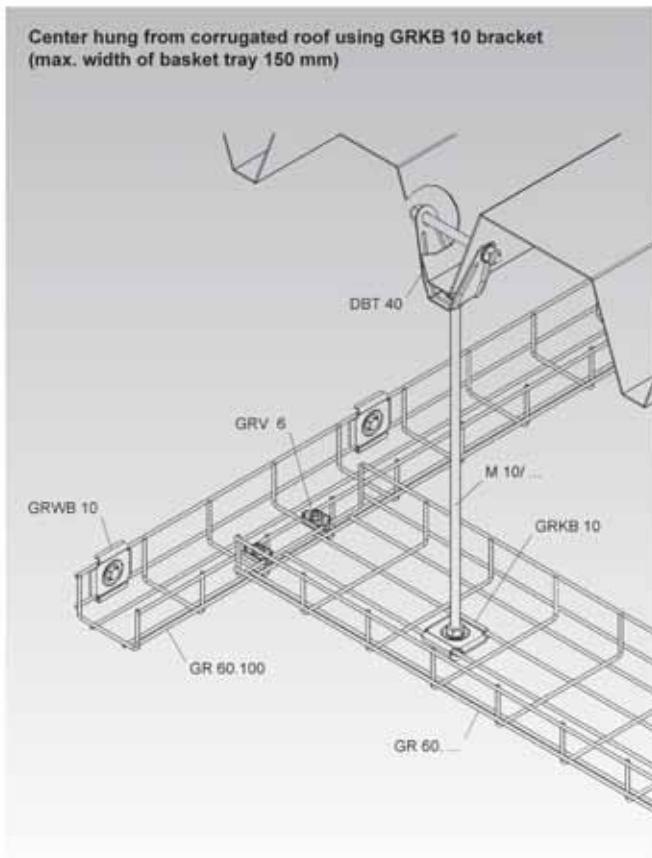
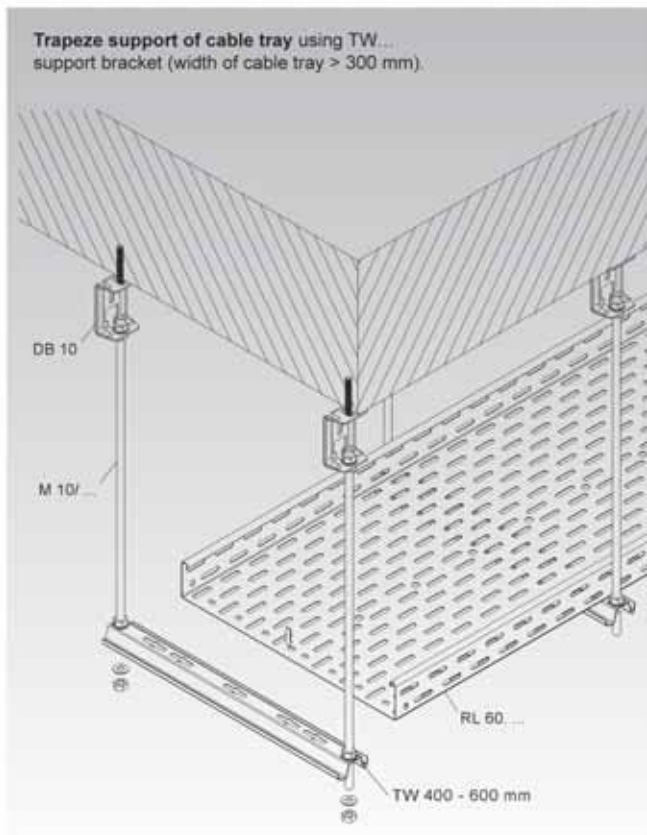
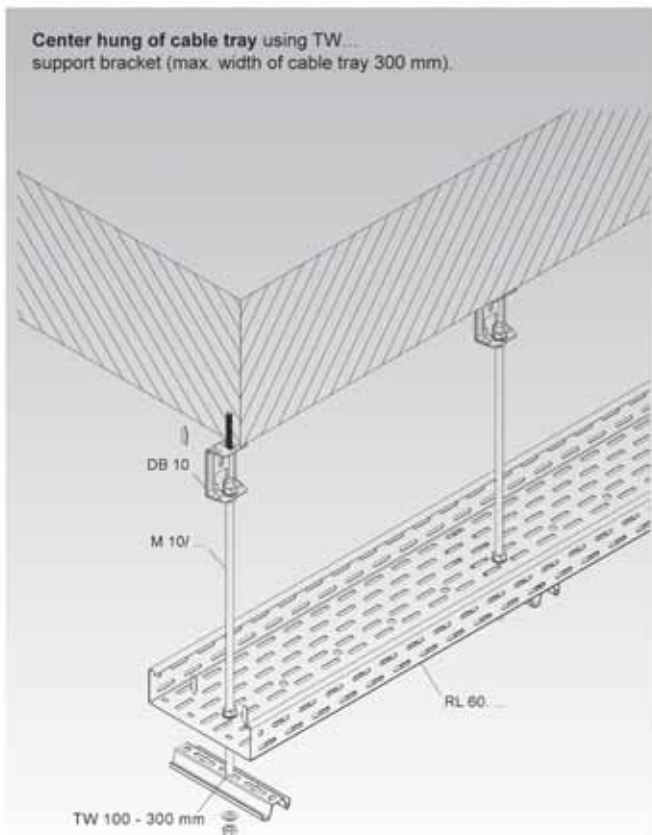


### Center hung of cable tray from corrugated roof using threaded rod



## Installation Instructions

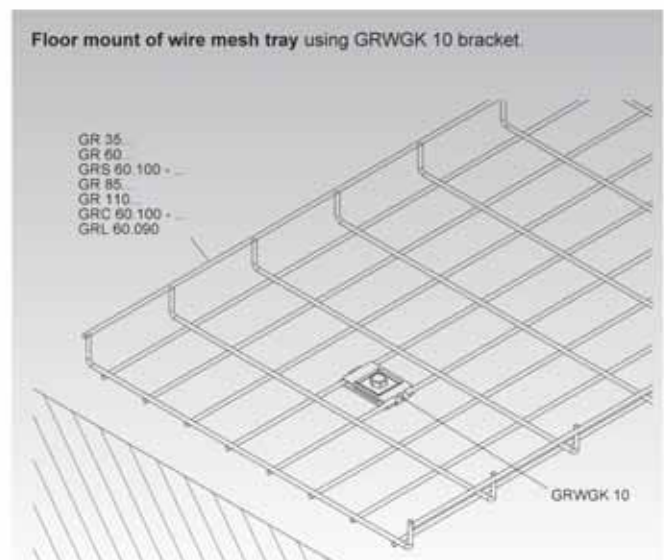
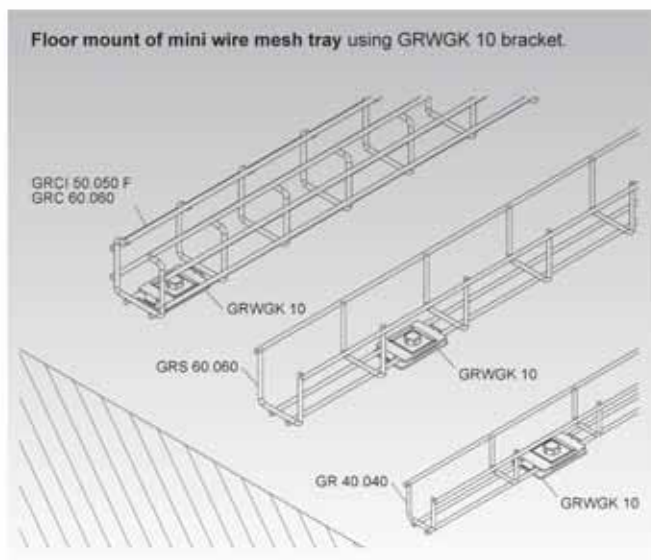
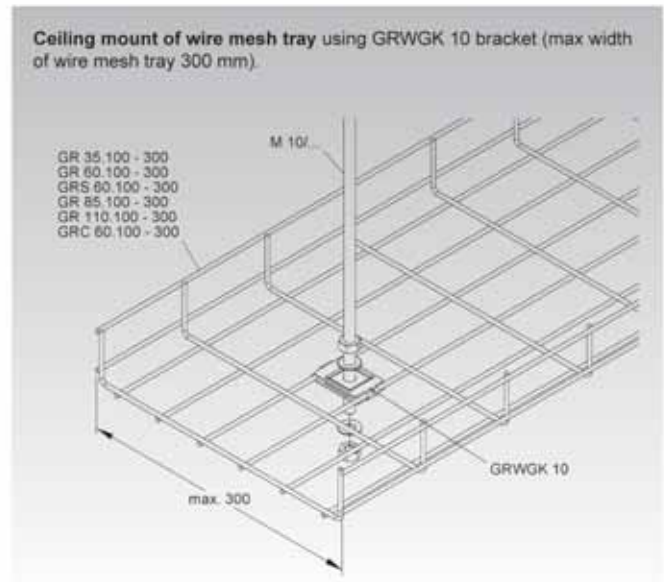
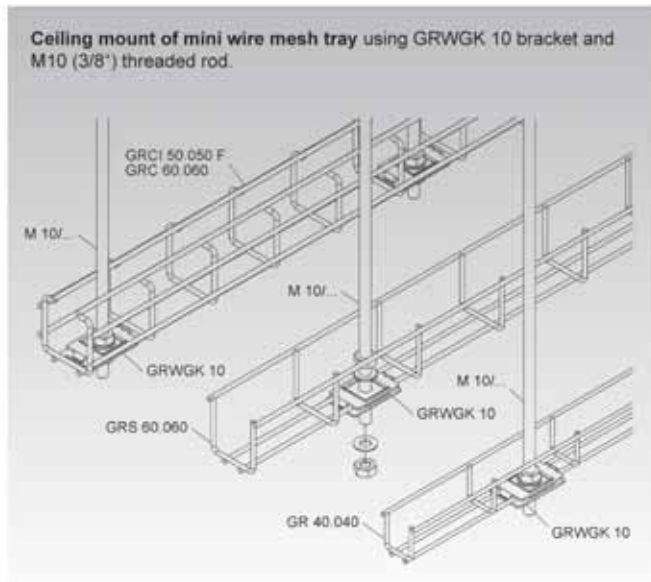
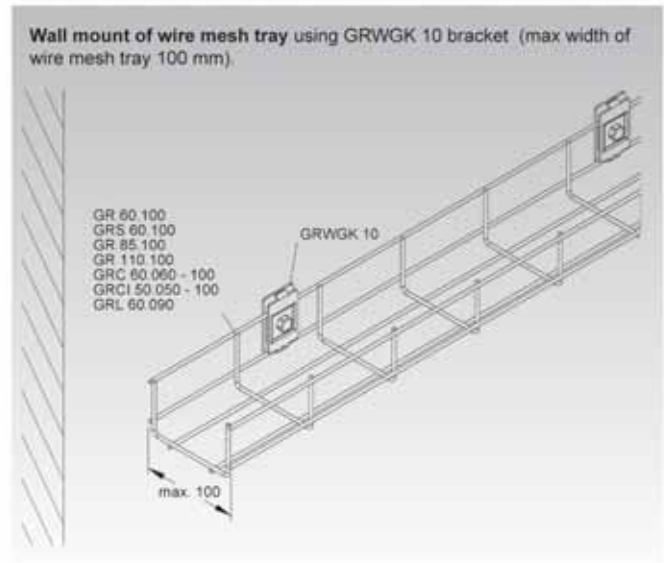
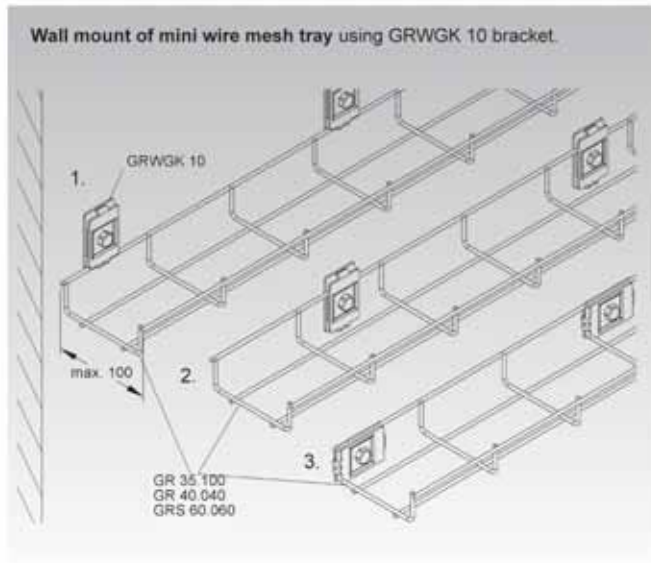
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# GENERAL INFORMATION

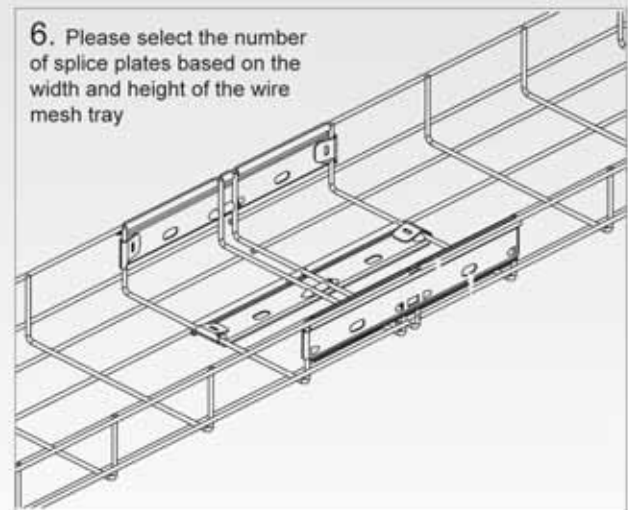
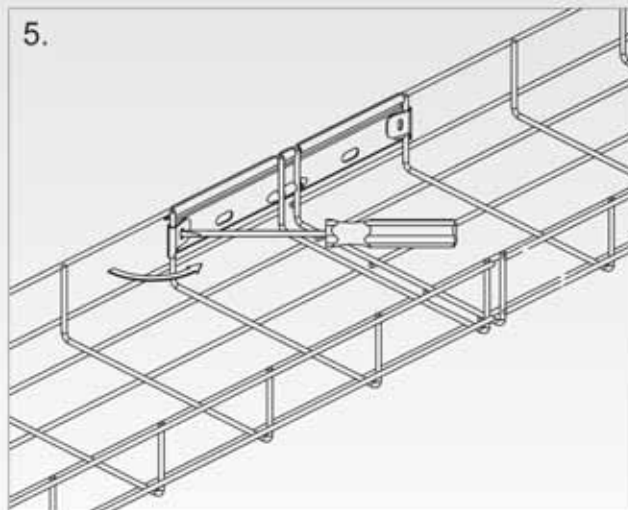
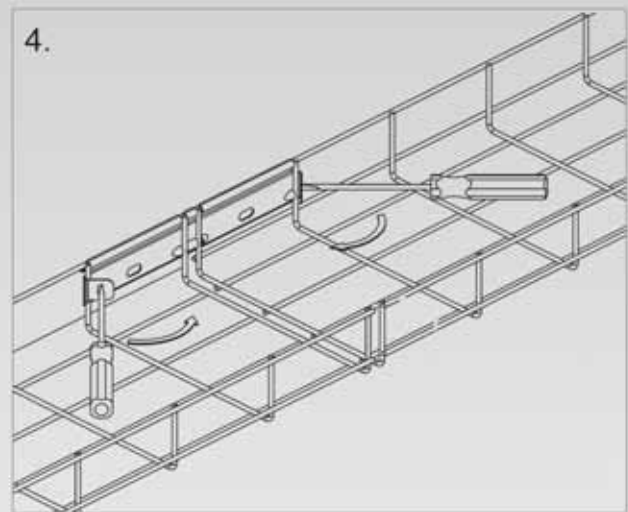
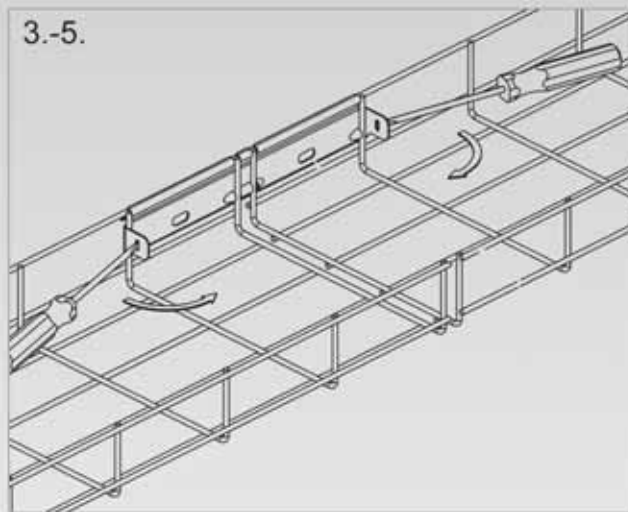
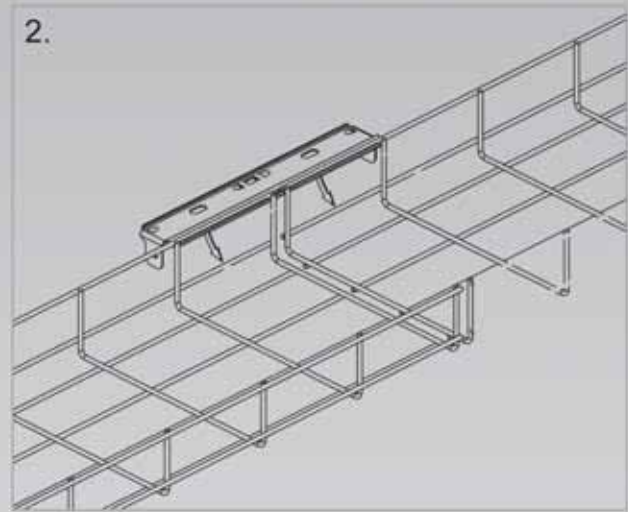
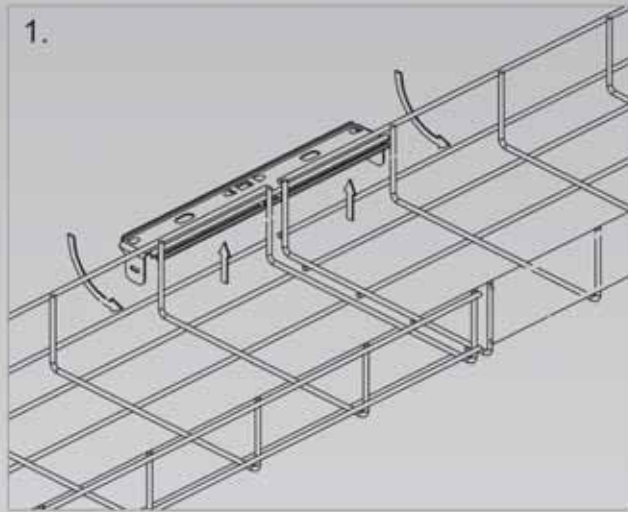
## Installation Instructions



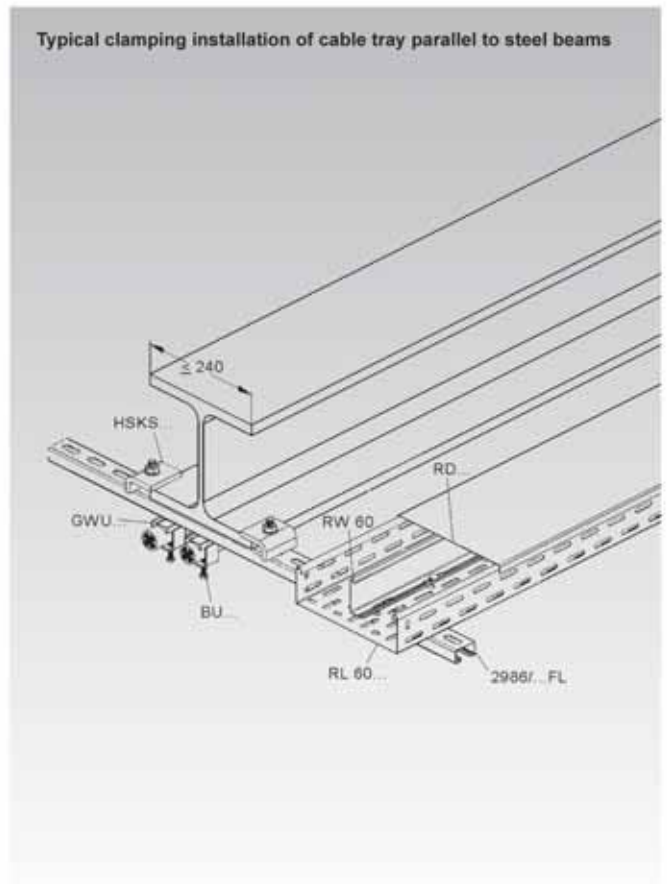
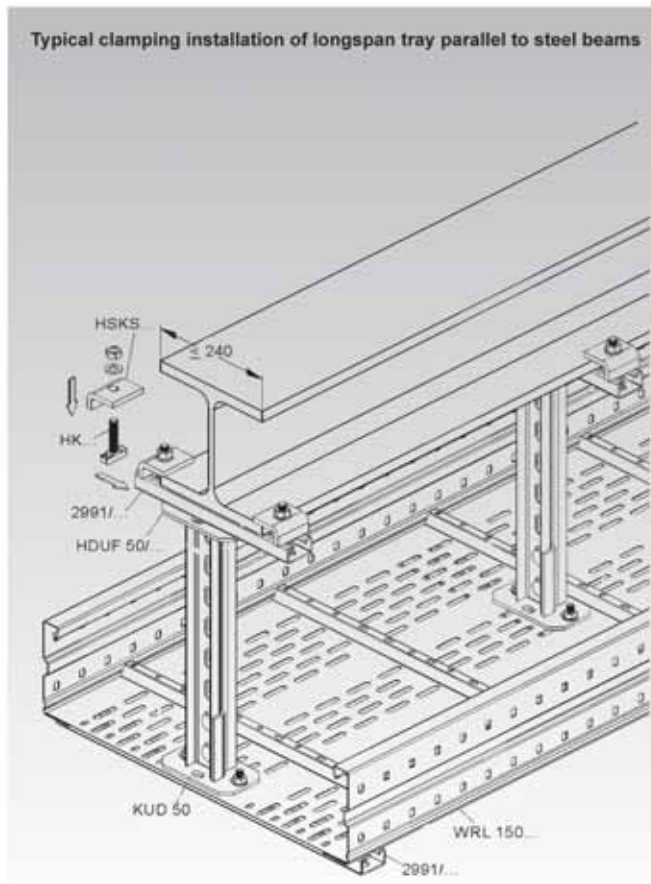
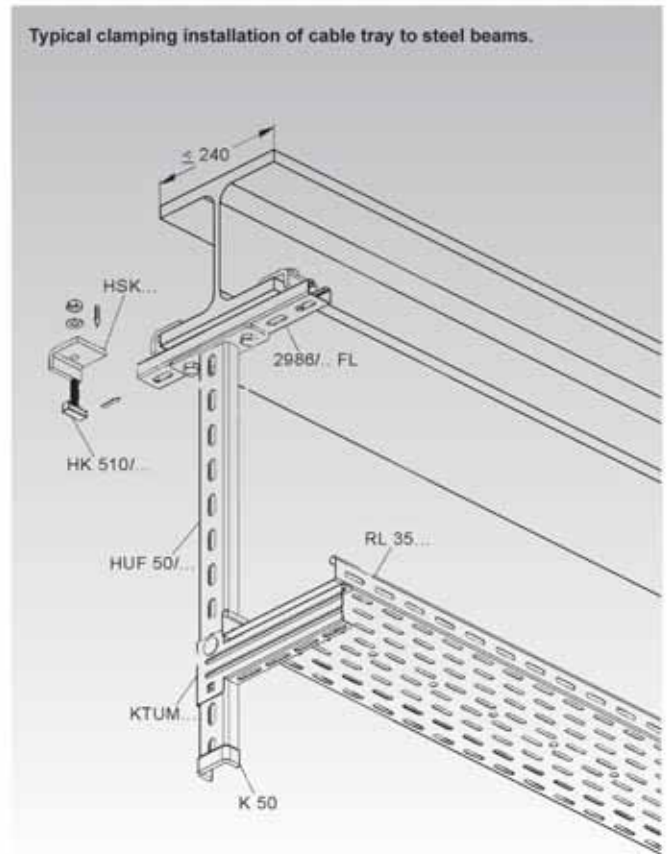
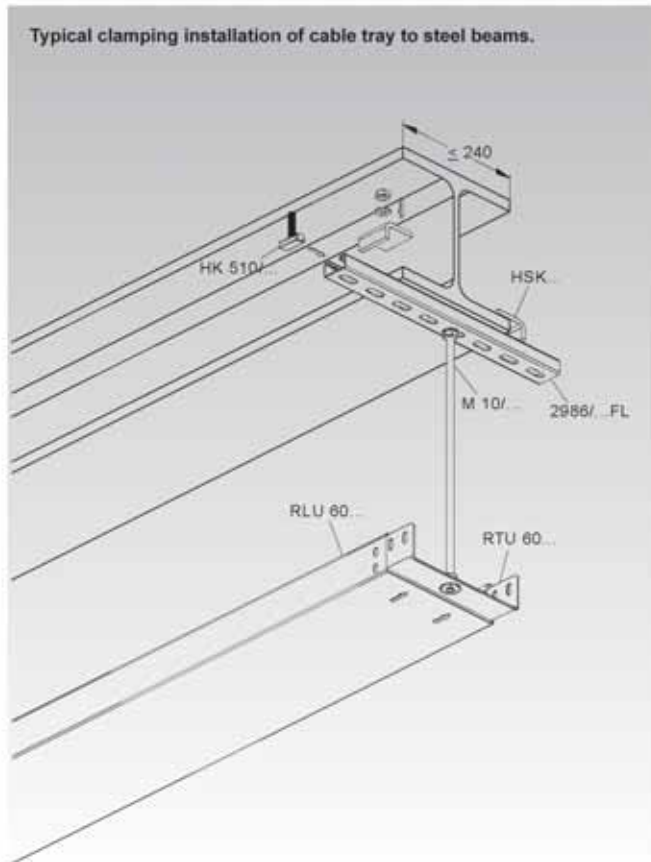


## Installation Instructions

### How to install the GRVS boltless splice plate for wire mesh tray

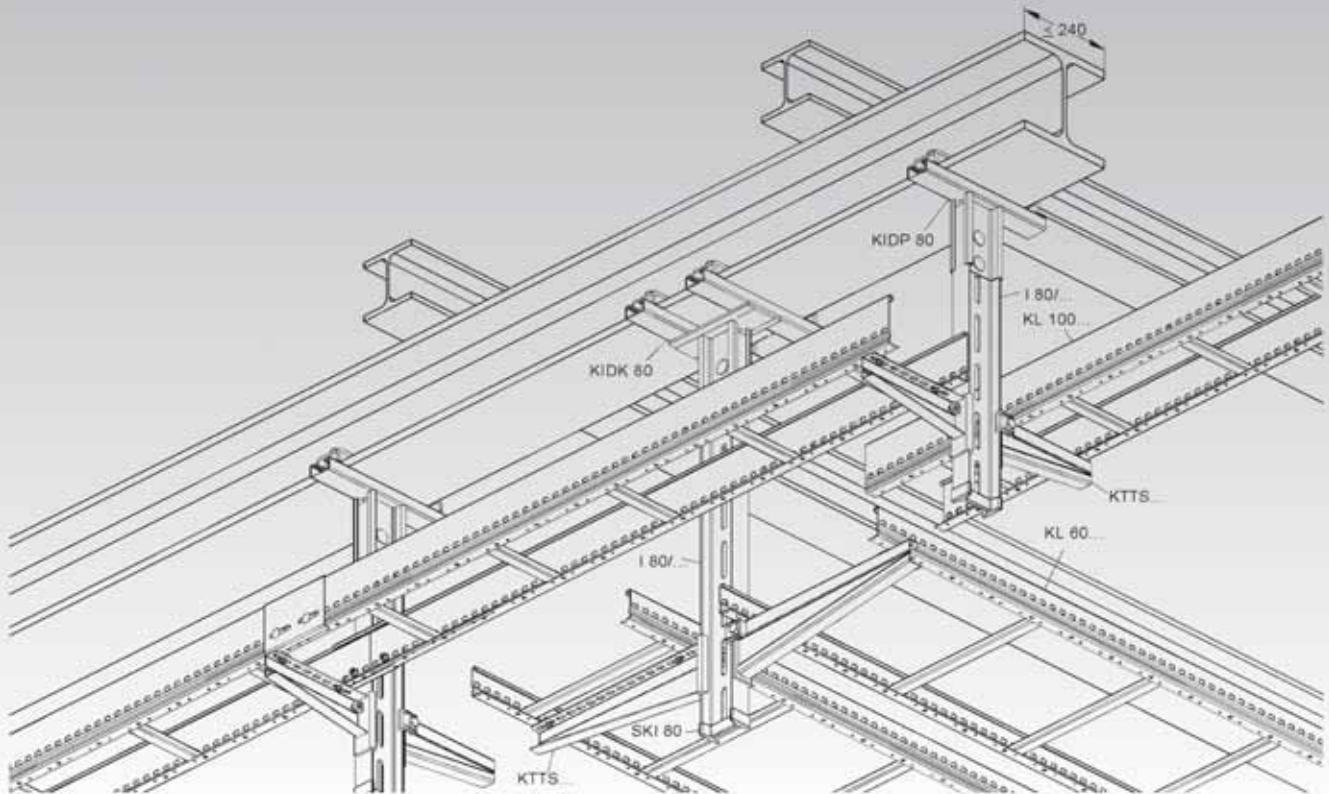


## Installation Instructions

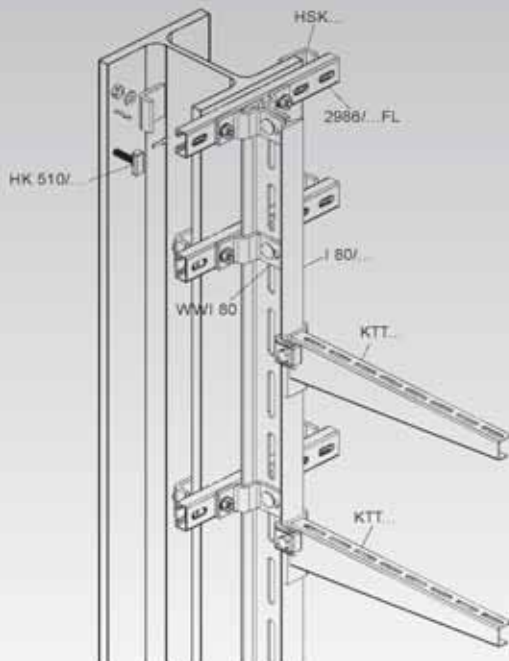


## Installation Instructions

Typical installations of cable tray and ladder parallel and crosswise to steel beams.

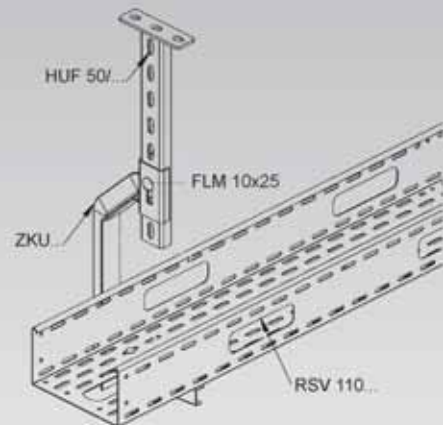


Typical installation of support brackets to vertical steel beams.



### ZKU...

use central hanger bracket to minimize torsional stress to the overhead hanger

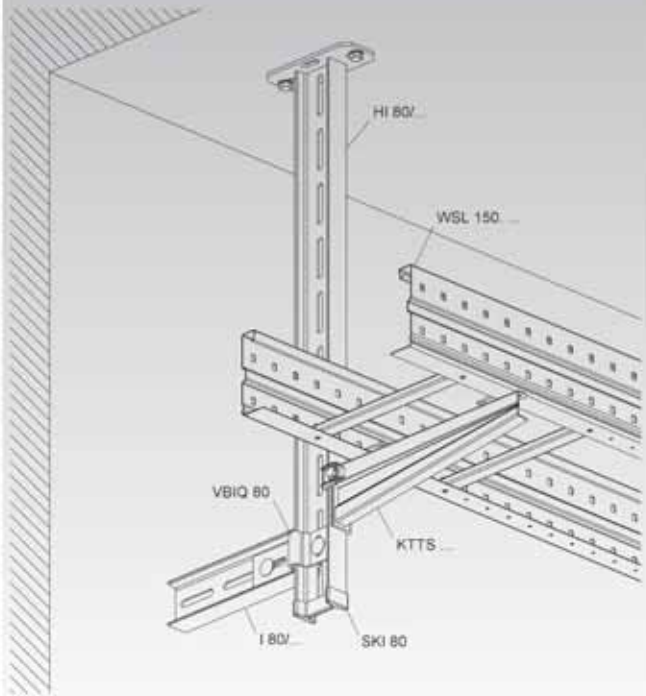




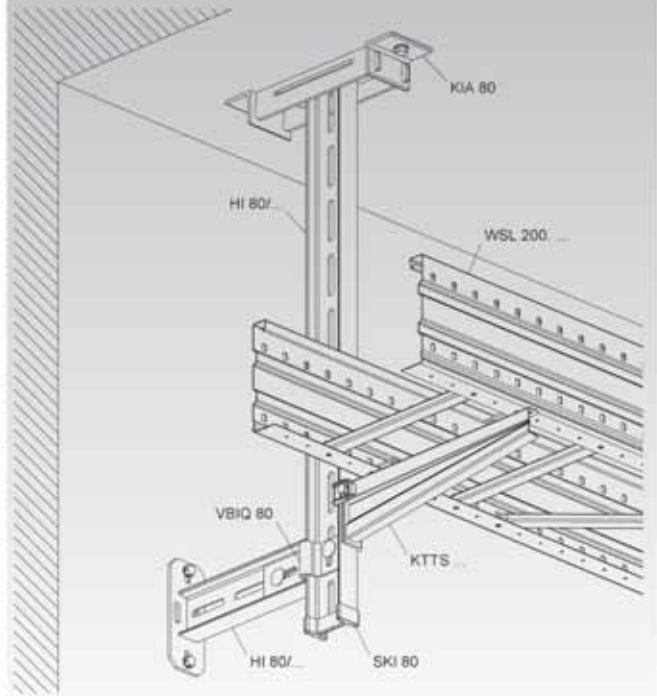
# GENERAL INFORMATION

## Installation Instructions

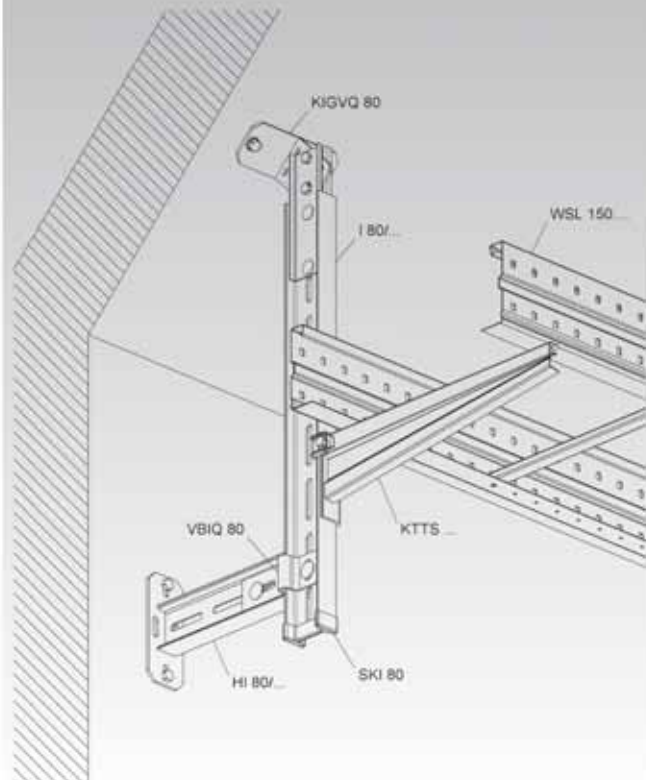
Typical installation of a heavy duty overhead hanger to a horizontal ceiling with extra wall support to minimize torsional stress.



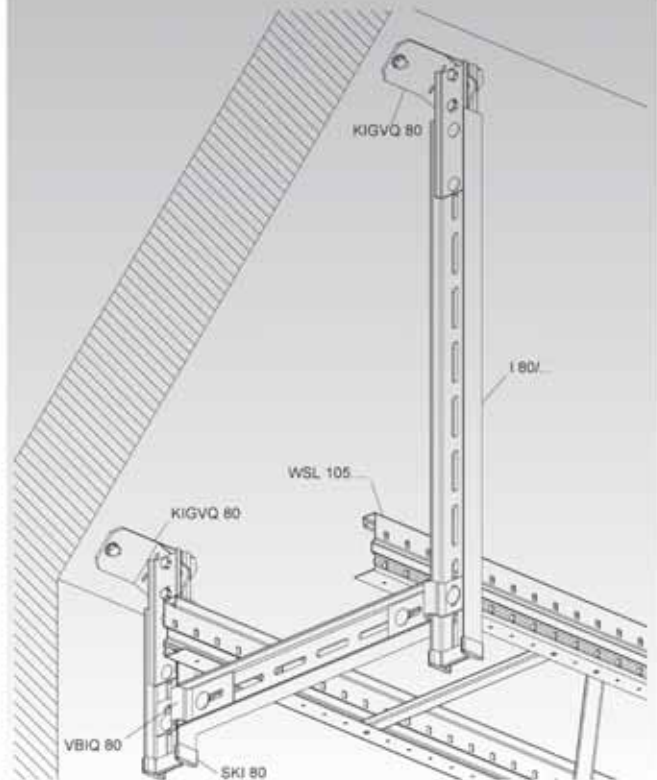
Reinforced mounting of a heavy duty overhead hanger to a horizontal ceiling with extra wall support to minimize torsional stress.



Typical installation of a heavy duty overhead hanger to a sloping ceiling with extra wall support to minimize torsional stress.



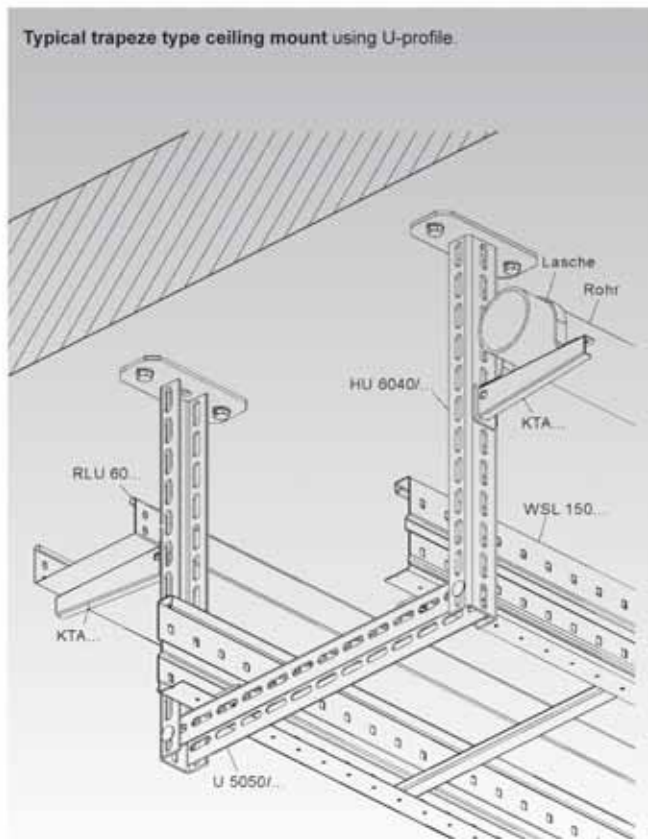
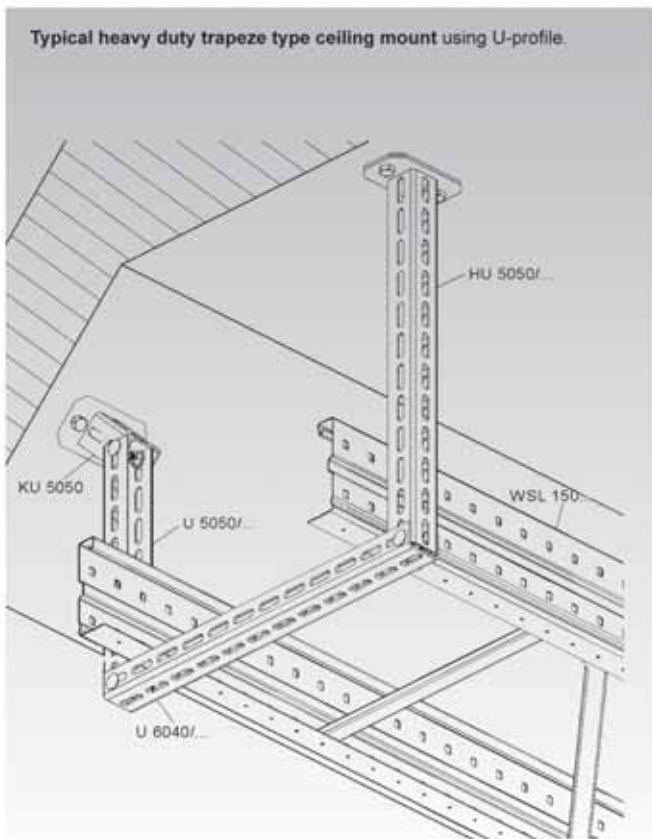
Trapeze type installation to a sloping ceiling using adjustable head plates and heavy duty I 80 profile.



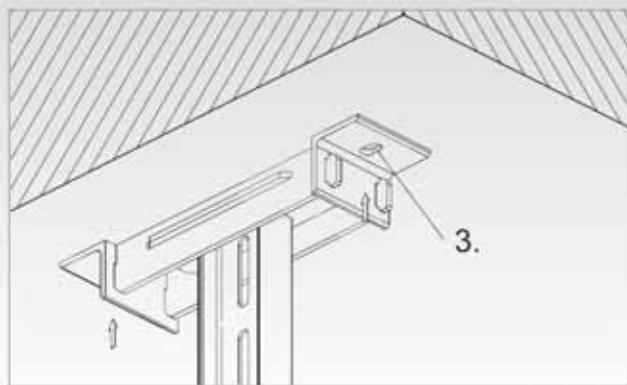
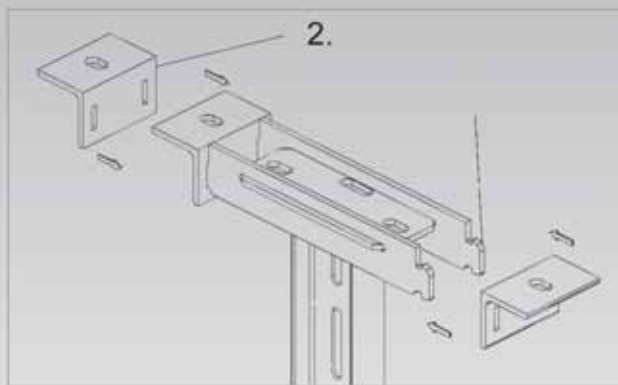
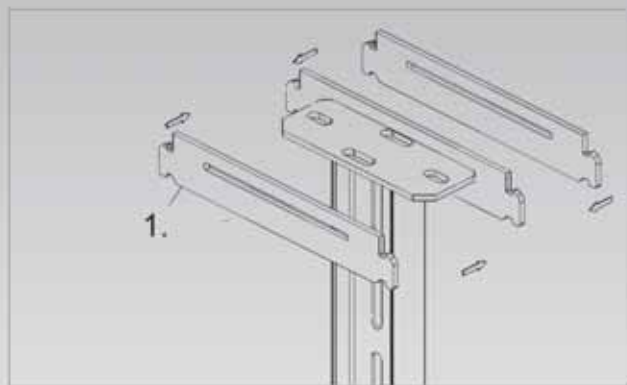


## Installation Instructions

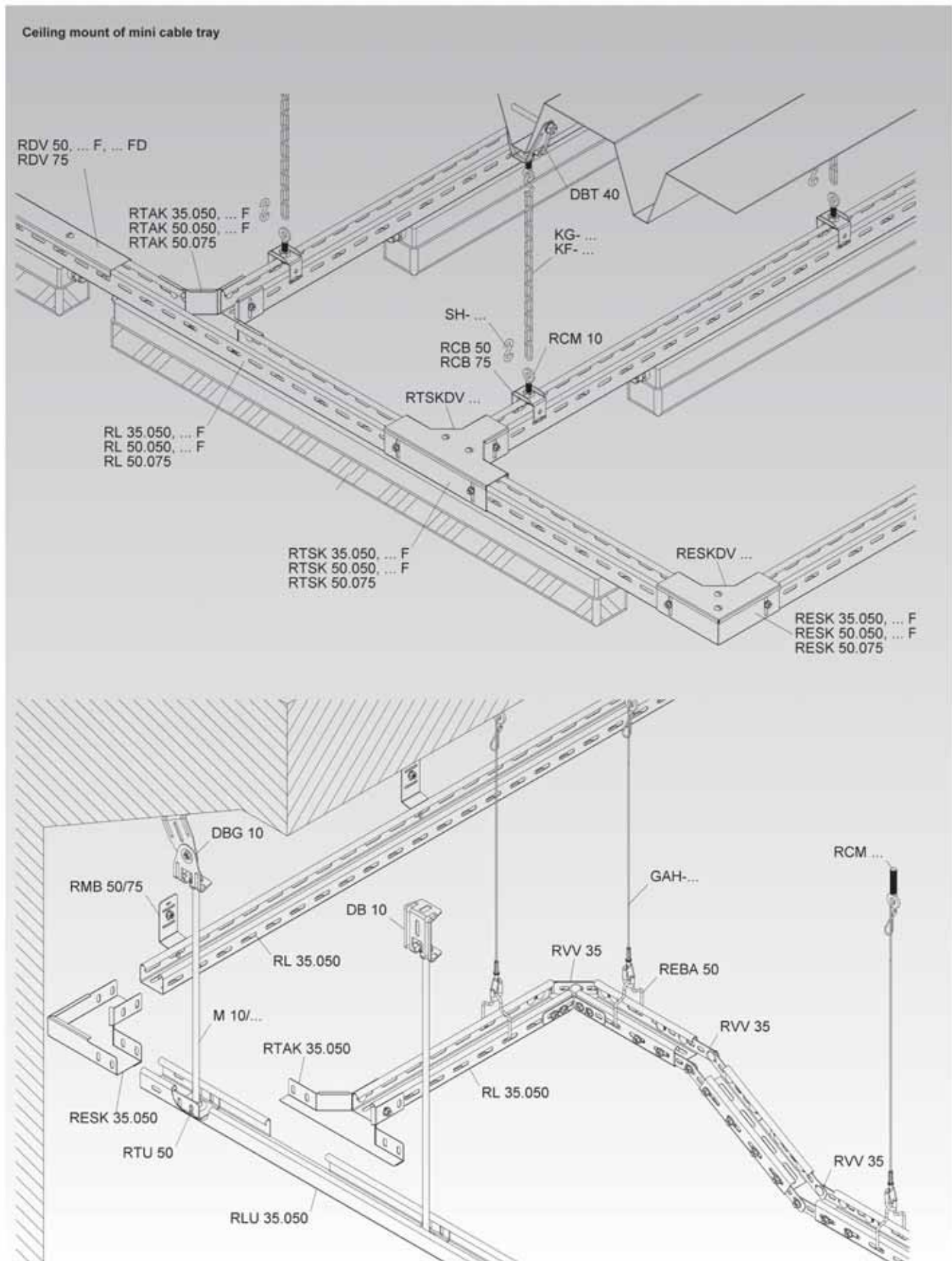
i



### How to install KIA 80 head plate extender



## Installation Instructions

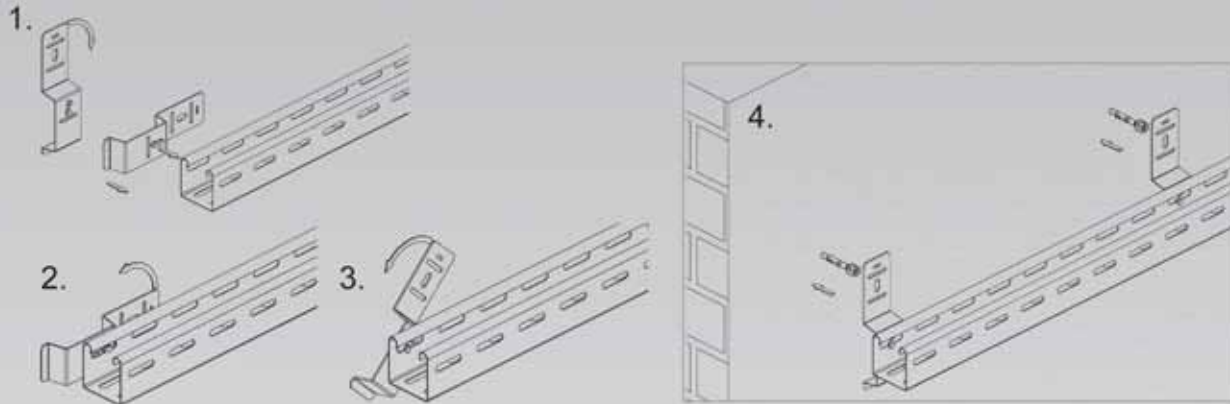


## Installation Instructions

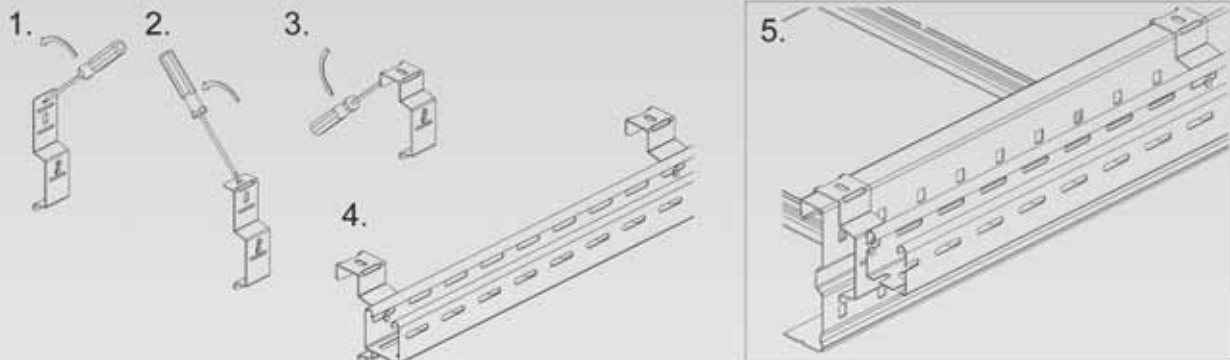
### RMB 50/75

The wall / long span cable tray system support bracket RMB 50/75 allows to mount the ventilated mini cable tray to walls or to the siderail of the long span cable tray system for separating data cables.

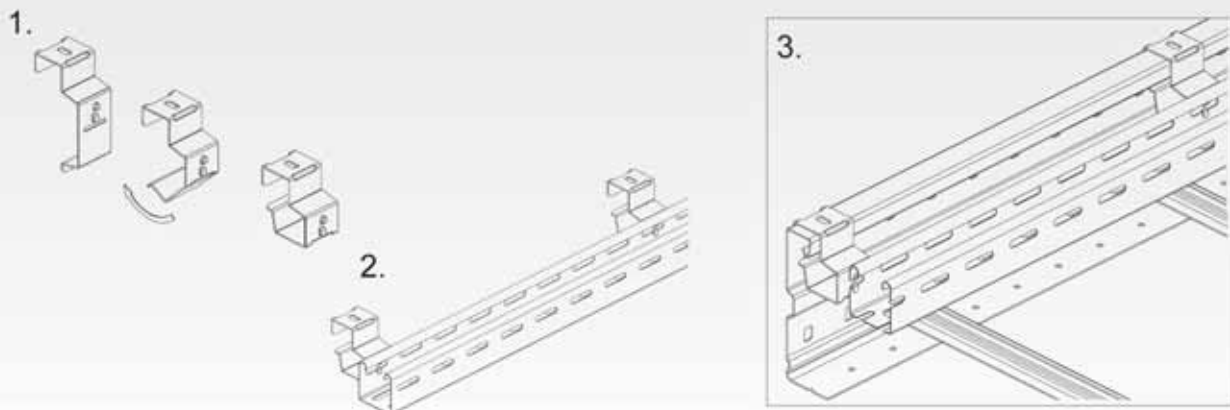
#### How to install mini cable tray to the wall using RMB 50/75 brackets



#### How to install mini cable tray on the outside of the longspan siderail



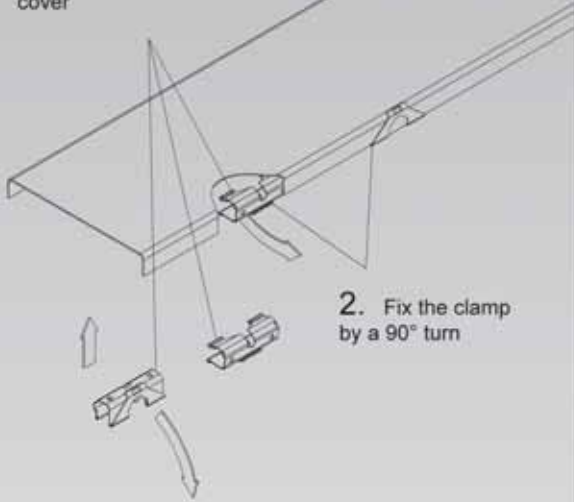
#### How to install mini cable tray on the inside of the longspan siderail



## Install-/Deinstall Instructions

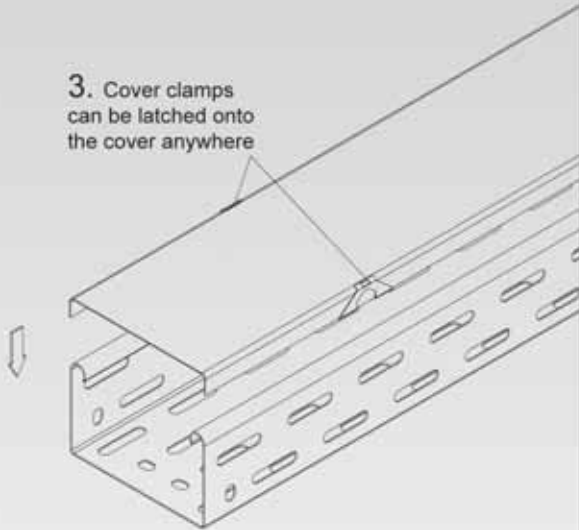
### how to install/deinstall the cover clamp

1. Put RDHF 9 E3 into position at the flange of the cover

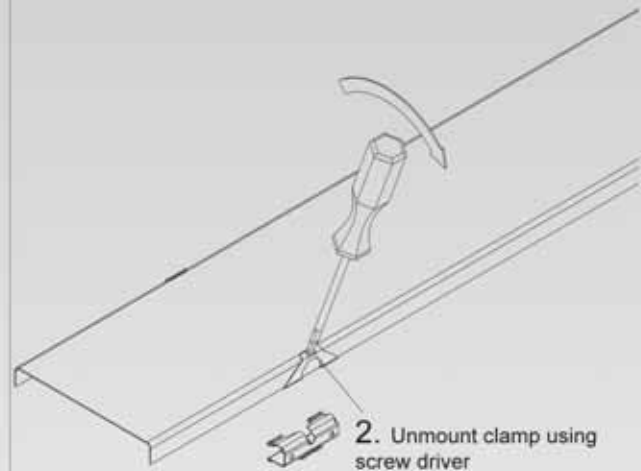
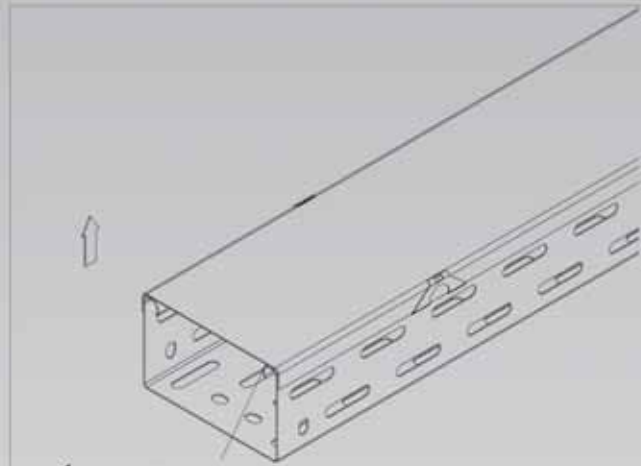


2. Fix the clamp by a 90° turn

3. Cover clamps can be latched onto the cover anywhere



1. strip off cover (clamp stays on cover)



2. Unmount clamp using screw driver

Cover clamp can be reused if removed properly.



## Installation Instructions

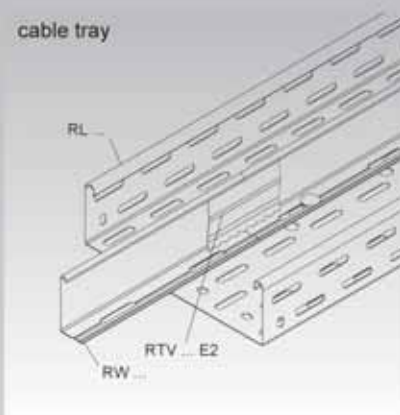
### RW...

Installing barrier strips to wire mesh or cable tray

wire mesh tray

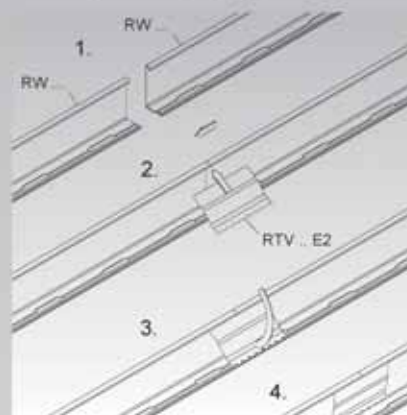


cable tray

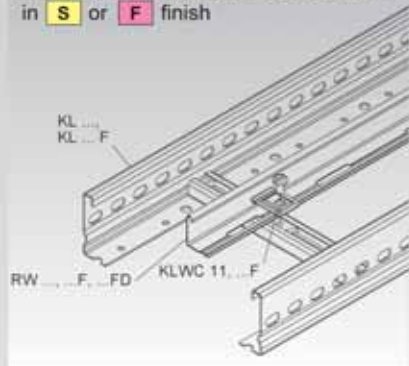


### RTV...

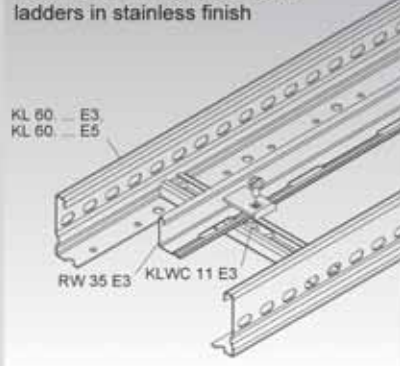
Installing barrier strip splice plate



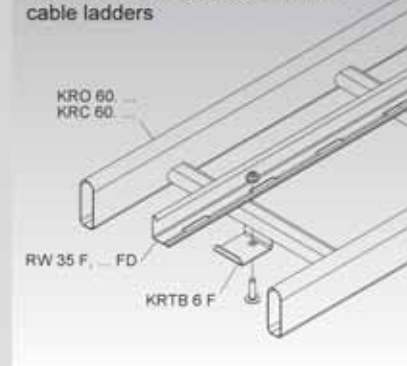
Installing barrier strips to cable ladders in **S** or **F** finish



installing barrier strips to cable ladders in stainless finish

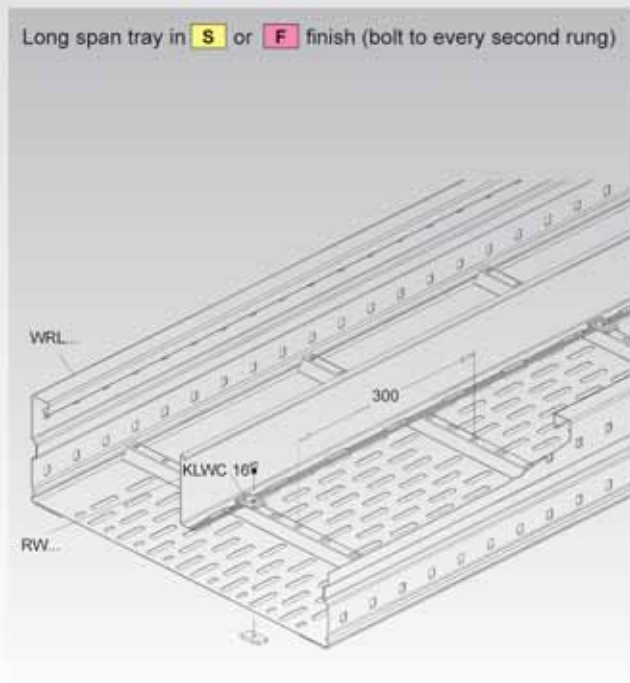


installing barrier strips to allround cable ladders

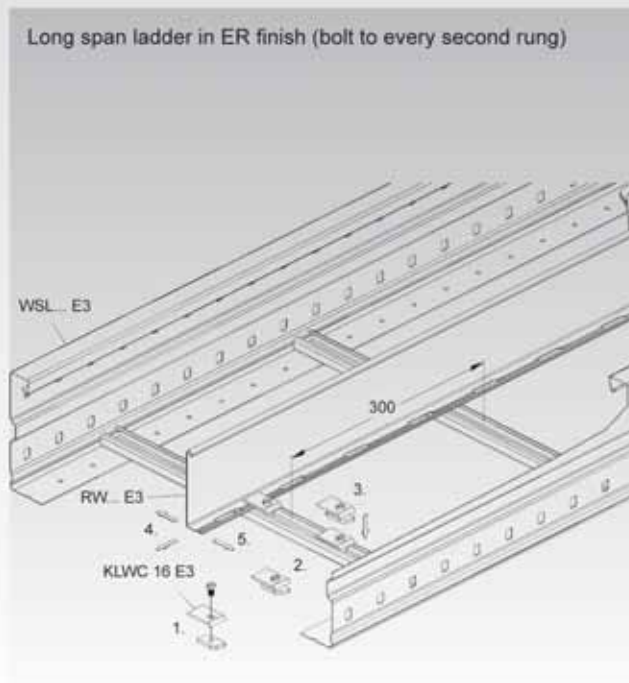


Installing barrier strips to long span tray or ladder

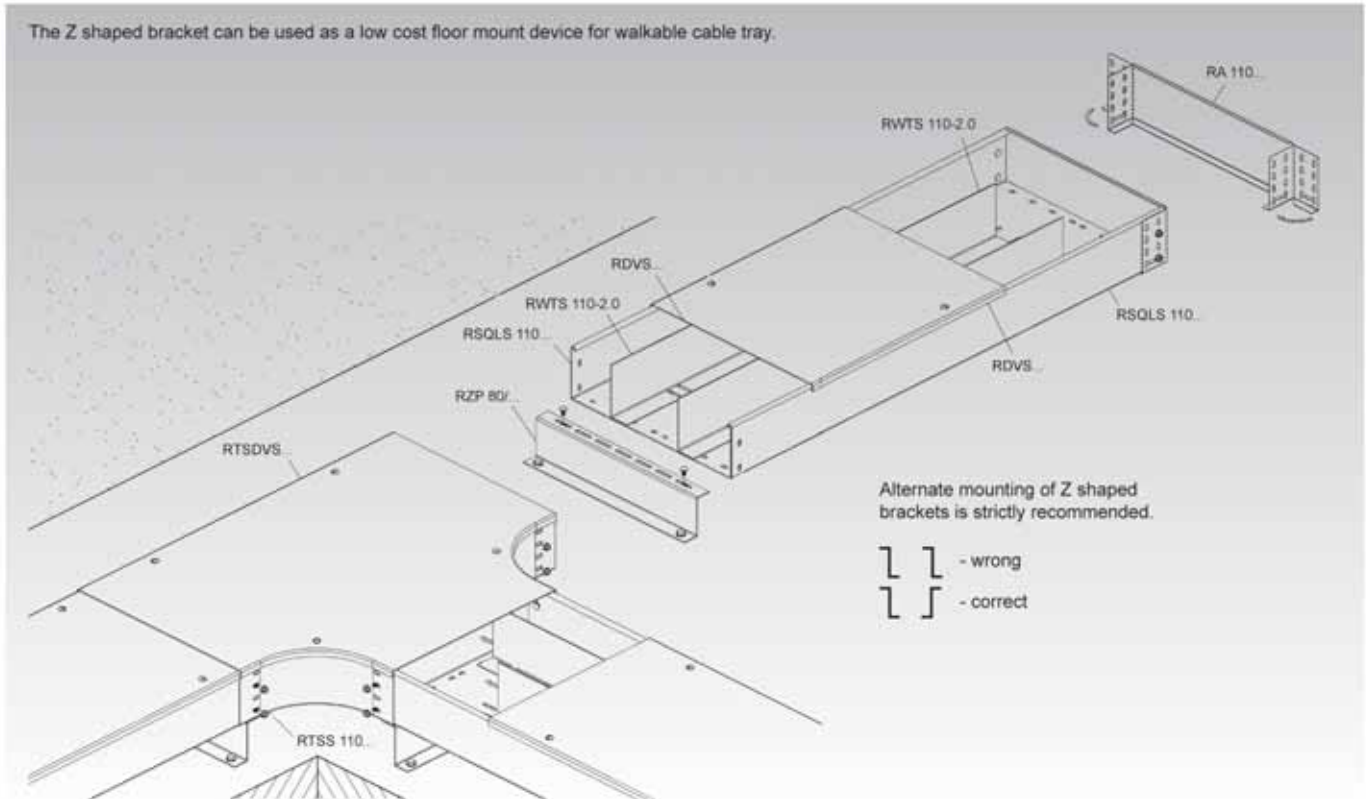
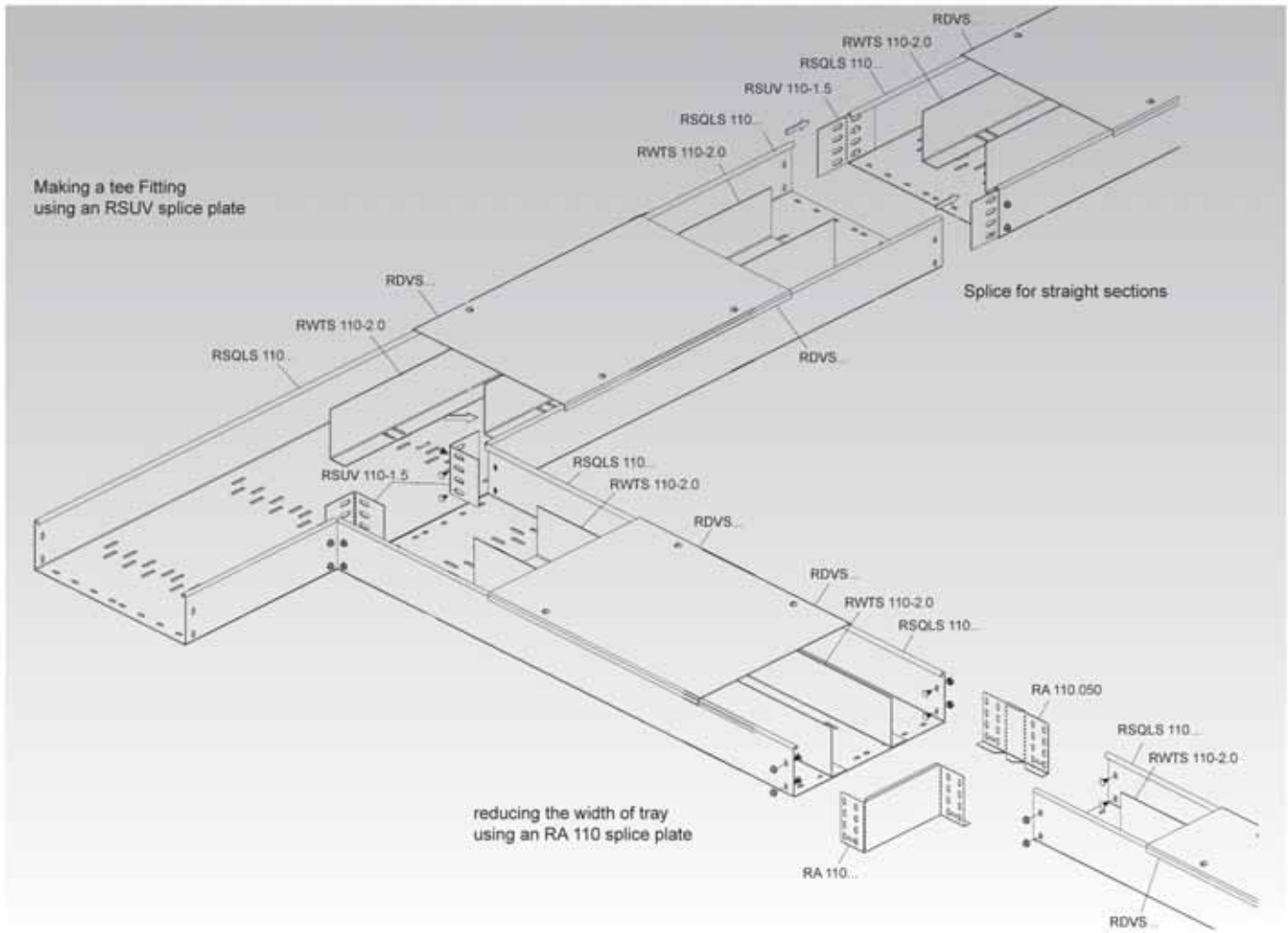
Long span tray in **S** or **F** finish (bolt to every second rung)



Long span ladder in ER finish (bolt to every second rung)

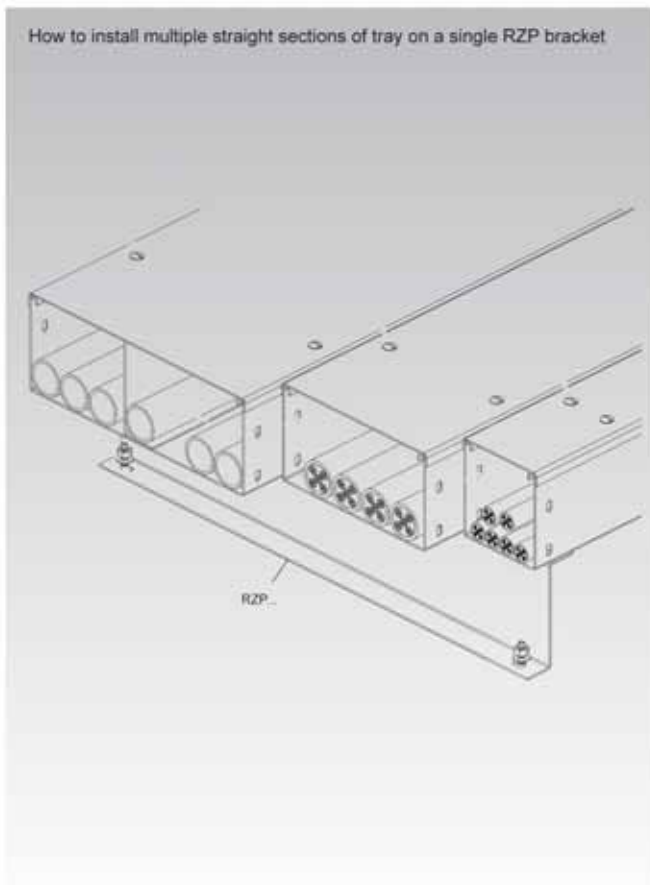


## Installation Instructions

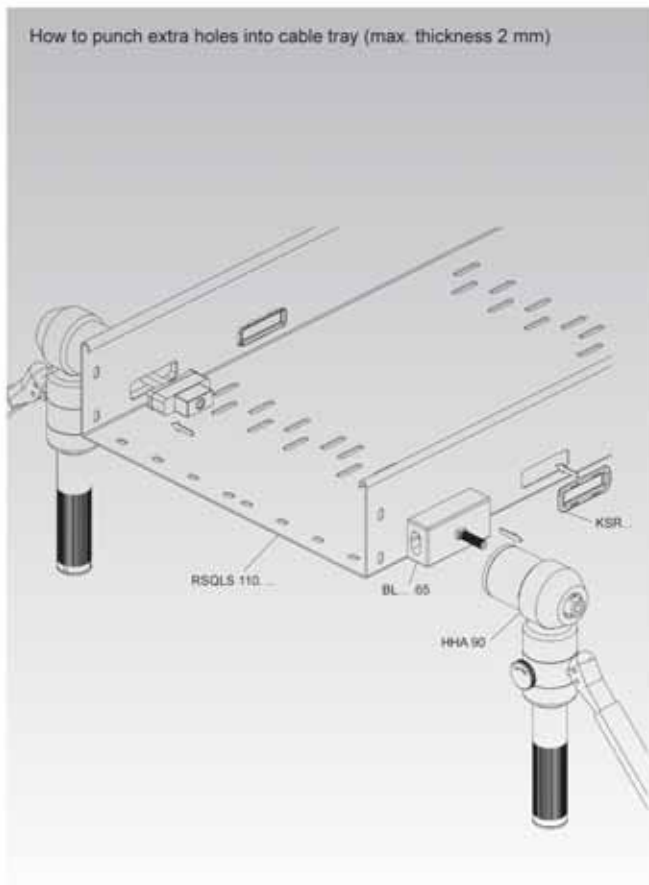


## Installation Instructions

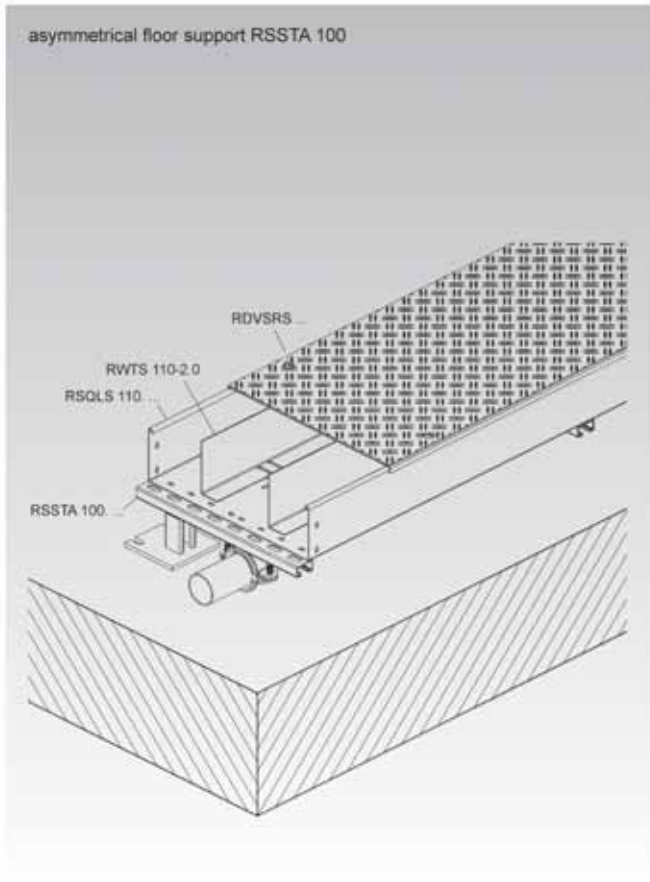
How to install multiple straight sections of tray on a single RZP bracket



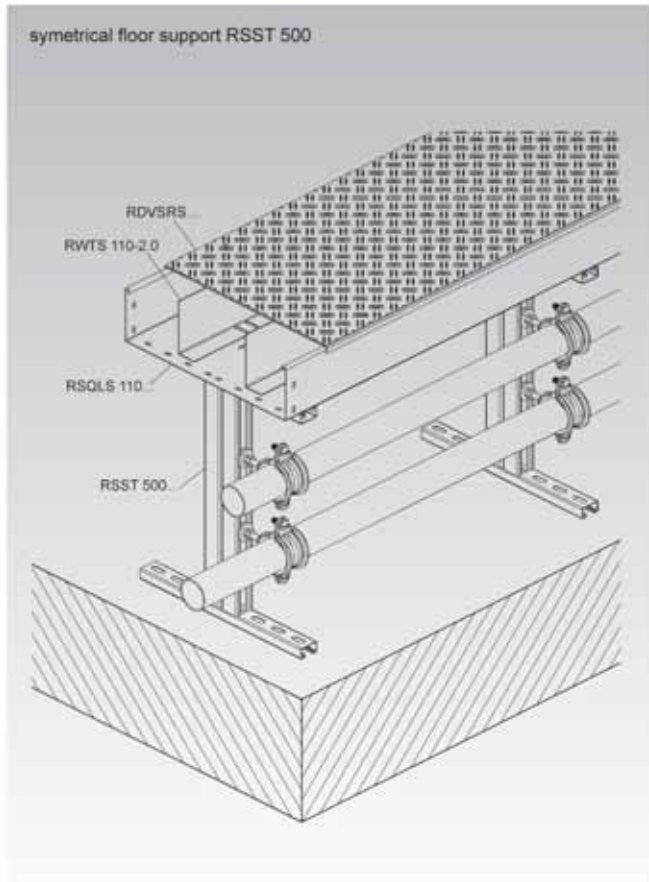
How to punch extra holes into cable tray (max. thickness 2 mm)



asymmetrical floor support RSSTA 100

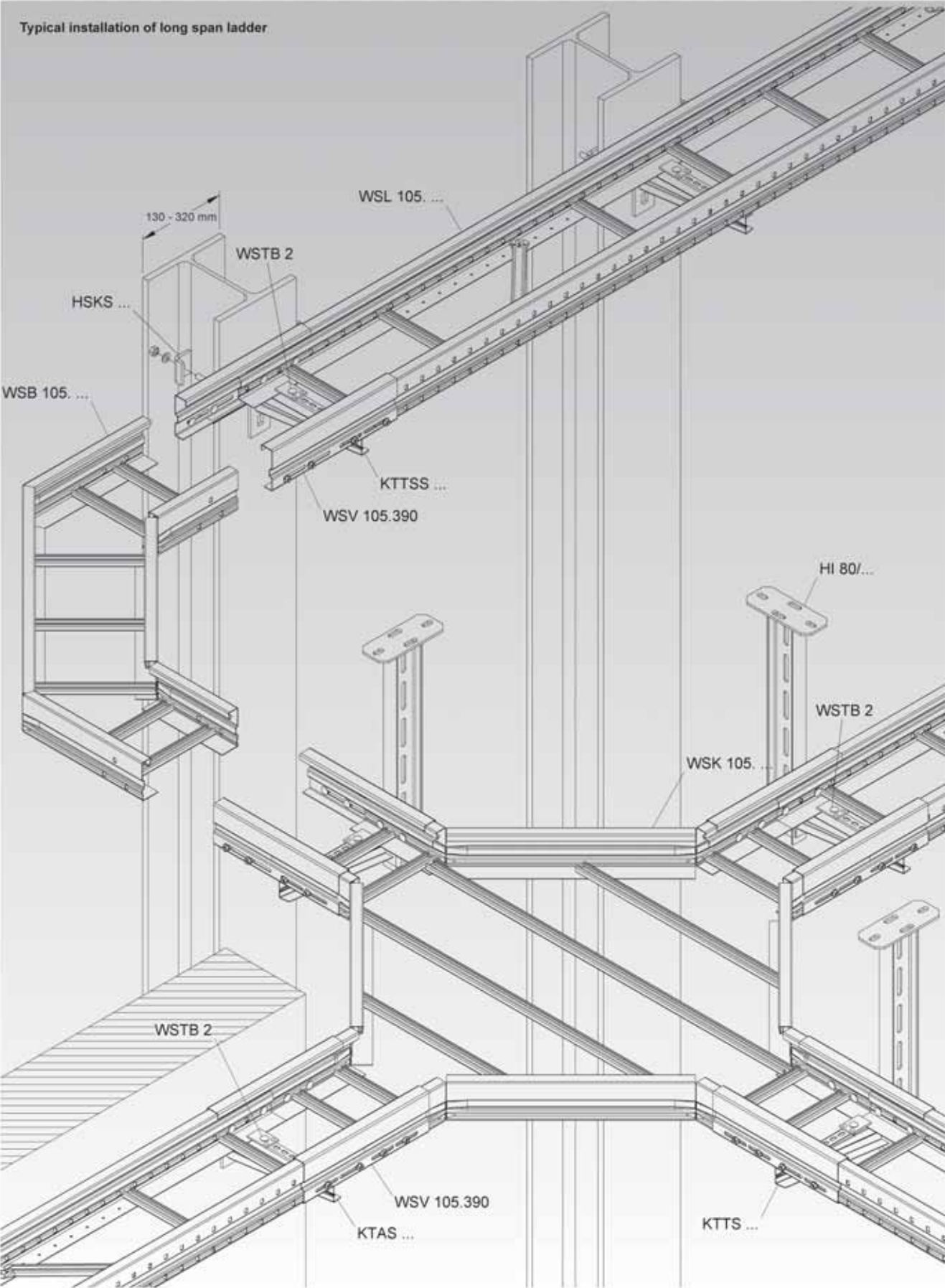


symetrical floor support RSST 500





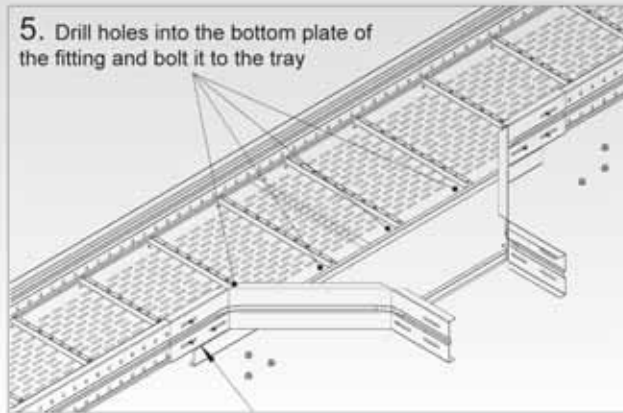
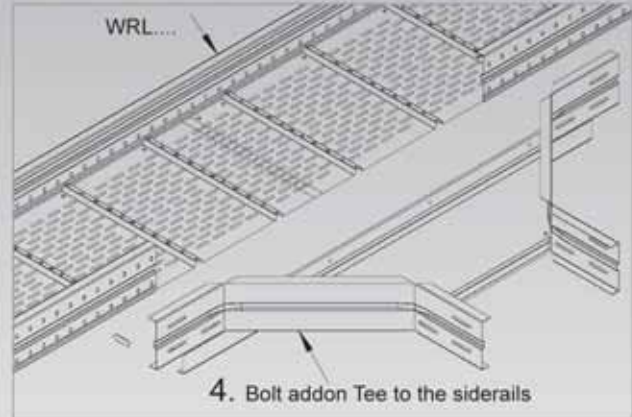
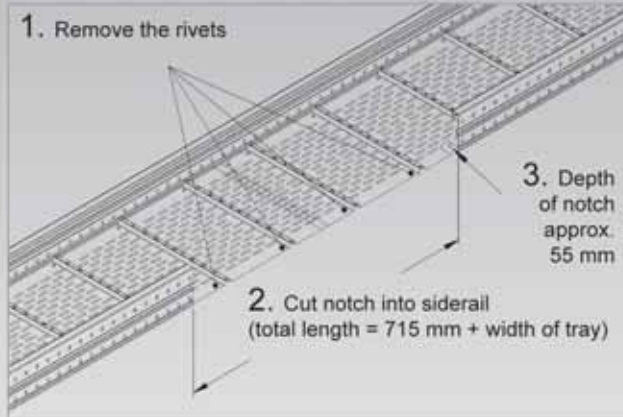
## Installation Instructions



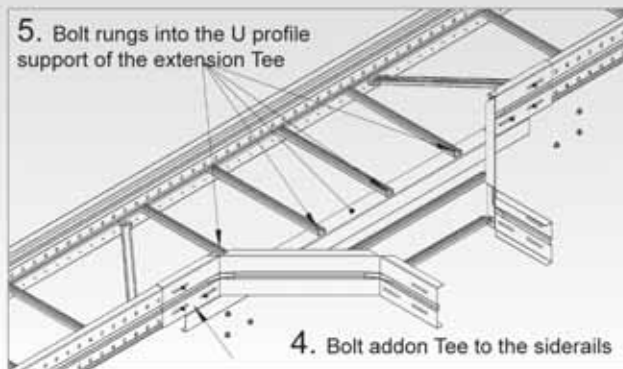
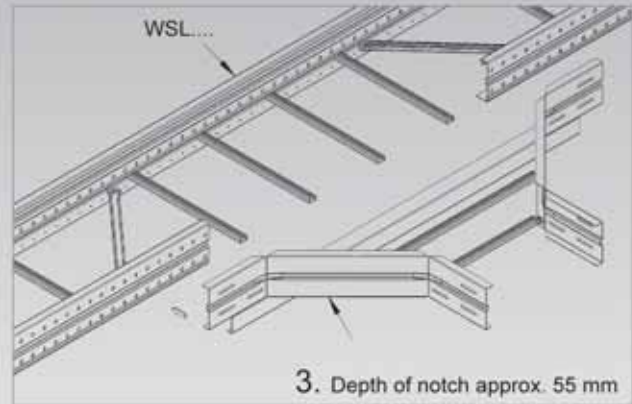
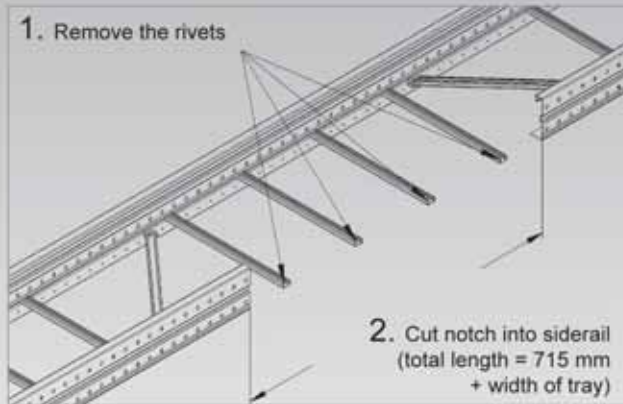


## Installation Instructions

### How to install an extension Tee fitting to long span tray



### How to install an extension Tee fitting to long span ladder

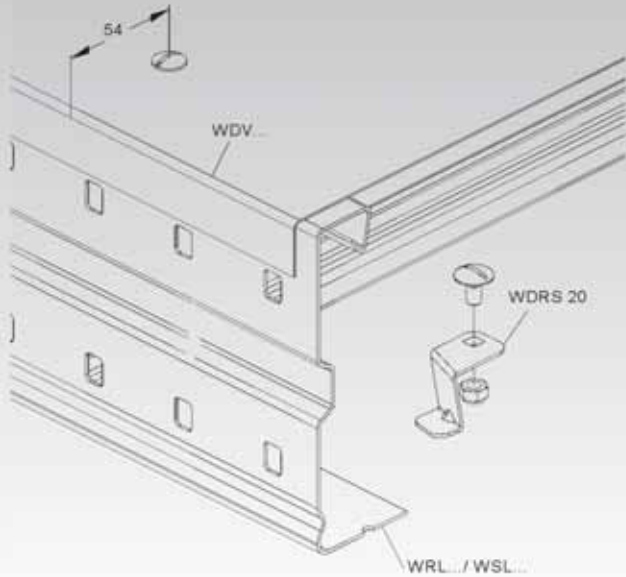


# GENERAL INFORMATION

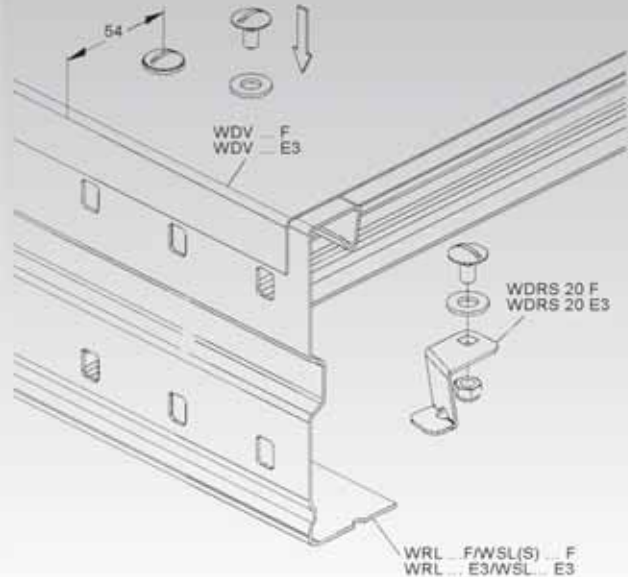
## Installation Instructions

Installing turnbolt locks into long span covers (minimum distance to the end of the cover: 50 mm). Use extra cover clamps for outdoor installations.

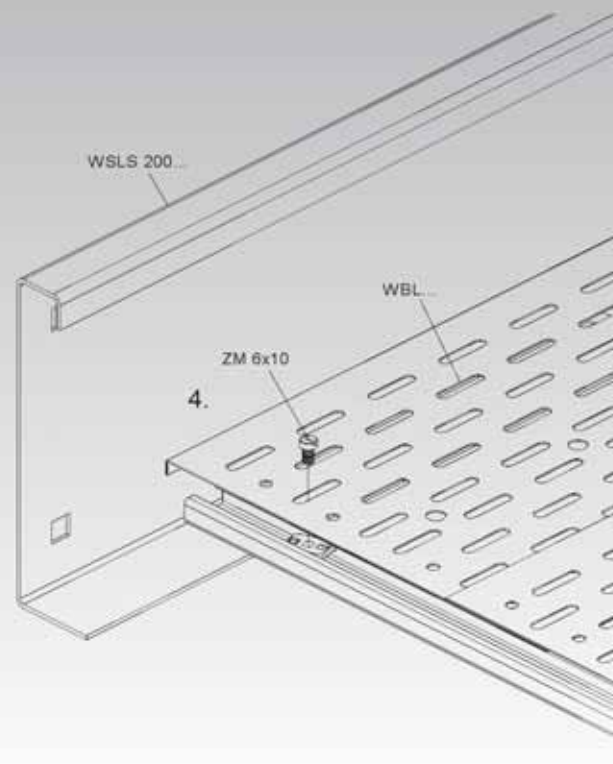
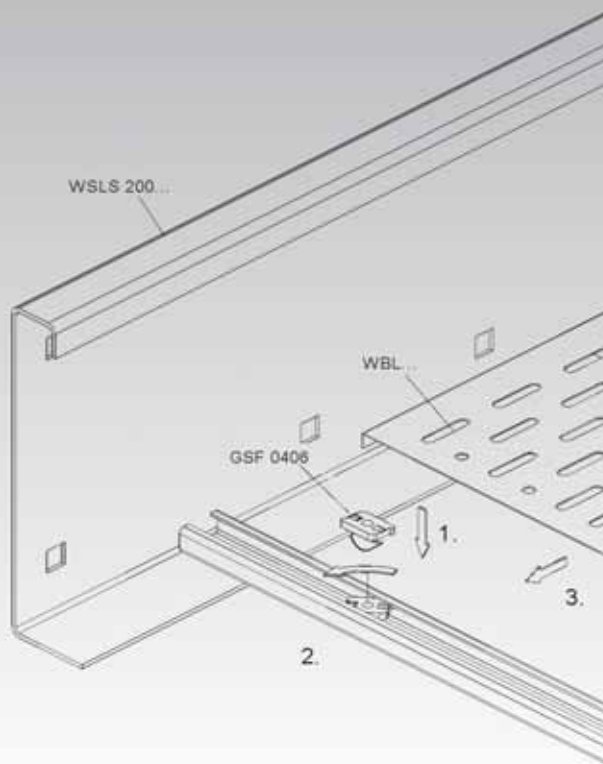
For **S** finish



for **F** and **ER** finish



How to install extra bottom plate to heavy duty cable ladder WSL... using sliding nut GSF 0406.



## Installation Instructions

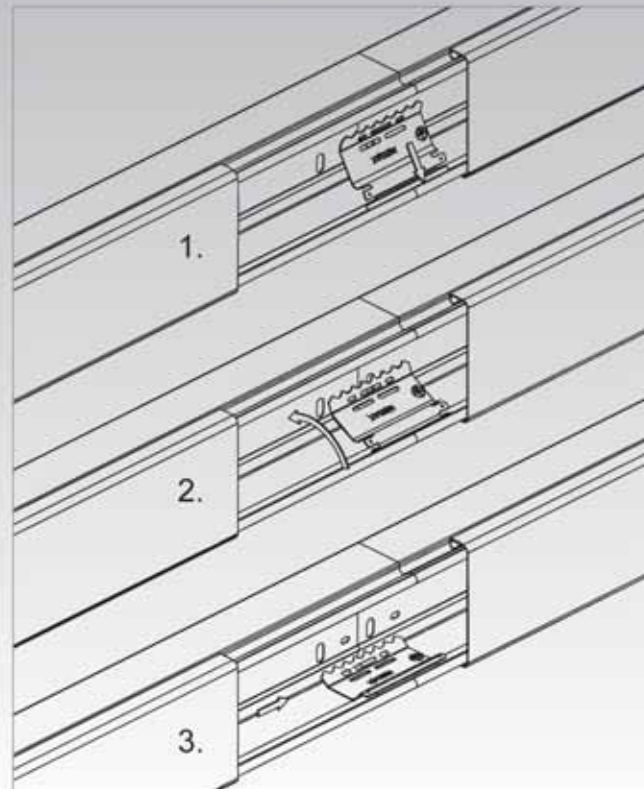
### How to install Surface Metal Raceway LLK... and LUK... with Splice Plate LST...

Mounting holes to secure raceway LUK... to mounting surface must be drilled by customer. Raceways LLK... will be delivered with pre-drilled mounting holes. The **maximum spacing** may not exceed **1.2m (4ft.)**

To interconnect two straight sections, a straight section and a fitting of LLK...-Series or LUK...-Series, use splice plate LST... Put the straight edge of the splice plate LST... into the S-shape of LLK... or LUK... base and pivot it to the rib in the bottom. With some force snap in the splice plate until it reach the siderail as shown in figure below.

For each siderail a splice plate is required

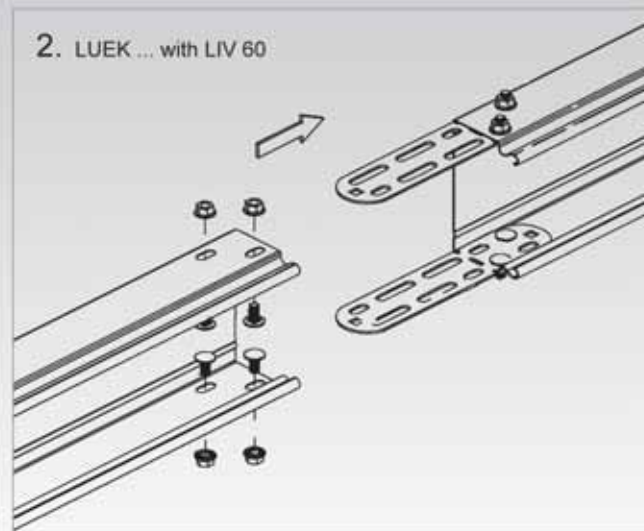
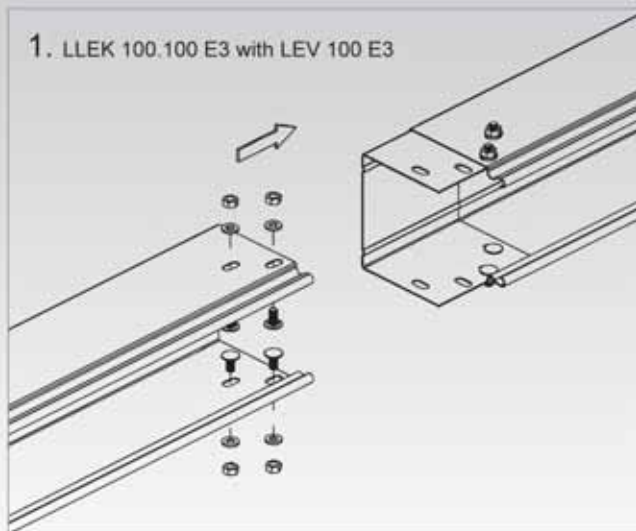
Surface Metal Raceways are UL Listed for service as equipment grounding conductor under the latest **National Electrical Code**



### How to install Surface Metal Raceway LUEK... and LLEK 100.100 E3 with Splice Plate LIV 60 and LEV 100 E3

Mounting holes to secure raceway LUEK... with the mounting surface must be drilled by installer. Raceways LLEK 100.100 E3 will be delivered with pre-drilled mounting holes. The **maximum spacing** may not exceed **1.2m (4ft.)**.

Mounting holes provided in the siderails of raceway LUEK... and LLEK 100.100 E3 base are for the use of splice plate LIV 60 and respectively LEV 100 E3 with **4 bolts w/nuts**.



Surface Metal Raceways are UL Listed for service as equipment grounding conductor under the latest **National Electrical Code**



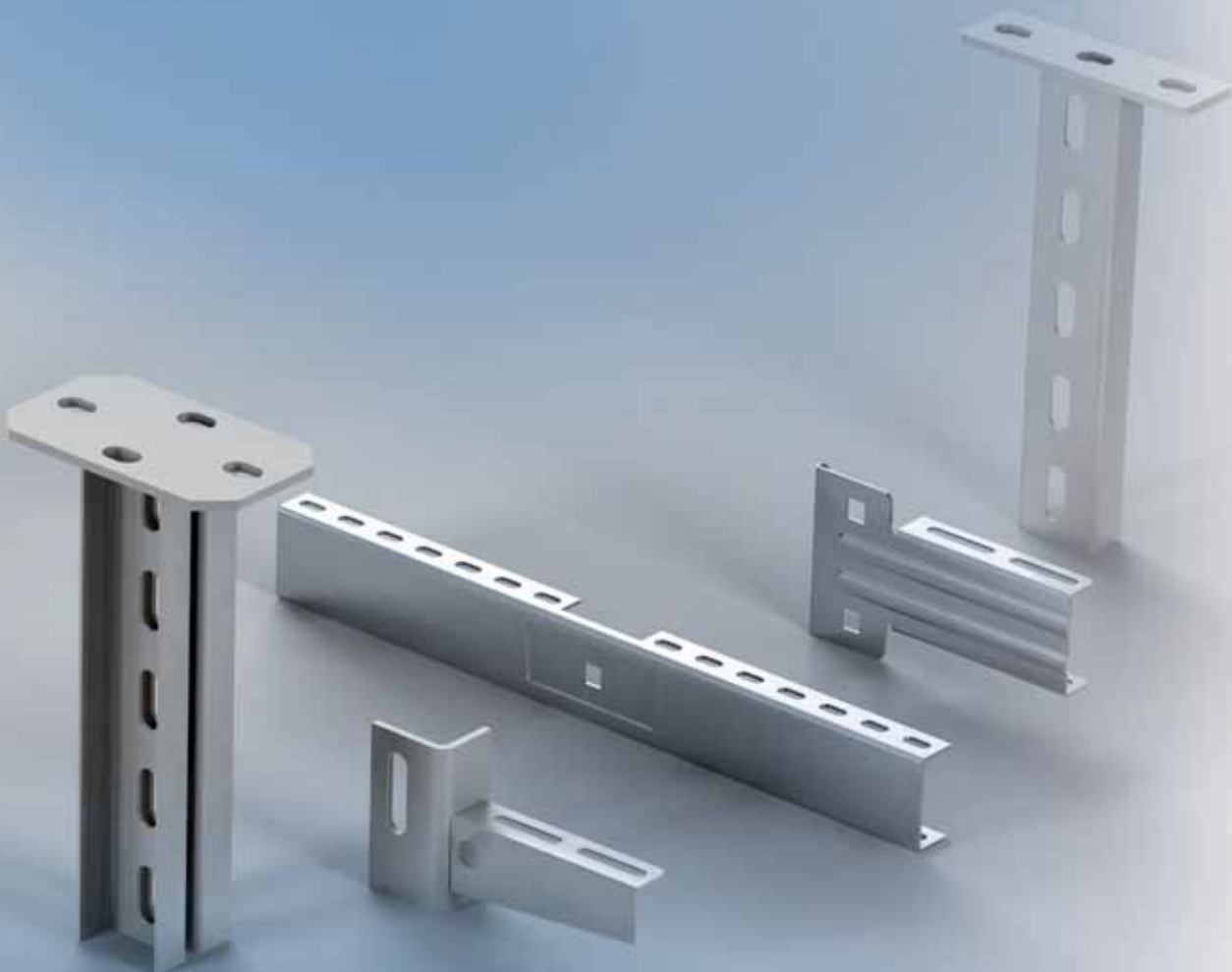
# Support System

- Overhead Hangers
- Brackets
- C-Profiles
- Head Plates





Niedax offers a wide variety of support systems for all kinds of applications. Light, medium and heavy duty versions of hangers and brackets for ceiling, floor and wall mount; clamping brackets and headplates for installing to steel structures; C- I- and U-profiles for metal framing; a wide range of accessories like serrated flange nuts, sliding nuts, threaded rod, anchor bolts, ...



## Overview Wall Brackets

Page 76

Support bracket, light

**TK...**

Bearing Capacity:  
0,1 kN



Page 82

Wall Bracket, heavy-duty

**KTAS...**

Bearing Capacity:  
5 kN



Page 76

Overhead Hanger  
and Wall Bracket, light

**KTCL...**

Bearing Capacity:  
0,6 kN



Page 83

Wall Bracket,  
extra heavy-duty

**KTASS...**

Bearing Capacity:  
10 kN



Page 76

Overhead Hanger  
and Wall Bracket, standard

**KTC...**

Bearing Capacity:  
0,75 kN - 2 kN



Page 84

Clamping Bracket,  
extra heavy-duty

**KTTSS...**

Bearing Capacity:  
7,5 kN - 10 kN



Page 77

Overhead Hanger, heavy-duty

**TKS...**

Bearing Capacity:  
0,50 kN - 1,5 kN



Page 119-120

Treaded Rod

**M...**



Page 79

Overhead Hanger  
and Wall Bracket, light

**KTAL...**

Bearing Capacity:  
0,60 kN



Page 123

Hanger for Ceiling Suspension

**DBT...**

**DB...**

**DBG...**



Page 79

Overhead Hanger  
and Wall Bracket, medium

**KTAM...**

Bearing Capacity:  
1,2 kN



Page 124-125

Snap-in Bracket

**RTU...**

**RCB...**

**REBA..., REBI...**



Page 80-81

Overhead Hanger  
and Wall Bracket, standard

**KTA...**

Bearing Capacity:  
2,5 kN - 3,5 kN



Page 76+78

Hanger for Suspended Ceiling

**ZCB...**

**TKSU...**



The classification of brackets and hangers into categories like light, medium and heavy is only an indication for their typical usage. For engineering purposes exact calculations of overall loads considering the weight of the cable, the weight of the tray and the support span are mandatory.

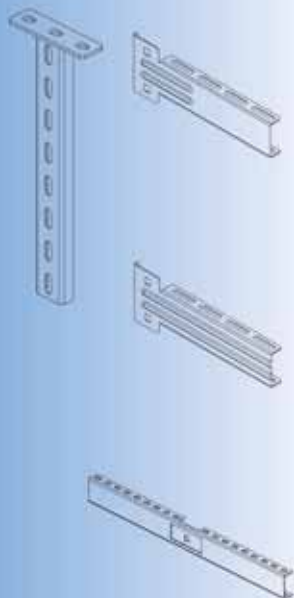
# Overview Hangers

Page 86

Overhead Hanger

**HUF 50/...**

Profil: U 50

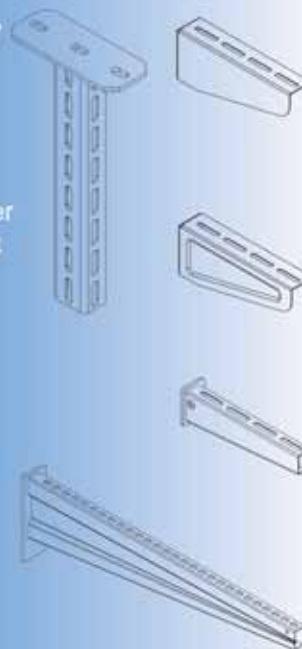


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Overhead Hanger

**HU 6040/...**

Profil: U 6040



Overhead Hanger  
and Wall Bracket

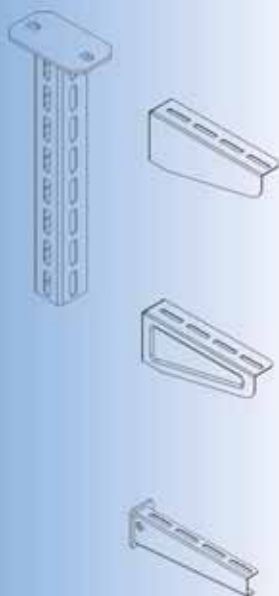
**KTAL...**  
**KTAM...**  
**KTA...**

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Overhead Hanger

**HU 5050/...**

Profil: U 5050



Overhead Hanger  
and Wall Bracket

**KTAL...**  
**KTAM...**  
**KTA...**

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Overhead Hanger

**HI 80/...**

Profil:  
I 80 acc. to DIN 1025



Load ratings shown in this catalog are valid only for proper anchorage to the building structure. Please refer to the general information section and consult site management or structural engineering for details about the building structure and local regulations.

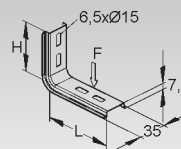
# SUPPORT SYSTEM

## Support Bracket

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S TK 60.85</b>	60/2,3	85/3,3	0,1	1 FLM 6x12	183708	5
<b>S TK 85.110</b>	85/3,3	110/4,3	0,1	1 FLM 6x12	183807	6,5

for wall-mounting

The load rating shown is valid only for proper anchorage to the building structure.



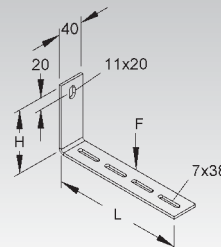
## Overhead Hanger and Wall Bracket

light

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KTCL 100</b>	106/4,1	110/4,3	0,6	2 FLM 6x16 F	904808	25
<b>F KTCL 200</b>	106/4,1	210/8,2	0,6	2 FLM 6x16 F	904822	54

for mounting on walls or to overhead hangers

The load rating shown is valid only for proper anchorage to the building structure.



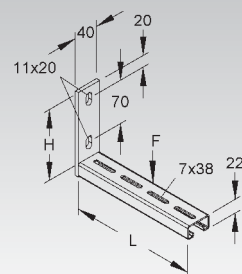
## Overhead Hanger and Wall Bracket

standard

model no.	height (H) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KTC 100</b>	114/4,4	0,75	2 FLM 6x16 F	859801	52
<b>F KTC 200</b>	114/4,4	0,75	2 FLM 6x16 F	859825	58
<b>F KTC 300</b>	114/4,4	0,75	2 FLM 6x16 F	859849	75
<b>F KTC 400</b>	114/4,4	0,75	2 FLM 6x16 F	859863	91

for mounting cable tray in areas with little headroom

The load rating shown is valid only for proper anchorage to the building structure.



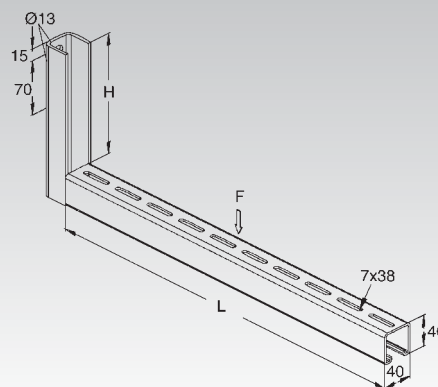
## Overhead Hanger and Wall Bracket

standard

model no.	height (H) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KTC 500</b>	155/6	2	2 FLM 6x16 F	859887	190
<b>F KTC 600</b>	155/6	2	2 FLM 6x16 F	859900	218

for mounting cable tray in areas with little headroom

The load rating shown is valid only for proper anchorage to the building structure.



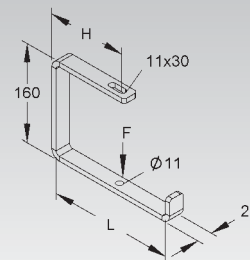
## Center Hanger

C-shaped Frame

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	EAN code	Weight per 100 pc. kg
<b>F ZCB 100</b>	85/3,3	104/4,1	0,6	843022	54
<b>F ZCB 150</b>	110/4,3	154/6	0,6	843060	66
<b>F ZCB 200</b>	135/5,3	204/8	0,6	843084	78
<b>F ZCB 250</b>	160/6,2	254/9,9	0,6	843107	90
<b>F ZCB 300</b>	185/7,2	304/11,9	0,6	843121	102
<b>F ZCB 400</b>	235/9,2	404/15,8	0,2	860401	151

for mounting on the ceiling by means of an M10 size threaded rod

The load rating shown is valid only for proper anchorage to the building structure.



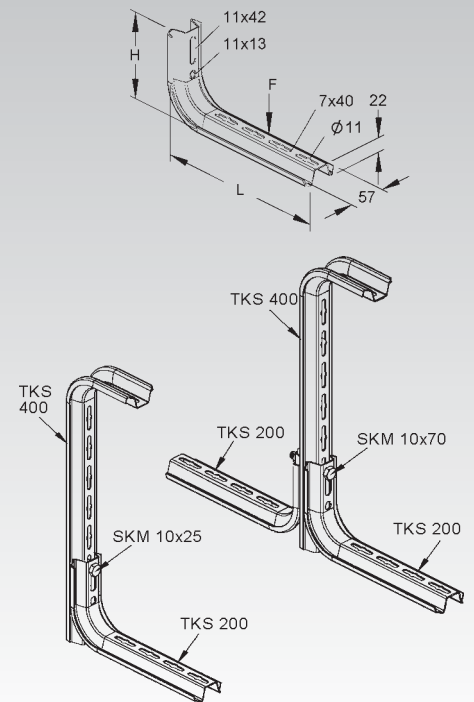


### Bracket/Overhead Hanger

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
S TKS 100	132/5,1	163/6,4	1,5	2 FLM 6x12	183906	27
S TKS 150	132/5,1	213/8,3	1,2	2 FLM 6x12	184002	30
S TKS 200	132/5,1	263/10,3	1,1	2 FLM 6x12	184101	39
S TKS 250	132/5,1	313/12,2	0,9	2 FLM 6x12	184200	46
S TKS 300	132/5,1	363/14,2	0,75	2 FLM 6x12	184309	53
S TKS 350	132/5,1	413/16,1	0,6	2 FLM 6x12	184408	59
S TKS 400	132/5,1	463/18,1	0,5	2 FLM 6x12	184507	65
F TKS 100 F	132/5,1	163/6,4	1,5	2 FLM 6x12 F	815500	31
F TKS 150 F	132/5,1	213/8,3	1,2	2 FLM 6x12 F	815524	37
F TKS 200 F	132/5,1	263/10,3	1,1	2 FLM 6x12 F	815548	43
F TKS 250 F	132/5,1	313/12,2	0,9	2 FLM 6x12 F	815562	49
F TKS 300 F	132/5,1	363/14,2	0,75	2 FLM 6x12 F	815586	55
F TKS 350 F	132/5,1	413/16,1	0,6	2 FLM 6x12 F	815609	61
F TKS 400 F	132/5,1	463/18,1	0,5	2 FLM 6x12 F	815623	68
E3 TKS 100 E3	132/5,1	163/6,4	1,5	2 FLM 6x12 E3	329106	31
E3 TKS 200 E3	132/5,1	263/10,3	1,1	2 FLM 6x12 E3	329205	43
E3 TKS 300 E3	132/5,1	363/14,2	0,75	2 FLM 6x12 E3	329304	55
E3 TKS 400 E3	132/5,1	463/18,1	0,5	2 FLM 6x12 E3	329328	68

for mounting on walls and horizontal ceilings or to overhead hangers

Always use TKSD 20 spacer to avoid deformation of TK... brackets when bolting to wall or ceiling.  
The load rating shown is valid only for proper anchorage to the building structure.

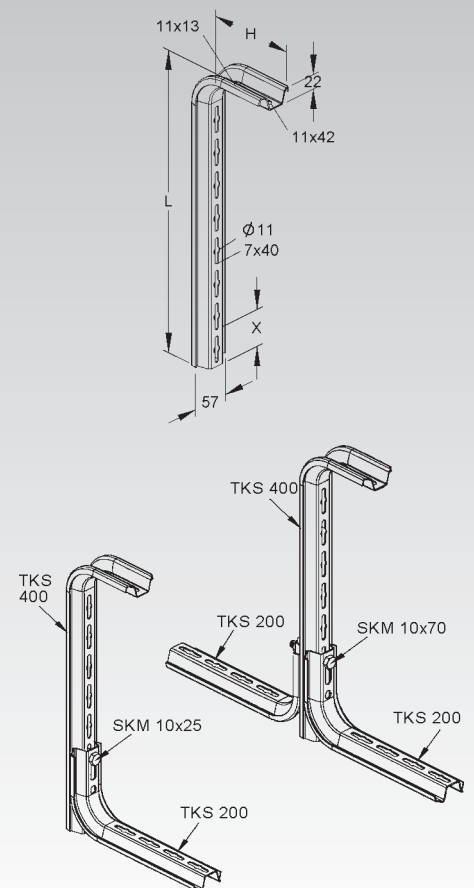


### Overhead Hanger

model no.	height (H) mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S TKS 450	132/5,1	513/20	2 FLM 6x12	184606	72
S TKS 500	132/5,1	563/22	-	184705	77
S TKS 600	132/5,1	663/25,9	-	184804	90
F TKS 450 F	132/5,1	513/20	2 FLM 6x12 F	815647	
F TKS 500 F	132/5,1	563/22	-	815661	
F TKS 600 F	132/5,1	663/25,9	-	815685	
E3 TKS 500 E3	132/5,1	563/22	-	329342	80
E3 TKS 600 E3	132/5,1	663/25,9	-	329366	92

for mounting overhead hangers to horizontal ceilings

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.  
Always use TKSD 20 spacer to avoid deformation of TK... brackets when bolting to wall or ceiling.



# SUPPORT SYSTEM

## Spacer

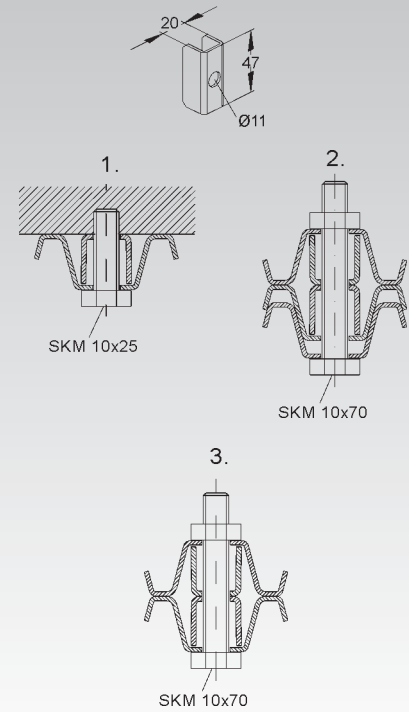
model no.	EAN code	Weight per 100 pc. kg
<b>S</b> TKSD 20	185207	4
<b>F</b> TKSD 20 F	185252	3
<b>E3</b> TKSD 20 E3	329649	3

for secure wall and/or ceiling mount of TKS type brackets/hangers

To be used for: TKS ... and TKSU type hangers and brackets

1. wall and ceiling mount
2. for double-sided mounting of hanging supports
3. for hanging from ceilings by means of TKSU... and additional fixing of brackets (only with S finish)

Please order SKM... bolts separately.



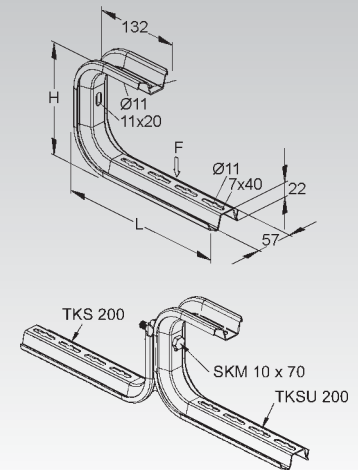
## Support Bracket

model no.	height (H)	length (A)	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch				
<b>S</b> TKSU 100	172/6,7	161/6,3	0,95	2 FLM 6x12	184903	55
<b>S</b> TKSU 200	172/6,7	261/10,2	0,7	2 FLM 6x12	185009	70
<b>S</b> TKSU 300	172/6,7	361/14,1	0,5	2 FLM 6x12	185108	85

for wall or ceiling mount

Always use TKSD 20 spacer to avoid deformation of TK... brackets when bolting to wall or ceiling.

The load rating shown is valid only for proper anchorage to the building structure.



## Support Bracket

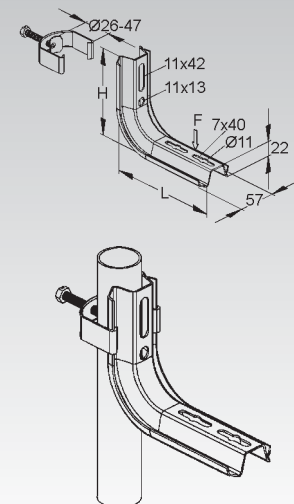
for underfloor supports

model no.	height (H)	length (A)	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch				
<b>S</b> TKR 50	132/5,1	113/4,4	0,55	1 FLM 6x12	185306	20
<b>S</b> TKR 100	132/5,1	163/6,4	0,55	2 FLM 6x12	185405	27

for mounting pipe (diameter 26-47 mm)

including clamping bracket according to DIN 933 standard, electroplated

The load rating shown is valid only for proper anchorage to the building structure.



## Protective Cap

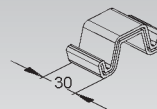
model no.	color	EAN code	Weight per 100 pc. kg
<b>K10</b> TSKK 30	yellow	348053	2

to cover the ending of the profile

**To prevent accidents and injuries you must install protective end caps.**

To be used for: TKS ... and TKSU type hangers and brackets

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.



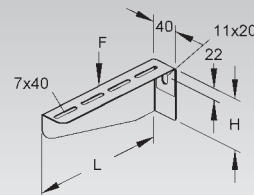
## Overhead Hanger and Wall Bracket

light

model no.	height (H)	length (A)	admissible load F at L/2	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	kN			
<b>S</b> KTAL 100	60/2,3	110/4,3	0,6	2 FLM 6x12	185504	20
<b>S</b> KTAL 150	60/2,3	160/6,2	0,6	2 FLM 6x12	185603	25
<b>S</b> KTAL 200	80/3,1	210/8,2	0,6	2 FLM 6x12	185702	30
<b>S</b> KTAL 250	80/3,1	260/10,1	0,6	2 FLM 6x12	185801	39
<b>S</b> KTAL 300	85/3,3	310/12,1	0,6	2 FLM 6x12	185900	43

for mounting on walls or to overhead hangers

The load rating shown is valid only for proper anchorage to the building structure.



## Overhead Hanger and Wall Bracket

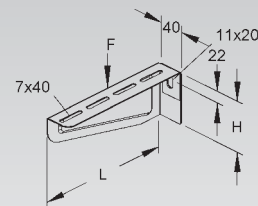
for medium loads

model no.	height (H)	length (A)	admissible load F at L/2	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	kN			
<b>S</b> KTAM 100	60/2,3	110/4,3	1,2	2 FLM 6x12	186303	20
<b>S</b> KTAM 200	80/3,1	210/8,2	1,2	2 FLM 6x12	186402	30
<b>S</b> KTAM 300	82/3,2	320/12,5	1,5	2 FLM 6x12	186501	60
<b>S</b> KTAM 400	82/3,2	420/16,4	1,5	2 FLM 6x12	186600	80
<b>S</b> KTAM 500	115/4,5	510/19,9	1,2	2 FLM 6x12	186709	100
<b>S</b> KTAM 600	115/4,5	610/23,8	1,2	2 FLM 6x12	186808	140
<b>E3</b> KTAM 100 E3	60/2,3	110/4,3	1,2	2 FLM 6x12 E3	840304	20
<b>E3</b> KTAM 200 E3	80/3,1	210/8,2	1,2	2 FLM 6x12 E3	840328	30
<b>E3</b> KTAM 300 E3	85/3,3	310/12,1	1,2	2 FLM 6x12 E3	840342	43
<b>E5</b> KTAM 100 E5	60/2,3	110/4,3	1,2	2 FLM 6x12 E5	728305	20
<b>E5</b> KTAM 200 E5	80/3,1	210/8,2	1,2	2 FLM 6x12 E5	728404	30
<b>E5</b> KTAM 300 E5	85/3,3	310/12,1	1,2	2 FLM 6x12 E5	728503	60
<b>E5</b> KTAM 400 E5	115/4,5	410/16	1,2	2 FLM 6x12 E5	728602	60

for mounting on walls or to overhead hangers

**Hole pattern may vary based on width. You will find more detailed information in the installation instructions.**

The load rating shown is valid only for proper anchorage to the building structure.



# SUPPORT SYSTEM

## Overhead Hanger and Wall Bracket

standard

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
F KTA 100	45/1,8	110/4,3	2,5	2 FLM 6x12 F	186907	20
F KTA 150	45/1,8	160/6,2	2,5	2 FLM 6x12 F	187003	25
F KTA 200	55/2,1	210/8,2	2,5	2 FLM 6x12 F	187102	30
F KTA 250	55/2,1	260/10,1	2,5	2 FLM 6x12 F	187201	40
F KTA 300	65/2,5	310/12,1	2,5	2 FLM 6x12 F	187300	60
F KTA 350	65/2,5	360/14	2,5	2 FLM 6x12 F	187409	70
F KTA 400	75/2,9	410/16	2,5	2 FLM 6x12 F	187508	80
F KTA 450	75/2,9	460/17,9	2,5	2 FLM 6x12 F	187607	90
F KTA 500	90/3,5	510/19,9	2,5	2 FLM 6x12 F	187706	120
F KTA 550	90/3,5	560/21,8	2,5	2 FLM 6x12 F	187805	125
F KTA 600	90/3,5	610/23,8	2,5	2 FLM 6x12 F	187904	135
E3 KTA 100 E3	45/1,8	110/4,3	2,5	2 FLM 6x12 E3	330003	20
E3 KTA 200 E3	55/2,1	210/8,2	2,5	2 FLM 6x12 E3	330102	30
E3 KTA 300 E3	65/2,5	310/12,1	2,5	2 FLM 6x12 E3	330201	60
E3 KTA 400 E3	90/3,5	410/16	2,5	2 FLM 6x12 E3	330300	80
E3 KTA 500 E3	110/4,3	510/19,9	2,5	2 FLM 6x12 E3	330409	120
E3 KTA 600 E3	110/4,3	610/23,8	2,5	2 FLM 6x12 E3	330508	135
* E5 KTA 100 E5	45/1,8	110/4,3	2,5	2 FLM 6x12 E5	842605	20
* E5 KTA 200 E5	55/2,1	210/8,2	2,5	2 FLM 6x12 E5	842629	30
* E5 KTA 300 E5	65/2,5	310/12,1	2,5	2 FLM 6x12 E5	842643	60
* E5 KTA 400 E5	90/3,5	410/16	2,5	2 FLM 6x12 E5	842667	80
* E5 KTA 500 E5	110/4,3	510/19,9	2,5	2 FLM 6x12 E5	917402	120
* E5 KTA 600 E5	110/4,3	610/23,8	2,5	2 FLM 6x12 E5	917426	135

for mounting on walls or to overhead hangers

slot size Ø7x15 mm for KTA 100-200 in stainless steel finish

slot size 7x15 mm for KTA 300-600 in stainless steel finish

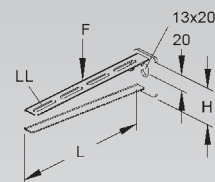
slot size 7x40 mm for KTA 100-600

slot size 7x15 mm for KTA 150, 250, 350, 450 and 550

The load rating shown is valid only for proper anchorage to the building structure.



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## Protective Cap

model no.	color	EAN code	Weight per 100 pc. kg
K10 KA 100-600	yellow	347056	1,4

to cover the tips of the brackets

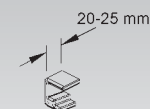
**To prevent accidents and injuries you must install protective end caps.**

To be used for: support brackets

KTA 100 - 600 F, E3 and E5

KTU 100 - 600 F, E3 and E5

KTT 100 - 600 F



## Overhead Hanger and Wall Bracket

standard

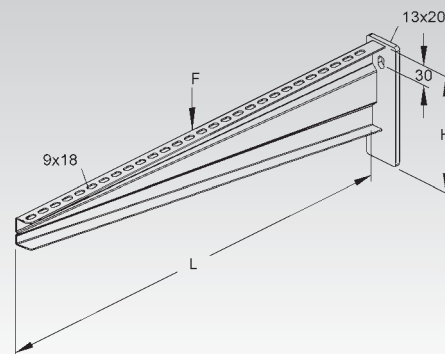
model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
F KTA 700	195/7,6	730/28,5	3,5	2 FLM 6x12 F	188000	180
F KTA 800	195/7,6	830/32,4	3,5	2 FLM 6x12 F	188109	200
F KTA 900	195/7,6	930/36,3	3,5	2 FLM 6x12 F	188208	230
F KTA 1000	195/7,6	1030/40,2	3,5	2 FLM 6x12 F	188307	260

for mounting on walls or to overhead hangers

The load rating shown is valid only for proper anchorage to the building structure.



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## Overhead Hanger and Wall Bracket

standard

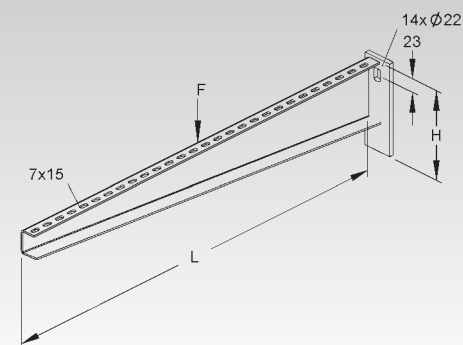
model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
<b>E3 KTA 700 E3</b>	150/5,8	710/27,7	2	2 FLM 6x12 E3	770809	180
<b>E3 KTA 800 E3</b>	150/5,8	810/31,6	2	2 FLM 6x12 E3	770823	200
<b>E3 KTA 900 E3</b>	150/5,8	910/35,5	1,5	2 FLM 6x12 E3	770847	230
<b>E3 KTA 1000 E3</b>	150/5,8	1010/39,4	1,5	2 FLM 6x12 E3	770861	260

for mounting on walls or to overhead hangers

The load rating shown is valid only for proper anchorage to the building structure.



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## Clamping Device

model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KWAT 300</b>	22	1 SKM 10x25	838103	260

for installing support brackets in a 45° angle to the I-beam, flange width ≤ 300 mm

To be used for: KTAL..., KTAM..., KTA..., KTCL... and KTC...type brackets

First install the bracket to the adaptor. When using a 45° adaptor the required length of the bracket depends on the fitting used.

The clamping should be done symmetrical and the bolts should be fixed as close as possible to the flange.

Load ratings of brackets used (i. e.: KTAL..., KTAM..., KTA..., KTCL... or KTC...) do apply.

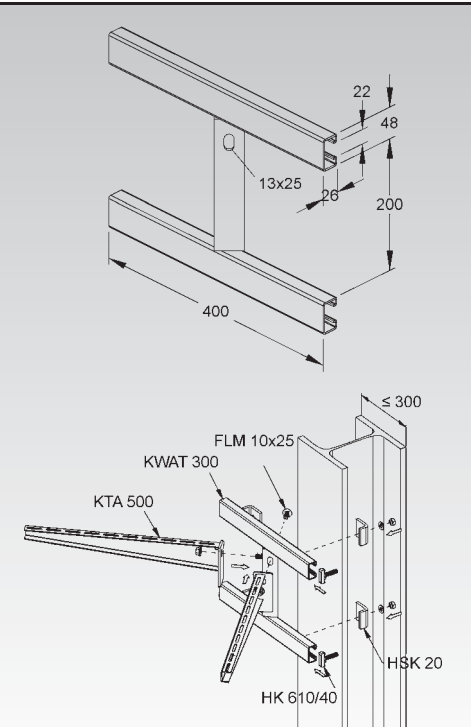
The permissible load shown is valid only if the finish of the structural beam and the beam clamps is bare or galvanized steel.

Attention: There is a high risk that clamps could slide off painted surfaces. You have to remove all paint from the support structure to ensure maximum load rating.

Do not remove any fire-protective painting from steel supports without prior approval in writing from structural engineering or construction supervision.

Please consult construction supervision or site engineering for statically permissible loads of the building structure.

hardware has to be ordered separately:  
4x HK 610/..., 4x HSK...



## Clamping Device

model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KKAT 300</b>	22	1 FLM 10x25 F	815708	128,5

for installing support brackets in a 90° angle to the I-beam, flange width ≤ 300 mm

To be used for: KTAL..., KTAM..., KTA..., KTCL... and KTC...type brackets

First install the bracket to the adaptor.

The clamping should be done symmetrical and the bolts should be fixed as close as possible to the flange.

Load ratings of brackets used (i. e.: KTAL..., KTAM..., KTA..., KTCL... or KTC...) do apply.

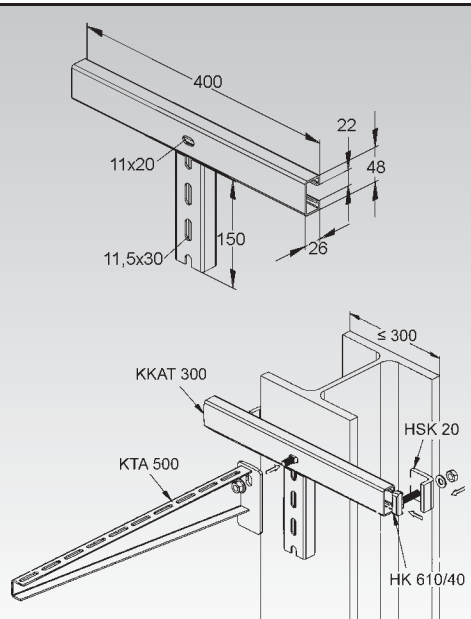
The permissible load shown is valid only if the finish of the structural beam and the beam clamps is bare or galvanized steel.

Attention: There is a high risk that clamps could slide off painted surfaces. You have to remove all paint from the support structure to ensure maximum load rating.

Do not remove any fire-protective painting from steel supports without prior approval in writing from structural engineering or construction supervision.

Please consult construction supervision or site engineering for statically permissible loads of the building structure.

hardware has to be ordered separately:  
2x HK 610/..., 2x HSK...



# SUPPORT SYSTEM

## Bracket Adapter

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KWAE 200	1 FLM 10x25 F	838004	118

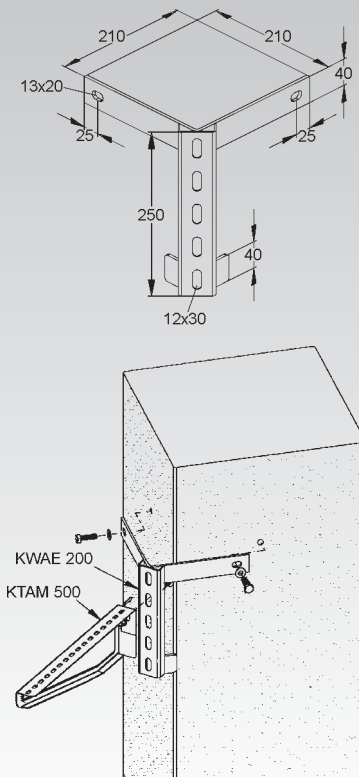
for installing support brackets in a 45° angle to the concrete supports

To be used for: KTAL..., KTAM..., KTA..., KTCL... and KTC...type brackets

First install the bracket to the adaptor. When using a 45° adaptor the required length of the bracket depends on the fitting used.

Load ratings of brackets used (i. e.: KTAL..., KTAM..., KTA..., KTCL... or KTC...) do apply.

two anchor bolts have to be ordered separately



## Wall Bracket

heavy-duty

model no.	height (H)	length (A)	admissible load F at L/2	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	kN		
<b>F</b> KTAS 100	110/4,3	130/5,1	5	917457	90
<b>F</b> KTAS 200	110/4,3	230/9	5	188406	97,8
<b>F</b> KTAS 300	110/4,3	330/12,9	5	188505	118,3
<b>F</b> KTAS 400	110/4,3	430/16,8	5	188604	141
<b>F</b> KTAS 500	150/5,8	530/20,7	5	188703	180,8
<b>F</b> KTAS 600	150/5,8	630/24,6	5	188802	207,4
<b>F</b> KTAS 700	150/5,8	730/28,5	5	188901	277,2
<b>F</b> KTAS 800	195/7,6	830/32,4	5	189007	333,1
<b>F</b> KTAS 900	195/7,6	930/36,3	5	189106	374,7
<b>F</b> KTAS 1000	195/7,6	1030/40,2	5	189205	418,9
<b>E3</b> KTAS 200 E3	110/4,3	230/9	5	330515	130
<b>E3</b> KTAS 300 E3	110/4,3	330/12,9	5	330539	170
<b>E3</b> KTAS 400 E3	110/4,3	430/16,8	5	330553	200
<b>E3</b> KTAS 500 E3	150/5,8	530/20,7	5	330577	260
<b>E3</b> KTAS 600 E3	150/5,8	630/24,6	5	330591	300

for wall-mounting

The load rating shown is valid only for proper anchorage to the building structure.

hardware has to be ordered separately for F finish:

for cable tray: FLM 6x12 F and UGM 6 E3

for cable ladder: KLTB 6 F and UGM 6 E3

for long span cable ladder: WSTB 2

for long span cable tray: FLM 8x16 F

hardware has to be ordered separately for E3 finish:

for cable tray: FLM 6x12 E3, UGM 6 E3

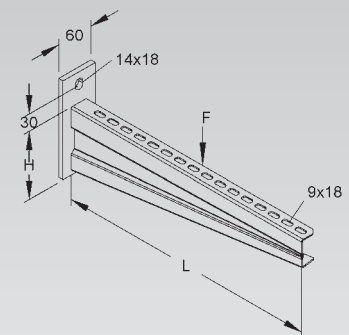
for cable ladder: KLTB 6 E3 and UGM 6 E3

for long span cable ladder: WSTB 2 E3

for long span cable tray: FLM 8x16 E3



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## Wall Bracket

extra heavy-duty version

model no.	height (H) mm/inch	height (E) mm/inch	length (A) mm/inch	admissible load F at L/2 kN	admissible load F2 at L/2	EAN code	Weight per 100 pc. kg
F KTASS 200	83/3,2	115	230/9	10	10	189212	164
F KTASS 300	108/4,2	140	330/12,9	10	10	189229	230
F KTASS 400	133/5,2	165	430/16,8	10	10	189236	302
F KTASS 500	133/5,2	165	530/20,7	10	9,5	189243	360
F KTASS 600	158/6,2	190	630/24,6	10	9,5	189250	444
F KTASS 700	158/6,2	190	730/28,5	10	8,5	189267	570
F KTASS 800	183/7,1	215	830/32,4	10	8,5	189274	651
F KTASS 900	183/7,1	215	930/36,3	10	7,5	189281	758
F KTASS 1000	208/8,1	240	1030/40,2	10	7,5	189298	847

for wall-mounting

The permissible load F refers to the bracket only and does not reflect any limitations of the anchoring; permissible load F2 refers to concentrated loads and requires anchor type DAZ 16x25

Please recalculate the permissible load for non uniform load distribution using the formula shown.

F = support load

R = permissible anchor- or boltstrain

l = distance in between load and wall/beam

E = distance in between fixing hole and ending

The load rating shown is valid only for proper anchorage to the building structure. Please consult structural engineering for details and local regulations.

Please consult construction supervision or site engineering for statically permissible loads of the building structure.

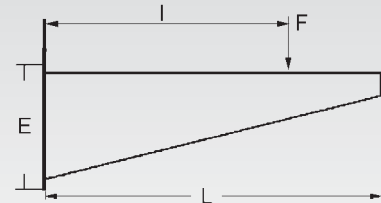
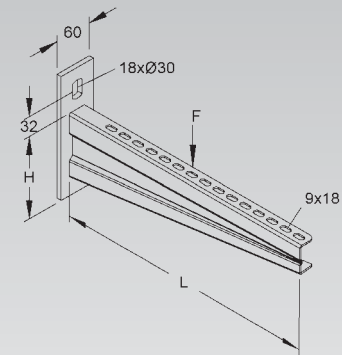
hardware has to be ordered separately for F finish:

for cable tray: FLM 6x12 F

for cable ladder: KLTB 6 F and UGM 6 E3

for long span cable ladder: WSTB 2

for long span cable tray: FLM 8x16 F



$$F = \sqrt{\frac{R^2}{1 + (l/E)^2}}$$

## Clamping Device

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F KWATS 300	1 SKM 16x40	838202	711

for installing support brackets in a 45° angle to the I-beam

To be used for: KTAS and KTASS...type brackets

First install the bracket to the adaptor. When using a 45° adaptor the required length of the bracket depends on the fitting used.

The clamping should be done symmetrical and the bolts should be fixed as close as possible to the flange.

The load rating shown is valid only if the heavy duty clamp HSKS is used with M12 bolts (8.8 grade). Torque is 85 Nm.

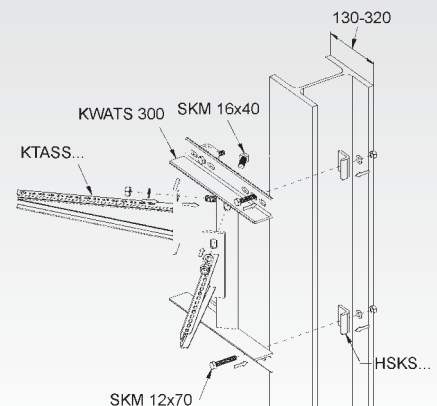
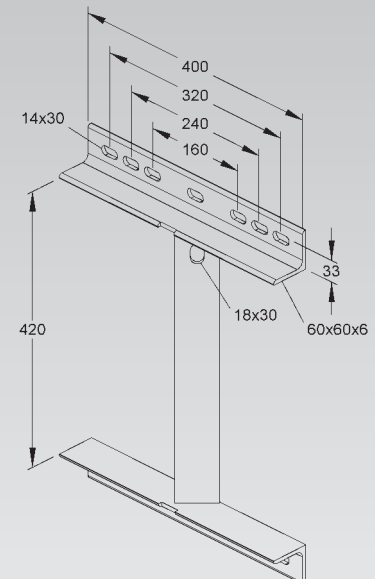
Check tightening torque for all kinds of crimp connections with a torque wrench:

The permissible load shown is valid only if the finish of all components used (ex. beam clamps) is bare or galvanized steel.

Attention: There is a high risk that clamps could slide off painted surfaces. But please do not remove fire-protective painting from steel supports without prior approval in writing from structural engineering.

Please consult construction supervision or site engineering for statically permissible loads of the building structure.

hardware has to be ordered separately: 4x HSKS..., 4x SKM 12x70



# SUPPORT SYSTEM

## Clamping Bracket

extra heavy-duty version

	model no.	height (H)	length (A)	admissible load F at L/2	admissible load F2 at L/2	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch				
F	<b>KTSS 200</b>	156/6,1	230/9	10	10	183616	307,7
F	<b>KTSS 300</b>	156/6,1	330/12,9	10	10	183623	333,3
F	<b>KTSS 400</b>	181/7,1	430/16,8	9,36	10	183630	371,1
F	<b>KTSS 500</b>	181/7,1	530/20,7	8,89	10	183647	402
F	<b>KTSS 600</b>	206/8	630/24,6	8,53	10	183654	478,4
F	<b>KTSS 700</b>	206/8	730/28,5	7,37	8	183661	521,9
F	<b>KTSS 800</b>	231/9	830/32,4	6,55	7	183678	578,1
F	<b>KTSS 900</b>	231/9	930/36,3	6,28	6,5	183685	628
F	<b>KTSS 1000</b>	256/10	1030/40,2	5,69	6	183692	690,6

for mounting on walls or on bare steel beams

The clamping should be done symmetrical and the bolts should be fixed as close as possible to the flange. permissible load F at L/2 (flange width ≤ 300 mm), permissible load F2 at L/2 (flange width ≤ 220 mm)

The load rating shown is valid only if the heavy duty clamp HSKS is used with M12 bolts (8.8 grade). Torque is 85 Nm.

Check tightening torque for all kinds of crimp connections with a torque wrench:

The permissible load shown is valid only if the finish of all components used (ex. beam clamps) is bare or galvanized steel.

Attention: There is a high risk that clamps could slide off painted surfaces. But please do not remove fire-protective painting from steel supports without prior approval in writing from structural engineering.

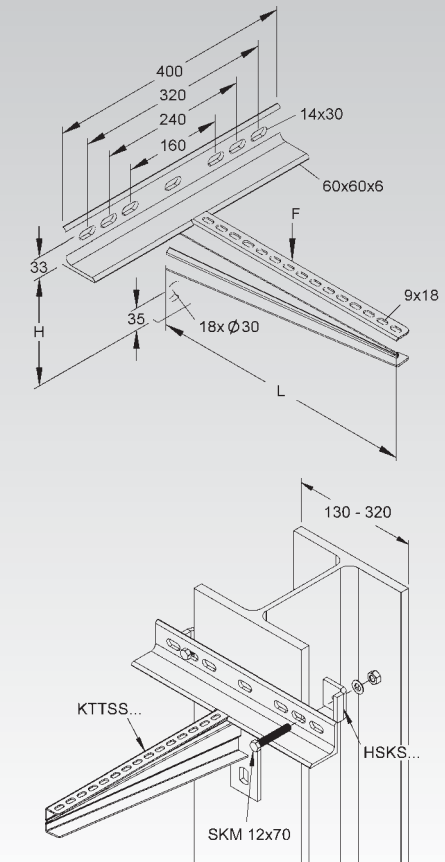
Please consult construction supervision or site engineering for statically permissible loads of the building structure.

hardware has to be ordered separately:

2x HSKS..., 2x SKM 12x70

for long span cable ladder: WSTB 2

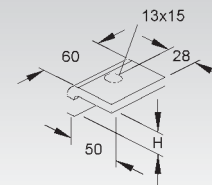
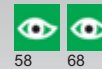
for long span cable tray: FLM 8x16 F



## Beam Clamp

heavy-duty version

	model no.	height (H)	flange thickness (t)	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch		
F	<b>HSKS 10</b>	10/0,4	5 - 9	196425	21
F	<b>HSKS 15</b>	15/0,6	10 - 14	196432	25
F	<b>HSKS 20</b>	20/0,8	15 - 19	196449	27
F	<b>HSKS 25</b>	25/1	20 - 24	196456	33
F	<b>HSKS 30</b>	30/1,2	25 - 29	196463	41
F	<b>HSKS 35</b>	35/1,4	30 - 34	196470	49
F	<b>HSKS 40</b>	40/1,6	35 - 39	196487	60



## Hexagonal Bolt

nut and washer included

	model no.	thread	length (A)	strength category	EAN code	Weight per 100 pc. kg
			mm/Inch			
V	<b>SKM 12 X 70</b>	M12	70/2,7	8.8	207565	6
V	<b>SKM 16 X 40</b>	M16	40/1,6	8.8	207589	1

Property class is embossed to the head of the bolt.

Check tightening torque for all kinds of crimp connections with a torque wrench:

SKM 8..., tightening torque of 25 Nm

SKM 10..., tightening torque of 50 Nm

SKM 12..., tightening torque of 85 Nm

SKM 16..., tightening torque of 210 Nm

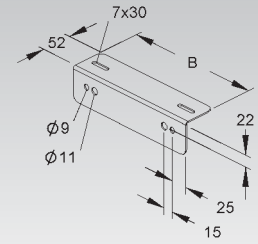




### Wall Support Bracket

model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WA 100	110/4,3	2 FLM 6x12	189809	21
S WA 150	160/6,2	2 FLM 6x12	189908	32
S WA 200	210/8,2	2 FLM 6x12	190003	43
S WA 250	260/10,1	2 FLM 6x12	190102	54
S WA 300	310/12,1	2 FLM 6x12	190201	65
S WA 400	410/16	2 FLM 6x12	190300	87
S WA 500	510/19,9	2 FLM 6x12	190409	110
S WA 600	610/23,8	2 FLM 6x12	190508	130

for attaching the end of a straight section of cable tray to a wall

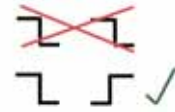
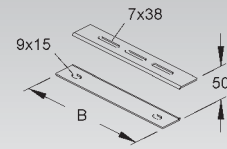


### Floor Mounting Bracket

perforated

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RZP 50/100	50/2	100/3,9	2 FLM 6x12	191833	16
S RZP 50/200	50/2	200/7,8	2 FLM 6x12	847907	32
S RZP 50/300	50/2	300/11,7	2 FLM 6x12	847921	48
S RZP 50/400	50/2	400/15,6	2 FLM 6x12	847945	64
S RZP 50/500	50/2	500/19,5	2 FLM 6x12	847969	80
S RZP 50/600	50/2	600/23,4	2 FLM 6x12	847983	96

The Z-shaped bracket can be used as a low cost floor mount device for cable trays. Alternate mounting of Z-shaped bracket is recommended.



# SUPPORT SYSTEM

## Overhead Hanger

U-Profile

	model no.	Total length L mm/inch	EAN code	Weight per 100 pc. kg
F	HUF 50/200	201/7,8	168705	42
F	HUF 50/250	255/9,9	168804	49
F	HUF 50/300	301/11,7	168903	55
F	HUF 50/400	401/15,6	169009	67
F	HUF 50/500	501/19,5	169108	82
F	HUF 50/600	601/23,4	169207	95
F	HUF 50/700	705/27,5	169306	109
F	HUF 50/800	805/31,4	169405	122
F	HUF 50/900	905/35,3	169504	135
F	HUF 50/1000	1005/39,2	169603	149
F	HUF 50/1100	1105/43,1	169702	162
F	HUF 50/1200	1205/47	169801	175
E3	HUF 50/200 E3	204/8	327300	42
E3	HUF 50/300 E3	304/11,9	327409	55
E3	HUF 50/400 E3	404/15,8	327508	67
E3	HUF 50/500 E3	504/19,7	327607	82
E3	HUF 50/600 E3	604/23,6	327621	95
E3	HUF 50/700 E3	704/27,5	872404	108
E3	HUF 50/800 E3	804/31,4	872428	121
E3	HUF 50/900 E3	904/35,3	872442	134
E3	HUF 50/1000 E3	1004/39,2	872466	147
E5	HUF 50/200 E5	204/8	727506	42
E5	HUF 50/300 E5	304/11,9	727605	55
E5	HUF 50/400 E5	404/15,8	727704	67
E5	HUF 50/500 E5	504/19,7	727803	82

Thickness of headplate is included in total length indicated.  
Please be aware of height restrictions for trays and ladders when brackets are mounted on overhead hangers of 200 mm length only.

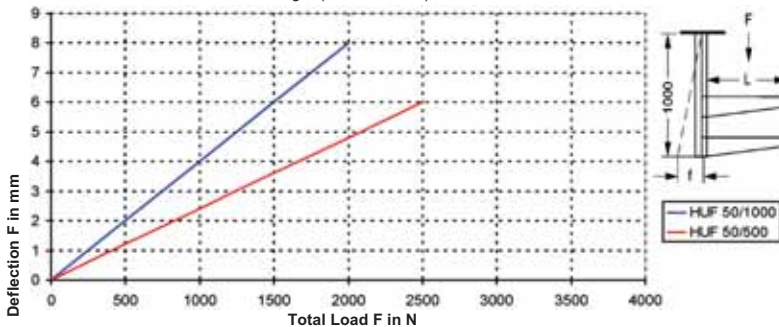
To be used for: KTU..., KTUL..., KTUM... and KTDL... type brackets

For static reasons brackets have to be installed at least 50 mm above hangers end. This will also guarantee an easy mounting of the protective end cap.

center distance of the long holes 13x20 mm in the head plate of the hanger: 100 mm

The permissible load shown is valid only for proper anchorage to the building structure. Please consult structural engineering for details and local regulations.

Load Chart: Deflection of Overhead Hanger (onesided load)



There is no noticeable deflection of the hanger for balanced (twosided) loading.

## Protective Cap

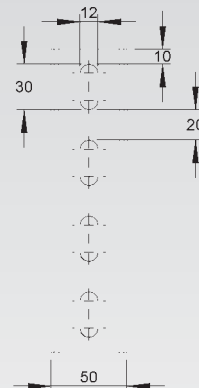
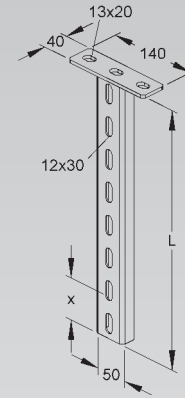
	model no.	color	EAN code	Weight per 100 pc. kg
K10	K 50	yellow	347605	2,5

silicone-free PVC for covering the ends of profiles

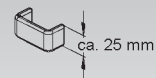
To prevent accidents and injuries you must install protective end caps.

To be used for: U 50/..., HUF 50/...

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.



$$\begin{aligned}
 I_x &= 6,66 \text{ cm}^4 & I_y &= 0,74 \text{ cm}^4 & W_x &= 2,66 \text{ cm}^3 & W_y &= 0,48 \text{ cm}^3
 \end{aligned}$$

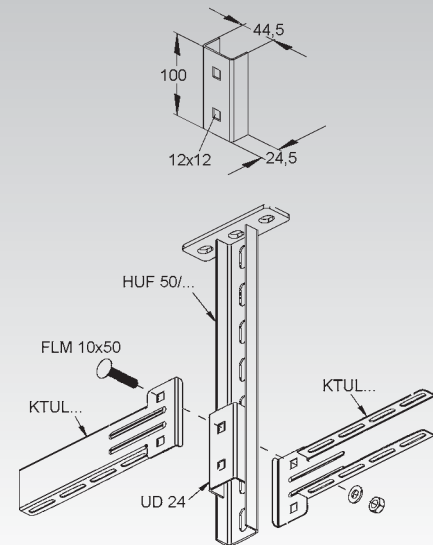


## Spacer

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> UD 24	1 FLM 10x50	171033	17
<b>E3</b> UD 24 E3	1 FLM 10x50 E3	327652	17

to attach brackets on both sides at the same height

To be used for: KTUL... and KTUM... brackets mounted on overhead hangers HUF 50/... at a height of



## Bracket

for medium loads

model no.	height (H)	length (A)	admissible load F at L/2	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	kN			
<b>S</b> KTUM 100	73/2,8	105/4,1	1,2	FLM:2 6x12, 1 10x25 F	170425	24
<b>S</b> KTUM 150	73/2,8	155/6	1,2	FLM:2 6x12, 1 10x25 F	170432	29
<b>S</b> KTUM 200	73/2,8	205/8	1,2	FLM:2 6x12, 1 10x25 F	170449	33
<b>S</b> KTUM 250	73/2,8	255/9,9	1,2	FLM:2 6x12, 1 10x25 F	170456	43
<b>S</b> KTUM 300	73/2,8	305/11,9	1,2	FLM:2 6x12, 1 10x25 F	170463	47
<b>S</b> KTUM 400	83/3,2	405/15,8	1,2	FLM:2 6x12, 1 10x25 F	170487	78
<b>E3</b> KTUM 100 E3	73/2,8	105/4,1	1,2	FLM: 2 6x12 E3, 1 10x25 E3	329021	20
<b>E3</b> KTUM 200 E3	73/2,8	205/8	1,2	FLM: 2 6x12 E3, 1 10x25 E3	329045	30
<b>E3</b> KTUM 300 E3	83/3,2	305/11,9	1,2	FLM: 2 6x12 E3, 1 10x25 E3	329069	43
<b>E3</b> KTUM 400 E3	83/3,2	405/15,8	1,2	FLM: 2 6x12 E3, 1 10x25 E3	329083	75
<b>E5</b> KTUM 100 E5	73/2,8	105/4,1	1,2	FLM:2 6x12 E5, 1 10x25 E5	728220	20
<b>E5</b> KTUM 200 E5	73/2,8	205/8	1,2	FLM:2 6x12 E5, 1 10x25 E5	728244	30
<b>E5</b> KTUM 300 E5	83/3,2	305/11,9	1,2	FLM:2 6x12 E5, 1 10x25 E5	728268	43
<b>E5</b> KTUM 400 E5	83/3,2	405/15,8	1,2	FLM:2 6x12 E5, 1 10x25 E5	728282	75

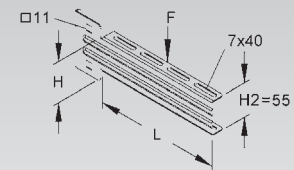
To be used for: HUF 50/..., HDUF 50/...

The height H2 is 66 mm for the KTUM 400 bracket.

The load rating shown is valid only for proper anchorage to the building structure.



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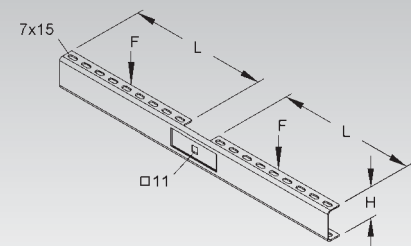
## Double-sided Bracket

light

model no.	height (H)	length (A)	admissible load F at L/2	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	kN			
<b>S</b> KTDL 100	50/2	125/4,9	0,6	FLM:4 6x12, 1 10x25 F	170500	18
<b>S</b> KTDL 150	50/2	175/6,8	0,6	FLM:4 6x12, 1 10x25 F	170609	30
<b>S</b> KTDL 200	50/2	225/8,8	0,6	FLM:4 6x12, 1 10x25 F	170708	44
<b>S</b> KTDL 250	50/2	275/10,7	0,6	FLM:4 6x12, 1 10x25 F	170807	58
<b>S</b> KTDL 300	50/2	325/12,7	0,6	FLM:4 6x12, 1 10x25 F	170906	71
<b>S</b> KTDL 400	50/2	425/16,6	0,6	FLM:4 6x12, 1 10x25 F	171002	85

To be used for: HUF 50/...

The load rating shown is valid only for proper anchorage to the building structure.



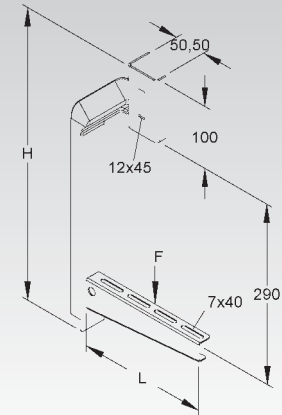
# SUPPORT SYSTEM

## Center Hanger

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
F ZKU 150	472/18,4	160/6,2	2	FLM:2 6x12, 1 10x25 F	189304	160
F ZKU 200	472/18,4	210/8,2	2	FLM:2 6x12, 1 10x25 F	189403	170
F ZKU 300	472/18,4	310/12,1	2	FLM:2 6x12, 1 10x25 F	189502	200
F ZKU 400	472/18,4	410/16	2	FLM:2 6x12, 1 10x25 F	189601	240

To be used for: HUF 50/....

The load rating shown is valid only for proper anchorage to the building structure.

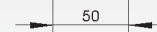
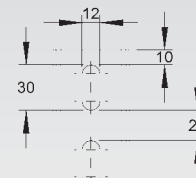
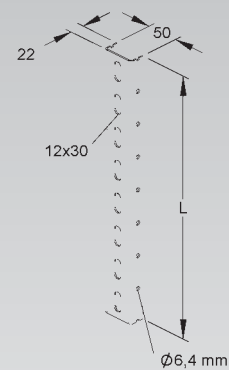


## Profile U 50

model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
S U 50/200	200/7,8	190805	26
S U 50/300	300/11,7	190904	39
S U 50/400	400/15,6	191000	52
S U 50/500	500/19,5	191109	65
S U 50/600	600/23,4	191208	78
S U 50/700	700/27,3	191307	91
S U 50/800	800/31,2	191406	104
S U 50/900	900/35,1	191505	117
S U 50/1000	1000/39	191604	130
S U 50/1500	1500/58,5	191703	195
S U 50/2000	2000/78	191802	130
S U 50/3000	3000/117	190607	130
S U 50/6000	6000/234	190706	130
* F U 50/200 F	200/7,8	872503	26
* F U 50/300 F	300/11,7	872534	39
* F U 50/400 F	400/15,6	872565	52
* F U 50/500 F	500/19,5	872596	65
* F U 50/600 F	600/23,4	872626	78
* F U 50/700 F	700/27,3	872657	91
* F U 50/800 F	800/31,2	872688	104
* F U 50/900 F	900/35,1	872718	117
* F U 50/1000 F	1000/39	872749	130
* F U 50/3000 F	3000/117	190744	130
* F U 50/6000 F	6000/234	190768	130
E3 U 50/3000 E3	3000/117	330805	130
E3 U 50/6000 E3	6000/234	330904	130
E5 U 50/3000 E5	3000/117	728701	130

for custom-built overhead hangers and for building support frames

no perforation in flange with stainless finish



$$\begin{array}{l}
 l_x = 6,66 \text{ cm}^4 \\
 l_y = 0,74 \text{ cm}^4 \\
 w_x = 2,66 \text{ cm}^3 \\
 w_y = 0,48 \text{ cm}^3
 \end{array}$$

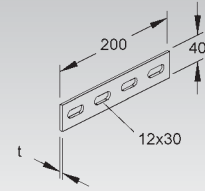


### Splice Plate

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> VB 50	4	4 FLM 10x25 F	199303	22
<b>E3</b> VB 50 E3	4	4 FLM 10x25 E3	330966	22
<b>E5</b> VB 50 E5	4	4 SKM 10x25 E5	729005	22

**2 pieces needed per splice**

To be used for: profiles U 50/..., U 5050/... and overhead hanger HU 5050/...  
50 mm center distance for punch holes 12x30 mm



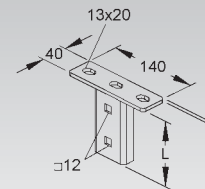
### Head Plate

model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KU 50	105/4,1	5	2 FLM 10x25 F	191901	40
<b>E3</b> KU 50 E3	104/4,1	4	2 FLM 10x25 E3	330607	40
<b>E5</b> KU 50 E5	104/4,1	4	2 SKM 10x25 E5	728800	40

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 50/... Profile  
50 mm center distance for long holes 13x20 mm in the head plate



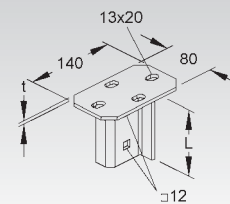
### Head Plate

model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUD 50	105/4,1	5	2 FLM 10x25 F	192007	70
<b>E3</b> KUD 50 E3	105/4,1	5	2 FLM 10x25 E3	330706	70

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: Back to Back U 50 Profile  
50 mm center distance for punch holes 13x20 mm



### Head Plate

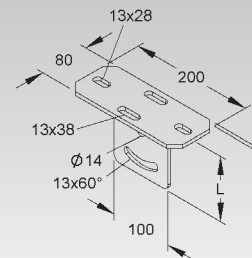
vertical, adjustable from -30° to +30°

model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGV 50	111/4,3	6	2 FLM 10x25 F	192106	90
<b>E3</b> KUGV 50 E3	111/4,3	6	2 FLM 10x25 E3	770908	90

for mounting on inclined ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 50/... Profile  
152 mm center distance for punch holes 13x28 mm  
50 mm center distance for punch holes 13x38 mm



### Head Plate

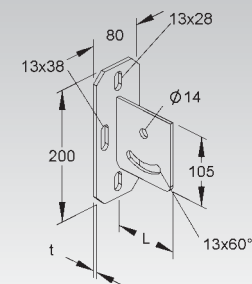
horizontal, adjustable from -30° to +30°

model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGH 50	106/4,1	6	2 FLM 10x25 F	192205	90
<b>E3</b> KUGH 50 E3	106/4,1	6	2 FLM 10x25 E3	770922	90

for mounting on inclined ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 50/... Profile  
152 mm center distance for punch holes 13x28 mm  
50 mm center distance for punch holes 13x38 mm



# SUPPORT SYSTEM

## All-Purpose Clamping Head Plate

model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUDU 50	22	2 FLM 10x25 F	192243	150

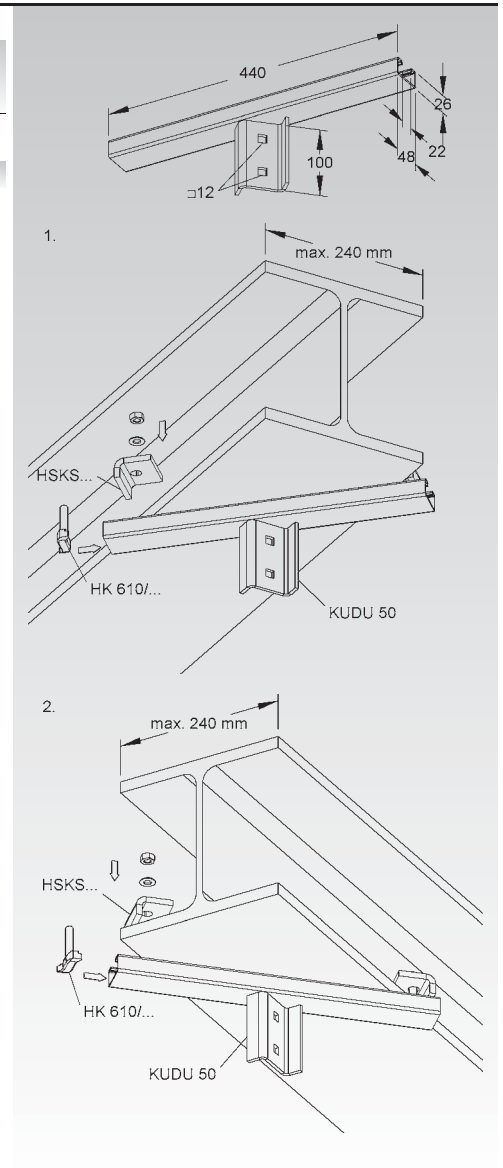
for clamping to horizontal support beams (max. width 240 mm)

To be used for: U 50/..., U 5050/...Profile

Installation mode:

1. parallel to beam
2. crosswise to the beam

hardware has to be ordered separately: 2x HK 610/..., 2x HSKS...



## All-Purpose Clamping Head Plate

adjustable from -30° to +30°

model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KUGU 50</b>	22	2 FLM 10x25 F	192267	150

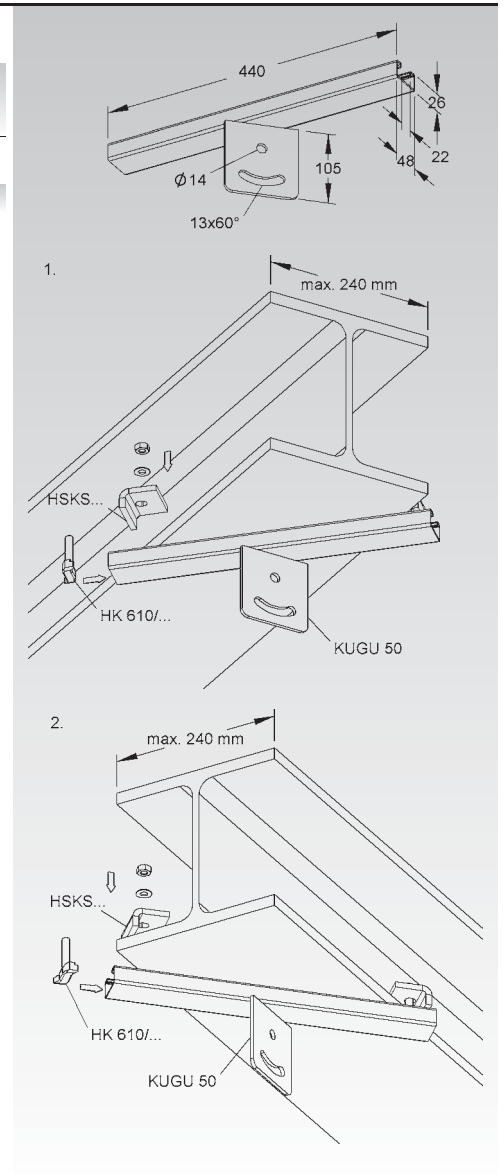
for clamping U-profile to support beams (max. width 240 mm), horizontally adjustable

To be used for: U 50/..., U 5050/....Profile

Installation mode:

1. parallel to beam
2. crosswise to the beam

hardware has to be ordered separately: 2x HK 610/..., 2x HSKS...



## Clamping Head Plate

model no.	slot width mm/Inch	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUDK 50	18	107/4,2	7	2 FLM 10x25 F	194803	150
<b>E3</b> KUDK 50 E3	18	107/4,2	7	2 FLM 10x25 E3	770960	150

for clamping to horizontal support beams (max. width 240 mm)

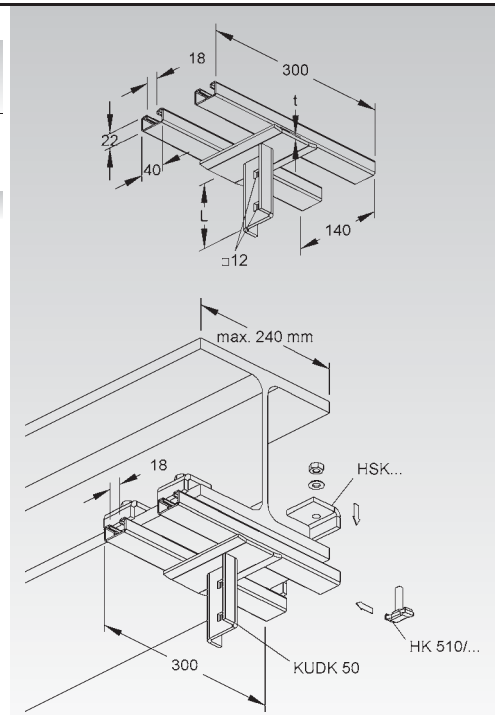
**Thickness of headplate is included in total length indicated.**

To be used for: U 50/... Profile

Installation mode: crosswise to the support beam

hardware has to be ordered separately for F finish: 4x HK 510/...E3, 4x HSK...E3

hardware has to be ordered separately for E3 finish: 4x HK 510/...E5, 4x HSK...E3



## Clamping Head Plate

adjustable from -30° to +30°

model no.	slot width mm/Inch	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGK 50	18	113/4,4	8	2 FLM 10x25 F	195404	230
<b>E3</b> KUGK 50 E3	18	113/4,4	8	2 FLM 10x25 E3	770984	230

for clamping U-profile to support beams (max. width 240 mm), horizontally adjustable

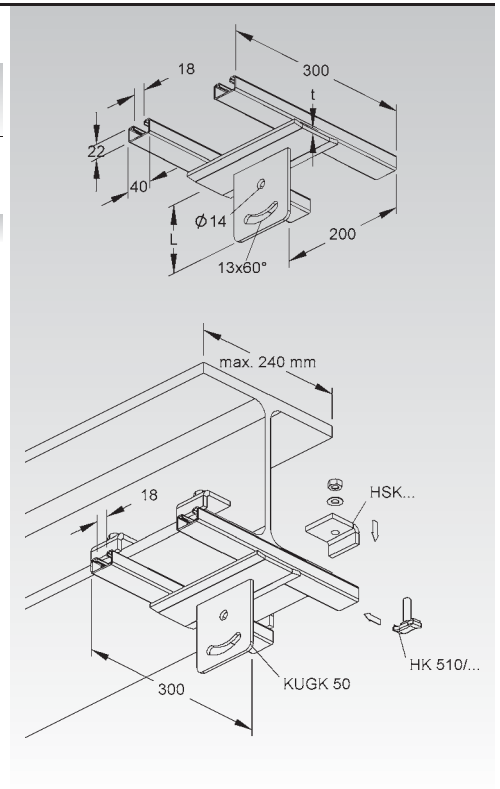
**Thickness of headplate is included in total length indicated.**

To be used for: U 50/... Profile

Installation mode: crosswise to the support beam

hardware has to be ordered separately for F finish: 4x HK 510/...E3, 4x HSK...E3

hardware has to be ordered separately for E3 finish: 4x HK 510/...E5, 4x HSK...E3





### Clamping Head Plate

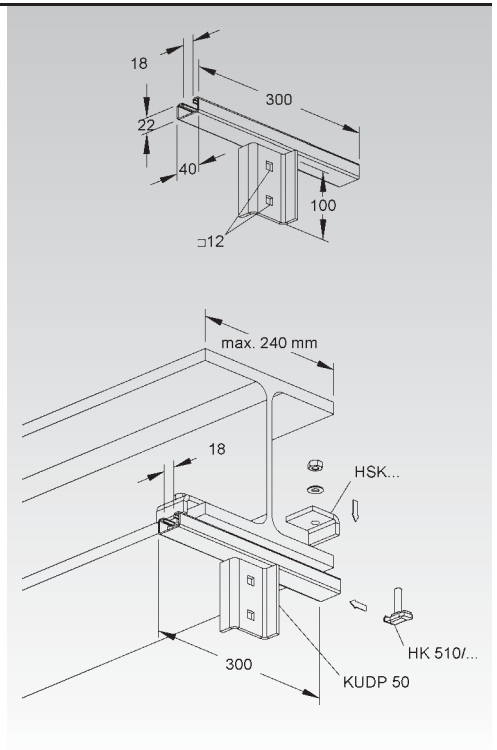
model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> <b>KUDP 50</b>	18	2 FLM 10x25 F	195107	125
<b>E3</b> <b>KUDP 50 E3</b>	18	2 FLM 10x25 E3	770946	125

for clamping to horizontal support beams (max. width 240 mm)

To be used for: U 50/... Profile

Installation mode: in parallel to the support beam

mounting parts have to be ordered separately for F finish: 2x HK 510/..., 2x HSK...  
hardware has to be ordered separately for E3 finish: 2x HK 510/...E3, 2x HSK...E3



### Clamping Head Plate

adjustable from -30° to +30°

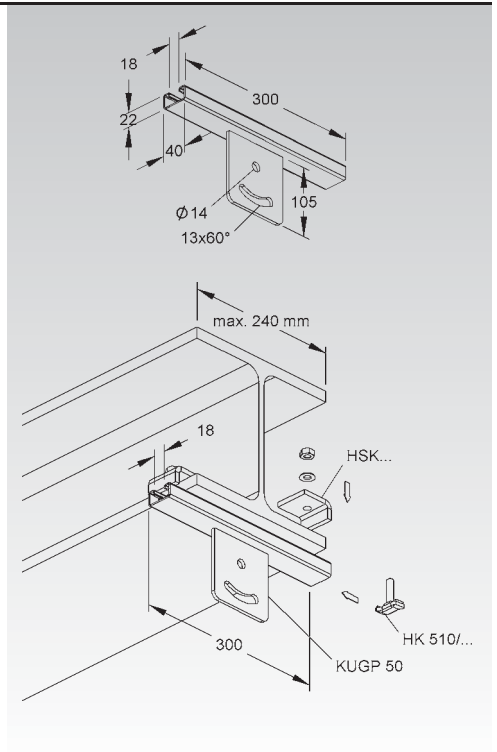
model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> <b>KUGP 50</b>	18	2 FLM 10x25 F	195503	95
<b>E3</b> <b>KUGP 50 E3</b>	18	2 FLM 10x25 E3	770991	95

for clamping U-profile to support beams (max. width 240 mm), horizontally adjustable

To be used for: U 50/... Profile

Installation mode: in parallel to the support beam

hardware has to be ordered separately for F finish: 2x HK 510/..., 2x HSK...  
hardware has to be ordered separately for E3 finish: 2x HK 510/...E3, 2x HSK...E3



# SUPPORT SYSTEM

## Clamping Head Plate

adjustable from -30° to +30°

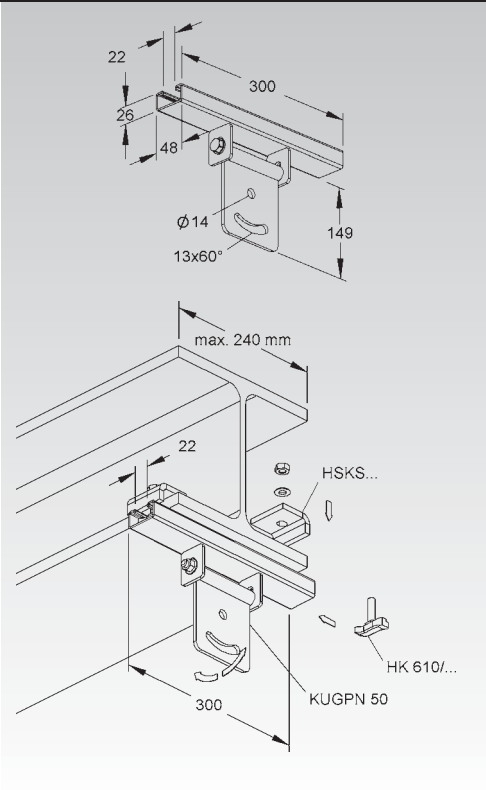
model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGPN 50	22	2 FLM 10x25 F	195602	260

for clamping U-profile to support beams (max. width 240 mm), horizontally and vertically adjustable

To be used for: U 50/... Profile

Installation mode: in parallel to the support beam

hardware has to be ordered separately for F finish: 2x HK 610/..., 2x HSKS...



## Overhead Hanger

U-Profile

	model no.	Total length L mm/Inch	EAN code	Weight per 100 pc. kg
F	HU 5050/200	205/8	858705	90
F	HU 5050/250	255/9,9	858729	103
F	HU 5050/300	305/11,9	858743	115
F	HU 5050/400	405/15,8	858767	138
F	HU 5050/500	505/19,7	858781	160
F	HU 5050/600	605/23,6	858804	186
F	HU 5050/700	705/27,5	858828	210
F	HU 5050/800	805/31,4	858842	233
F	HU 5050/900	905/35,3	858866	256
F	HU 5050/1000	1005/39,2	858880	280
F	HU 5050/1100	1105/43,1	858903	304
F	HU 5050/1200	1205/47	858927	328
F	HU 5050/1500	1505/58,7	858941	400
F	HU 5050/2000	2005/78,2	858965	517

Thickness of headplate is included in total length indicated.

Please be aware of height restrictions for trays and ladders when brackets are mounted on overhead hangers of 200 mm length only.

To be used for: KTAL..., KTAM..., and KTA... brackets

Use appropriate HDS... spacer for mounting brackets on overhead hanger.

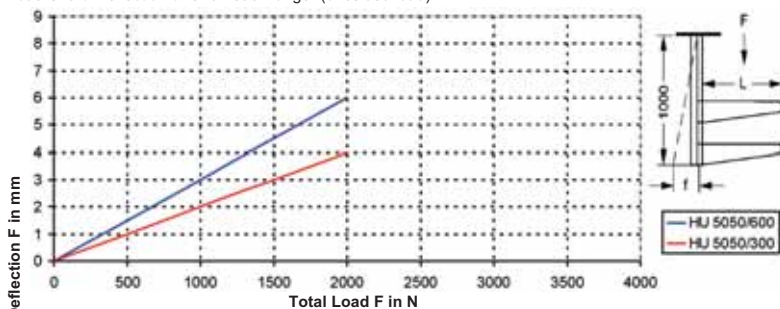
For static reasons brackets have to be installed at least 50 mm above hangers end. This will also guarantee an easy mounting of the protective end cap.

center distance of the long holes 13x20 mm in the head plate of the hanger: 100 mm

50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail

The permissible load shown is valid only for proper anchorage to the building structure. Please consult structural engineering for details and local regulations.

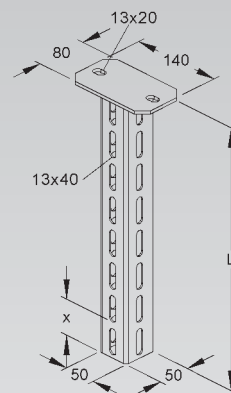
Load Chart: Deflection of Overhead Hanger (onesided load)



There is no noticeable deflection of the hanger for balanced (twosided) loading.

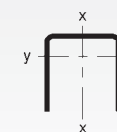


61



$$I_x = 12,10 \text{ cm}^4$$

$$I_y = 8,14 \text{ cm}^4$$



$$W_x = 4,84 \text{ cm}^3$$

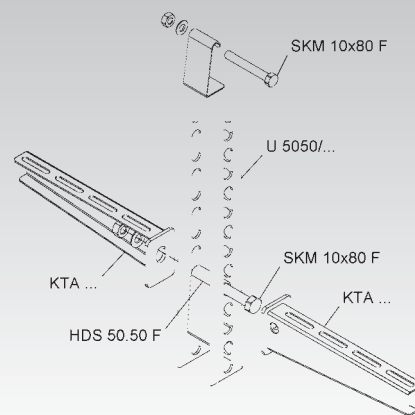
$$W_y = 2,57 \text{ cm}^3$$

## Spacer for Overhead Hanger

	model no.	acc. incl.	EAN code	Weight per 100 pc. kg
★ F	HDS 50.50 F	1 SKM 10x80 F	931705	7,5

To be used for: profile U 5050/... and overhead hanger HU 5050/..

Use appropriate HDS... spacer for mounting brackets on overhead hanger.



# SUPPORT SYSTEM

## Protective Cap

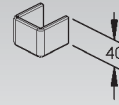
model no.	color	EAN code	Weight per 100 pc. kg
<b>K10</b> K 5050	yellow	347025	3

to cover the ending of the profile

**To prevent accidents and injuries you must install protective end caps.**

To be used for: profile U 5050/... and overhead hanger HU 5050/..

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.

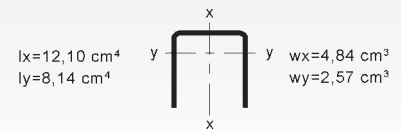
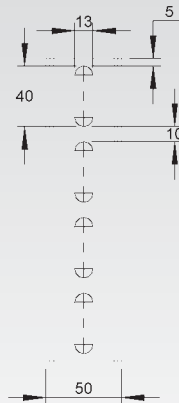
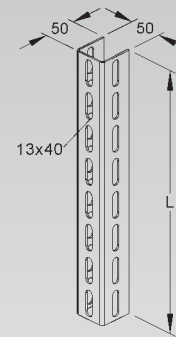


## Profile U 5050

model no.	length (A)	EAN code	Weight per 100 pc. kg
	mm/Inch		
F U 5050/300 F	300/11,7	918560	72
F U 5050/400 F	400/15,6	918584	96
F U 5050/500 F	500/19,5	918607	120
F U 5050/600 F	600/23,4	918621	144
F U 5050/700 F	700/27,3	918645	168
F U 5050/800 F	800/31,2	918669	192
F U 5050/900 F	900/35,1	918683	216
F U 5050/1000 F	1000/39	918706	240
F U 5050/1100 F	1100/42,9	918720	263
F U 5050/1200 F	1200/46,8	918744	287
F U 5050/1500 F	1500/58,5	918768	359
F U 5050/2000 F	2000/78	918782	240
F U 5050/3000 F	3000/117	859306	240
F U 5050/4500 F	4500/175,5	859313	
F U 5050/6000 F	6000/234	859320	240

for custom-built overhead hangers and for building support frames

50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail



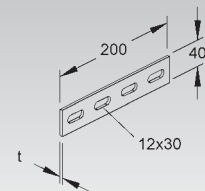
## Splice Plate

model no.	thick-ness (t)	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
F VB 50	4	4 FLM 10x25 F	199303	22
E3 VB 50 E3	4	4 FLM 10x25 E3	330966	22
E5 VB 50 E5	4	4 SKM 10x25 E5	729005	22

**2 pieces needed per splice**

To be used for: profiles U 50/..., U 5050/... and overhead hanger HU 5050/...

50 mm center distance for punch holes 12x30 mm





## Head Plate

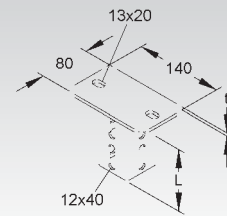
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KU 5050	105/4,1	5	2 FLM 10x25 F	191956	81

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 5050/... Profile

100 mm center distance for long holes 13x20 mm in the head plate  
U-shaped splice plate perforated with slots (12x40 mm) on all three sides.



## Head Plate

horizontal, adjustable from -30° to +30°

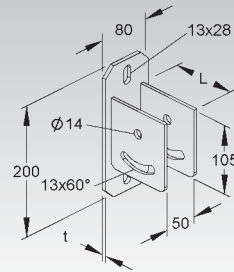
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGH 5050	106/4,1	6	2 SKM 10x80 F	192229	181

for mounting on inclined ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 5050/... Profile

152 mm center distance for long holes 13x28 mm in the head plate of the hanger



## Head Plate

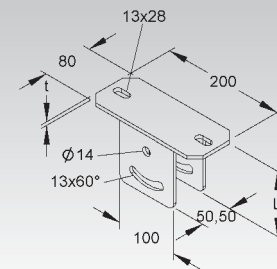
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGV 5050	111/4,3	6	2 SKM 10x80 F	192151	181

for mounting on inclined ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 5050/...

152 mm center distance for long holes 13x28 mm in the head plate of the hanger



## Clamping Head Plate

model no.	slot width mm/Inch	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUDK 5050	18	107/4,2	7	2 FLM 10x25 F	194858	184

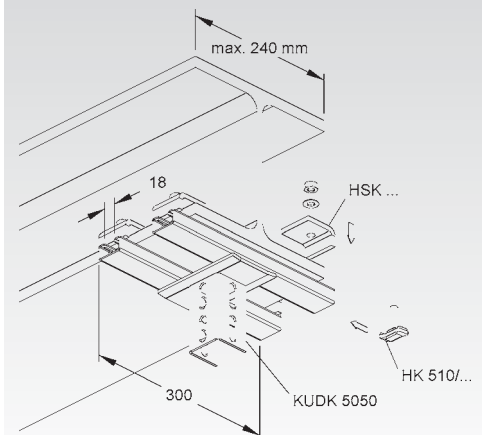
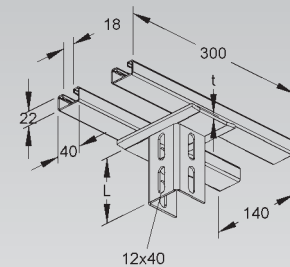
for clamping to horizontal support beams (max. width 240 mm)

**Thickness of headplate is included in total length indicated.**

To be used for: U 5050/... Profile

U-shaped splice plate perforated with slots (12x40 mm) on all three sides.  
Installation mode: crosswise to the support beam

hardware has to be ordered separately: 4x HK 510/..., 4x HSK...



# SUPPORT SYSTEM

## Clamping Head Plate

adjustable from -30° to +30°

model no.	slot width mm/Inch	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KUGPK 5050</b>	18	112/4,4	7	2 SKM 10x80 F	195657	248

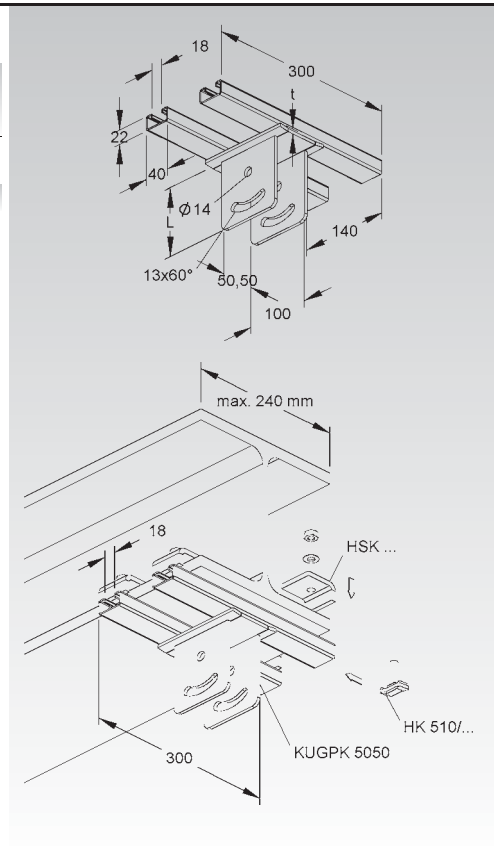
for clamping U-profile to support beams (max. width 240 mm), horizontally adjustable

**Thickness of headplate is included in total length indicated.**

To be used for: U 5050/... Profile

Installation mode: crosswise to the support beam

hardware has to be ordered separately: 4x HK 510/..., 4x HSK...



## Clamping Head Plate

model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KUDP 5050</b>	22	2 FLM 10x25 F	195152	132

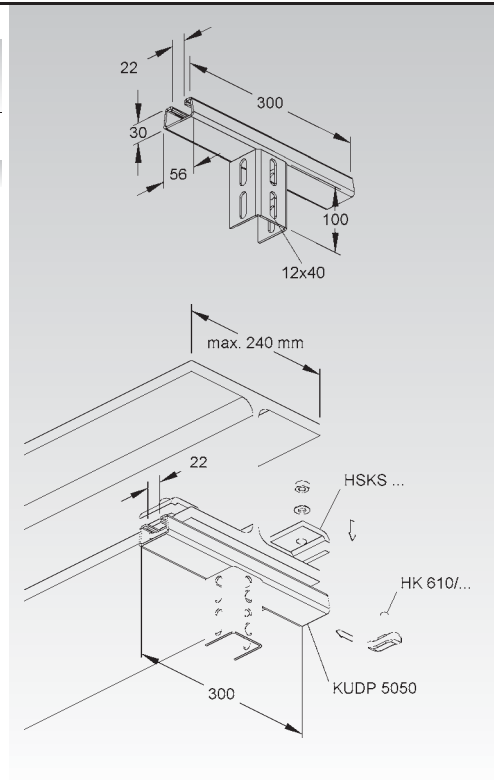
for clamping to horizontal support beams (max. width 240 mm)

To be used for: U 5050/... Profile

Installation mode: in parallel to the support beam

U-shaped splice plate perforated with slots (12x40 mm) on all three sides.

hardware has to be ordered separately: 2x HK 610/..., 2x HSKS...



## Clamping Head Plate

adjustable from -30° to +30°

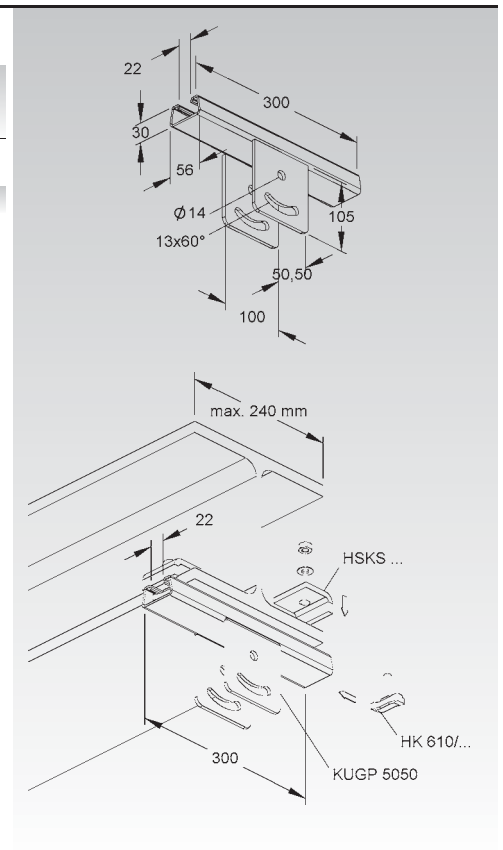
model no.	slot width mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KUGP 5050	22	2 SKM 10x80 F	195558	197

for clamping U-profile to support beams (max. width 240 mm), horizontally adjustable

To be used for: U 5050/... Profile

Installation mode: in parallel to the support beam

hardware has to be ordered separately: 2x HK 610/..., 2x HSKS...



## Overhead Hanger

U-Profile

	model no.	Total length L mm/Inch	EAN code	Weight per 100 pc. kg
F	HU 6040/200	206/8	891450	141
F	HU 6040/250	256/10	891467	157
F	HU 6040/300	306/11,9	891474	174
F	HU 6040/400	406/15,8	891481	208
F	HU 6040/500	506/19,7	891498	241
F	HU 6040/600	606/23,6	891504	275
F	HU 6040/700	706/27,5	891511	308
F	HU 6040/800	806/31,4	891528	342
F	HU 6040/900	906/35,3	891535	376
F	HU 6040/1000	1006/39,2	891542	409
F	HU 6040/1100	1106/43,1	891559	443
F	HU 6040/1200	1206/47	891566	476
F	HU 6040/1500	1506/58,7	891573	577
F	HU 6040/2000	2006/78,2	891580	745
E3	HU 6040/200 E3	206/8	891825	140
E3	HU 6040/250 E3	256/10	891832	157
E3	HU 6040/300 E3	306/11,9	891849	101
E3	HU 6040/400 E3	406/15,8	891856	135
E3	HU 6040/500 E3	506/19,7	891863	168
E3	HU 6040/600 E3	606/23,6	891870	202
E3	HU 6040/700 E3	706/27,5	891887	236
E3	HU 6040/800 E3	806/31,4	891894	269
E3	HU 6040/900 E3	906/35,3	891900	303
E3	HU 6040/1000 E3	1006/39,2	891917	335
E3	HU 6040/1100 E3	1106/43,1	891924	370
E3	HU 6040/1200 E3	1206/47	891931	403
E3	HU 6040/1500 E3	1506/58,7	891948	437
E3	HU 6040/2000 E3	2006/78,2	891955	670

Thickness of headplate is included in total length indicated.  
Please be aware of height restrictions for trays and ladders when brackets are mounted on overhead hangers of 200 mm length only.

To be used for: KTAL..., KTAM..., and KTA... brackets

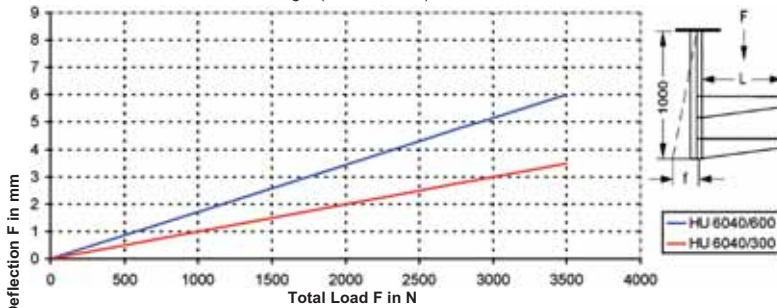
Use appropriate HDS... spacer for mounting brackets on overhead hanger.

For static reasons brackets have to be installed at least 50 mm above hangers end. This will also guarantee an easy mounting of the protective end cap.

center distance of the long holes 13x28 mm in the head plate of the hanger: 152 mm  
50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail

The permissible load shown is valid only for proper anchorage to the building structure. Please consult structural engineering for details and local regulations.

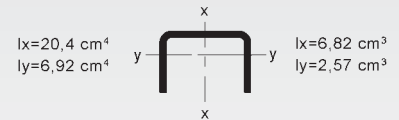
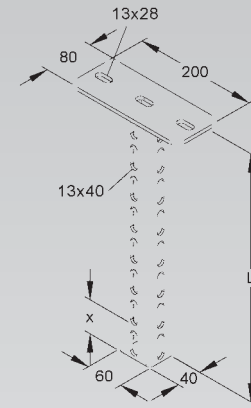
Load Chart: Deflection of Overhead Hanger (onesided load)



There is no noticeable deflection of the hanger for balanced (twosided) loading.



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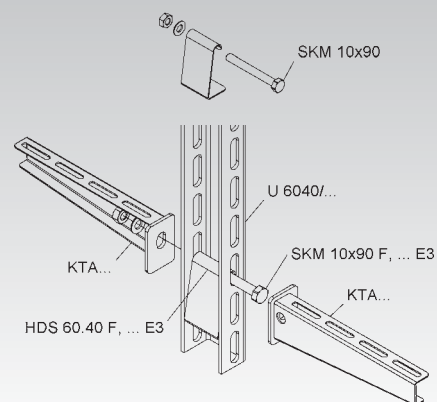




### Spacer for Overhead Hanger

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> HDS 60.40 F	1 SKM 10x90 F	931729	8,5

To be used for: profile U 6040/... and overhead hanger HU 6040/...  
Use appropriate HDS... spacer for mounting brackets on overhead hanger.



### Protective Cap

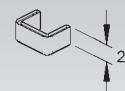
model no.	color	EAN code	Weight per 100 pc. kg
<b>K03</b> SKU 6040	yellow	912162	3

silicone-free PVC for covering the ends of profiles

**To prevent accidents and injuries you must install protective end caps.**

To be used for: profile U 6040/... and overhead hanger HU 6040/...

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.

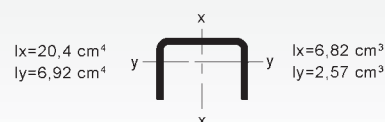
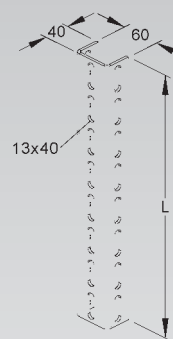


### Profile U 6040

model no.	length (A)	EAN code	Weight per 100 pc. kg
	mm/Inch		
<b>F</b> U 6040/200 F	200/7,8	891603	67
<b>F</b> U 6040/250 F	250/9,8	891610	84
<b>F</b> U 6040/300 F	300/11,7	891627	101
<b>F</b> U 6040/400 F	400/15,6	891634	134
<b>F</b> U 6040/500 F	500/19,5	891641	168
<b>F</b> U 6040/600 F	600/23,4	891658	201
<b>F</b> U 6040/700 F	700/27,3	891665	235
<b>F</b> U 6040/800 F	800/31,2	891672	269
<b>F</b> U 6040/900 F	900/35,1	891689	302
<b>F</b> U 6040/1000 F	1000/39	891696	336
<b>F</b> U 6040/1100 F	1100/42,9	891702	369
<b>F</b> U 6040/1200 F	1200/46,8	891719	403
<b>F</b> U 6040/1500 F	1500/58,5	891726	504
<b>F</b> U 6040/2000 F	2000/78	891733	336
<b>F</b> U 6040/3000 F	3000/117	891740	336
<b>F</b> U 6040/6000 F	6000/234	891764	336
<b>E3</b> U 6040/200 E3	200/7,8	891962	68
<b>E3</b> U 6040/250 E3	250/9,8	891979	83
<b>E3</b> U 6040/300 E3	300/11,7	891986	101
<b>E3</b> U 6040/400 E3	400/15,6	891993	135
<b>E3</b> U 6040/500 E3	500/19,5	892006	168
<b>E3</b> U 6040/600 E3	600/23,4	892013	202
<b>E3</b> U 6040/700 E3	700/27,3	892020	236
<b>E3</b> U 6040/800 E3	800/31,2	892037	269
<b>E3</b> U 6040/900 E3	900/35,1	892044	303
<b>E3</b> U 6040/1000 E3	1000/39	892051	335
<b>E3</b> U 6040/1100 E3	1100/42,9	892068	370
<b>E3</b> U 6040/1200 E3	1200/46,8	892075	403
<b>E3</b> U 6040/1500 E3	1500/58,5	892082	437
<b>E3</b> U 6040/2000 E3	2000/78	892099	335
<b>E3</b> U 6040/3000 E3	3000/117	892105	335
<b>E3</b> U 6040/6000 E3	6000/234	892129	335

for custom-built overhead hangers and for building support frames

50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail



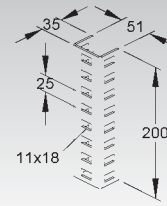
# SUPPORT SYSTEM

## Straight Splice Plate

	model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F	VB 6040	4 FLM 10x25 F	891788	45
E3	VB 6040 E3	4 FLM 10x25 E3	892143	45

To be used for: profile U 6040/...

Profile perforated with slots (11x18 mm) on all three sides.



## Head Plate

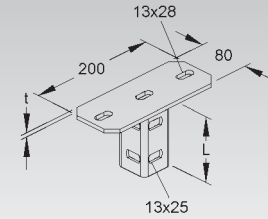
	model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	KU 6040	106/4,1	6	2 FLM 10x25 F	891771	110
E3	KU 6040 E3	106/4,1	6	2 FLM 10x25 E3	892136	110

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: U 6040/... Profile

center distance of the long holes 13x28 mm in the head plate: 152 mm  
50 mm center distance for long holes 13x20 mm in the connector/splice



## Overhead Hanger

I 80 Profile

	model no.	Total length L mm/Inch	EAN code	Weight per 100 pc. kg
F	HI 80/200	206/8	178407	200
F	HI 80/300	306/11,9	178506	240
F	HI 80/400	406/15,8	178605	300
F	HI 80/500	506/19,7	178704	360
F	HI 80/600	606/23,6	178803	420
F	HI 80/700	706/27,5	178902	480
F	HI 80/800	806/31,4	179008	540
F	HI 80/900	906/35,3	179107	600
F	HI 80/1000	1006/39,2	179206	660
F	HI 80/1100	1106/43,1	179305	720
F	HI 80/1200	1206/47	179404	780
F	HI 80/1300	1306/50,9	179503	840
F	HI 80/1400	1406/54,8	179602	900
F	HI 80/1500	1506/58,7	179701	960
F	HI 80/1600	1606/62,6	179800	1020
F	HI 80/1700	1706/66,5	179909	1080
F	HI 80/1800	1806/70,4	180004	1140
F	HI 80/1900	1906/74,3	180103	1200
F	HI 80/2000	2006/78,2	180202	1260

**Thickness of headplate is included in total length indicated.**

**Please be aware of height restrictions for trays and ladders when brackets are mounted on overhead hangers of 200 mm length only.**

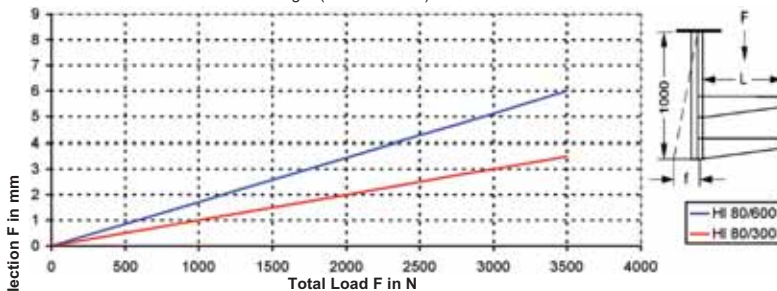
To be used for: KTT..., KTTS... type brackets

For static reasons brackets have to be installed at least 50 mm above hangers end. This will also guarantee an easy mounting of the protective end cap.

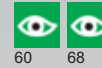
center distance of the long holes 13x28 mm in the head plate: 152 mm  
center distance of the long holes 13x38 mm in the head plate of the hanger: 50 mm

The permissible load shown is valid only for proper anchorage to the building structure. Please consult structural engineering for details and local regulations.

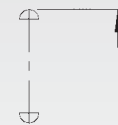
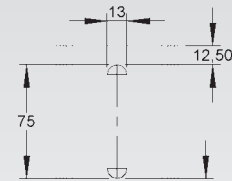
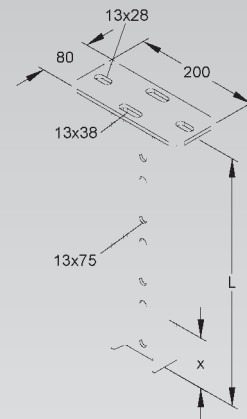
Load Chart: Deflection of Overhead Hanger (onesided load)



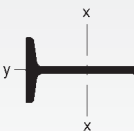
There is no noticeable deflection of the hanger for balanced (twosided) loading.



60 68



$I_x = 77,80 \text{ cm}^4$   
 $I_y = 6,30 \text{ cm}^4$



$w_x = 19,50 \text{ cm}^3$   
 $w_y = 3,00 \text{ cm}^3$

## Protective Cap

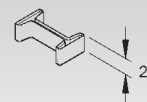
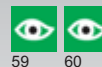
model no.	color	EAN code	Weight per 100 pc. kg
<b>K03 SKI 80</b>	yellow	912605	2

silicone-free PVC for covering the ends of profiles

**To prevent accidents and injuries you must install protective end caps.**

To be used for: profile I 80/... and overhead hanger HI 80/... and vertical cable ladder STIC... and STIW...

Brackets have to be installed at least 50 mm above hangers end to allow an easy mounting of the protective end cap.



## Bracket

medium-duty with preinstalled clamp

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	acc. incl.	EAN code	Weight per 100 pc. kg
F <b>KTT 100</b>	55/2,1	110/4,3	2,5	2 FLM 6x12	181605	25
F <b>KTT 200</b>	55/2,1	210/8,2	2,5	2 FLM 6x12	181803	40
F <b>KTT 300</b>	75/2,9	310/12,1	2,5	2 FLM 6x12	182008	60
F <b>KTT 400</b>	95/3,7	410/16	2,5	2 FLM 6x12	182206	85
F <b>KTT 150</b>	55/2,1	160/6,2	2,5	2 FLM 6x12	181704	35
F <b>KTT 250</b>	75/2,9	260/10,1	2,5	2 FLM 6x12	181902	50
F <b>KTT 350</b>	75/2,9	360/14	2,5	2 FLM 6x12	182107	70
F <b>KTT 450</b>	95/3,7	460/17,9	2,5	2 FLM 6x12	182305	100
F <b>KTT 550</b>	95/3,7	560/21,8	2,5	2 FLM 6x12	182503	126
F <b>KTT 500</b>	95/3,7	510/19,9	2,5	2 FLM 6x12	182404	116
F <b>KTT 600</b>	95/3,7	610/23,8	2,5	2 FLM 6x12	182602	136

To be used for: profile I 80/... as well as overhead hanger HI 80/...

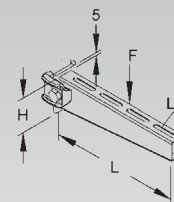
long hole size 7x40 mm for KTT 100-400

long hole size 7x40 mm for KTT 150, 250, 350, 450 and 550

long hole size 7x38 mm for KTT 500 and 600

The load rating shown is valid only for proper anchorage to the building structure.

mounting hardware has to be ordered separately: for cable ladders 2x KLTB 6 and 2x UGM 6



## Protective Cap

model no.	color	EAN code	Weight per 100 pc. kg
<b>K10 KA 100-600</b>	yellow	347056	1,4

to cover the tips of the brackets

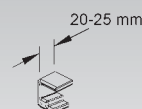
**To prevent accidents and injuries you must install protective end caps.**

To be used for: support brackets

KTA 100 - 600 F, E3 and E5

KTU 100 - 600 F, E3 and E5

KTT 100 - 600 F



## Bracket

heavy-duty with pre-installed clamp

model no.	height (H) mm/Inch	length (A) mm/Inch	admissible load F at L/2 kN	EAN code	Weight per 100 pc. kg
F <b>KTTS 200</b>	110/4,3	230/9	5	182800	80,8
F <b>KTTS 300</b>	110/4,3	330/12,9	5	182909	101,2
F <b>KTTS 400</b>	110/4,3	430/16,8	5	183005	123,9
F <b>KTTS 500</b>	150/5,8	530/20,7	5	183104	158,9

To be used for: profile I 80/... and overhead hanger HI 80/...

The load rating shown is valid only for proper anchorage to the building structure.

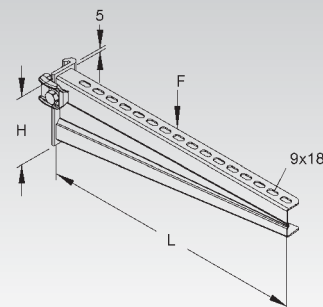
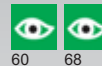
hardware has to be ordered separately:

for cable tray: FLM 6x12

for cable ladder: KLTB 6 and UGM 6

for long span cable ladder: WSTB 2

for long span cable tray: FLM 8x16 F



# SUPPORT SYSTEM

## Bracket

heavy-duty with two pre-installed clamps

	model no.	height (H)	length (A)	admissible load F at L/2	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch			
F	<b>KTTS 600</b>	150/5,8	630/24,6	5	183203	197,9
F	<b>KTTS 700</b>	150/5,8	730/28,5	5	183302	267,7
F	<b>KTTS 800</b>	190/7,4	830/32,4	5	183401	316,9
F	<b>KTTS 900</b>	190/7,4	930/36,3	5	183500	358,5
F	<b>KTTS 1000</b>	190/7,4	1030/40,2	5	183609	402,7

To be used for: profile I 80/... and overhead hanger HI 80/...

The load rating shown is valid only for proper anchorage to the building structure.

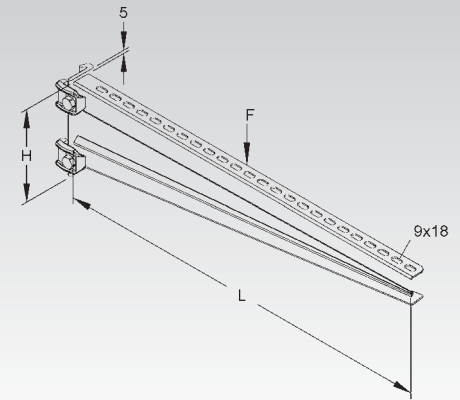
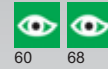
hardware has to be ordered separately:

for cable tray: FLM 6x12

for cable ladder: KLTB 6 and UGM 6

for long span cable ladder: WSTB 2

for long span cable tray: FLM 8x16 F

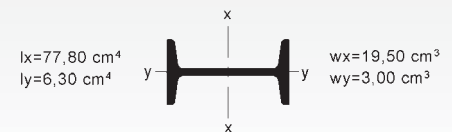
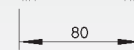
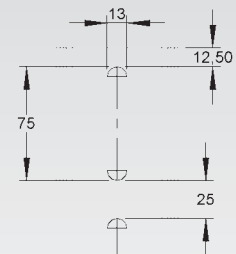
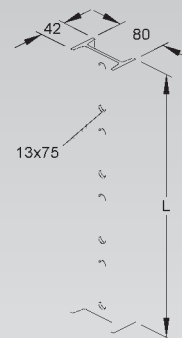
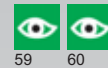


## Profile I 80

according to DIN 1025 standard

	model no.	length (A)	EAN code	Weight per 100 pc. kg
		mm/Inch		
F	<b>I 80/200</b>	200/7,8	180301	120
F	<b>I 80/300</b>	300/11,7	180400	180
F	<b>I 80/400</b>	400/15,6	180509	240
F	<b>I 80/500</b>	500/19,5	180608	300
F	<b>I 80/600</b>	600/23,4	180707	360
F	<b>I 80/700</b>	700/27,3	180806	420
F	<b>I 80/800</b>	800/31,2	180905	480
F	<b>I 80/900</b>	900/35,1	181001	540
F	<b>I 80/1000</b>	1000/39	181100	600
F	<b>I 80/1500</b>	1500/58,5	181209	900
F	<b>I 80/2000</b>	2000/78	181308	1200
F	<b>I 80/3000</b>	3000/117	181407	600
F	<b>I 80/6000</b>	6000/234	181506	600

for custom-built overhead hangers, vertical cable ladders STIC/STIW and for building support frames



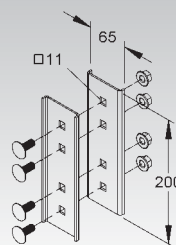


## Straight Splice Plate

model no.	acc. incl.	EAN code	Weight per 100 pairs kg
<b>F</b> VBI 80	4 FLM 10x25 F	199501	152

**4 pieces required per joint**

To be used for: profile I 80/... and overhead hanger HI 80/...



## Head Plate

model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KI 80	151/5,9	6	2 FLM 10x25 F	192908	150

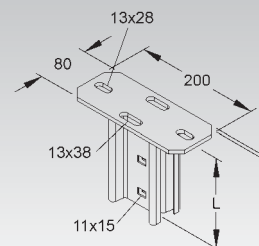
for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

152 mm center distance for long holes 13x28 mm in the head plate of the hanger

50 mm center distance for long holes 13x38 mm in the head plate

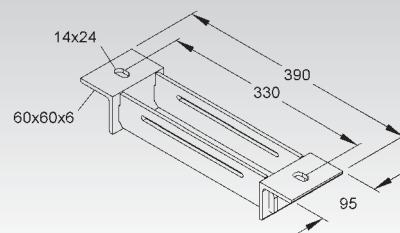
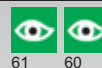


## Head Plate Extender Device

model no.	EAN code	Weight per 100 pc. kg
<b>F</b> KIA 80	911882	224

for extending the center distance in between the anchors and to increase the load rating of the overhead hanger HI 80/...

To be used for: overhead hanger HI 80/... and I 80/...profile with head plate KI 80/...



## Head Plate

crosswise to profile I 80

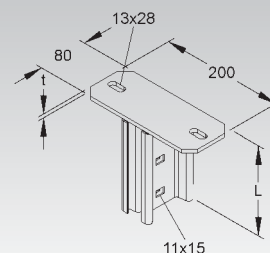
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KIQ 80	151/5,9	6	2 FLM 10x25 F	903009	134

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

152 mm center distance for long holes 13x28 mm in the head plate of the hanger



# SUPPORT SYSTEM

## Clamping Head Plate

model no.	slot width	Total length L	thickness of the head plate (t)	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
<b>F</b> KIDK 80	22	153/6	8	2 FLM 10x25 F	195008	290

for clamping to horizontal support beams (max. width 240 mm)

**Thickness of headplate is included in total length indicated.**

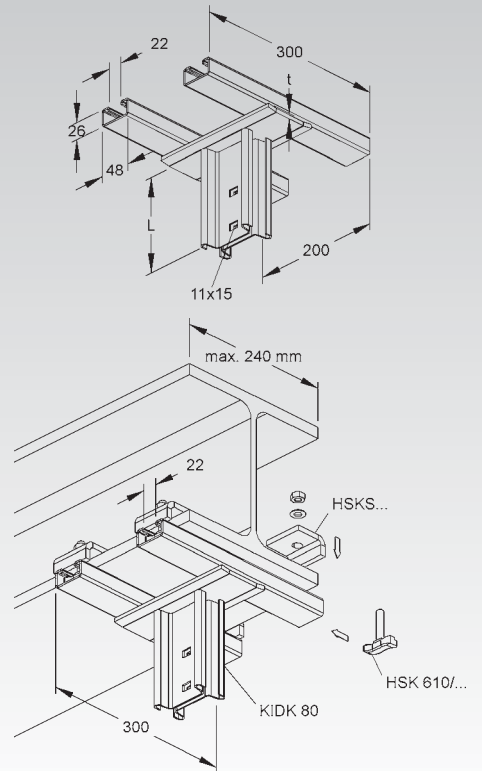
To be used for: profile I 80/...

Installation mode: crosswise to the support beam

hardware has to be ordered separately: 4x HK 610/..., 4x HSKS...



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## Clamping Head Plate

model no.	slot width	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
<b>F</b> KIDP 80	22	2 FLM 10x25 F	195305	225

for clamping to horizontal support beams (max. width 240 mm)

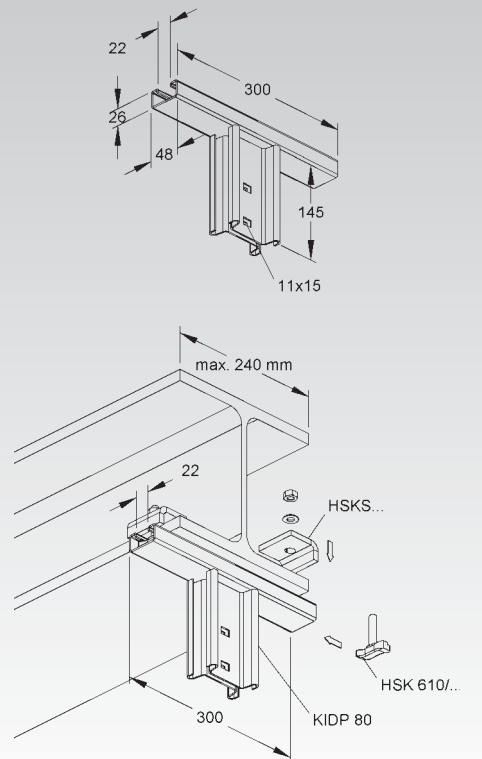
To be used for: profile I 80/...

Installation mode: in parallel to the support beam

hardware has to be ordered separately: 2x HK 610/..., 2x HSKS...



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### Head Plate

vertical, adjustable from -50° to +50°

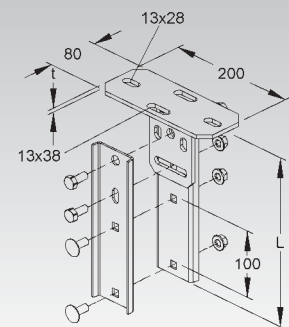
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KIGV 80</b>	261/10,2	6	2 FLM 10x25 F	193103	156

for mounting on inclined ceilings and support beams

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

Installation mode: in parallel to the support beam  
152 mm center distance for long holes 13x28 mm in the head plate of the hanger  
50 mm center distance for long holes 13x38 mm in the head plate  
Unit is preassembled.



### Head Plate

adjustable from -50° to +50°

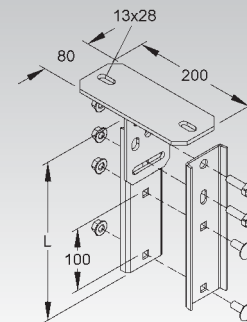
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F KIGVQ 80</b>	261/10,2	6	2 FLM 10x25 F	922352	156

for mounting on inclined ceilings and support beams

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

Installation mode: crosswise to the support beam  
152 mm center distance for long holes 13x28 mm in the head plate of the hanger  
Unit is preassembled.

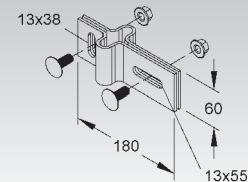


### Tee Connector

model no.	acc. incl.	EAN code	Weight per 100 pairs kg
<b>F VBIQ 80</b>	2 FLM 12x30 F	192809	96

2 pieces required per joint

To be used for: profile I 80/... and overhead hanger HI 80/...



### Wall Support

symmetric

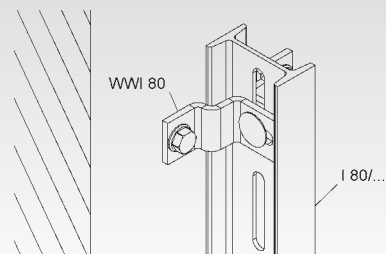
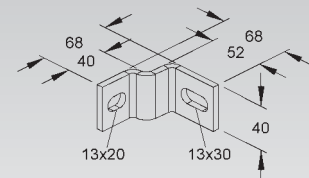
model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F WWI 80</b>	1 FLM 12x30 F	193004	26,7

for mounting I 80/... profiles to the wall

To be used for: profile I 80/..., overhead hangers HI 80/... and vertical cable ladders of type STIC.... and STIW...



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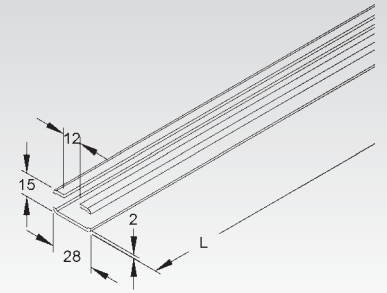
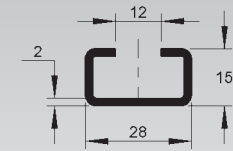


# SUPPORT SYSTEM

## C-rail 2917

C-rail, slot width 12 mm, solid

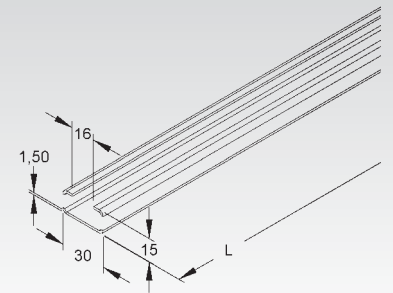
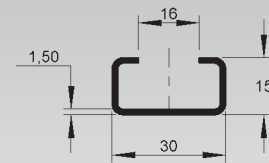
model no.	length (A)	EAN code	Weight per 100 m
	mm/Inch		kg
B 2917/2 BO	2000/78	035700	95,7
B 2917/6 BO	6000/234	035809	95,8
G 2917/4 GO	4000/156	029600	95,7
F 2917/2 FO	2000/78	035908	102,5
F 2917/6 FO	6000/234	036004	102,5



## C-rail 2970

C-rail, slot width 16 mm, solid, according to DIN EN 60715 standard

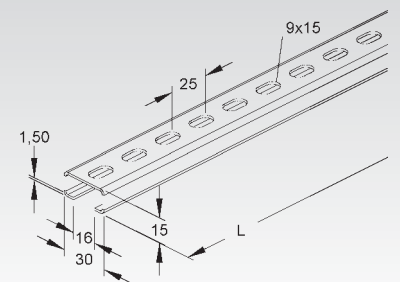
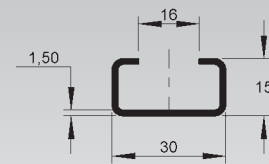
model no.	length (A)	EAN code	Weight per 100 m
	mm/Inch		kg
B 2970/2 BO	2000/78	036202	76
B 2970/6 BO	6000/234	036301	76
V 2970/2 VO	2000/78	036554	76
G 2970/2 GO	2000/78	029808	76
G 2970/4 GO	4000/156	030002	76
S 2970/2 SO	2000/78	036806	76
S 2970/6 SO	6000/234	037001	76
F 2970/2 FO	2000/78	036509	80
F 2970/6 FO	6000/234	036608	80
E3 2970/2 E3	2000/78	037902	76
E3 2970/6 E3	6000/234	038008	76



## C-rail 2970

C-rail, slot width 16 mm, perforated, according to DIN EN 60715 standard

model no.	length (A)	perforation	distance between drill holes	EAN code	Weight per 100 m
	mm/Inch	mm/Inch	mm/Inch		kg
G 2970/2 GL	2000/78	9x15	25	030101	72
G 2970/4 GL	4000/156	9x15	25	030200	72
S 2970/2 SL	2000/78	9x15	25	030309	65



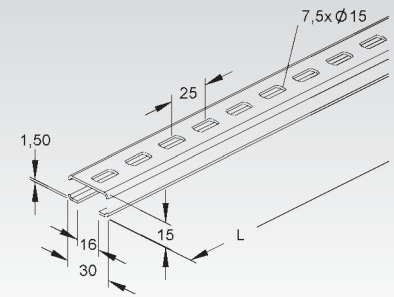
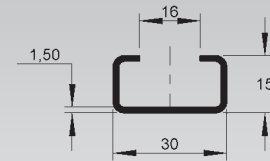


### C-rail 2970

C-rail, slot width 16 mm, according to DIN EN 60715 standard

model no.	length (A) mm/Inch	perforation mm/Inch	distance between drill holes mm/Inch	EAN code	Weight per 100 m kg
<b>E3</b> 2970/6 E3L	6000/234	7,5xØ15	25	342204	75

with special perforation

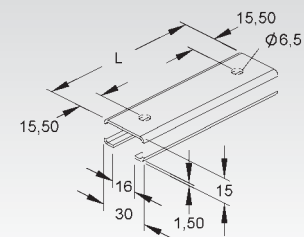
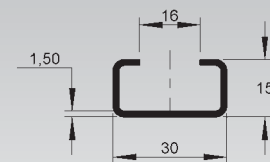


### C-rail 2970

C-rail, slot width 16 mm, one hole at each end, according to DIN EN 60715 standard

model no.	length (A) mm/Inch	perforation mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> 2970/100-2 SL	100/3,9	2xØ6,5	037841	8
<b>S</b> 2970/200-2 SL	200/7,8	2xØ6,5	037308	16
<b>S</b> 2970/300-2 SL	300/11,7	2xØ6,5	037605	24
<b>S</b> 2970/400-2 SL	400/15,6	2xØ6,5	037209	32
<b>S</b> 2970/500-2 SL	500/19,5	2xØ6,5	037704	40

two drill holes

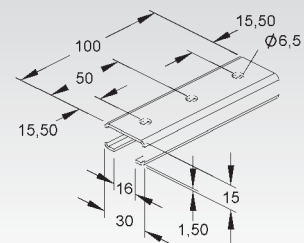
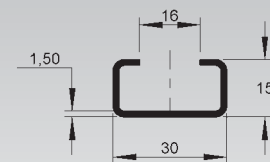


### C-rail 2970

C-rail, slot width 16 mm, three holes, according to DIN EN 60715 standard

model no.	length (A) mm/Inch	perforation mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> 2970/100-3 SL	100/3,9	3xØ6,5	037407	7,8

three drill holes

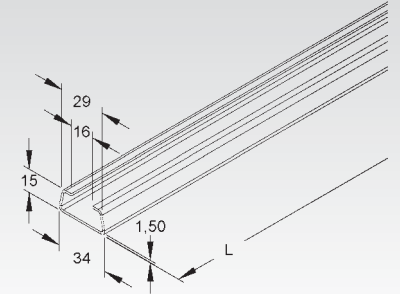
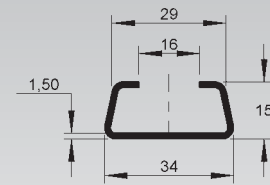


# SUPPORT SYSTEM

## C-rail 2975

C-rail, slot width 16 mm, solid

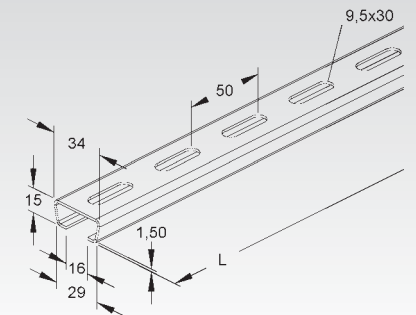
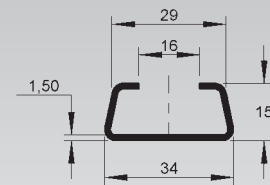
	model no.	length (A) mm/Inch	EAN code	Weight per 100 m kg
B	2975/2 BO	2000/78	040209	80
B	2975/6 BO	6000/234	040308	80
S	2975/2 SO	2000/78	041107	80
S	2975/6 SO	6000/234	041404	80
F	2975/1 FO	1000/39	040605	86
F	2975/2 FO	2000/78	040704	86
F	2975/6 FO	6000/234	040803	86



## C-rail 2975

C-rail, slot width 16 mm, perforated

	model no.	length (A) mm/Inch	perforation mm/Inch	distance between drill holes mm/Inch	EAN code	Weight per 100 m kg
F	2975/2 FL	2000/78	9,5x30	50	040728	81

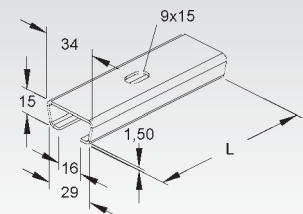
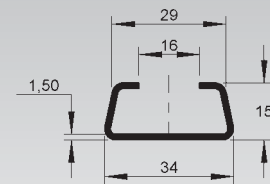


## C-rail 2975

C-rail, slot width 16 mm, one centric hole

	model no.	length (A) mm/Inch	perforation mm/Inch	EAN code	Weight per 100 pc. kg
F	2975/0.100 FL	100/3,9	9x15	040759	8,5
F	2975/0.150 FL	150/5,8	9x15	040766	12,8

one center hole

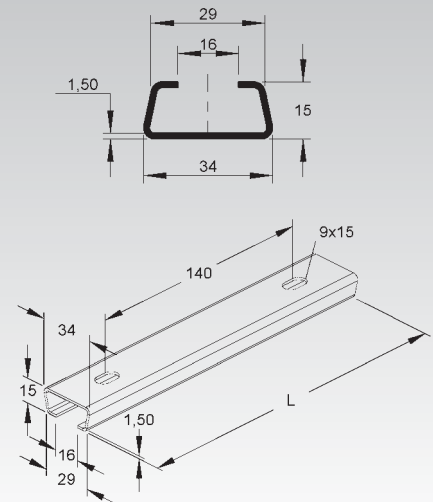


### C-rail 2975

C-rail, slot width 16 mm, one centric hole

model no.	length (A) mm/Inch	perforation mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> 2975/0.200 FL	200/7,8	9x15	040773	17,2
<b>F</b> 2975/0.300 FL	300/11,7	9x15	040780	25,7

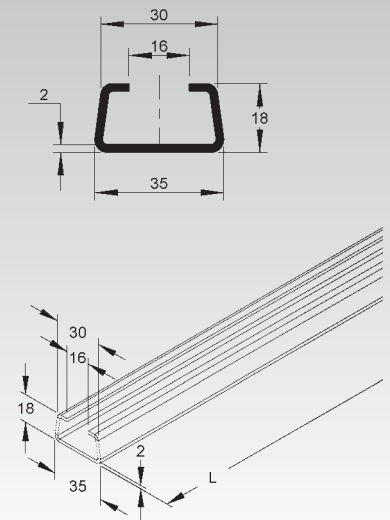
two drill holes



### C-rail 2980

C-rail, slot width 16 mm, solid

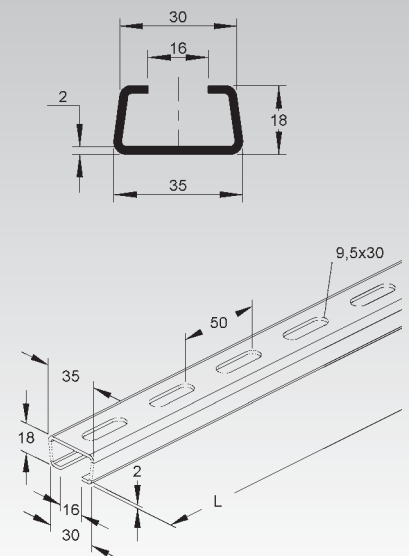
model no.	length (A) mm/Inch	EAN code	Weight per 100 m kg
<b>B</b> 2980/2 BO	2000/78	041602	115
<b>B</b> 2980/6 BO	6000/234	041800	115
<b>S</b> 2980/2 SO	2000/78	042609	115
<b>S</b> 2980/6 SO	6000/234	042708	115
<b>F</b> 2980/1 FO	1000/39	042005	123
<b>F</b> 2980/2 FO	2000/78	042104	123
<b>F</b> 2980/6 FO	6000/234	042302	123
<b>E3</b> 2980/2 E3	2000/78	042241	115,35



### C-rail 2980

C-rail, slot width 16 mm, perforated

model no.	length (A) mm/Inch	perforation mm/Inch	distance between drill holes mm/Inch	EAN code	Weight per 100 m kg
<b>S</b> 2980/2 SL	2000/78	9,5x30	50	042555	112
<b>F</b> 2980/2 FL	2000/78	9,5x30	50	042203	120

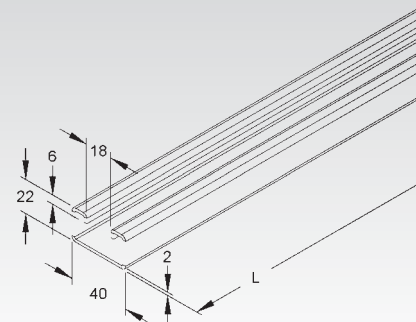
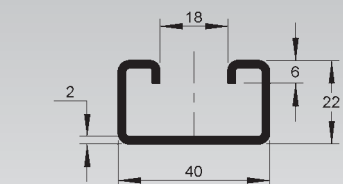


# SUPPORT SYSTEM

## C-rail 2986

C-rail, slot width 18 mm, solid, according to DIN EN 60715 standard

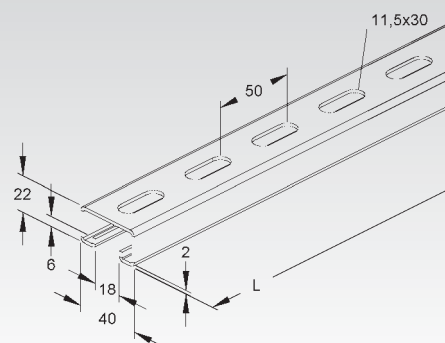
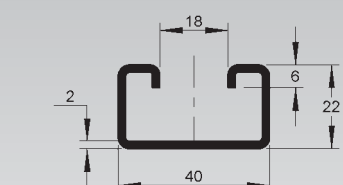
model no.	length (A)	EAN code	Weight per 100 m
	mm/Inch		m/kg
B 2986/2 BO	2000/78	043408	157
B 2986/6 BO	6000/234	043507	157
G 2986/2 GO	2000/78	031702	157
G 2986/4 GO	4000/156	031801	157
S 2986/2 SO	2000/78	044009	157
S 2986/3 SO	3000/117	193141	157
S 2986/4 SO	4000/156	044306	157
S 2986/6 SO	6000/234	044108	157
F 2986/2 FO	2000/78	043705	168
F 2986/6 FO	6000/234	043804	168



## C-rail 2986

C-rail, slot width 18 mm, perforated, according to DIN EN 60715 standard

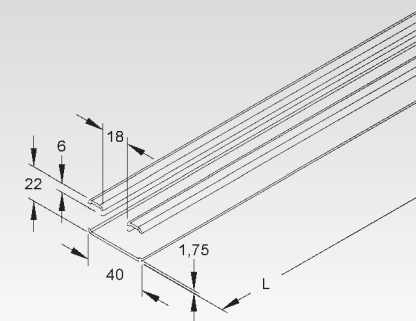
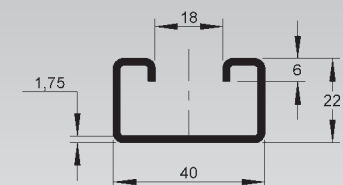
model no.	length (A)	perforation	distance between drill holes	EAN code	Weight per 100 m
	mm/Inch	mm/Inch	mm/Inch		m/kg
S 2986/3 SL	3000/117	11,5x30	50	193158	156
S 2986/6 SL	6000/234	11,5x30	50	032259	156
F 2986/100 FL	100/3,9	11,5x30	50	873104	15,7
F 2986/200 FL	200/7,8	11,5x30	50	873128	31,4
F 2986/300 FL	300/11,7	11,5x30	50	873142	47,1
F 2986/400 FL	400/15,6	11,5x30	50	873166	62,8
F 2986/500 FL	500/19,5	11,5x30	50	873180	78,5
F 2986/600 FL	600/23,4	11,5x30	50	193134	94,2
F 2986/2 FL	2000/78	11,5x30	50	043750	156
F 2986/3 FL	3000/117	11,5x30	50	193165	156
F 2986/6 FL	6000/234	11,5x30	50	032204	156
E3 2986/3 E3L	3000/117	11,5x30	50	342228	156
E5 2986/3 E5L	3000/117	11,5x30	50	728923	156
E5 2986/6 E5L	6000/234	11,5x30	50	728954	156



## C-rail 2986

C-rail, slot width 18 mm, solid, according to DIN EN 60715 standard, material thickness 1.75 mm

model no.	length (A)	thick-ness (t)	EAN code	Weight per 100 m
	mm/Inch	mm/Inch		m/kg
S 2986-1.75/2 SO	2000/78	1,75	043958	139

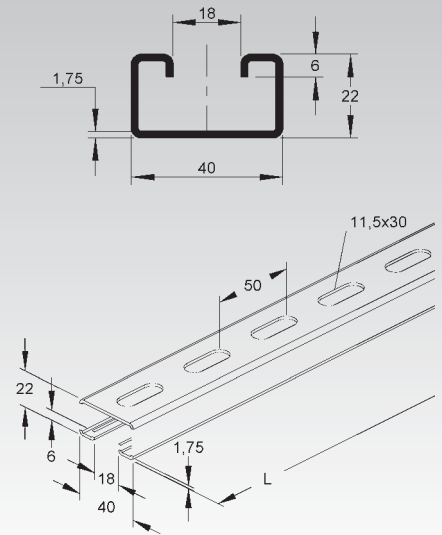




### C-rail 2986

C-rail, slot width 18 mm, solid, according to DIN EN 60715 standard, material thickness 1.75 mm

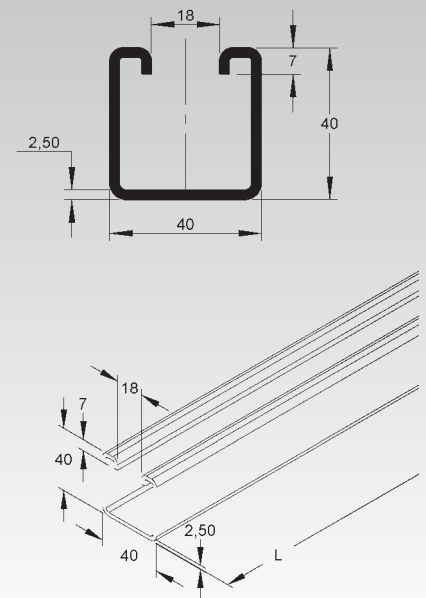
model no.	length (A) mm/Inch	perforation mm/Inch	distance between drill holes mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S 2986-1.75/2 SL	2000/78	11,5x30	50	1,75	043965	139
S 2986-1.75/6 SL	6000/234	11,5x30	50	1,75	043989	139



### C-rail 2988

C-rail, slot width 18 mm, solid

model no.	length (A) mm/Inch	EAN code	Weight per 100 m kg
B 2988/2 BO	2000/78	044504	265
B 2988/6 BO	6000/234	044603	265
G 2988/2 GO	2000/78	032303	265
G 2988/3 GO	3000/117	032402	265
G 2988/4 GO	4000/156	032501	265
F 2988/2 FO	2000/78	044900	285
F 2988/6 FO	6000/234	045006	285

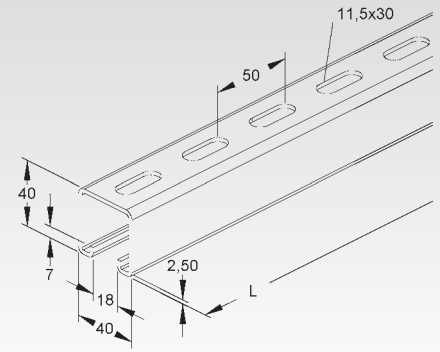
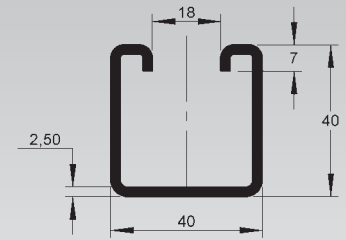


# SUPPORT SYSTEM

## C-rail 2988

C-rail, slot width 18 mm, perforated

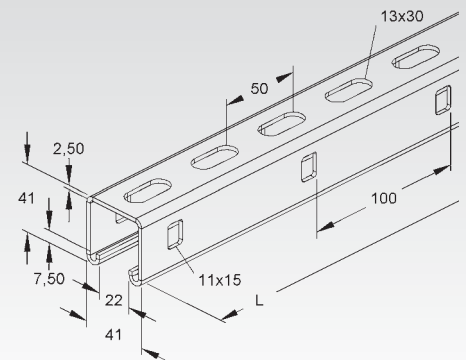
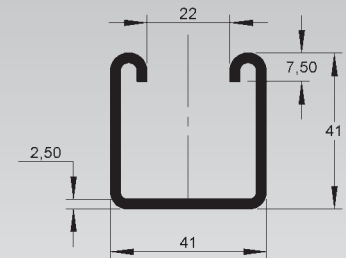
model no.	length (A)	perforation	distance between drill holes	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
F 2988/2 FL	2000/78	11,5x30	50	044955	259
F 2988/6 FL	6000/234	11,5x30	50	045013	259



## C-rail 2996

C-rail, slot width 22 mm, perforated

model no.	length (A)	EAN code	Weight per 100 pc. kg
	mm/Inch		
★ F 2996/4.5 FL	4500/175,5	893942	1080

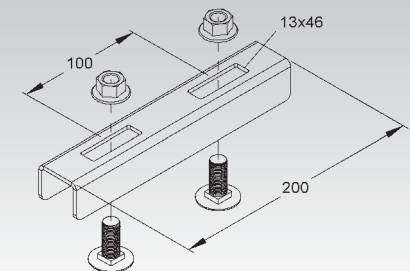


## Splice Plate

inside

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
★ F SSV 4141 F	2 FLM 12x30 F	898541	38

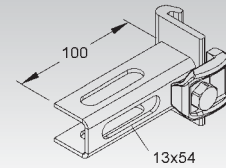
To be used for: C-rail, type 2996



### Connector Bracket

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> SAEI 80	1 SKM 10x35 F, 1 VM 10 F	898589	33

To be used for: C-rail, type 2996



### Protective Cap

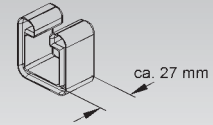
model no.	color	EAN code	Weight per 100 pc. kg
<b>K03</b> SKC 88/96	yellow	926800	1,3

protective end cap for rails, free of halogene and silicon

**To prevent accidents and injuries you must install protective end caps.**

To be used for: C-rail, type 2988... and 2996...

Brackets have to be installed at least 30 mm above hangers end to allow an easy mounting of the protective end cap.

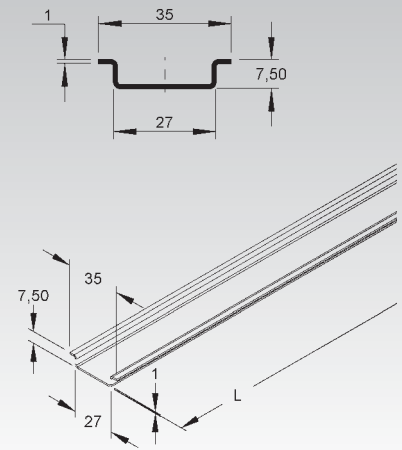


### C-Profile type 2933

solid DIN rail, width 35 mm, according to DIN EN 60715 standard

model no.	length (A)	EAN code	Weight per 100 m kg
	mm/Inch		
<b>B</b> 2933/2 BO	2000/78	022700	35
<b>V</b> 2933/2 VO	2000/78	023929	35
<b>G</b> 2933/2 GO	2000/78	023301	35
<b>G</b> 2933/4 GO	4000/156	022908	35
<b>S</b> 2933/2 SO	2000/78	024506	35
<b>S</b> 2933/4 SO	4000/156	024308	35
<b>E3</b> 2933/2 E3	2000/78	023042	35

for quick mounting of terminal blocks and other devices

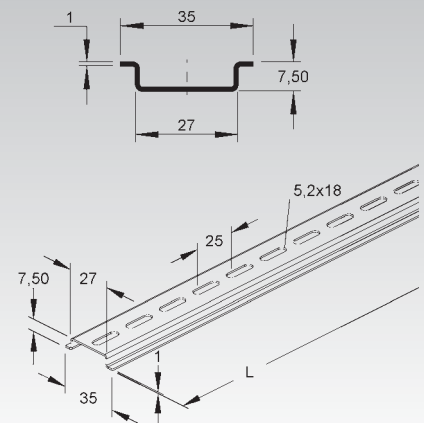


### C-Profile type 2933

perforated DIN rail, width 35 mm, according to DIN EN 60715 standard

model no.	length (A)	perforation	distance between drill holes	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
<b>V</b> 2933/2 VL	2000/78	5,2x18	25	023943	32
<b>G</b> 2933/2 GL	2000/78	5,2x18	25	024001	32
<b>G</b> 2933/4 GL	4000/156	5,2x18	25	024100	32
<b>S</b> 2933/2 SL	2000/78	5,2x18	25	024803	32
<b>S</b> 2933/4 SL	4000/156	5,2x18	25	025008	32

for quick mounting of terminal blocks and other devices



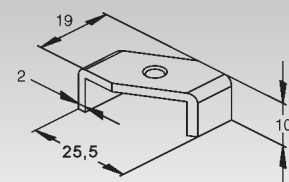
### U-shaped Slide Nut

Special version, cheese head bolts not included

model no.	thread	EAN code	Weight per 100 pc. kg
<b>V</b> GUE 404	M 4	116409	0,81
<b>V</b> GUE 405	M 5	116508	0,8

insertable at any position of the rail

To be used for: 2970, 2971 and 2972 rail



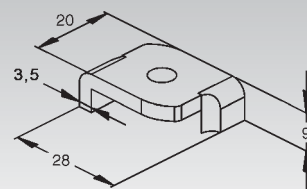
## U-shaped Slide Nut

Special version, cheese head bolts not included

model no.	thread	EAN code	Weight per 100 pc. kg
<b>G</b> <b>GUE 406</b>	M 6	116607	1,43
<b>G</b> <b>GUE 408</b>	M 8	116706	1,35

insertable at any position of the rail

To be used for: 2970, 2971 and 2972 rail



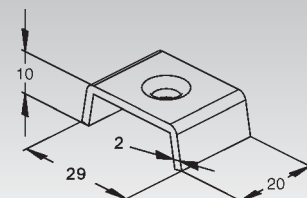
## U-shaped Slide Nut

without slotted cheese head bolt

model no.	thread	EAN code	Weight per 100 pc. kg
<b>G</b> <b>GU 405</b>	M 5	115600	1,29
<b>G</b> <b>GU 406</b>	M 6	115709	1,28

insertable from the end of the rail

To be used for: 2975 and 2980 rail



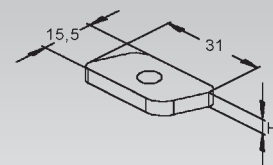
## Sloped Sliding Nut

Special version, cheese head bolts not included

model no.	thread	height (H)	EAN code	Weight per 100 pc. kg
<b>V</b> <b>GSM 406 V</b>	M 6	4/0,2	118656	1,88
<b>V</b> <b>GSM 410</b>	M 10	6/0,2	118809	1,44
<b>G</b> <b>GSM 406</b>	M 6	4/0,2	118601	1,88
<b>G</b> <b>GSM 408</b>	M 8	6/0,2	118700	1,64
<b>E3</b> <b>GSM 406 E3</b>	M 6	4/0,2	119325	1,88
<b>E3</b> <b>GSM 408 E3</b>	M 8	4/0,2	119349	1,33
<b>E3</b> <b>GSM 410 E3</b>	M 10	4/0,2	119363	1,44
<b>E5</b> <b>GSM 406 E5</b>	M 6	4/0,2	118557	1,88

insertable at any position of the rail

To be used for: 2970, 2971, 2972, 2975 and 2980 rail



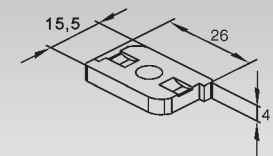
## Sloped Sliding Nut

Special version, cheese head bolts not included

model no.	thread	EAN code	Weight per 100 pc. kg
<b>G</b> <b>GSM 0404</b>	M 4	119004	0,76
<b>G</b> <b>GSM 0405</b>	M 5	119103	0,76
<b>G</b> <b>GSM 0406</b>	M 6	119202	0,97
<b>G</b> <b>GSM 0408</b>	M 8	119301	0,92

insertable at any position of the rail

To be used for: 2970, 2971 and 2972 rail



## Sloped Sliding Nut

with clamping spring (phosphated)

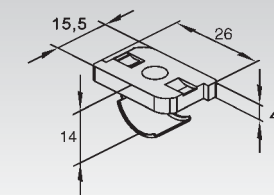
model no.	thread	EAN code	Weight per 100 pc. kg
<b>G</b> <b>GSF 0404</b>	M 4	119400	0,86
<b>G</b> <b>GSF 0405</b>	M 5	119509	0,84
<b>G</b> <b>GSF 0406</b>	M 6	119608	1,04
<b>G</b> <b>GSF 0408</b>	M 8	119707	1,02

insertable at any position of the rail

To be used for: 2970 and 2971 rail



70





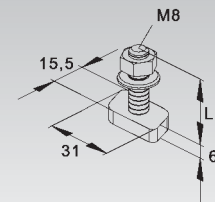
### Hammer Head Bolt, size M8

nut and washer included

	model no.	length (A)	EAN code	Weight per 100 pc. kg
		mm/Inch		
V	HM 408/20	20/0,8	122806	3
V	HM 408/30	30/1,2	122905	3,5
V	HM 408/40	40/1,6	123001	3,9
V	HM 408/50	50/2	123100	4,3

insertable at any position of the rail

To be used for: 2970, 2971, 2972, 2975 and 2980 rail



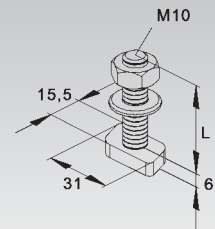
### Hammer Head Bolt, size M10

nut and washer included

	model no.	length (A)	EAN code	Weight per 100 pc. kg
		mm/Inch		
V	HM 410/30	30/1,2	123209	4,6
V	HM 410/40	40/1,6	123308	5,2
V	HM 410/50	50/2	123407	5,8
V	HM 410/60	60/2,3	123421	6,2
V	HM 410/90	90/3,5	123483	7,2

insertable at any position of the rail

To be used for: 2970, 2971, 2972, 2975 and 2980 rail



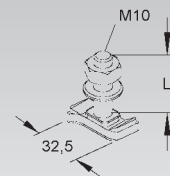
### Hook Head Bolt, size M10

nut and washer included

	model no.	length (A)	strength category	EAN code	Weight per 100 pc. kg
		mm/Inch			
V	HK 510/20	20/0,8	4.6	123704	3,8
V	HK 510/30	30/1,2	4.6	123803	4,1
V	HK 510/40	40/1,6	4.6	123902	4,9
V	HK 510/50	50/2	4.6	124008	5,4
E5	HK 510/30 E5	30/1,2	4.6	123827	4,1
E5	HK 510/50 E5	50/2	4.6	124022	5,4

insertable at any position of the rail

To be used for: 2985, 2986, 2988 and 2990 rail  
2986 and 2988 rail



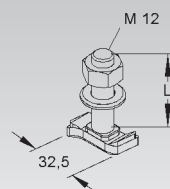
### Hook Head Bolt, size M12

nut and washer included

	model no.	length (A)	strength category	EAN code	Weight per 100 pc. kg
		mm/Inch			
V	HK 512/20	20/0,8	4.6	124107	5,3
V	HK 512/30	30/1,2	4.6	124206	6
V	HK 512/50	50/2	4.6	124305	6,7
F	HK 512/30 F	30/1,2	4.6	124251	7,1
F	HK 512/50 F	50/2	4.6	124350	8,4

insertable at any position of the rail

To be used for: 2985, 2986, 2988 and 2990 rail



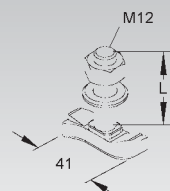
### Hook Head Bolt, size M12

nut and washer included

	model no.	length (A)	strength category	EAN code	Weight per 100 pc. kg
		mm/Inch			
V	HK 612/30	30/1,2	4.6	124909	6,7
V	HK 612/50	50/2	4.6	125005	7,5
V	HK 612/80	80/3,1	4.6	125050	12,4
F	HK 612/40 F	40/1,6	4.6	124954	9,6

insertable at any position of the rail

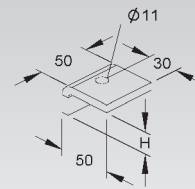
To be used for: C-Profiles type 2987, 2991, 2994 and 2995



# SUPPORT SYSTEM

## Beam Clamp

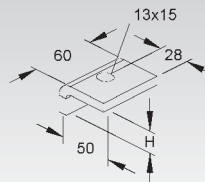
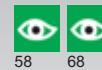
model no.	height (H) mm/Inch	flange thickness (t) mm/Inch	EAN code	Weight per 100 pc. kg
F HSK 10	10/0,4	5 - 9	195800	15
F HSK 15	15/0,6	10 - 14	195909	18
F HSK 20	20/0,8	15 - 19	196104	20
F HSK 25	25/1	20 - 24	196203	24
F HSK 30	30/1,2	25 - 29	196005	30
F HSK 35	35/1,4	30 - 34	196302	36
F HSK 40	40/1,6	35 - 39	196401	44
E3 HSK 10 E3	10/0,4	5 - 9	768509	15
E3 HSK 15 E3	15/0,6	10 - 14	768608	18
E3 HSK 20 E3	20/0,8	15 - 19	768707	20
E3 HSK 25 E3	25/1	20 - 24	768806	24
E3 HSK 30 E3	30/1,2	25 - 29	768905	30
E3 HSK 35 E3	35/1,4	30 - 34	769001	36
E3 HSK 40 E3	40/1,6	35 - 39	769100	44



## Beam Clamp

heavy-duty version

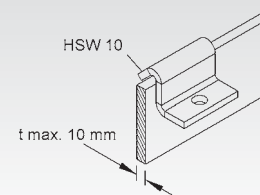
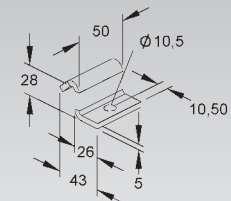
model no.	height (H) mm/Inch	flange thickness (t) mm/Inch	EAN code	Weight per 100 pc. kg
F HSKS 10	10/0,4	5 - 9	196425	21
F HSKS 15	15/0,6	10 - 14	196432	25
F HSKS 20	20/0,8	15 - 19	196449	27
F HSKS 25	25/1	20 - 24	196456	33
F HSKS 30	30/1,2	25 - 29	196463	41
F HSKS 35	35/1,4	30 - 34	196470	49
F HSKS 40	40/1,6	35 - 39	196487	60



## Angle Clamp

model no.	EAN code	Weight per 100 pc. kg
F HSW 10	196500	20

for clamping to profiles (width max. 10 mm)



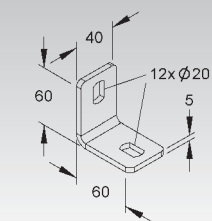
## Wall Support

symmetric

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F WWU 150	1 FLM 10x25 F	194407	20

for floor-, ceiling- or wall-mount

To be used for: U-profile U 50/..., U 5050/ ..., U 6040/..., U 100/...



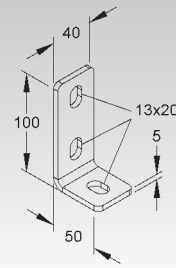
## Wall Support

asymmetric

	model no.	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	<b>WWA 100</b>	5	1 FLM 10x25 F	194759	30
E3	<b>WWA 100 E3</b>	4	1 FLM 10x25 E3	344345	19,4

for floor-, ceiling- or wall-mount

To be used for: Stainless Steel U-Profile U 50/..., U 6040/..., U 100/...  
U-profile U 50/..., U 5050/ ..., U 6040/..., U 100/...

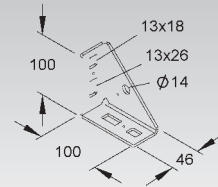


## Angle Joint

	model no.	EAN code	Weight per 100 pc. kg
F	<b>TRV 40</b>	891795	40,5
E3	<b>TRV 40 E3</b>	892150	40,5

for connecting U-Profile or to use as a junction plate for overhead hangers

To be used for: U 5050/..., U 6040/... and C-profiles  
please order mounting hardware based on application



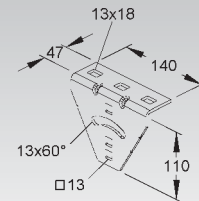
## Bracket

adjustable from -30° to +30°

	model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F	<b>AWG 110/140</b>	2 FLM 10x25 F	891801	48
E3	<b>AWG 110/140 E3</b>	2 FLM 10x25 E3	892167	48

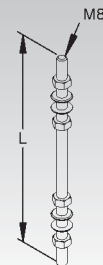
for mounting on inclined ceilings

To be used for: U-Profile and Rails  
center distance of long holes 13x18 mm: 100 mm



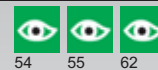
## Threaded Rod, size M 8

	model no.	thread	length (A) mm/Inch	strength category	acc. incl.	EAN code	Weight per 100 pc. kg
V	<b>M 8/100</b>	M8	100/3,9	4.6	4 SMU 8	201907	5
V	<b>M 8/200</b>	M8	200/7,8	4.6	4 SMU 8	202003	8
V	<b>M 8/500</b>	M8	500/19,5	4.6	4 SMU 8	202102	18
V	<b>M 8/1000</b>	M8	1000/39	4.6	4 SMU 8	203505	29,6

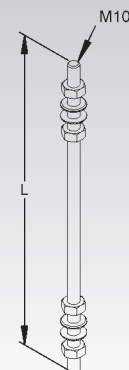


## Threaded Rod, size M 10

	model no.	thread	length (A) mm/Inch	strength category	acc. incl.	EAN code	Weight per 100 pc. kg
V	<b>M 10/90</b>	M10	90/3,5	4.6	4 SMU 10	202201	5
V	<b>M 10/130</b>	M10	130/5,1	4.6	4 SMU 10	202300	6
V	<b>M 10/200</b>	M10	200/7,8	4.6	4 SMU 10	202409	15
V	<b>M 10/300</b>	M10	300/11,7	4.6	4 SMU 10	202508	20
V	<b>M 10/400</b>	M10	400/15,6	4.6	4 SMU 10	202607	19,2
V	<b>M 10/500</b>	M10	500/19,5	4.6	4 SMU 10	202706	24,2
V	<b>M 10/600</b>	M10	600/23,4	4.6	4 SMU 10	202805	29,2
V	<b>M 10/700</b>	M10	700/27,3	4.6	4 SMU 10	202904	33,8
V	<b>M 10/800</b>	M10	800/31,2	4.6	4 SMU 10	203000	38,4
V	<b>M 10/900</b>	M10	900/35,1	4.6	4 SMU 10	203109	43,2
V	<b>M 10/1000</b>	M10	1000/39	4.6	4 SMU 10	203208	47
V	<b>M 10/1500</b>	M10	1500/58,5	4.6	4 SMU 10	203307	72,2
E3	<b>M 10/1000 E3</b>	M10	1000/39	1.4301	4 SMU 10 E3	769902	65



54 55 62



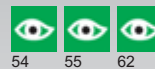
# SUPPORT SYSTEM

## Threaded Rod, size M 10

without nuts and washers

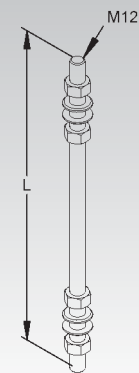
model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
V M 10/2000	M10	2000/78	4.6	203406	105

hexagonal nut and washers have to be ordered separately



## Threaded Rod, size M 12

model no.	thread	length (A) mm/Inch	strength category	acc. incl.	EAN code	Weight per 100 pc. kg
V M 12/200	M12	200/7,8	4.6	4 SMU 12	203512	24
V M 12/300	M12	300/11,7	4.6	4 SMU 12	203529	31
V M 12/400	M12	400/15,6	4.6	4 SMU 12	203536	38
V M 12/500	M12	500/19,5	4.6	4 SMU 12	203543	46
V M 12/600	M12	600/23,4	4.6	4 SMU 12	203550	53
V M 12/800	M12	800/31,2	4.6	4 SMU 12	203574	67
V M 12/1000	M12	1000/39	4.6	4 SMU 12	345809	75
E3 M 12/1000 E3	M12	1000/39	1.4301	4 SMU 12 E3	841608	75



## Hexagonal Nut

washer (acc. to DIN 125 standard) included

model no.	thread	EAN code	Weight per 100 pc. kg
V SMU 8	M8	203604	0,1
V SMU 10	M10	203703	0,2
V SMU 12	M12	344406	2
E3 SMU 10 E3	M10	344260	2
E3 SMU 12 E3	M12	344284	3

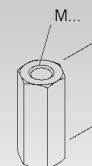


## Bushing

hexagonal

model no.	thread	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
V VBSM 8	M8	40/1,6	345588	1,8
V VBSM 10	M10	40/1,6	345601	5
V VBSM 12	M12	40/1,6	345700	7

for connecting threaded rods



## Serrated Washer

DIN 6797, shape A

model no.	inner diameter mm/Inch	EAN code	Weight per 100 pc. kg
V ZSM 4	4,3	208302	0,9
V ZSM 5	5,3	208401	1,8
V ZSM 6	6,4	208500	2,3
V ZSM 8	8,4	208609	4
V ZSM 10	10,5	208708	8
V ZSM 12	12,5	208807	11



## Hexagonal Bolt

nut and washer included

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
V SKM 8 X 16	M8	16/0,6	8.8	207107	1,6
V SKM 10 X 25	M10	25/1	8.8	207305	3,6
V SKM 10 X 40	M10	40/1,6	8.8	207404	4,5
V SKM 10 X 50	M10	50/2	8.8	207503	5
V SKM 10 X 70	M10	70/2,7	8.8	207541	5,5
V SKM 12 X 70	M12	70/2,7	8.8	207565	6
F SKM 10 X 80 F	M10	80/3,1	8.8	886203	6
F SKM 10 X 90 F	M10	90/3,5	8.8	893485	6,5
E3 SKM 8 X 40 E3	M8	40/1,6	1.4301	343959	2
E3 SKM 10 X 40 E3	M10	40/1,6	1.4301	344048	4,5
E3 SKM 10 X 70 E3	M10	70/2,7	1.4301	344086	5,5
E5 SKM 8 X 16 E5	M8	16/0,6	1.4571	729203	1,6
E5 SKM 10 X 25 E5	M10	25/1	1.4571	729302	4

Property class is embossed to the head of the bolt.

Check tightening torque for all kinds of crimp connections with a torque wrench:

SKM 8..., tightening torque of 25 Nm  
 SKM 10..., tightening torque of 50 Nm  
 SKM 12..., tightening torque of 85 Nm  
 SKM 16..., tightening torque of 210 Nm



## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
V FLM 6 X 12	M6	12/0,5	-	206209	0,8

electroplated finish, with serrated flange nut



## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
F FLM 6 X 12 F	M6	12/0,5	-	206407	0,8
F FLM 6 X 16 F	M6	16/0,6	-	206506	0,9
F FLM 8 X 13 F	M8	13/0,5	8.8	206605	2
F FLM 8 X 16 F	M8	16/0,6	8.8	206704	2,2
F FLM 8 X 25 F	M8	25/1	8.8	206803	2,8
F FLM 10 X 25 F	M10	25/1	8.8	206902	4
F FLM 12 X 30 F	M12	30/1,2	8.8	207008	8

HDG finish, flange nut included



## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
E3 FLM 6 X 12 E3	M6	12/0,5	1.4301	343805	0,8
E3 FLM 8 X 16 E3	M8	16/0,6	1.4301	343843	1,9
E3 FLM 10 X 25 E3	M10	25/1	1.4301	343881	4
E5 FLM 6 X 12 E5	M6	12/0,5	1.4571	729104	0,8

stainless steel finish, washer and hexagonal nut included



## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
★ V FLDM 6X45	M6	45/1,8	207060	1,56

for attaching cable trays on perforated C-rail

electroplated finish, washer and flange nut included





# SUPPORT SYSTEM

## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E3</b> FLDM 6X45 E3	M6	45/1,8	343829	1,56

for attaching cable trays on perforated C-rail

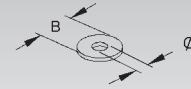
stainless steel finish, washer and hexagonal nut included



## Large Diameter Washer

model no.	Diameter of mounting hole mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>V</b> UGM 6	6,4	18/0,7	208906	0,3
<b>V</b> UGM 8	8,4	25/1	209002	0,7
<b>V</b> UGM 10	10,5	30/1,2	209101	1,2
<b>E3</b> UGM 6 E3	6,4	18/0,7	927258	0,3

for attaching cable ladders to brackets or cable trays on perforated C-rail



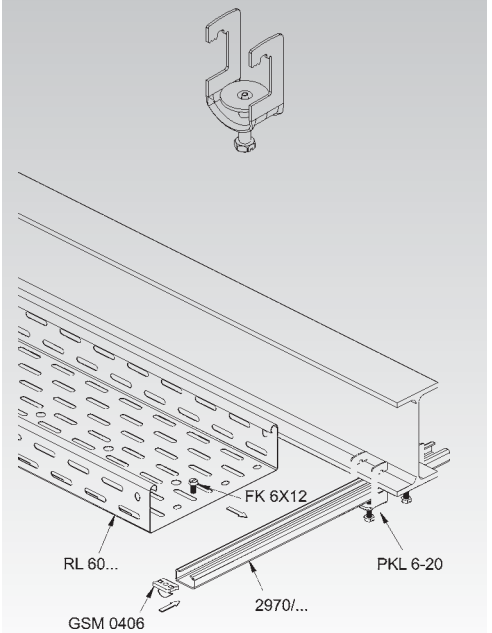
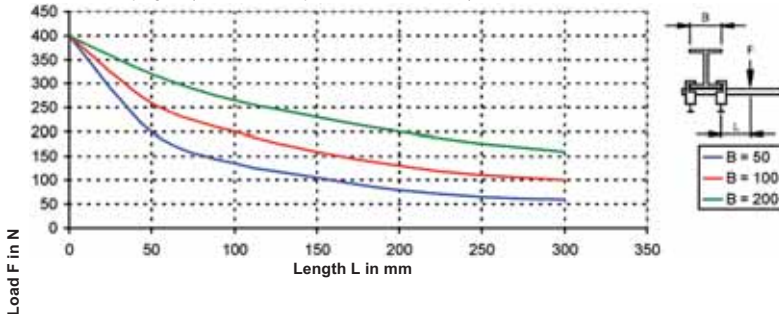
## Beam Clamp

model no.	EAN code	Weight per 100 pc. kg
<b>S</b> PKL 6-20	196548	5

for clamping 2970 rails to steel beams

To be used for: carrier section flange width 6-20 mm

Load Chart: Clamping Kit (2x Profile Clamp PKL + 2970 C-Profile)



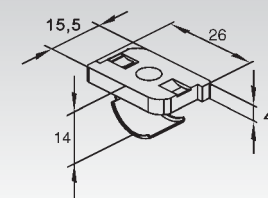
## Sloped Sliding Nut

with clamping spring (phosphated)

model no.	thread	EAN code	Weight per 100 pc. kg
<b>G</b> GSF 0406	M 6	119608	1,04

insertable at any position of the rail

To be used for: 2970 and 2971 rail



## Slotted Pan Head Bolt

model no.	thread	EAN code	Weight per 100 pc. kg
<b>V</b> FK 6 X 12	M6	207053	1,89

for mounting of ventilated cable tray on 2970 type C-rail using sloped sliding nuts GSF 0406

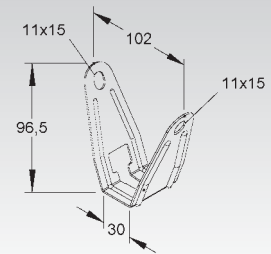
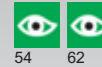


### Hanger for Ceiling Suspension

model no.	for threaded rod	EAN code	Weight per 100 pc. kg
<b>S</b> DBT 40	M 10	197200	9
<b>F</b> DBT 40 F	M 10	197255	9
<b>E3</b> DBT 40 E3	M 10	769841	9

for mounting on corrugated sheet metal ceilings

To be used for: Threaded Rod Suspension, size M 10



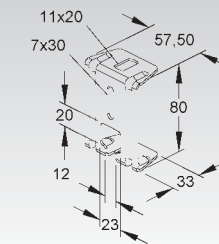
### Hanger for Ceiling Suspension

for bolting

model no.	for threaded rod	EAN code	Weight per 100 pc. kg
<b>S</b> DB 10	M 10	200504	12
<b>F</b> DB 10 F	M 10	200559	12
<b>E3</b> DB 10 E3	M 10	769803	20

for mounting on horizontal ceilings

To be used for: Threaded Rod Suspension, size M 10



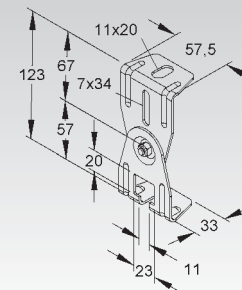
### Hanger for Ceiling Suspension

with hinge

model no.	for threaded rod	EAN code	Weight per 100 pc. kg
<b>S</b> DBG 10	M 10	200603	16

for mounting on inclined ceilings

To be used for: Threaded Rod Suspension, size M 10



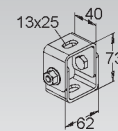
### Hanger for Ceiling Suspension

with hinge

model no.	for threaded rod	EAN code	Weight per 100 pc. kg
<b>F</b> DBG 12	M 12	345502	43,3
<b>E3</b> DBG 12 E3	M 12	769827	45

for mounting on inclined ceilings

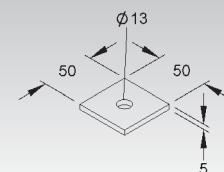
To be used for: Threaded Rod Suspension, size M 12



### Anchor Plate

model no.	height (H)	width B	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch		
<b>F</b> VP 50.50	50/2	50/2	209200	10

for fixing the bracket on gas concrete and/or construction materials with poor solidity.



## Snap-in Bracket

for clip on ...

model no.	width B mm/Inch	thick-ness (t) mm/Inch	admissible load F kN	EAN code	Weight per 100 pc. kg
V REBA 50	50/2	4	0,15	197279	2
V REBA 60	60/2,3	4	0,15	197286	3
V REBA 100	100/3,9	4	0,15	197293	5
E3 REBA 50 E3	50/2	4	0,15	911950	2
E3 REBA 60 E3	60/2,3	4	0,15	911967	3
E3 REBA 100 E3	100/3,9	4	0,15	911974	5

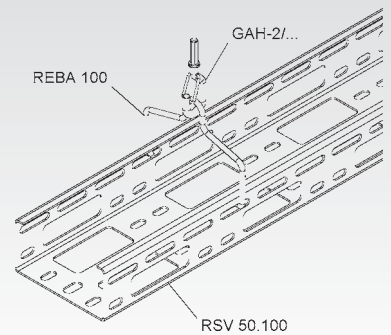
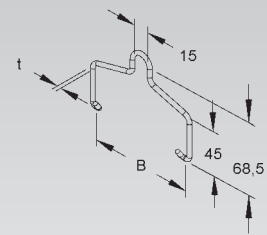
To be used for: cable trays RL 35..., RL 50..., RL 60..., RLC 60..., distribution cable trays RSV 50...

Centric hanging by means of gripple set hooks, ropes or coil chains

The load rating shown is valid only for proper anchorage to the building structure.



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## Hanging Frame

for clip on ...

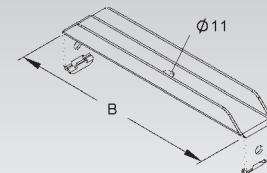
model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RCB 50	50/2	197309	6
S RCB 70	70/2,7	197354	7
S RCB 75	75/2,9	197408	9
S RCB 100	100/3,9	197507	12
S RCB 120	120/4,7	197552	14
S RCB 150	150/5,8	197606	17
S RCB 200	200/7,8	197705	22
S RCB 250	250/9,8	197804	27
S RCB 300	300/11,7	197903	32

To be used for: cable trays RL..., RLV..., RS...,RLC... as well as the distribution tray RSV 50...

Centric hanging of the cable tray by means of threaded rod and eye bolt, size M10, plus coil chain or rope.



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## Snap-in Bracket

for swivel in

model no.	width B mm/Inch	thick-ness (t) mm/Inch	for threaded rod	admissible load F kN	EAN code	Weight per 100 pc. kg
V REBI 60.100	100/3,9	5	M 10	0,2	911905	7
V REBI 60.200	200/7,8	6	M 10	0,2	911929	11
V REBI 60.300	300/11,7	7	M 10	0,2	911943	18

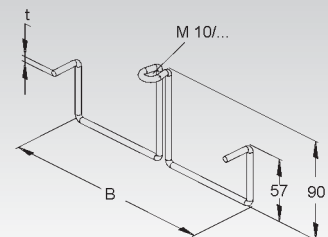
To be used for: cable trays RL 60..., RS 60..., RLV 60... and RLC 60...

Centric hanging of the cable tray/distribution cable tray by means of threaded rod and eye bolt, size M10, plus coil chain or rope.

The load rating shown is valid only for proper anchorage to the building structure.



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## Hanging Frame

for inserting

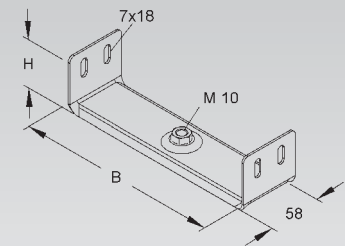
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RTU 35.050	29/1,1	47/1,8	198009	8
S RTU 35.100	29/1,1	97/3,8	198306	11
S RTU 35.150	29/1,1	147/5,7	198405	20
S RTU 35.200	29/1,1	197/7,7	198504	24
S RTU 35.250	29/1,1	247/9,6	198603	34
S RTU 35.300	29/1,1	297/11,6	198702	43
S RTU 50.050	44/1,7	47/1,8	198108	10
S RTU 50.075	44/1,7	72/2,8	198207	12
S RTU 60.070	54/2,1	67/2,6	198757	17
S RTU 60.100	54/2,1	97/3,8	198801	15
S RTU 60.120	54/2,1	117/4,6	198856	22
S RTU 60.150	54/2,1	147/5,7	198900	24
S RTU 60.200	54/2,1	197/7,7	199006	28
S RTU 60.250	54/2,1	247/9,6	199105	43
S RTU 60.300	54/2,1	297/11,6	199204	50
F RTU 60.100 F	54/2,1	97/3,8	535125	20
F RTU 60.200 F	54/2,1	197/7,7	535149	28
F RTU 60.300 F	54/2,1	297/11,6	535163	50

To be used for: mini cable trays RL 35.050 - RL 50.075, cable trays RL 35..., RL 60..., RLV 60..., RLC 60... and RS 60...

Centric hanging of the cable tray/distribution cable tray by means of threaded rod and eye bolt, size M10, plus coil chain or rope.



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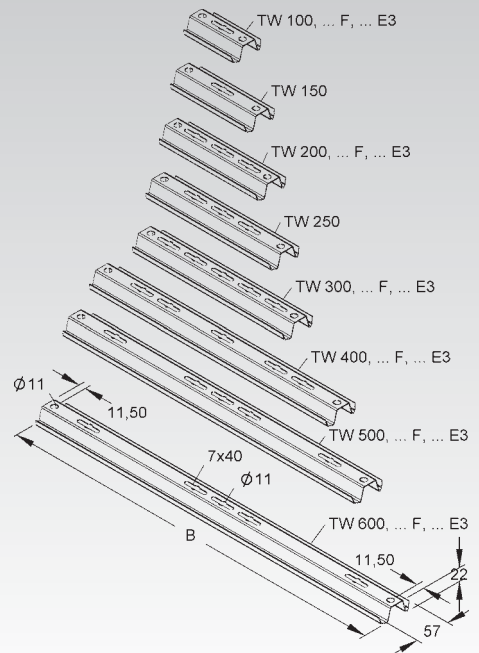
## Support Bracket

model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S TW 100	98/3,8	2 FLM 6x12	204205	10,5
S TW 150	148/5,8	2 FLM 6x12	204304	14,5
S TW 200	190/7,4	2 FLM 6x12	204403	18,5
S TW 250	240/9,4	2 FLM 6x12	204502	23
S TW 300	290/11,3	2 FLM 6x12	204601	27,5
S TW 400	450/17,6	2 FLM 6x12	204700	44,5
S TW 500	550/21,4	2 FLM 6x12	204809	39
S TW 600	650/25,4	2 FLM 6x12	204908	62
F TW 100 F	98/3,8	2 FLM 6x12 F	204915	4
F TW 200 F	190/7,4	2 FLM 6x12 F	204939	8
F TW 300 F	290/11,3	2 FLM 6x12 F	204953	19
F TW 400 F	450/17,6	2 FLM 6x12 F	204960	32
F TW 500 F	550/21,4	2 FLM 6x12 F	204977	39
F TW 600 F	650/25,4	2 FLM 6x12 F	204984	44
E3 TW 100 E3	98/3,8	2 FLM 6x12 E3	769209	4
E3 TW 200 E3	190/7,4	2 FLM 6x12 E3	769308	8
E3 TW 300 E3	290/11,3	2 FLM 6x12 E3	769407	19
E3 TW 400 E3	450/17,6	2 FLM 6x12 E3	769506	32
E3 TW 500 E3	550/21,4	2 FLM 6x12 E3	769605	39
E3 TW 600 E3	650/25,4	2 FLM 6x12 E3	769704	44

To be used for: cable trays RL..., RLV..., RS..., distribution tray RSV... and wire mesh trays GR..., GRS..., GRC...



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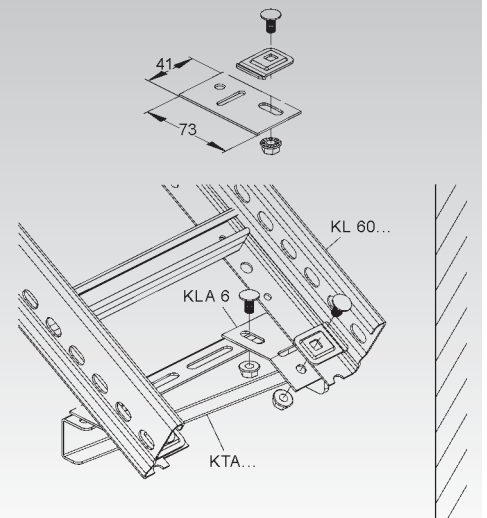


# SUPPORT SYSTEM

## Mounting Device

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> KLA 6	1 FLM 6x12	287901	5,8

for attaching rising or falling straight sections of cable trays or ladders to support brackets. Hold down clamp has to be bent according to the gradient of the tray.



## Zinc Spray (400 ml)

model no.	EAN code	Weight per 100 pc. kg
ZKS	206056	50

for subsequent repair of zinc coating, use in dry indoor environment only

Zincspray according to DIN EN ISO 1461



## Zinc Powder Paint (1.000 ml)

model no.	EAN code	Weight per 100 pc. kg
ZKF 1	205905	170

DIN EN ISO 1461 compliant

use ZKV 1 thinner only



## Thinner (1.000 ml)

model no.	EAN code	Weight per 100 pc. kg
ZKV 1	206001	110

To be used for: zinc powder paint ZKF 1



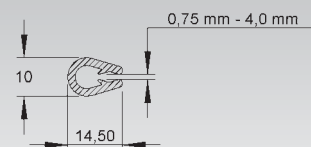
## Edge Protection Strip

with steel or stainless steel insert

model no.	color	EAN code	Weight per 100 m kg
<b>K10</b> RKBA 10	black	206100	14,5
<b>K10</b> RKBA 10 E5	black	729050	145

for protecting cut edges with a material thickness from 0,75 mm up to 4 mm

To prevent accidents and injuries you must install edge protection strip!  
temperature range -25°C to +70°C



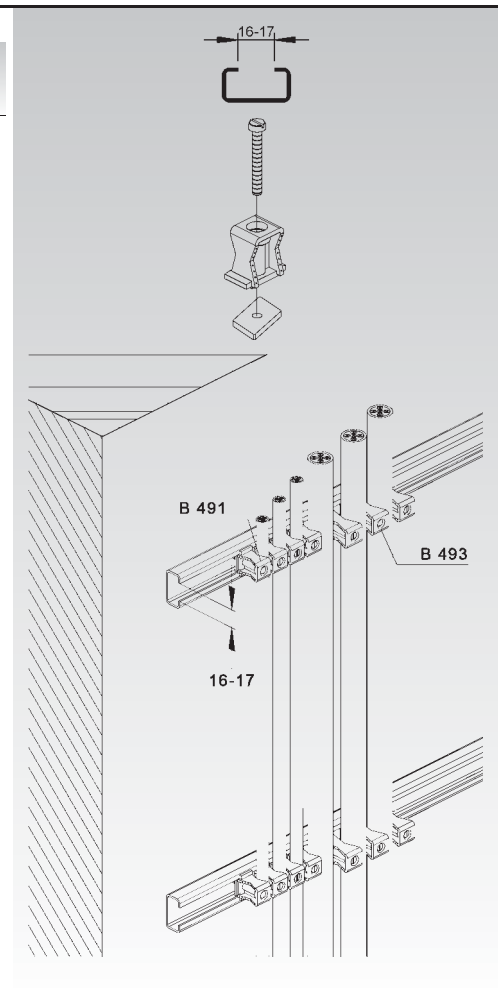


## Ro-Clip

	model no.	for Ø mm/Inch	color	EAN code	Weight per 100 pc. kg
K02	B 491	7 - 25	grey	005307	1,14
K02	B 493	13 - 38	grey	005406	1,38

**Bolts and sliding nuts are pregalv.**

To be used for: C-rail (16-17 mm slot width)



# SUPPORT SYSTEM

## Yoke-Clamp

with pressure cradle

model no.	for cable Ø	bolt head	thread	EAN code	Weight per 100 pc. kg
	mm/Inch				
F B 12	6 - 12	slotted screw	M 6	047406	2,7
F B 14	10 - 14	slotted screw	M 6	047505	2,8
F B 16	12 - 16	slotted screw	M 6	047604	3,2
F B 18	14 - 18	slotted screw	M 6	047703	
F B 22	18 - 22	slotted screw	M 6	047802	3,6
F B 26	22 - 26	slotted screw	M 6	047901	3,7
F B 30	26 - 30	slotted screw	M 6	048007	4,5
F B 34	30 - 34	slotted screw	M 6	048106	5,6
F B 38	34 - 38	slotted screw	M 6	048205	8
F B 42	38 - 42	slotted screw	M 6	048304	8,5
F B 46	42 - 46	slotted screw	M 8	048403	9,65
F B 50	46 - 50	slotted screw	M 8	048502	10,4
F B 54	50 - 54	slotted screw	M 8	048601	11
F B 58	54 - 58	slotted screw	M 8	048700	11,8
F B 64	58 - 64	slotted screw	M 8	048809	12,75
F B 70	64 - 70	slotted screw	M 8	048908	17
F B 76	70 - 76	slotted screw	M 8	049004	18,4
F B 82	76 - 82	slotted screw	M 8	049103	20,05
F B 90	82 - 90	slotted screw	M 8	049202	22,4
F B 100	90 - 100	slotted screw	M 8	049301	23,7
F B 110	100 - 110	slotted screw	M 8	049400	26,4
E3 B 14 E3	10 - 14	slotted screw	M 6	081905	2,2
E3 B 18 E3	14 - 18	slotted screw	M 6	082001	2,5
E3 B 22 E3	18 - 22	slotted screw	M 6	082100	2,8
E3 B 26 E3	22 - 26	slotted screw	M 6	082209	3,7
E3 B 30 E3	26 - 30	slotted screw	M 6	082308	4,5
E3 B 34 E3	30 - 34	slotted screw	M 6	082407	5,6
E3 B 38 E3	34 - 38	slotted screw	M 6	082506	6,4
E3 B 42 E3	38 - 42	slotted screw	M 6	082605	8,5
E3 B 46 E3	42 - 46	slotted screw	M 8	082704	9,65
E3 B 50 E3	46 - 50	slotted screw	M 8	082803	10,4
E3 B 54 E3	50 - 54	slotted screw	M 8	082902	11
E3 B 58 E3	54 - 58	slotted screw	M 8	083008	11,8
E3 B 64 E3	58 - 64	slotted screw	M 8	083107	12,75
E3 B 70 E3	64 - 70	slotted screw	M 8	083206	17
E3 B 76 E3	70 - 76	slotted screw	M 8	083305	18,4
AL B 14 AL	10 - 14	DIN 84	M 6	069002	1,2
AL B 18 AL	14 - 18	DIN 84	M 6	069101	1,4
AL B 22 AL	18 - 22	DIN 84	M 8	069200	1,6
AL B 26 AL	22 - 26	DIN 84	M 8	069309	2,1
AL B 30 AL	26 - 30	DIN 84	M 8	069408	1,5
AL B 34 AL	30 - 34	DIN 84	M 8	069507	2,8
AL B 38 AL	34 - 38	DIN 84	M 8	069606	3
AL B 42 AL	38 - 42	DIN 84	M 8	069705	3,2
AL B 46 AL	42 - 46	DIN 84	M 8	069804	3,6
AL B 50 AL	46 - 50	DIN 84	M 8	069903	3,8
AL B 54 AL	50 - 54	DIN 84	M 8	070008	4,2
AL B 58 AL	54 - 58	DIN 84	M 8	070107	3,8
AL B 64 AL	58 - 64	DIN 84	M 8	070206	4,3

for one cable

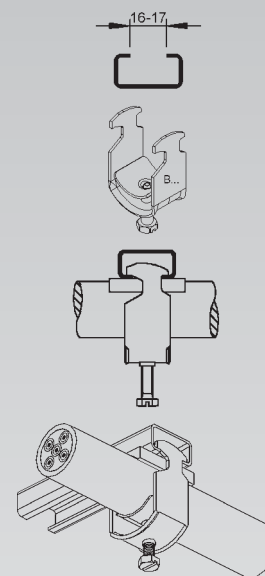
If ordered in HDG (F) steel pressure cradle is pregalv.

E3 type: Yoke clamp and pressure cradle are made from stainless steel.

AL type: Yoke clamp and pressure cradle are made from aluminum.

To be used for: C-rail, slot width 16-17 mm

counter pressure cradle (GWU/GWS) must be ordered separately



## Yoke-Clamp

with pressure cradle

model no.	for cable Ø	bolt head	thread	EAN code	Weight per 100 pc. kg
	mm/Inch				
F B 12/2	10 - 12	slotted screw	M 6	049509	2,75
F B 14/2	12 - 14	slotted screw	M 6	049608	3,9
F B 16/2	14 - 16	slotted screw	M 6	049707	4,4
F B 18/2	16 - 18	slotted screw	M 6	049806	4,7
F B 22/2	18 - 22	slotted screw	M 6	049905	5,3
F B 26/2	22 - 26	slotted screw	M 6	050000	5,7
F B 30/2	26 - 30	slotted screw	M 6	050109	6,7
F B 34/2	30 - 34	slotted screw	M 6	050208	8,1
F B 38/2	34 - 38	slotted screw	M 6	050307	11,75
F B 42/2	38 - 42	slotted screw	M 6	050406	12,75
F B 46/2	42 - 46	slotted screw	M 8	050505	14,05
F B 50/2	46 - 50	slotted screw	M 8	050604	15
E3 B 14/2 E3	12 - 14	slotted screw	M 6	083404	3,1
E3 B 18/2 E3	16 - 18	slotted screw	M 6	083503	3,67
E3 B 22/2 E3	20 - 22	slotted screw	M 6	083602	4,41
E3 B 26/2 E3	24 - 26	slotted screw	M 6	083701	5,69
E3 B 30/2 E3	28 - 30	slotted screw	M 6	083800	6,51
E3 B 34/2 E3	32 - 34	slotted screw	M 6	083909	8,09
E3 B 38/2 E3	36 - 38	slotted screw	M 6	084005	11,97
E3 B 42/2 E3	40 - 42	slotted screw	M 6	084104	13,16
E3 B 46/2 E3	44 - 46	slotted screw	M 8	084203	13,8
E3 B 50/2 E3	48 - 50	slotted screw	M 8	084302	14,85
AL B 14/2 AL	12 - 14	DIN 84	M 6	070305	1,65
AL B 16/2 AL	14 - 16	DIN 84	M 6	070404	2
AL B 18/2 AL	14 - 18	DIN 84	M 6	070503	2,3
AL B 22/2 AL	18 - 22	DIN 84	M 6	070602	2,9
AL B 26/2 AL	22 - 26	DIN 84	M 8	070701	3,05
AL B 30/2 AL	26 - 30	DIN 84	M 8	070800	3,9
AL B 34/2 AL	30 - 34	DIN 84	M 8	070909	4,2
AL B 38/2 AL	34 - 38	DIN 84	M 8	071005	4,7
AL B 42/2 AL	38 - 42	DIN 84	M 8	071104	5,1
AL B 46/2 AL	42 - 46	DIN 84	M 8	071203	5,6
AL B 50/2 AL	46 - 50	DIN 84	M 8	071302	5,6

for two cables

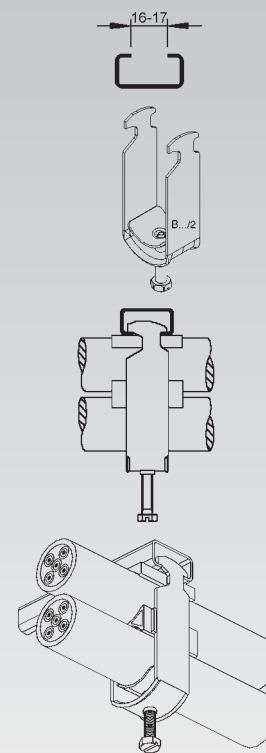
If ordered in HDG (F) steel pressure cradle is pregalv.

E3 type: Yoke clamp and pressure cradle are made from stainless steel.

AL type: Yoke clamp and pressure cradle are made from aluminum.

To be used for: C-rail, slot width 16-17 mm

Single (GWU/GWS) and double-sided (DW) bottom saddles must be ordered separately



## Yoke-Clamp

with pressure cradle

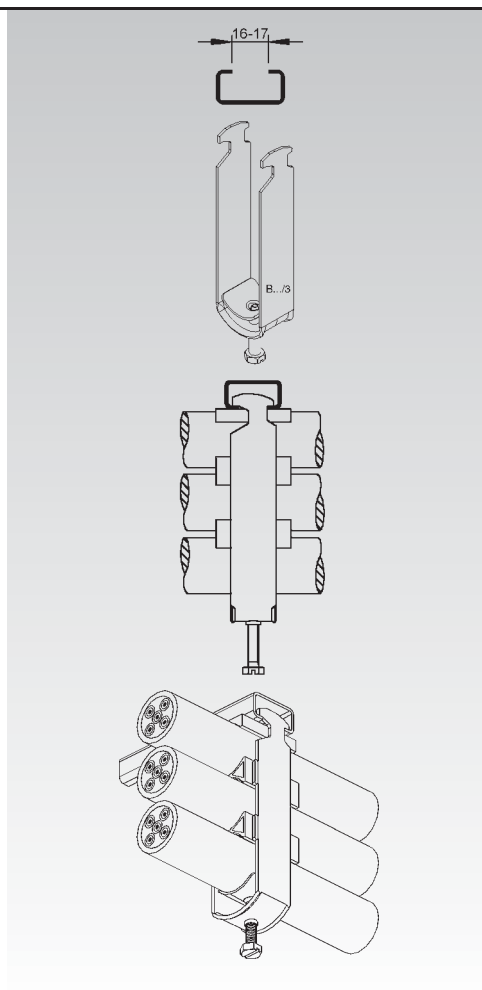
model no.	for cable Ø	bolt head	thread	EAN code	Weight per 100 pc. kg
	mm/Inch				
F B 12/3	9 - 12	slotted screw	M 6	050703	4,2
F B 14/3	12 - 14	slotted screw	M 6	050802	5
F B 16/3	14 - 16	slotted screw	M 6	050901	5,2
F B 18/3	16 - 18	slotted screw	M 6	051007	5,7
F B 20/3	18 - 20	slotted screw	M 6	051106	6,3
F B 22/3	20 - 22	slotted screw	M 6	051205	6,9
F B 24/3	22 - 24	slotted screw	M 6	051304	7,1
F B 26/3	24 - 26	slotted screw	M 6	051403	7,7
F B 28/3	26 - 28	slotted screw	M 6	051502	8,15
F B 30/3	28 - 30	slotted screw	M 6	051601	8,9

for three cables

If ordered in HDG (F) steel pressure cradle is pregalv.

To be used for: C-rail, slot width 16-17 mm

Single (GWU/GWS) and double-sided (DW) bottom saddles must be ordered separately



## Yoke-Clamp

with pressure cradle

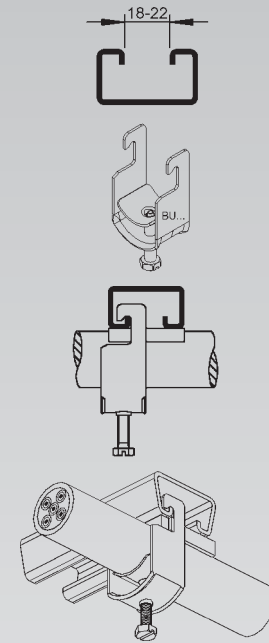
	model no.	for cable Ø mm/Inch	bolt head	thread	EAN code	Weight per 100 pc. kg
F	BU 12	6 - 12	slotted screw	M 6	064601	1,95
F	BU 14	10 - 14	slotted screw	M 6	064700	3,2
F	BU 16	12 - 16	slotted screw	M 6	064908	3,4
F	BU 18	14 - 18	slotted screw	M 6	065004	
F	BU 22	18 - 22	slotted screw	M 6	065103	4,1
F	BU 26	22 - 26	slotted screw	M 6	065202	4,4
F	BU 30	26 - 30	slotted screw	M 6	065301	4,5
F	BU 34	30 - 34	slotted screw	M 6	065400	5,6
F	BU 38	34 - 38	slotted screw	M 6	065509	8,2
F	BU 42	38 - 42	slotted screw	M 6	065608	8,5
F	BU 46	42 - 46	slotted screw	M 8	065707	9,65
F	BU 50	46 - 50	slotted screw	M 8	065806	10,4
F	BU 54	50 - 54	slotted screw	M 8	065905	11
F	BU 58	54 - 58	slotted screw	M 8	066001	11,8
F	BU 64	58 - 64	slotted screw	M 8	066100	12,75
F	BU 70	64 - 70	slotted screw	M 8	066209	17
F	BU 76	70 - 76	slotted screw	M 8	066308	18,4
F	BU 82	76 - 82	slotted screw	M 8	066407	20,05
F	BU 90	82 - 90	slotted screw	M 8	066506	22,4
F	BU 100	90 - 100	slotted screw	M 8	066605	23,7
F	BU 110	100 - 110	slotted screw	M 8	066704	
E3	BU 12 E3	6 - 12	slotted screw	M 6	757701	2,4
E3	BU 14 E3	10 - 14	slotted screw	M 6	757800	2,7
E3	BU 18 E3	14 - 18	slotted screw	M 6	757909	2,9
E3	BU 22 E3	18 - 22	slotted screw	M 6	758005	3,3
E3	BU 26 E3	22 - 26	slotted screw	M 6	758104	4,15
E3	BU 30 E3	26 - 30	slotted screw	M 6	758203	
E3	BU 34 E3	30 - 34	slotted screw	M 6	758302	5,55
E3	BU 38 E3	34 - 38	slotted screw	M 6	758401	6,1
E3	BU 42 E3	38 - 42	slotted screw	M 6	758500	6,75
E3	BU 46 E3	42 - 46	slotted screw	M 8	758609	9,4
E3	BU 50 E3	46 - 50	slotted screw	M 8	758708	9,9
E3	BU 54 E3	50 - 54	slotted screw	M 8	758807	11
E3	BU 58 E3	54 - 58	slotted screw	M 8	758906	12,1
E5	BU 12 E5	6 - 12	slotted screw	M 6	890507	2,4
E5	BU 14 E5	10 - 14	slotted screw	M 6	890101	2,7
E5	BU 18 E5	14 - 18	slotted screw	M 6	890149	2,9
E5	BU 22 E5	18 - 22	slotted screw	M 6	890163	3,3
E5	BU 26 E5	22 - 26	slotted screw	M 6	890187	4,15
E5	BU 30 E5	26 - 30	slotted screw	M 6	890200	4,55
AL	BU 14 AL	10 - 14	DIN 84	M 6	075409	1,4
AL	BU 18 AL	14 - 18	DIN 84	M 6	075508	1,6
AL	BU 22 AL	18 - 22	DIN 84	M 6	075607	1,7
AL	BU 26 AL	22 - 26	DIN 84	M 6	075706	2,1
AL	BU 30 AL	26 - 30	DIN 84	M 8	075805	1,6
AL	BU 34 AL	30 - 34	DIN 84	M 8	075904	2,5
AL	BU 38 AL	34 - 38	DIN 84	M 8	076000	2,7
AL	BU 42 AL	38 - 42	DIN 84	M 8	076109	2,9
AL	BU 46 AL	42 - 46	DIN 84	M 8	076208	3,15
AL	BU 50 AL	46 - 50	DIN 84	M 8	076307	3,35
AL	BU 54 AL	50 - 54	DIN 84	M 8	076406	3,65
AL	BU 58 AL	54 - 58	DIN 84	M 8	076505	3,9
AL	BU 64 AL	58 - 64	DIN 84	M 8	076604	4,3

for one cable

If ordered in HDG (F) steel pressure cradle is pregalv.  
**E3 type:** Yoke clamp and pressure cradle are made from stainless steel.  
**E5 type:** Yoke clamp and pressure cradle are made from stainless steel.  
**AL type:** Yoke clamp and pressure cradle are made from aluminum.

To be used for: C-rail (18-22 mm slot width)

counter pressure cradle (GWU/GWS) must be ordered separately





# SUPPORT SYSTEM

## Yoke-Clamp

with pressure cradle

	model no.	for cable Ø	bolt head	thread	EAN code	Weight per 100 pc. kg
		mm/Inch				
F	BU 12/2	10 - 12	slotted screw	M 6	066803	3,25
F	BU 14/2	12 - 14	slotted screw	M 6	066902	4,3
F	BU 16/2	14 - 16	slotted screw	M 6	067008	4,6
F	BU 18/2	16 - 18	slotted screw	M 6	067107	4
F	BU 22/2	18 - 22	slotted screw	M 6	067206	5,6
F	BU 26/2	22 - 26	slotted screw	M 6	067305	6,1
F	BU 30/2	26 - 30	slotted screw	M 6	067404	6,75
F	BU 34/2	30 - 34	slotted screw	M 6	067503	8,15
F	BU 38/2	34 - 38	slotted screw	M 6	067602	12,05
F	BU 42/2	38 - 42	slotted screw	M 6	067701	12,9
F	BU 46/2	42 - 46	slotted screw	M 8	067800	13,95
F	BU 50/2	46 - 50	slotted screw	M 8	067909	14,9
E3	BU 12/2 E3	6 - 12	slotted screw	M 6	759002	3,15
E3	BU 14/2 E3	12 - 14	slotted screw	M 6	759101	3,5
E3	BU 16/2 E3	14 - 16	slotted screw	M 6	759156	3,75
E3	BU 18/2 E3	16 - 18	slotted screw	M 6	759200	3,9
E3	BU 22/2 E3	20 - 22	slotted screw	M 6	759309	4,55
E3	BU 26/2 E3	24 - 26	slotted screw	M 6	759408	5,9
E3	BU 30/2 E3	28 - 30	slotted screw	M 6	759507	6,6
E3	BU 34/2 E3	32 - 34	slotted screw	M 6	759606	7,95
E3	BU 38/2 E3	36 - 38	slotted screw	M 6	759705	9,1
E3	BU 42/2 E3	40 - 42	slotted screw	M 6	759804	12,55
E3	BU 46/2 E3	44 - 46	slotted screw	M 8	759903	13,65
E3	BU 50/2 E3	48 - 50	slotted screw	M 8	760008	14,2

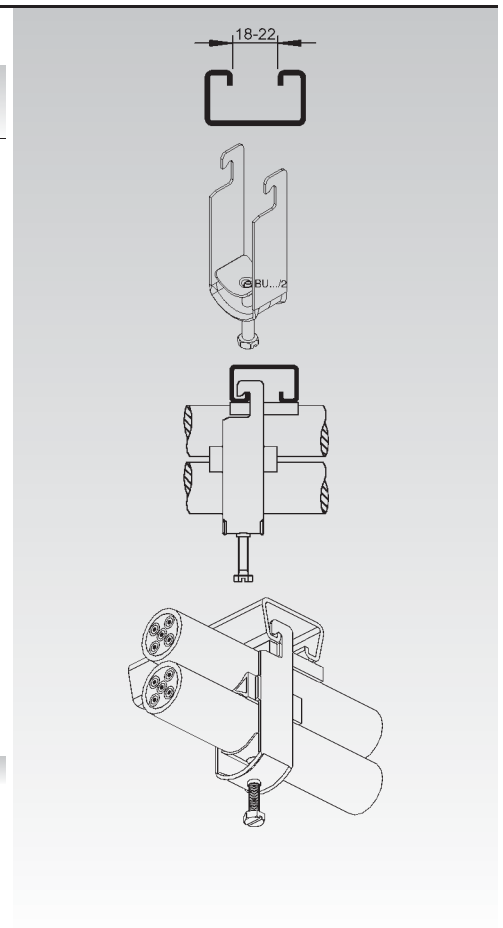
for two cables

If ordered in HDG (F) steel pressure cradle is pregalv.

E3 type: Yoke clamp and pressure cradle are made from stainless steel.

To be used for: C-rail (18-22 mm slot width)

Single (GWU/GWS) and double-sided (DW) bottom saddles must be ordered separately



## Yoke-Clamp

with pressure cradle

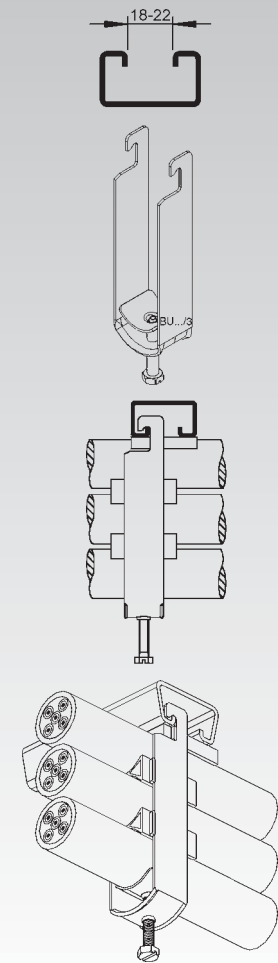
	model no.	for cable Ø	bolt head	thread	EAN code	Weight per 100 pc. kg
		mm/Inch				
F	BU 12/3	10 - 12	slotted screw	M 6	068005	4,8
F	BU 14/3	12 - 14	slotted screw	M 6	068104	5,3
F	BU 16/3	14 - 16	slotted screw	M 6	068203	
F	BU 18/3	16 - 18	slotted screw	M 6	068302	6,2
F	BU 20/3	18 - 20	slotted screw	M 6	068401	6,5
F	BU 22/3	20 - 22	slotted screw	M 6	068500	7,3
F	BU 24/3	22 - 24	slotted screw	M 6	068609	7,5
F	BU 26/3	24 - 26	slotted screw	M 6	068708	7,8
F	BU 28/3	26 - 28	slotted screw	M 6	068807	8,3
F	BU 30/3	28 - 30	slotted screw	M 6	068906	8,75

for three cables

If ordered in HDG (F) steel pressure cradle is pregalv.

To be used for: C-rail (18-22 mm slot width)

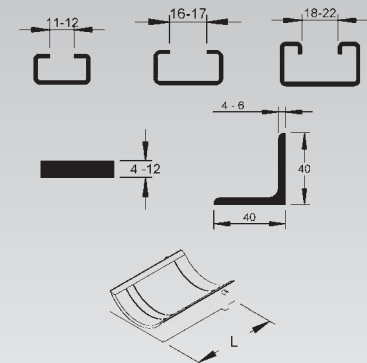
Single (GWU/GWS) and double-sided (DW) bottom saddles must be ordered separately



## Counter Pressure Cradle for all Yoke-Clamps

	model no.	for cable Ø	length (A)	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch		
K02	GWU 12	6 - 12	40/1,6	109609	0,09
K02	GWU 14	10 - 14	40/1,6	109708	0,1
K02	GWU 16	12 - 16	40/1,6	110001	0,13
K02	GWU 18	14 - 18	40/1,6	110100	0,14
K02	GWU 22	18 - 22	40/1,6	110209	0,25
K02	GWU 26	22 - 26	40/1,6	110308	0,3
K02	GWU 30	26 - 30	40/1,6	110407	0,45
K02	GWU 34	30 - 34	40/1,6	110506	0,5
K02	GWU 38	34 - 38	40/1,6	110605	0,56
K02	GWU 42	38 - 42	40/1,6	110704	0,62
K02	GWU 46	42 - 46	40/1,6	110803	0,68
K02	GWU 50	46 - 50	40/1,6	110902	0,75
K02	GWU 54	50 - 54	45/1,8	111008	1,3
K02	GWU 58	54 - 58	45/1,8	111107	1,45
K02	GWU 64	58 - 64	45/1,8	111206	1,6
K02	GWU 70	64 - 70	45/1,8	111305	1,83
K02	GWU 76	70 - 76	45/1,8	111404	2
K02	GWU 82	76 - 82	45/1,8	111503	2,2
K02	GWU 90	82 - 90	45/1,8	111602	2,4
K02	GWU 100	90 - 100	45/1,8	111701	2,8
K02	GWU 110	100 - 110	45/1,8	111800	3,2

for insertion into the Yoke-Clamp



# SUPPORT SYSTEM

## Bundle-Clamp

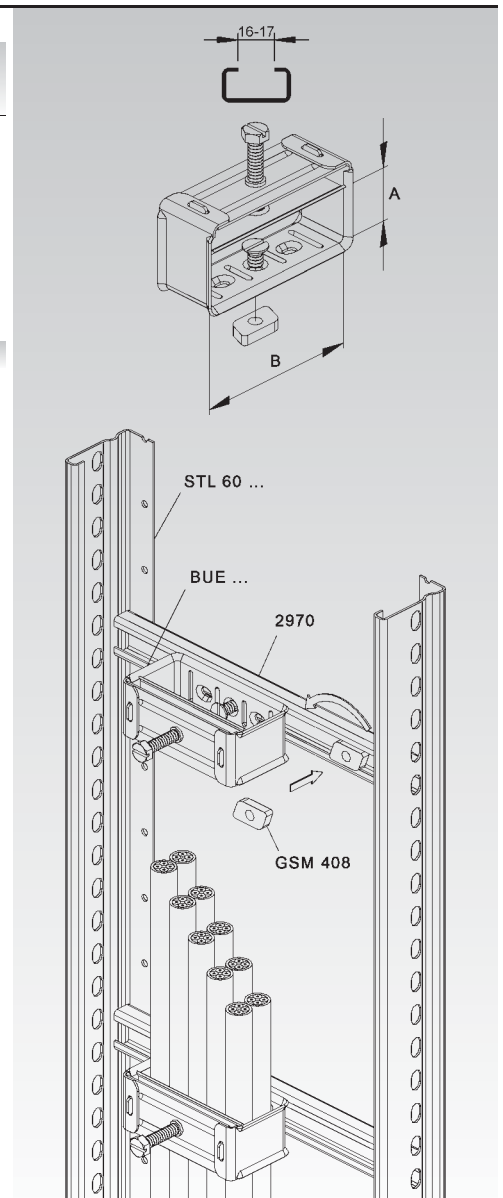
model no.	span width mm/Inch	inside dimension (B) mm/Inch	EAN code	Weight per 100 pc. kg
F BUE 50/40.25	20 - 40	50	099405	14,5
F BUE 100/40.25	25 - 40	100	099801	27,5
F BUE 100/40.40	10 - 40	100	099900	28
F BUE 100/80.25	65 - 80	100	100309	32
E3 BUE50/40.25 E3	20 - 40	50	101108	14,5
E3 BUE100/40.25E3	25 - 40	100	101207	27,5
E3 BUE100/40.40E3	10 - 40	100	101306	28
E3 BUE100/80.25E3	65 - 80	100	100002	32

for mounting to the profile

To be used for: Slot width 16 - 17 mm

Please order nut separately if used in conjunction with C-rail

One M8x12 bolt and a GSM 408 sliding nut are included.



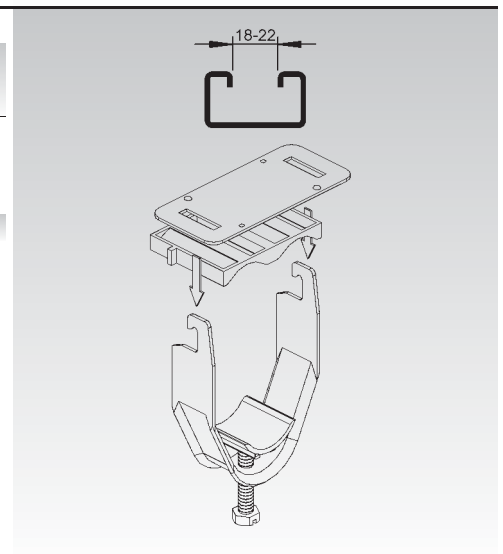
## Triangle-shaped Yoke-Clamp for three cables

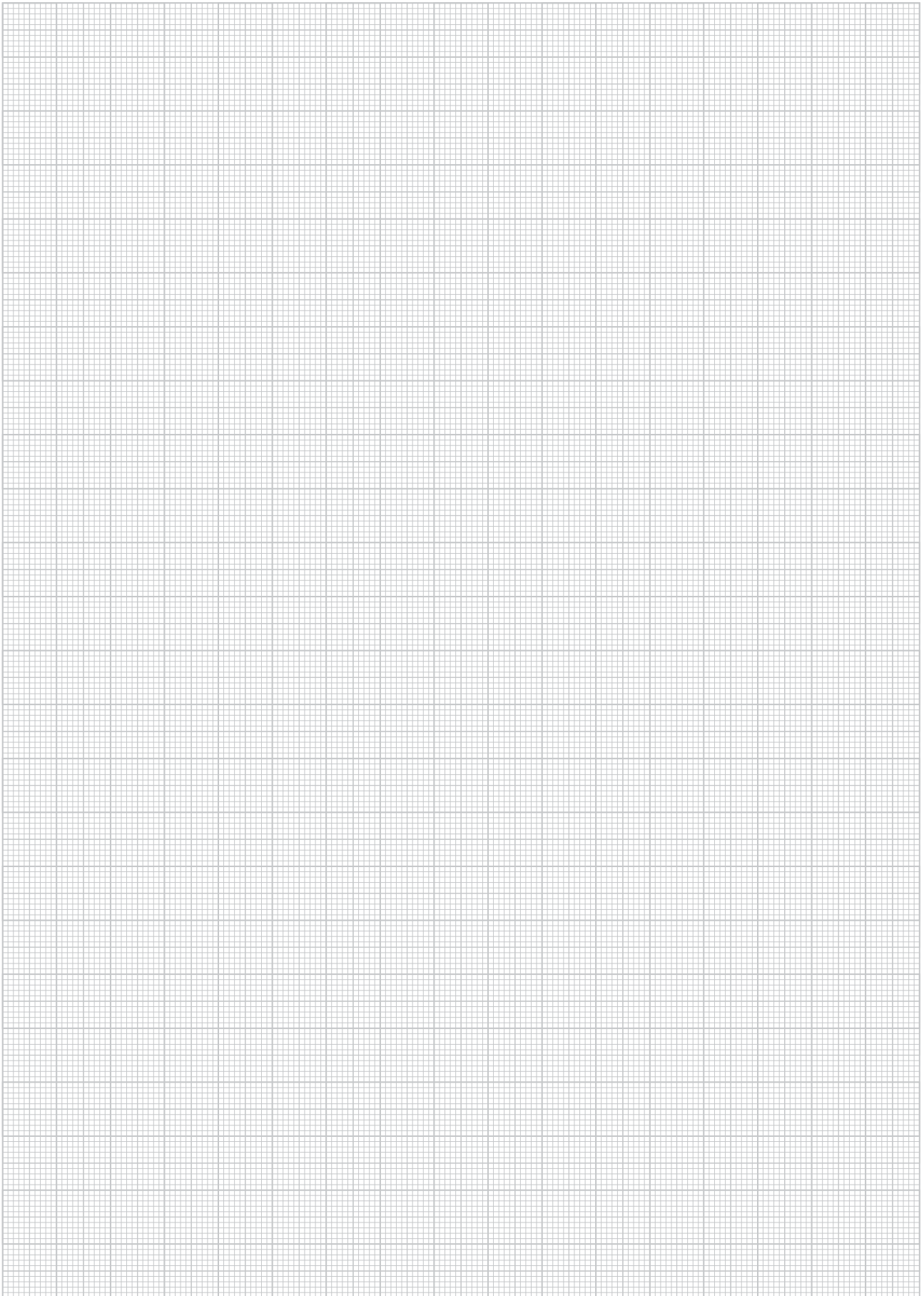
model no.	for cable Ø mm/Inch	EAN code	Weight per 100 pc. kg
F BUD 30	28 - 32	099108	1,1
F BUD 36	32 - 36	099207	10,95
F BUD 44	36 - 44	099306	11,95

for three cables

Bottom saddle and pressure cradles are made from halogen free polypropylene.

To be used for: Slot width 18 - 22 mm





## Wire Mesh Tray System

 Wire Mesh Tray

 Barrier Strips

 Covers

 Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).





Wire Mesh Tray is lightweight, flexible and easy to install. Due to its small surface area there is no accumulation of dirt or humidity. Cable ventilation is perfect.











There is no need for long term advanced planning and ordering. Just get straight sections of tray, a few accessories like the universal splice kit and a bolt cutter and you are ready to go. All kinds of fittings can be done onsite easily.

Wire Mesh Tray is available in many finishes and can be used in industrial and commercial environments, inside and outside.

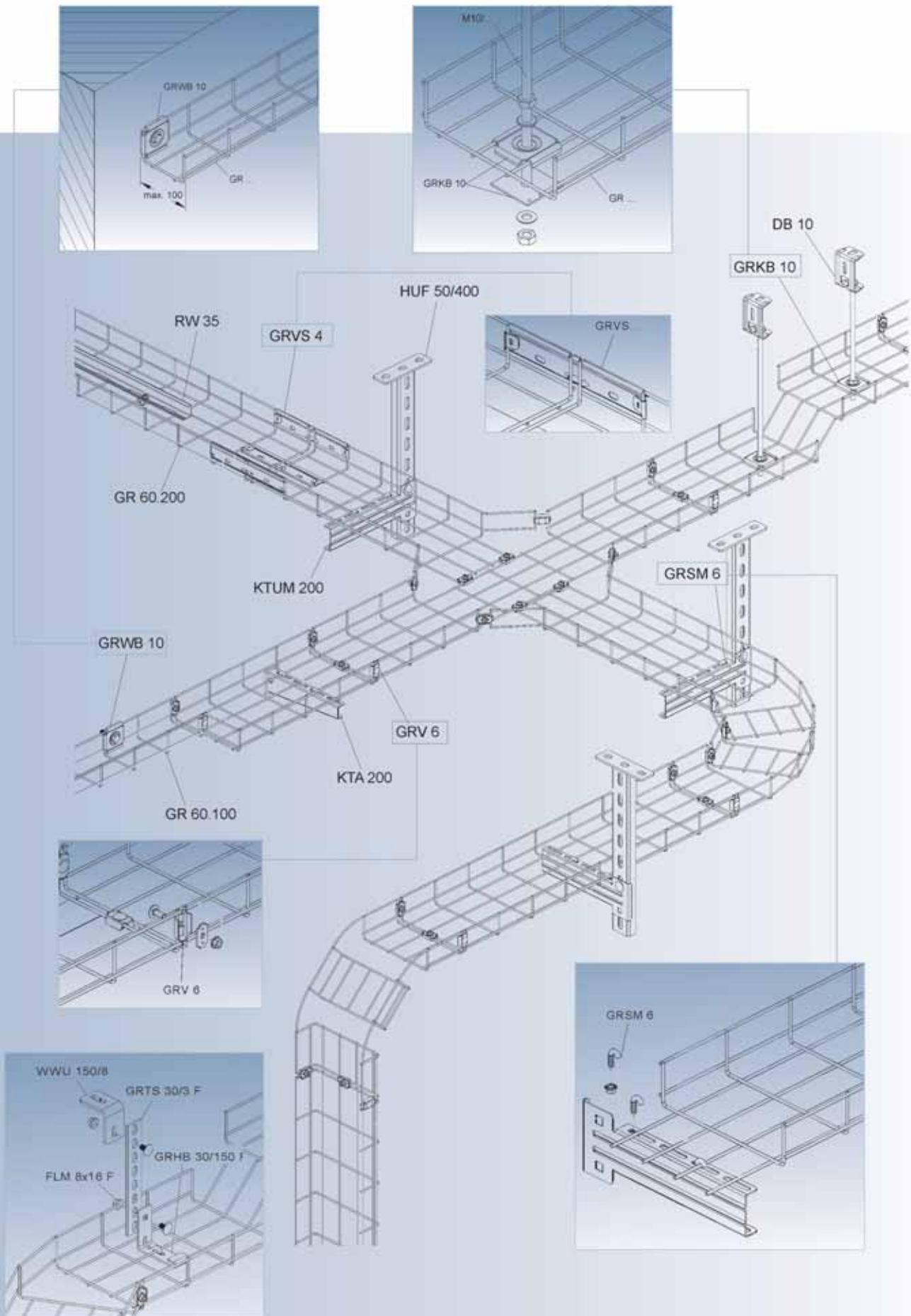


# WIRE MESH TRAY SYSTEM

## Available Side Rail Heights

SYSTEM	Wire Mesh Tray	GR	 Page 142	 Page 142	 Page 143	 —	 —
	Wire Mesh Tray, u-shaped	GRS	 —	 —	 Page 143	 Page 145	 Page 146
ACCESSOIRES	Barrier Strip	RW	Page 148*				
	Splice Plate for Barrier Strip	RTV	Page 148*				
	Boltless Splice Plate	GRVS	Page 148*				
	Universal Splice Plate	GRV 6	Page 148*				
	Mounting Clamp for Barrier Strip	GRVC 14	Page 149*				
	Wire Mesh Bracket	GRWGK 10	Page 149*				
	Wall Support and Center Hanger	GRWB 10	Page 150*				
	Mounting with Threaded Rod	GRKB 10	Page 150*				
	J-Hook Bolt	GRSM 6	Page 150*				
	Trapeze Hanger Clip	GRAB 10	Page 151*				
	Mounting Bracket	GRMB 50	Page 152*				
	Overhead Hanger	GRTS 30/3	Page 152*				
	Bracket for Wire Mesh Tray	GRHB 30/150	Page 153*				
	Slotted Mushroom Head Bolt	FLM 8 x 16	Page 153*				
	Standard Hanger	GRSH 30	Page 153*				
	Overhead Hanger	GRHS	Page 154*				
	Horizontal 90° Splice Plate	GRWV 20/250	Page 154*				
	Universal Mounting Bracket	GRB	Page 154*				
	Fixing Bracket	GRBB 6 V	Page 154*				
	Cover for Wire Mesh Tray	GRD	Page 155*				

\* Applicable with all edge heights





## Wire Mesh Cable Tray Specifications:

### A. CABLE TRAY DESIGN

1. Wire mesh cable tray shall utilize high mechanical strength steel wire that is welded into a 2" x 4" (50 mm x 100 mm) grid system. This grid is then formed into channels, which support and carry cables and permit ventilation of cables and maximum heat dissipation.

### B. MATERIAL

1. **Electro-plated zinc galvanized: ASTM B633.**  
To be applied to welded and formed wire mesh surfaces.
2. **Hot dipped galvanized steel.**  
All trays to be hot-dipped galvanized after fabrication in accordance with ASTM A123.
3. **Stainless steel.**  
All trays are to be constructed of AISA type 304 or type 316 stainless steel for maximum corrosion resistance
4. **Epoxy Powder Coated Paint:**  
available on special request

### C. Tray Size

1. **Height:** Trays shall have an overall height of 1.4", 2.3", 4.3", and 6.3" (35, 60, 110 and 160 mm)
2. **Width:** Widths shall be 2", 4", 6", 8", 12", 16", 18" 20" and 24" (60, 100, 150, 200, 300, 400, 450, 500 and 600 mm).
3. **Length:** Length shall be a nominal 10' or 3 meters.

### D. FITTINGS:

1. Shall be fabricated in the field by cutting wires with offset blade bolt cutters. Cuts shall be made in a manner reducing sharp edges and projections so they do not harm cables or installation personnel.
2. Dividers. Provide pre-galvanized steel, full depth divider strips to follow the contours of the mesh sections to allow different wiring systems to be run in the same tray.
3. Supports: Manufacturers specified supports and hardware are to be used for installation
4. Splices: Two options available, bolted type or non bolted to splice sections end to end, in pre-galvanized steel, hot dipped galvanized steel, and stainless steel.

### E. UL CLASSIFICATION

1. Straight sections shall be UL classified as an equipment grounding conductor

### F. DESIGN AND MANUFACTURE

1. GRX/GRSX series cable tray shall be manufactured by The Niedax Group.

**Load / Span Class Designation in accordance  
with NEMA VE 1 and CSA E22.2 No. 126.1**

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
GRX 35.100, ... F	38 / 0.06	-	12 / 8.1	2 / 6.6	-
GRX 35.150, ... F	48 / 0.07	-	12 / 8.1	2 / 6.6	-
GRX 35.200, ... F	58 / 0.09	-	12 / 8.1	2 / 6.6	-
GRX 35.300, ... F	101 / 0.16	-	16.5 / 11.1	2 / 6.6	-
GRX 35.400, ... F	126 / 0.19	-	16.5 / 11.1	2 / 6.6	-
GRX 40.040, ... F	38 / 0.06	-	42.7 / 28.8	1 / 3.3	-
GRX 60.100, ... F, ... E3	58 / 0.09	-	16.5 / 11.1	2 / 6.6	-
GRX 60.150, ... F, ... E3	67 / 0.10	-	16.5 / 11.1	2 / 6.6	-
GRX 60.200, ... F, ... E3	77 / 0.12	-	16.5 / 11.1	2 / 6.6	-
GRX 60.300, ... F, ... E3	126 / 0.19	-	31.5 / 21.2	2 / 6.6	-
GRX 60.400, ... F, ... E3	151 / 0.23	129 / 0.2	31.5 / 21.2	2 / 6.6	-
GRSX 60.060, ... F ... E3	64 / 0.10	-	25.5 / 17.1	2 / 6.6	-
GRSX 60.100, ... F ... E3	75 / 0.12	-	25.5 / 17.1	2 / 6.6	-
GRSX 60.150, ... F ... E3	111 / 0.17	-	25.5 / 17.1	2 / 6.6	-
GRSX 60.200, ... F ... E3	127 / 0.20	-	25.5 / 17.1	2 / 6.6	-
GRSX 60.300, ... F ... E3	181 / 0.28	129 / 0.2	63 / 42.3	2 / 6.6	A
GRSX 60.400, ... F ... E3	217 / 0.34	129 / 0.2	63 / 42.3	2 / 6.6	A
GRSX 60.500, ... F ... E3	253 / 0.39	129 / 0.2	63 / 42.3	2 / 6.6	A
GRX 110.100, ... F	77 / 0.12	-	53.3 / 35.9	2 / 6.6	-
GRX 110.200, ... F	125 / 0.19	-	53.3 / 35.9	2 / 6.6	-
GRX 110.300, ... F	151 / 0.23	129 / 0.2	53.3 / 35.9	2 / 6.6	-
GRX 110.400, ... F	175 / 0.27	129 / 0.2	53.3 / 35.9	2 / 6.6	-
GRX 110.500, ... F	201 / 0.31	129 / 0.2	53.3 / 35.9	2 / 6.6	-
GRX 110.600, ... F	226 / 0.35	129 / 0.2	53.3 / 35.9	2 / 6.6	-
GRSX 110.200, ... F	181 / 0.28	129 / 0.2	83.3 / 56	2 / 6.6	A
GRSX 110.300, ... F	217 / 0.34	129 / 0.2	83.3 / 56	2 / 6.6	A
GRSX 110.450, ... F	271 / 0.42	258 / 0.4	83.3 / 56	2 / 6.6	A
GRSX 110.600, ... F	326 / 0.50	258 / 0.4	103.3 / 69.4	2 / 6.6	A
GRSX 110.200, ... E3	159 / 0.25	129 / 0.2	50 / 33.6	2 / 6.6	-
GRSX 110.300, ... E3	191 / 0.30	129 / 0.2	50 / 33.6	2 / 6.6	-
GRSX 110.450, ... E3	239 / 0.37	129 / 0.2	50 / 33.6	2 / 6.6	-
GRSX 110.600, ... E3	286 / 0.44	258 / 0.4	60 / 40.3	2 / 6.6	-
GRSX 160.200, ... F	217 / 0.34	129 / 0.2	83.3 / 56	2 / 6.6	A
GRSX 160.300, ... F	253 / 0.39	129 / 0.2	83.3 / 56	2 / 6.6	A
GRSX 160.450, ... F	308 / 0.48	258 / 0.4	83.3 / 56	2 / 6.6	A
GRSX 160.600, ... F	362 / 0.56	258 / 0.4	123.3 / 82.9	2 / 6.6	A
GRSX 160.200, ... E3	191 / 0.30	129 / 0.2	56.7 / 38.1	2 / 6.6	-
GRSX 160.300, ... E3	223 / 0.35	129 / 0.2	56.7 / 38.1	2 / 6.6	-
GRSX 160.450, ... E3	270 / 0.42	258 / 0.4	56.7 / 38.1	2 / 6.6	-
GRSX 160.600, ... E3	318 / 0.49	258 / 0.4	73.3 / 49.3	2 / 6.6	A



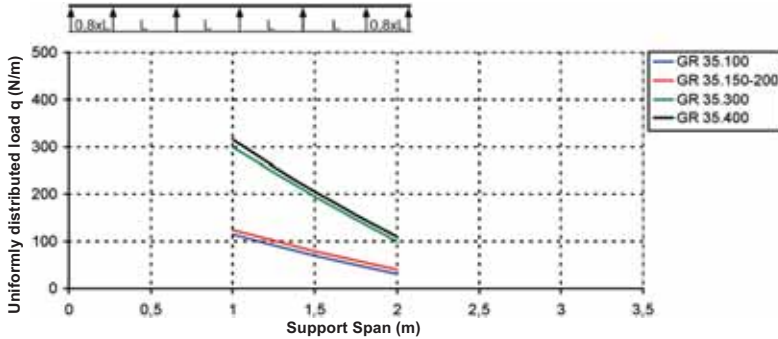
# WIRE MESH TRAY SYSTEM

## Wire Mesh Tray

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
V GR 35.100	35/1,4	100/3,9	3,5	279524	42
V GR 35.150	35/1,4	150/5,8	3,5	781003	54
V GR 35.200	35/1,4	200/7,8	3,5	279531	65
V GR 35.300	35/1,4	300/11,7	4	279548	115
F GR 35.100 F	35/1,4	100/3,9	3,5	909100	41,6
F GR 35.150 F	35/1,4	150/5,8	3,5	909124	53,3
F GR 35.200 F	35/1,4	200/7,8	3,5	909148	65
F GR 35.300 F	35/1,4	300/11,7	4	909162	115
F GR 35.400 F	35/1,4	400/15,6	4	909186	145

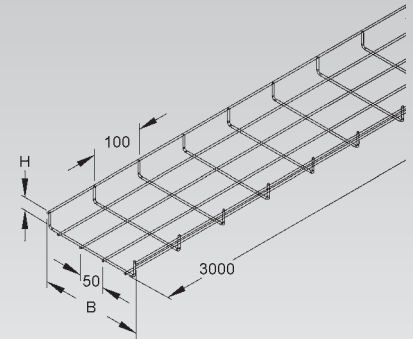
Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

35



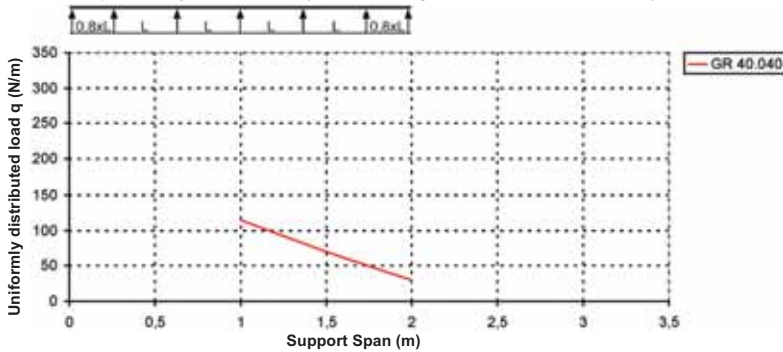
## Wire Mesh Tray

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
V GR 40.040	40/1,6	40/1,6	3,5	909209	37,6
F GR 40.040 F	40/1,6	40/1,6	3,5	909223	37,6
E3 GR 40.040 E3	40/1,6	40/1,6	3,5	343713	37,6

Splice plates to be ordered separately.

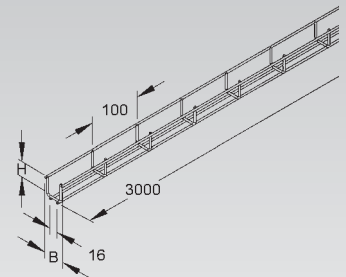
GRV 6 splice has to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

40

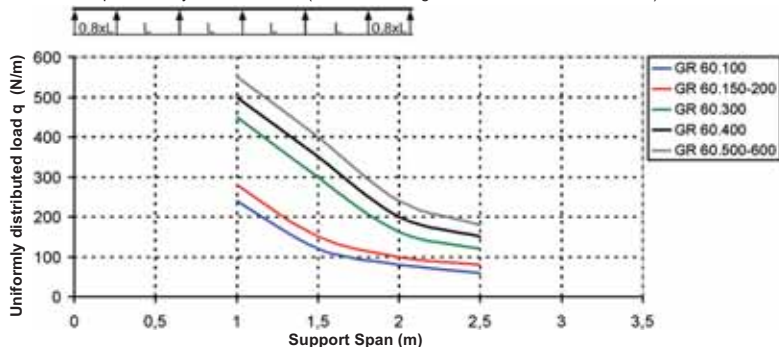


## Wire Mesh Tray

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
V GR 60.100	60/2,3	100/3,9	3,5	279562	62
V GR 60.150	60/2,3	150/5,8	3,5	781102	74
V GR 60.200	60/2,3	200/7,8	3,5	279579	84
V GR 60.300	60/2,3	300/11,7	4	279586	140
V GR 60.400	60/2,3	400/15,6	4	279593	170
V GR 60.500	60/2,3	500/19,5	4	870707	199
V GR 60.600	60/2,3	600/23,4	4	870752	229
F GR 60.100 F	60/2,3	100/3,9	3,5	870806	62
F GR 60.150 F	60/2,3	150/5,8	3,5	870813	73,3
F GR 60.200 F	60/2,3	200/7,8	3,5	870820	84
F GR 60.300 F	60/2,3	300/11,7	4	870844	140
F GR 60.400 F	60/2,3	400/15,6	4	870868	170
F GR 60.500 F	60/2,3	500/19,5	4	870882	199
F GR 60.600 F	60/2,3	600/23,4	4	870899	229
E3 GR 60.100 E3	60/2,3	100/3,9	3,5	343720	62
E3 GR 60.150 E3	60/2,3	150/5,8	3,5	343737	74
E3 GR 60.200 E3	60/2,3	200/7,8	3,5	343744	84
E3 GR 60.300 E3	60/2,3	300/11,7	4	343768	140
E3 GR 60.400 E3	60/2,3	400/15,6	4	343782	170

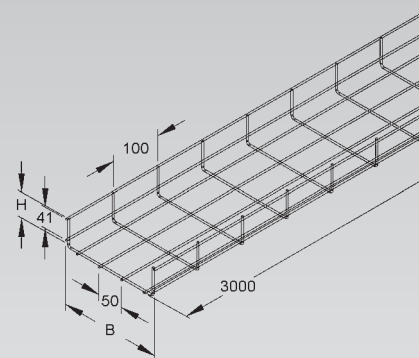
Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

60

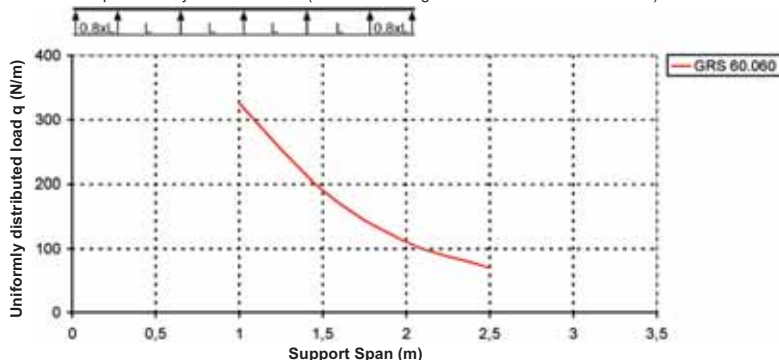


## Wire Mesh Tray

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
V GRS 60.060	60/2,3	60/2,3	4	781904	56
F GRS 60.060 F	60/2,3	60/2,3	4	892204	59,3
E3 GRS 60.060 E3	60/2,3	60/2,3	4,5	801152	70

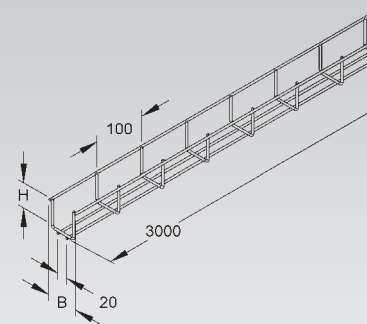
Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

60



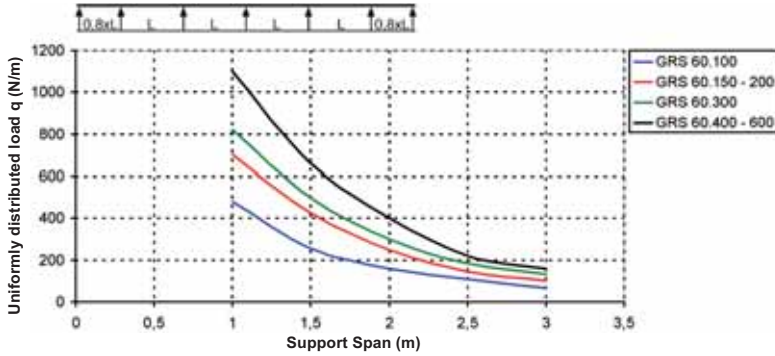
# WIRE MESH TRAY SYSTEM

## Wire Mesh Tray

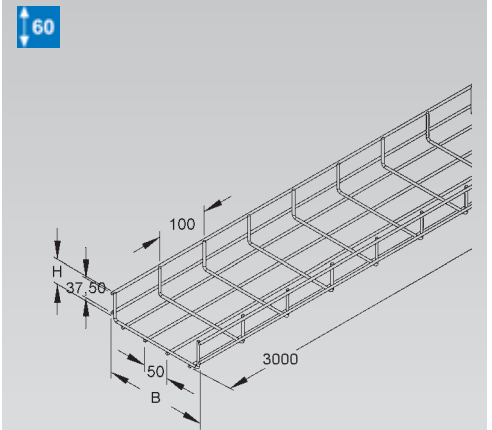
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
V GRS 60.100	60/2,3	100/3,9	4	781928	80
V GRS 60.150	60/2,3	150/5,8	4,5	781942	119
V GRS 60.200	60/2,3	200/7,8	4,5	781966	138
V GRS 60.300	60/2,3	300/11,7	4,8	781980	200
V GRS 60.400	60/2,3	400/15,6	4,8	782000	244
V GRS 60.500	60/2,3	500/19,5	4,8	782024	287
V GRS 60.600	60/2,3	500/19,5	4,8	782048	333
F GRS 60.100 F	60/2,3	100/3,9	4	892228	85,3
F GRS 60.150 F	60/2,3	150/5,8	4,5	892242	127
F GRS 60.200 F	60/2,3	200/7,8	4,5	892266	148,3
F GRS 60.300 F	60/2,3	300/11,7	4,8	892280	214
F GRS 60.400 F	60/2,3	400/15,6	4,8	892303	261,6
F GRS 60.500 F	60/2,3	500/19,5	4,8	892327	307,6
E3 GRS 60.100 E3	60/2,3	100/3,9	4,5	801169	99,3
E3 GRS 60.150 E3	60/2,3	150/5,8	4,5	801176	118,3
E3 GRS 60.200 E3	60/2,3	200/7,8	4,5	801183	139
E3 GRS 60.300 E3	60/2,3	300/11,7	4,5	903528	177
E3 GRS 60.400 E3	60/2,3	400/15,6	4,5	903542	215
E3 GRS 60.500 E3	60/2,3	500/19,5	4,5	903566	253
E3 GRS 60.600 E3	60/2,3	600/23,4	4,5	903580	295

Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

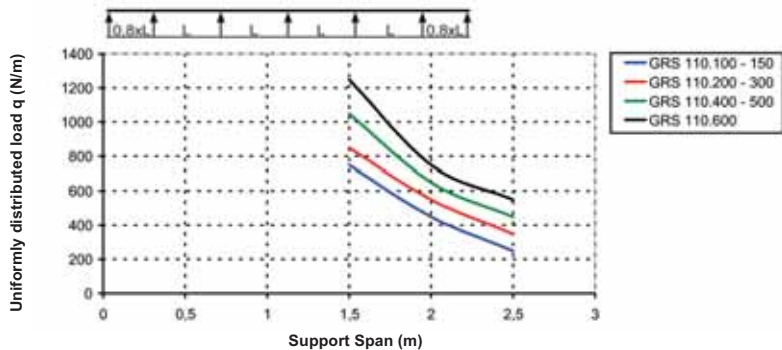


### Wire Mesh Tray

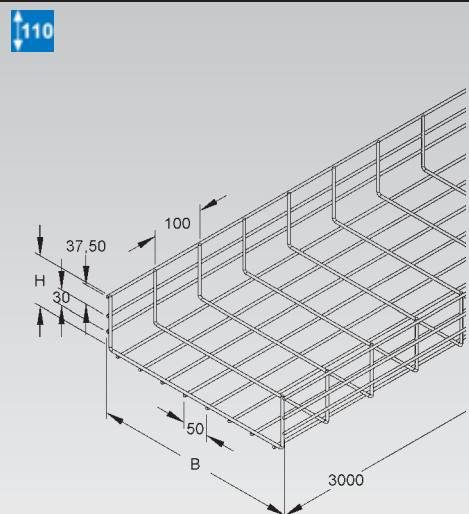
model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
V GRS 110.200	110/4,3	200/7,8	4,8	930517	
V GRS 110.300	110/4,3	300/11,7	4,8	930524	
V GRS 110.450	110/4,3	450/17,6	4,8	933969	306,9
V GRS 110.600	110/4,3	600/23,4	4,8	930555	
F GRS 110.200 F	110/4,3	200/7,8	4,8	930579	
F GRS 110.300 F	110/4,3	300/11,7	4,8	930586	
F GRS 110.450 F	110/4,3	450/17,6	4,8	933976	329,9
F GRS 110.600 F	110/4,3	600/23,4	4,8	930616	

Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independant of splice plate location.

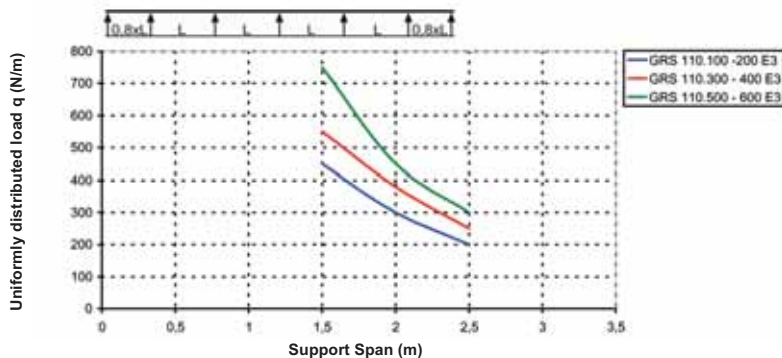


### Wire Mesh Tray

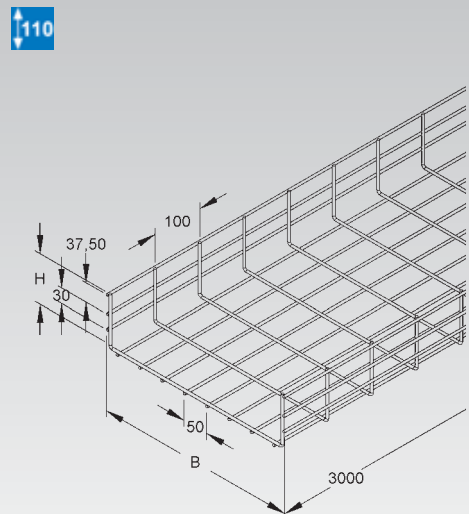
model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
E3 GRS 110.200 E3	110/4,3	200/7,8	4,5	930739	
E3 GRS 110.300 E3	110/4,3	300/11,7	4,5	930746	
E3 GRS 110.450 E3	110/4,3	450/17,6	4,5	934041	271,6
E3 GRS 110.600 E3	110/4,3	600/23,4	4,5	930777	

Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independant of splice plate location.



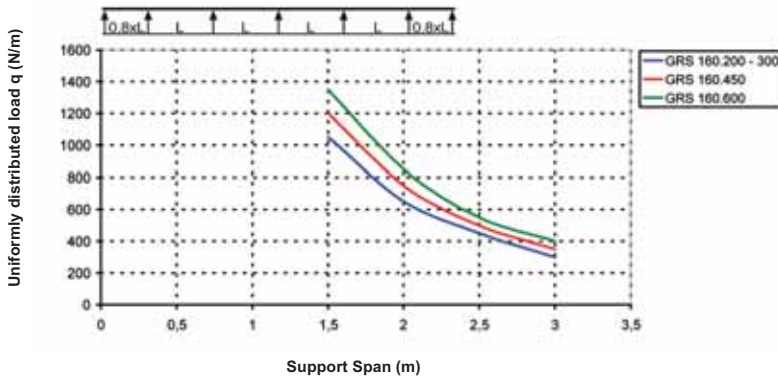
# WIRE MESH TRAY SYSTEM

## Wire Mesh Tray

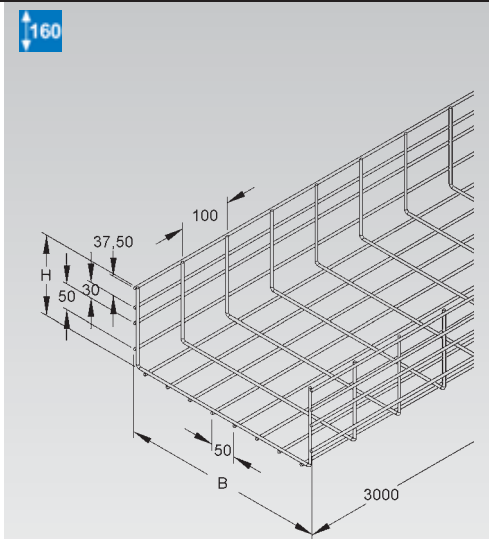
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
V GRS 160.200	160/6,2	200/7,8	4,8	930623	
V GRS 160.300	160/6,2	300/11,7	4,8	930630	
V GRS 160.450	160/6,2	450/17,6	4,8	934010	350
V GRS 160.600	160/6,2	600/23,4	4,8	930661	
F GRS 160.200 F	110/4,3	200/7,8	4,8	930678	
F GRS 160.300 F	110/4,3	300/11,7	4,8	930685	
F GRS 160.450 F	110/4,3	450/17,6	4,8	934027	376,3
F GRS 160.600 F	110/4,3	600/23,4	4,8	930715	

Splice plates to be ordered separately.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

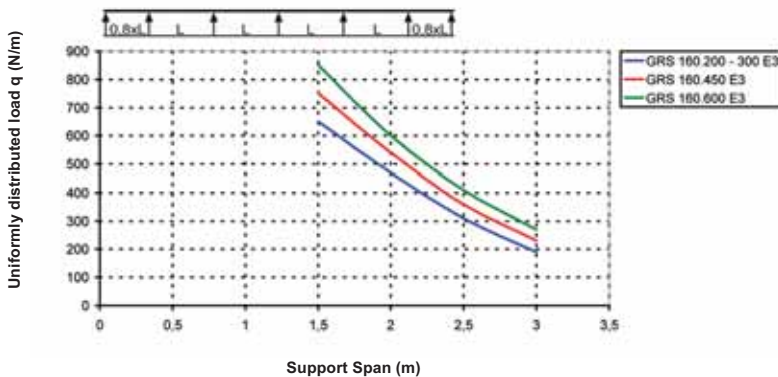


## Wire Mesh Tray

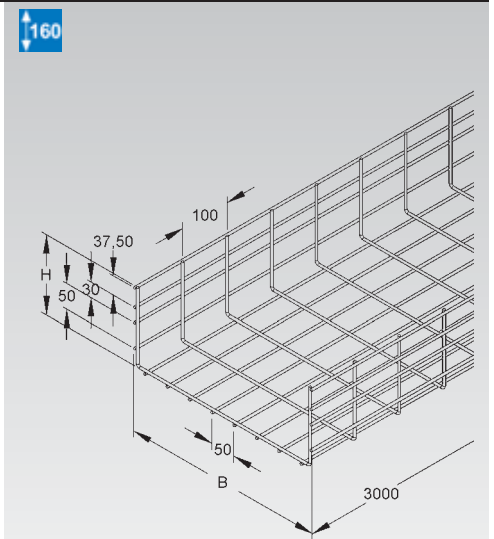
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
E3 GRS 160.200 E3	160/6,2	200/7,8	4,5	930845	
E3 GRS 160.300 E3	160/6,2	300/11,7	4,5	930852	
E3 GRS 160.450 E3	160/6,2	450/17,6	4,5	934072	309,8
E3 GRS 160.600 E3	160/6,2	600/23,4	4,5	930883	

Splice plates to be ordered separately.

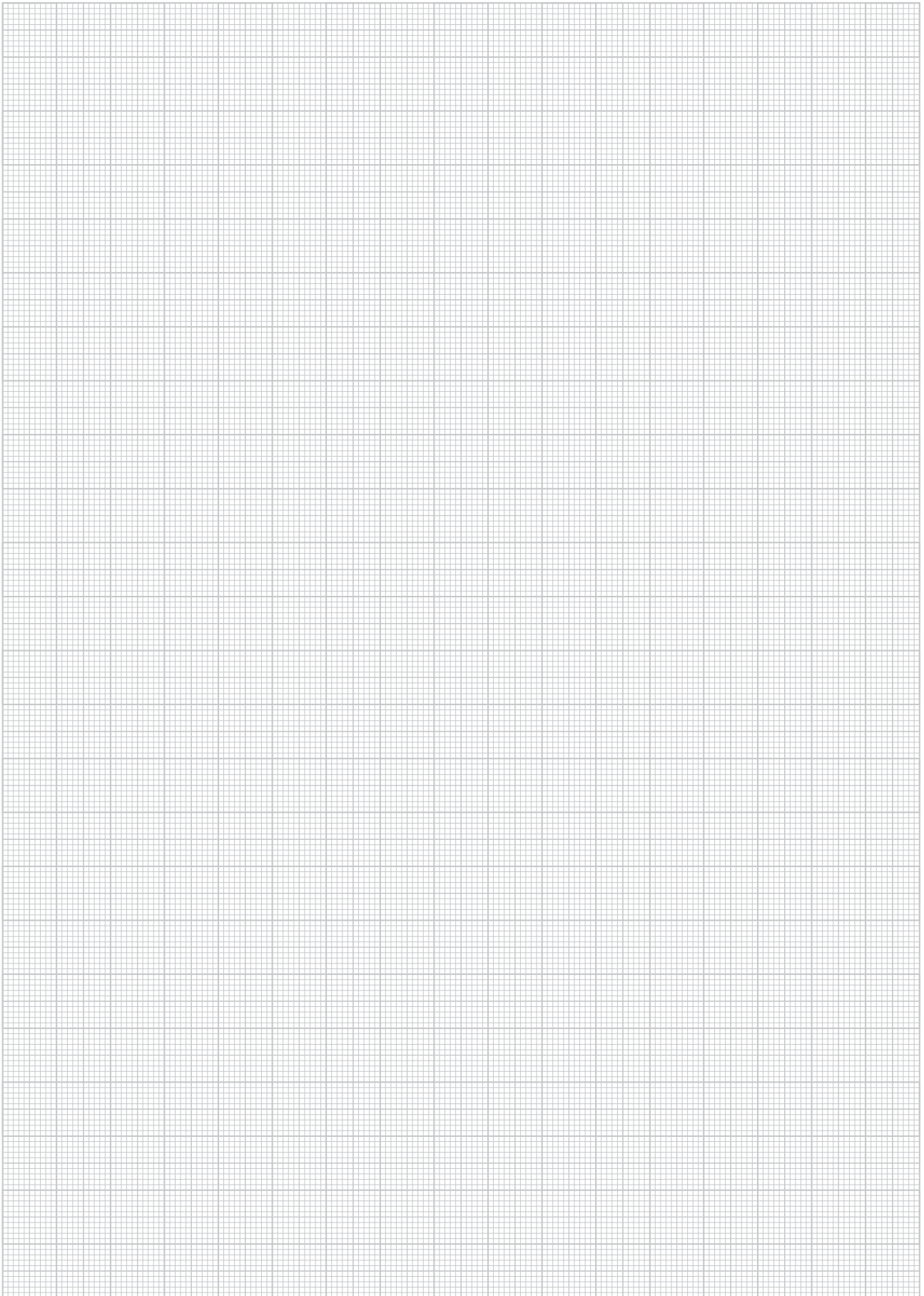
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.







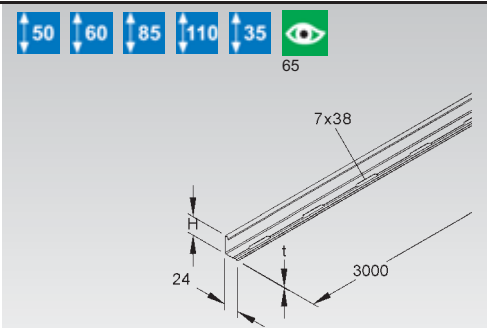
# WIRE MESH TRAY SYSTEM ACCESSORIES

## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S RW 35	30/1,2	0,75	4 FLM 6x12	213504	35
S RW 50	47/1,8	0,75	4 FLM 6x12	224951	45
S RW 60	55/2,1	0,75	4 FLM 6x12	225002	50
S RW 85	80/3,1	0,9	4 FLM 6x12	237609	92
S RW 110	98/3,8	0,9	4 FLM 6x12	251001	90
F RW 35 F	30/1,2	0,75	4 FLM 6x12 F	213603	35
F RW 60 F	55/2,1	0,75	4 FLM 6x12 F	225101	50
F RW 85 F	80/3,1	0,9	4 FLM 6x12 F	237708	92
F RW 110 F	98/3,8	0,9	4 FLM 6x12 F	251100	90
E3 RW 50 E3	47/1,8	0,8	4 FLM 6x12 E3	333356	45

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

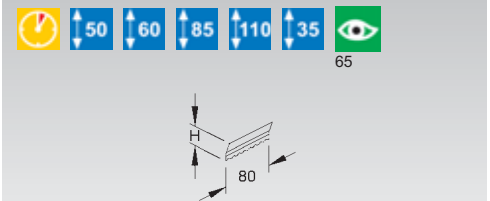


## Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
E2 RTV 35 E2	29/1,1	80/3,1	213658	1
E2 RTV 50 E2	46,5/1,8	80/3,1	224999	1
E2 RTV 60 E2	54,5/2,1	80/3,1	225149	1,5
E2 RTV 85 E2	79,5/3,1	80/3,1	237753	2
E2 RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



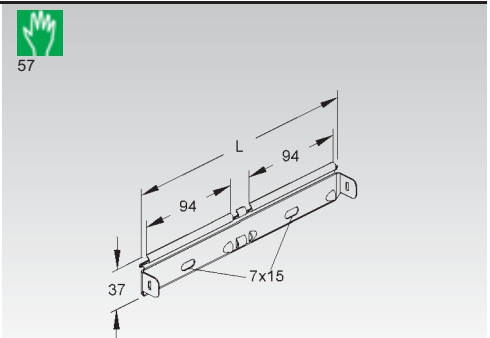
## Boltless Splice Plate

for wire mesh tray with 100 mm cross wire distance

model no.	height (H) mm/Inch	length (A) mm/Inch	for wire gauge mm/Inch	EAN code	Weight per 100 pc. kg
S GRVS 4	36/1,4	220/8,6	3,5 - 4,0	280353	8,5
S GRVS 5	36/1,4	220/8,6	4,0 - 5,0	280377	8,3
E3 GRVS 4 E3	36/1,4	220/8,6	3,5 - 4,0	781201	6
E3 GRVS 5 E3	36/1,4	220/8,6	4,0 - 5,0	340118	8

for making straight runs of wire mesh tray

use GRVS... E3 (stainless steel) for hot dip galvanized wire mesh tray

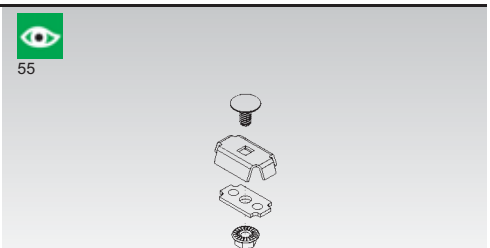


## Universal Splice Plate

for wire mesh tray, two parts

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
S GRV 6	1 FLM 6x16	280209	3,5
F GRV 6 F	1 FLM 6x16 F	280186	2,8
E3 GRV 6 E3	1 FLM 6x16 E3	802104	3,5

for making straight runs of wire mesh tray and fittings for wire mesh tray

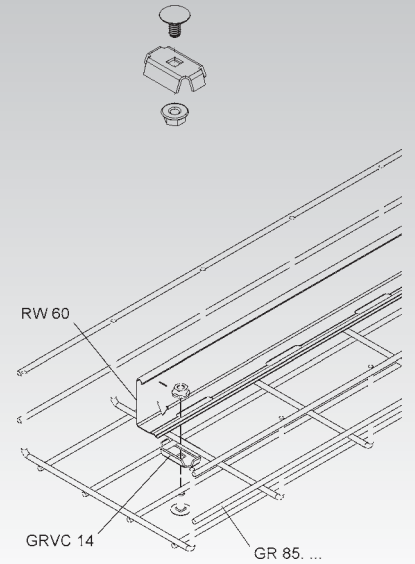


### Mounting Clamp for Barrier Strip

for wire mesh tray

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> GRVC 14	1 FLM 6x16	280308	3
<b>F</b> GRVC 14 F	1 FLM 6x16 F	280339	3
<b>E3</b> GRVC 14 E3	1 FLM 6x16 E3	841509	3

for attaching barrier strip in wire mesh tray



### Wire Mesh Mounting Bracket

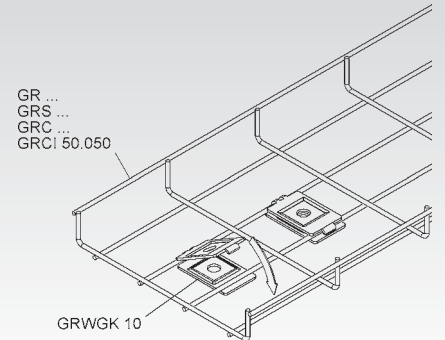
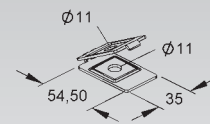
model no.	EAN code	Weight per 100 pc. kg
<b>S</b> GRWGK 10 S	280797	5,8
<b>E3</b> GRWGK 10 E3	931057	5,8

for flexible wall or ceiling mounting of wire mesh tray

Can be used for all kinds of wire mesh tray from wire gauge 3.0 mm to 6.0 mm. GR 40.040 and GRS 60.060 are supported as well.



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# WIRE MESH TRAY SYSTEM ACCESSORIES

## Wall Bracket and Floor Support

for wire mesh tray

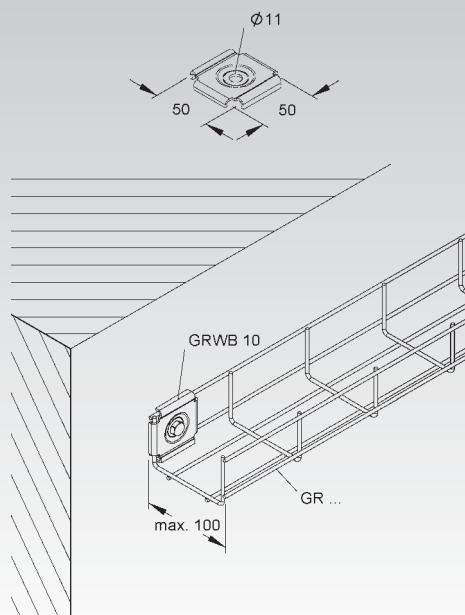
model no.	EAN code	Weight per 100 pc. kg
<b>S</b> GRWB 10	280605	6
<b>F</b> GRWB 10 F	280650	6,5
<b>E3</b> GRWB 10 E3	802005	5

for wall mounting wire mesh tray (max. width 100 mm)

for floor mounting of wire mesh tray (50 mm length wire distance)



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## Center Hanger

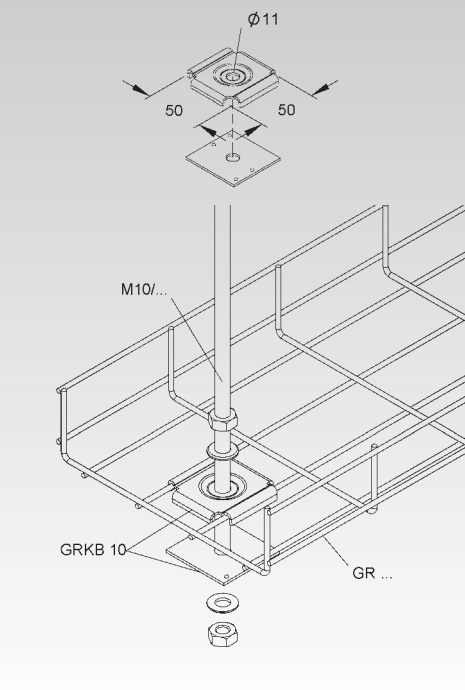
for wire mesh tray, two parts

model no.	EAN code	Weight per 100 pc. kg
<b>S</b> GRKB 10	280704	10
<b>F</b> GRKB 10 F	280759	10

for centered hanging of wire mesh tray (50 mm length wire distance) with threaded rod



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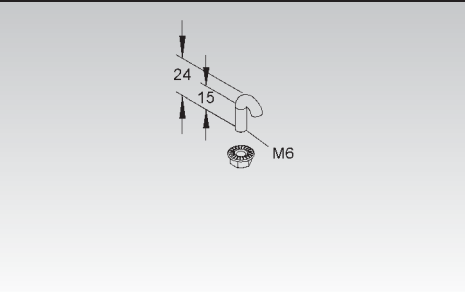


## J - Hook Bolt

model no.	thread	EAN code	Weight per 100 pc. kg
<b>V</b> GRSM 6	M6	280506	1
<b>E3</b> GRSM 6 E3	M6	343799	2,7

to fix wire mesh tray on brackets

stainless steel finish, with hexagon nut and washer  
electroplated finish, with serrated flange nut

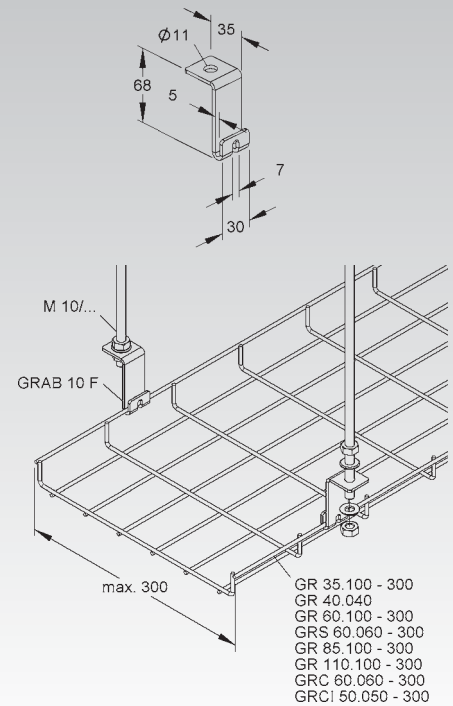


## Trapeze Hanger Clip

model no.	EAN code	Weight per 100 pc. kg
★ F GRAB 10 F	280780	7,7

for all wire mesh tray, max. wire gauge 5 mm  
for single or doublesided hanging of wire mesh tray with threaded rod

To be used for: GR..., GRS..., GRC... and GRCI... type wire mesh tray (max. width 100 mm for single sided and 300 mm for double sided hanging)



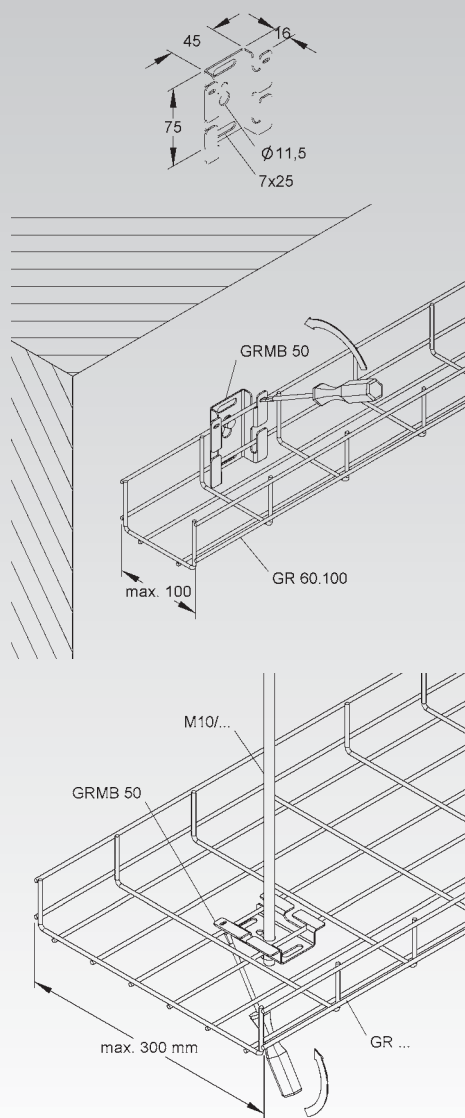


## Mounting Bracket

for wire mesh tray

model no.	EAN code	Weight per 100 pc. kg
<b>F</b> GRMB 50	864904	8,5
<b>E3</b> GRMB 50 E3	912018	8,5

for wall mounting of wire mesh tray with a max. width of 100 mm and for centered hanging of wire mesh tray (max. width 300 mm) by threaded rod

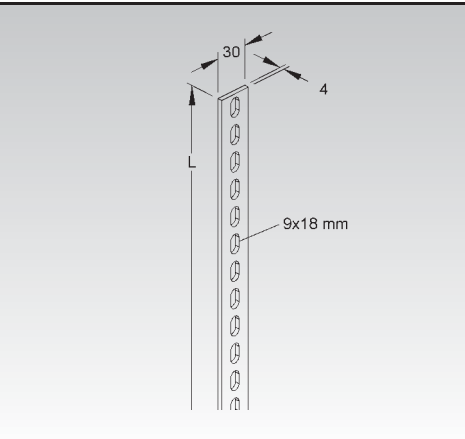


## Extension for Wire Mesh Tray Hanger

model no.	length (A) mm/inch	EAN code	Weight per 100 pc. kg
<b>F</b> GRTS 30/3 F	3000/117	895182	86,6

for extending GRHB 30/150 F ceiling mount bracket

25 mm center distance in between longholes 9x18 mm



## Mounting Bracket for Wire Mesh Tray

simple

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F GRHB 30/150 F</b>	71,5/2,8	86,5/3,4	895168	27

for wall mounting wire mesh tray (max. width 100 mm)

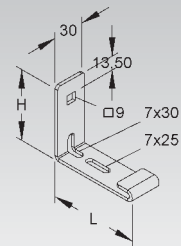
use either one GRTS 30/3 or one GRSH 30/ for ceiling mount of wire mesh tray (max. width 200 mm)

use either two GRTS 30/3 or two GRSH 30/ for ceiling mount of wire mesh tray (width > 200 mm)

**Wire mesh tray mounted to the ceiling (width > 200 mm) needs extra crosswise support against deflection under heavy load**

boltless fixing in the bottom of the tray

use an extra J - Hook bolt to protect wire mesh tray from tilting



## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
<b>F FLM 8 X 16 F</b>	M8	16/0,6	8.8	206704	2,2

HDG finish, flange nut included



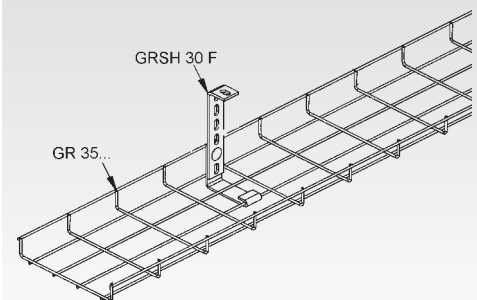
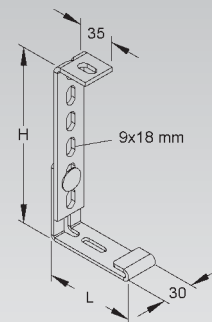
## Standard Hanger for Wire Mesh Tray

model no.	height (H) mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F GRSH 30 F</b>	170/6,6	86,5/3,4	1 FLM 8x16 F	895199	45

for ceiling mount

boltless fixing in the bottom of the tray

25 mm center distance in between longholes 9x18 mm



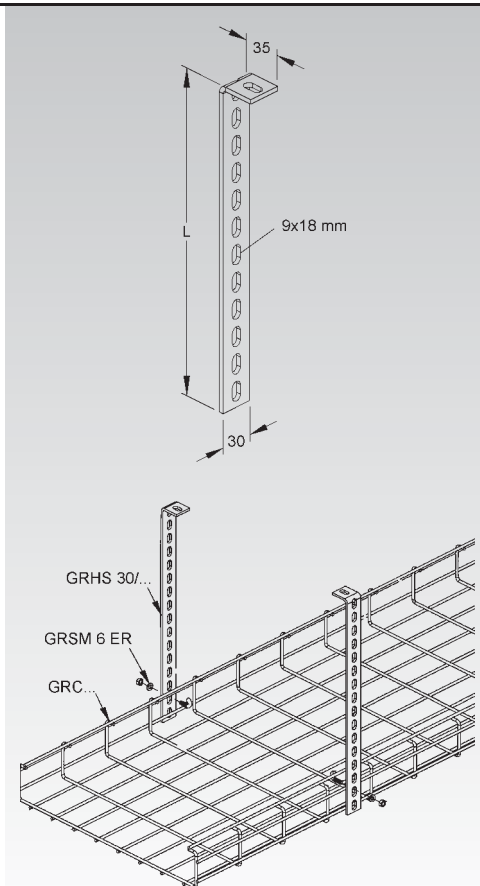
# WIRE MESH TRAY SYSTEM ACCESSORIES

## Overhead Hanger for Wire Mesh Tray

model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
F GRHS 30/150 F	150/5,8	909421	15
F GRHS 30/200 F	200/7,8	909445	18
F GRHS 30/300 F	300/11,7	909469	25
F GRHS 30/400 F	400/15,6	909483	33
F GRHS 30/500 F	500/19,5	909506	40
F GRHS 30/600 F	600/23,4	909520	48
F GRHS 30/700 F	700/27,3	909544	55
F GRHS 30/800 F	800/31,2	909568	63
F GRHS 30/900 F	900/35,1	909582	70
F GRHS 30/1000 F	1000/39	909605	88

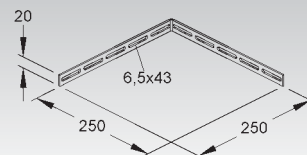
for wall or ceiling mounting of wire mesh tray

25 mm center distance in between longholes 9x18 mm



## Horizontal 90° Bend Kit for Wire Mesh Tray

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F GRWV 20/250 F	20/0,8	250/9,8	4 GRSM 6	280452	

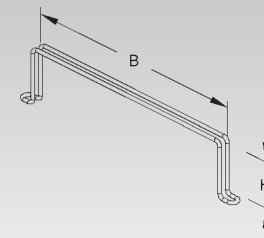


## Universal Mounting Bracket GRB...

model no.	EAN code	Weight per 100 pc. kg
V GRB 4/6.4	930784	
V GRB 4/8.4	930791	
V GRB 4/12.3	930807	
V GRB 4/16.2	930814	
V GRB 4/20.2	930821	
V GRB 4/24.1	930838	

for raised mounting in under floor applications, for spaced wall mounting and for trapeze overhead hangers with threaded rods

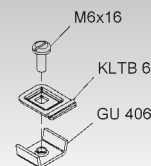
Mounting brackets have to be ordered separately.



## Attachment Bracket

model no.	EAN code	Weight per 100 pc. kg
V GRBB 6 V	922949	

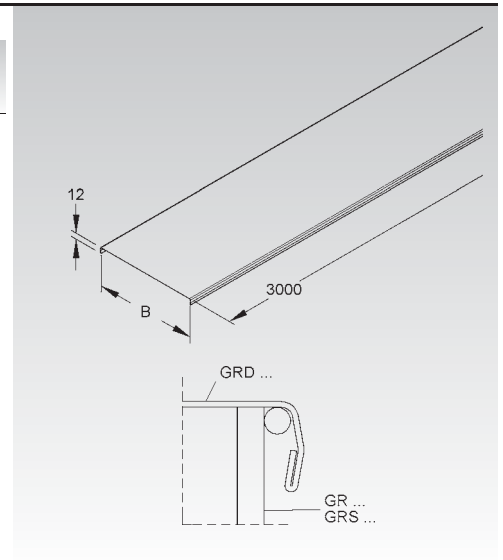
To be used for: Universal Mounting Bracket GRB...



### Cover for Wire Mesh Tray

model no.	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch		
<b>S</b> GRD 60	60/2,3	0,75	909346	55,6
<b>S</b> GRD 100	100/3,9	0,75	909360	78
<b>S</b> GRD 150	150/5,8	0,75	909384	109
<b>S</b> GRD 200	200/7,8	0,75	909407	139
<b>S</b> GRD 300	300/11,7	0,9	922000	239
<b>E3</b> GRD 60 E3	60/2,3	0,8	801206	57
<b>E3</b> GRD 100 E3	100/3,9	0,8	801251	83
<b>E3</b> GRD 150 E3	150/5,8	0,8	801220	115,6
<b>E3</b> GRD 200 E3	200/7,8	0,8	801305	146
<b>E3</b> GRD 300 E3	300/11,7	0,8	801374	210,6

To be used for: snap-on cover for wire mesh tray type GR... and GRS...  
hot-dip galvanized finish available on request

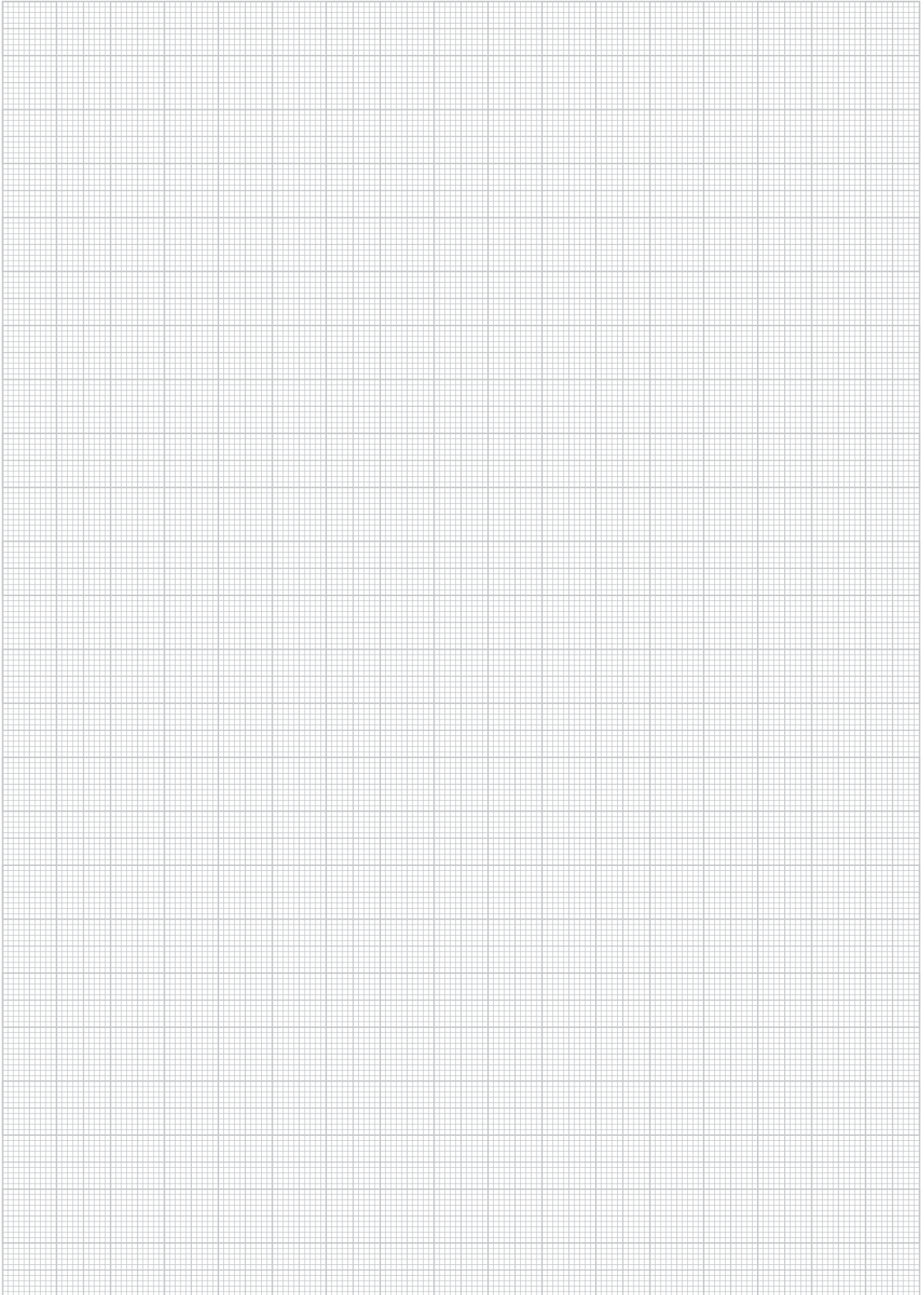


## Boltless Connectors needed per interconnection






Gitterrinnen Modell-Nr.	Anzahl Stück	Verbinder Modell-Nr.	Position der Verbinder	Gitterrinnen Modell-Nr.	Anzahl Stück	Verbinder Modell-Nr.	Position der Verbinder
GR 35.100 GR 35.100 F GR 35.150 GR 35.150 F GR 35.200 GR 35.200 F GR 35.300 GR 35.300 F GR 35.400 GR 35.400 F	2	GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3	install one on each side at upper wire	GRS 160.200 GRS 160.200 F GRS 160.200 E3 GRS 160.300 GRS 160.300 F GRS 160.300 E3 GRS 160.450 GRS 160.450 F GRS 160.450 E3 GRS 160.600 GRS 160.600 F GRS 160.600 E3	4	GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3	install one on each side at upper wire and two uniformly distributed in the bottom
GR 60.100 GR 60.100 F GR 60.100 E3 GR 60.150 GR 60.150 F GR 60.150 E3 GR 60.200 GR 60.200 F GR 60.200 E3 GR 60.300 GR 60.300 F GR 60.300 E3 GR 60.400 GR 60.400 F GR 60.400 E3 GR 60.500 GR 60.500 F GR 60.600 GR 60.600 F	2	GRVS 4 GRVS 4 E3 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 E3	install one on each side at upper wire	GR 85.100 GR 85.100 F GR 85.200 GR 85.200 F GR 85.300 GR 85.300 F GR 85.400 GR 85.400 F GR 85.500 GR 85.500 F GR 85.600 GR 85.600 F	3	GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3	install one on each side at upper wire and one in the center of the bottom
GRS 60.060 GRS 60.060 F GRS 60.060 E3 GRS 60.100 GRS 60.100 F GRS 60.100 E3 GRS 60.150 GRS 60.150 F GRS 60.150 E3 GRS 60.200 GRS 60.200 F GRS 60.200 E3 GRS 60.300 GRS 60.300 F GRS 60.300 E3 GRS 60.400 GRS 60.400 F GRS 60.400 E3 GRS 60.500 GRS 60.500 F GRS 60.500 E3 GRS 60.600 GRS 60.600 E3	3	GRVS 4 GRVS 4 E3 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 E3	install one on each side at upper wire and one in the center of the bottom	GR 110.100 GR 110.100 F GR 110.200 GR 110.200 F GR 110.300 GR 110.300 F GR 110.400 GR 110.400 F GR 110.500 GR 110.500 F GR 110.600 GR 110.600 F	4	GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3	install one on each side at upper wire and two uniformly distributed in the bottom
GRS 60.060 GRS 60.060 E3 GRS 60.100 GRS 60.100 E3 GRS 60.150 GRS 60.150 E3 GRS 60.200 GRS 60.200 E3 GRS 60.300 GRS 60.300 E3 GRS 60.400 GRS 60.400 E3 GRS 60.500 GRS 60.500 E3 GRS 60.600 GRS 60.600 E3	4	GRVS 4 GRVS 4 E3 GRVS 4 GRVS 4 E3	install one on each side at upper wire and two uniformly distributed in the bottom	GRC 60.060 GRC 60.060 E3 GRC 60.100 GRC 60.100 E3 GRC 60.200 GRC 60.200 E3 GRC 60.300 GRC 60.300 E3 GRC 60.400 GRC 60.400 E3 GRC 60.500 GRC 60.500 E3	2	GRVS 5 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 GRVS 5 E3	install one on each side at upper wire
GRS 110.200 GRS 110.200 F GRS 110.200 E3 GRS 110.300 GRS 110.300 F GRS 110.300 E3 GRS 110.450 GRS 110.450 F GRS 110.450 E3 GRS 110.600 GRS 110.600 F GRS 110.600 E3	4	GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3	install one on each side at upper wire and one in the center of the bottom	GRL 60.090 GRL 60.090 F	1	GRVS 4 GRVS 4 E3	install one on one side
GRS 60.300 GRS 60.300 F GRS 60.300 E3 GRS 60.400 GRS 60.400 F GRS 60.400 E3 GRS 60.500 GRS 60.500 F GRS 60.500 E3 GRS 60.600 GRS 60.600 E3	4	GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3 GRVS 5 GRVS 5 E3 GRVS 5 E3	install one on each side at upper wire and two uniformly distributed in the bottom				

For the universal slice plate GRV 6, ...F, ...E3 take the same amount of pieces as given in above table.





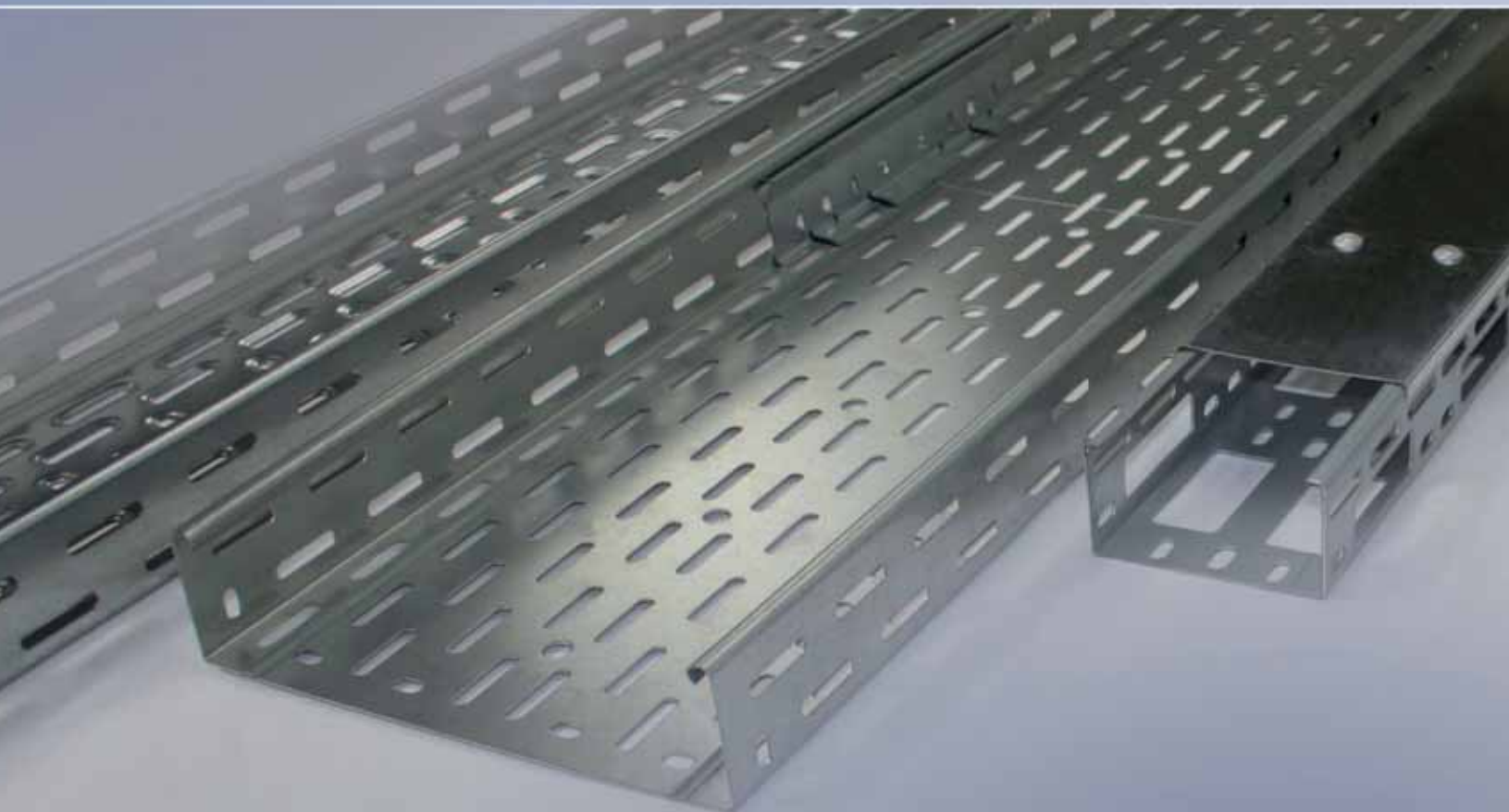
## Cable Tray System

-  Cable Tray
-  Fittings
-  Covers
-  Barrier Strips
-  Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



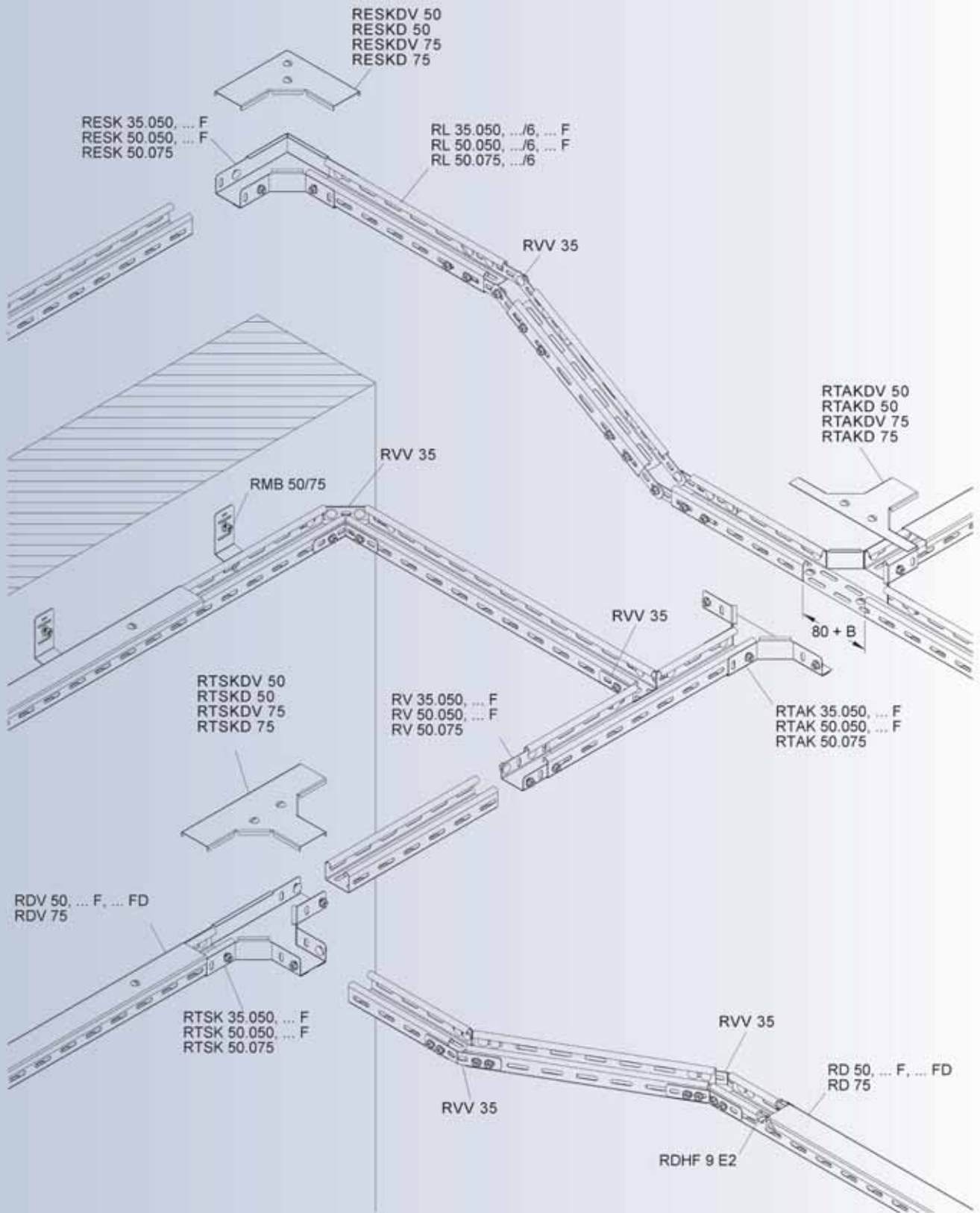
The Niedax Cable Tray is an extremely versatile and cost effective solution for your cabling needs. You can select from a wide range of tray sizes, fittings and accessories in various material thicknesses and finishes. Niedax Cable Tray is adaptable to your special needs, customized dimensions are available upon request.



## Available Side Rail Heights

SYSTEM	Mini Cable Tray, c-shaped, perforated	<b>RL</b>	Page 164
	Mini Cable Tray, non ventilated	<b>RLU</b>	Page 164
	Cover for Mini Cable Tray	<b>RD</b>	Page 164
	Cover for Mini Cable Tray with Turnbolt Locks	<b>RDV</b>	Page 165
ACCESSORIES	Single-piece Splice Plate	<b>RV</b>	Page 165
	Universal Splice Plate	<b>RVV 35</b>	Page 165
	Support Device for Mini Cable Trays	<b>RMB 50/75</b>	Page 165
	Distribution Cable Tray, c-shaped, perforated	<b>RSV</b>	Page 167
	Edge Protection Ring	<b>KSR</b>	Page 167
	Cover for Distribution Cable Trays, with Turnbolt Locks	<b>RDSV</b>	Page 167
	Universal Splice Plate	<b>RVV 50</b>	Page 168
	Extension Horizontal Tee	<b>RTAK</b>	Page 168
	Cover for Horizontal Tee	<b>RTAKD</b>	Page 168
	Cover for Horizontal Tee, with Turnbolt Locks	<b>RTAKDV</b>	Page 168
	Elbow 90°	<b>RESK</b>	Page 168
	Cover for 90° Elbow	<b>RESKD</b>	Page 169
	Cover for 90° Elbow, with Turnbolt Locks	<b>RESKDV</b>	Page 169
	Horizontal Tee	<b>RTSK</b>	Page 169
	Cover for Horizontal Tee	<b>RTSKD</b>	Page 169
	Cover for Horizontal Tee, with Turnbolt Locks	<b>RTSKDV</b>	Page 169







## One-Piece Cable Tray Specifications:

### A. CABLE TRAY DESIGN

1. Cable Tray shall be made of straight sections, fittings and accessories as defined in the latest NEMA standards per NEMA VE-1. Standard cable trays shall be UL classified as equipment grounding conductors.

### B. MATERIAL

1. **Pre-galvanized steel.** The structural quality of the steel shall meet the minimum yield and tensile strength of the ASTM standards (ASTM A 653) with G 90 coating thickness. All cable trays to be labeled for material identification purposes.
2. **Hot dipped galvanized steel.** All trays to be hot-dipped galvanized in accordance with ASTM A123. All trays to be labeled for material identification.
3. **Stainless steel.** All trays are to be constructed of AISA type 304 or type 316 stainless steel. All trays to be labeled for material identification.

### C. TRAY TYPES

1. **Ventilated cable tray.** Trays are to be fabricated from continuous roll-formed structural quality steel. Tray shall be ventilated on both the bottom of the tray and on the sides for maximum ventilation of the cables.
2. **Solid cable tray.** Trays are to be fabricated from continuous roll-formed structural quality steel. Sides are to be solid as well as bottom for maximum cable enclosure and support.
3. **Distribution cable tray.** Trays are to be fabricated from continuous roll-formed structural quality steel. Tray shall be ventilated on sides and bottom and will also contain larger openings on both bottom and side for cables to exit and enter the cable tray. Openings shall be insulated with plastic edge protection rings that are purchased separately for cable protection where needed.

### D. TRAY SIZE

1. **Height:** Trays shall have an overall height of 1.4", 2", 2.3", 3.3", and 4.3" (35, 50, 60, 85 and 110 mm). Loading depth is the same as the overall height, as there are no rungs to reduce the fill of the tray.
2. **Width:** Widths shall be 2", 4", 6", 8", 12", 16", 20" and 24" (50, 100, 150, 200, 300, 400, 500 and 600 mm).
3. **Length:** Length shall be a nominal 10' or 3 meters.

### E. ACCESSORIES

1. **Covers.** Covers shall be supplied as an option to protect tray cable where needed. Covers will be solid and have the option of containing three pair of turn-bolt locks to secure the covers to the lips of the cable tray. Covers can also be plain, and locks can be installed separately.
2. **Splice plates.** Splice plates shall be supplied with the straight sections of the tray and are installed with four sets of nuts/bolts that are also supplied. Splice plates fit internally to the tray and are one-piece U shaped to fit into both adjoining pieces of cable tray.
3. **Other accessories** shall be furnished as required to protect, support, and install a cable tray system. Fittings shall made of the same material as the cable tray whenever possible. Fittings can be of factory construction or may also be of a type that allows field constructed fittings.

### F. LOADING CAPABILITIES

1. Cable tray shall meet the load/span class designation in accordance with NEMA VE 1 and CSA E22.2 No 126.1. Cable tray shall also meet load/span designation in accordance with IEC 61537

### G. DESIGN AND MANUFACTURE

1. Cable tray design shall be manufactured by The Niedax Group, series RLCX/RLLCX/RLX/RLVX/RLUX, RSX/RSUX/RSVX series.

**Load / Span Class Designation in accordance  
with NEMA VE 1 and CSA E22.2 No. 126.1**

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
RLX 35.050	87.8 / 0.14	-	32 / 21.5	2 / 6.6	-
RLX 50.050	109.6 / 0.17	-	53 / 35.6	2 / 6.6	-
RLX 50.075	154.8 / 0.24	129 / 0.2	53 / 35.6	2 / 6.6	-
RLUX 35.050	108.8 / 0.17	-	32 / 21.5	2 / 6.6	-
RLUX 50.050	130.5 / 0.20	129 / 0.2	53 / 35.6	2 / 6.6	-
RLUX 50.075	180.0 / 0.27	129 / 0.2	53 / 35.6	2 / 6.6	-
RSVX 50.050, ... E3	112.5 / 0.17	-	60 / 40.3	2 / 6.6	-
RSVX 50.100, ... E3	142.5 / 0.22	129 / 0.2	60 / 40.3	2 / 6.6	-
RLX 35.100, ... F	136.8 / 0.21	129 / 0.2	74 / 49.7	2 / 6.6	A
RLX 35.150, ... F	169.2 / 0.26	129 / 0.2	74 / 49.7	2 / 6.6	A
RLX 35.200, ... F	201.6 / 0.31	129 / 0.2	74 / 49.7	2 / 6.6	A
RLX 35.250, ... F	234.0 / 0.36	129 / 0.2	74 / 49.7	2 / 6.6	A
RLX 35.300, ... F	296.0 / 0.46	258 / 0.4	74 / 49.7	2 / 6.6	A
RLX 35.400, ... F	368.0 / 0.57	258 / 0.4	74 / 49.7	2 / 6.6	A
RLUX 35.100, ... F	174.6 / 0.27	129 / 0.2	74 / 49.7	2 / 6.6	A
RLUX 35.150, ... F	219.6 / 0.34	129 / 0.2	74 / 49.7	2 / 6.6	A
RLUX 35.200, ... F	264.6 / 0.41	258 / 0.4	74 / 49.7	2 / 6.6	A
RLUX 35.250, ... F	309.6 / 0.48	258 / 0.4	74 / 49.7	2 / 6.6	A
RLUX 35.300, ... F	354.6 / 0.55	258 / 0.4	74 / 49.7	2 / 6.6	A
RLUX 35.400, ... F	444.6 / 0.69	258 / 0.4	74 / 49.7	2 / 6.6	A

# CABLE TRAY SYSTEM

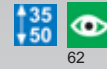
## Mini Cable Tray

ventilated

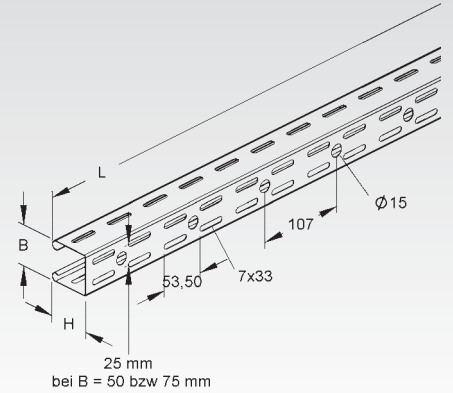
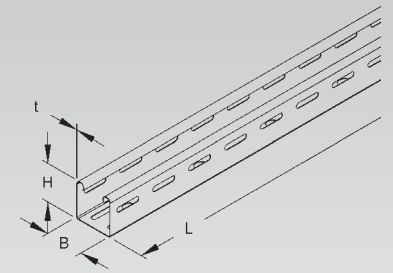
model no.	height (H)	width B	thick-ness (t)	length (A)	acc. incl.	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch	mm/Inch			
S RL 35.050	35/1,4	50/2	0,75	3000/117	4 FLM 6x12	209309	85
S RL 35.050/6	35/1,4	50/2	0,75	6000/234	4 FLM 6x12	209903	85
S RL 50.050	50/2	50/2	0,75	3000/117	4 FLM 6x12	209507	114
S RL 50.050/6	50/2	50/2	0,75	6000/234	4 FLM 6x12	210008	114
S RL 50.075	50/2	75/2,9	0,9	3000/117	4 FLM 6x12	209705	127
S RL 50.075/6	50/2	75/2,9	0,9	6000/234	4 FLM 6x12	210107	127
F RL 35.050 F	35/1,4	50/2	0,75	3000/117	4 FLM 6x12 F	209453	85
F RL 50.050 F	50/2	50/2	0,75	3000/117	4 FLM 6x12 F	209644	114

ventilated bottom and side rails, extra row of centric punch holes (diameter 15 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.



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## Mini Cable Tray

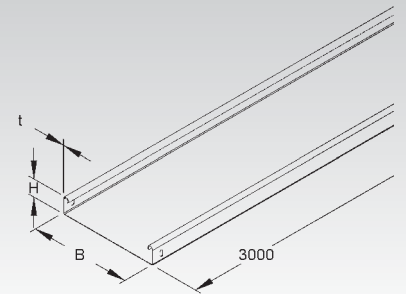
solid, splice plate included

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch		
S RLU 35.050	35/1,4	50/2	0,75	209408	85,9
S RLU 50.050	50/2	50/2	0,75	209606	103,6
S RLU 50.075	50/2	75/2,9	0,75	209804	141,3

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.



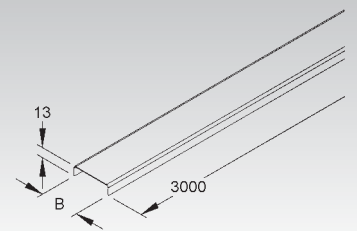
62



## Cover for Mini Cable Tray

model no.	width B	EAN code	Weight per 100 m kg
	mm/Inch		
S RD 50	50/2	260102	59
S RD 75	75/2,9	260201	75
F RD 50 F	50/2	262304	59

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.075



## Cover for Mini Cable Tray

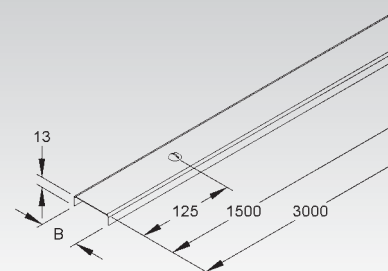
with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 m kg
S RDV 50	50/2	261208	59
S RDV 75	75/2,9	261307	77
F RDV 50 F	50/2	263400	59

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.075

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements



## U-shaped Single Piece Splice Plate

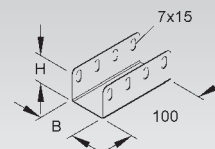
for additional requirements

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RV 35.050	25/1	47/1,8	4 FLM 6x12	211401	7
S RV 50.050	40/1,6	47/1,8	4 FLM 6x12	211500	9
S RV 50.075	40/1,6	72/2,8	4 FLM 6x12	211609	11
F RV 35.050 F	25/1	47/1,8	4 FLM 6x12 F	871506	98
F RV 50.050 F	40/1,6	47/1,8	4 FLM 6x12 F	837601	110

The U-shaped splice plate is easy to install. It's a time saving replacement of the classical three piece splice plate.

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.075

An RV type splice plate is included with every straight piece of RL or RS tray.



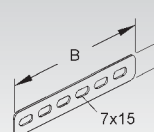
## Universal Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RVV 35	22/0,9	135/5,3	4 FLM 6x12	273102	7
F RVV 35 F	22/0,9	135/5,3	4 FLM 6x12 F	273157	

Universal splice plate for making straight or tee connections and vertical or horizontal bends.

**2 pieces required per joint**

The all purpose splice plate can be used to make all kinds of connections and fittings like bends, tees ...



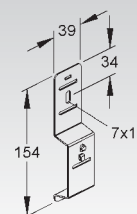
## Support Bracket for Mini Cable Trays

model no.	EAN code	Weight per 100 pc. kg
S RMB 50/75	210152	7,8

for tray up to 75 mm in width

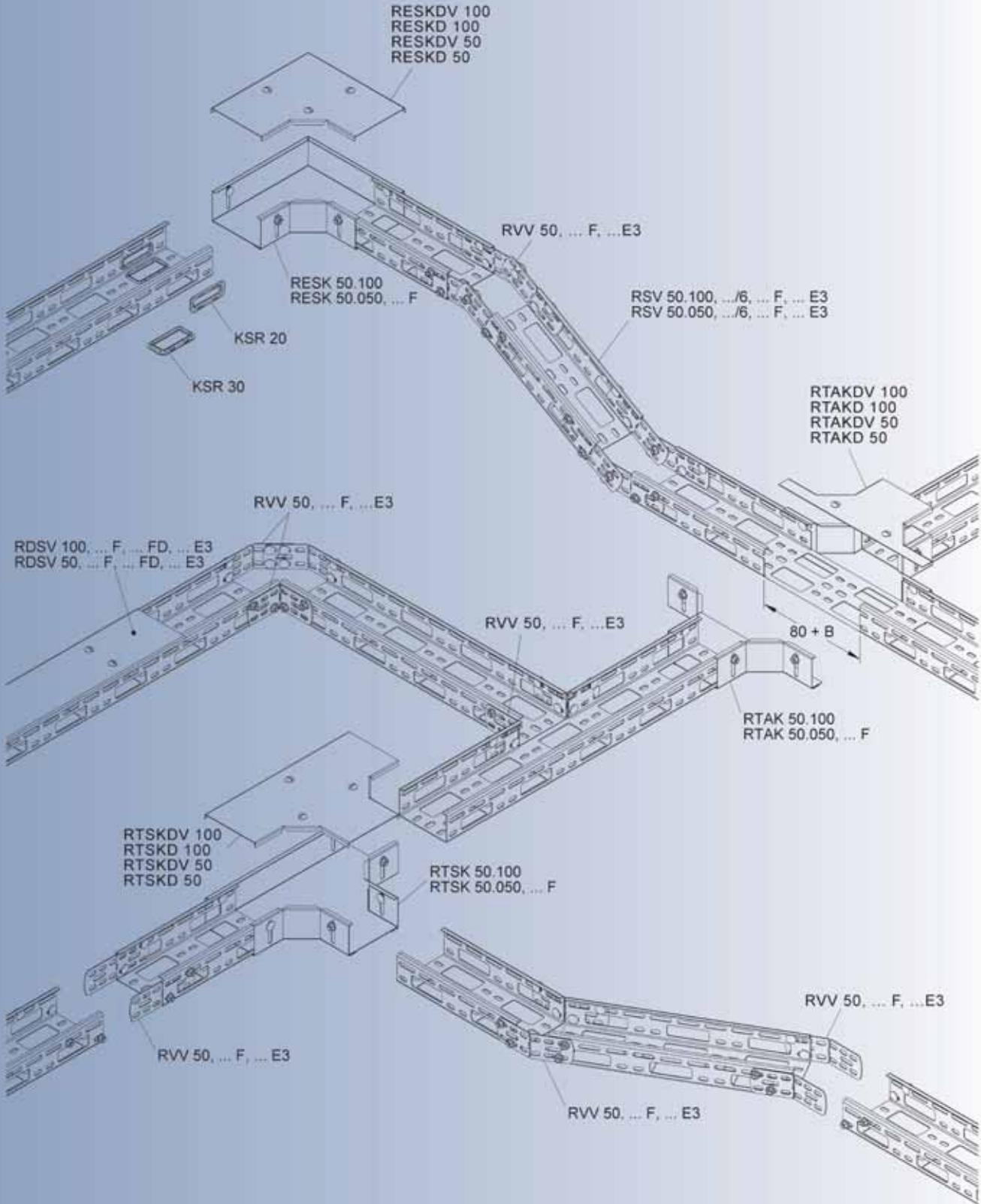
Flexible to use due to vertical perforation for easy bending, ex. to install mini cable tray in long span tray or ladder.

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.075





## System configuration of the mini cable tray 50





## Distribution Cable Tray

ventilated

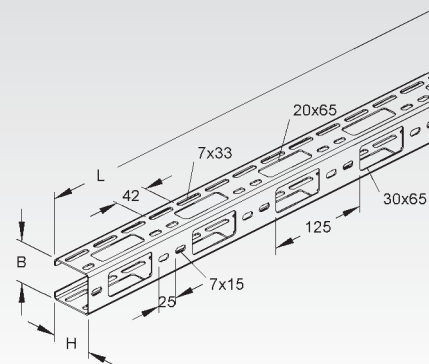
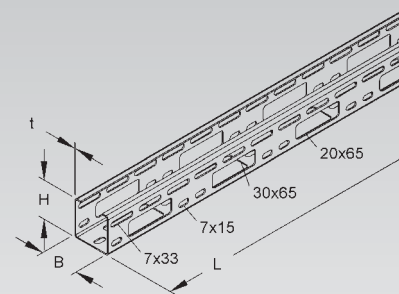
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 m kg
<b>S</b> RSV 50.050	50/2	50/2	1,5	3000/117	257706	126,1
<b>S</b> RSV 50.050/6	50/2	50/2	1,5	6000/234	257751	126,1
<b>S</b> RSV 50.100	50/2	100/3,9	1,5	3000/117	257805	162,2
<b>S</b> RSV 50.100/6	50/2	100/3,9	1,5	6000/234	257850	162,2
<b>F</b> RSV 50.050 F	50/2	50/2	1,5	3000/117	258307	135,6
<b>F</b> RSV 50.100 F	50/2	100/3,9	1,5	3000/117	258406	174,4
<b>E3</b> RSV 50.050 E3	50/2	50/2	1,5	3000/117	333523	126,9
<b>E3</b> RSV 50.100 E3	50/2	100/3,9	1,5	3000/117	333547	163,3

bottom plate and side rail perforated with staggered punch holes

Square punch holes of 30x65 mm (bottom) and of 20x65 mm (side rail) are provided for cable or pipe dropouts.

More options are shown in the catalog section Niedax Surface Metal Raceways for industrial applications.

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## Edge Protection Ring

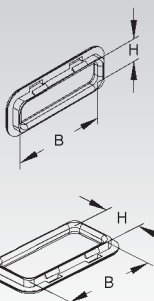
model no.	inside dimension (H) mm/Inch	inside dimension (B) mm/Inch	convenient for mm/Inch	EAN code	Weight per 100 pc. kg
<b>K03</b> KSR 20	14,5	58	20 x 65 mm	258703	0,5
<b>K03</b> KSR 30	24	58	30 x 65 mm	258802	0,5

to protect cables against damages at the dropouts of tray or surface metal raceway

**To prevent accidents and injuries you must install the edge protection ring.**

To be used for: distribution cable tray RSV 50..., industrial surface metal raceway and for edge protection of punched square holes using BL 20/30.65

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## Cover for Distribution Cable Tray

with turnbolt locks

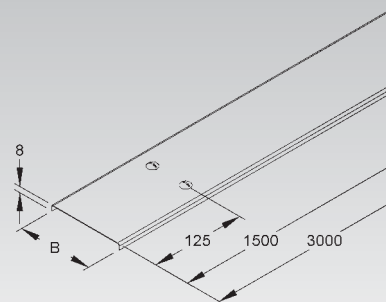
model no.	width B mm/Inch	EAN code	Weight per 100 m kg
<b>S</b> RDSV 50	50/2	258109	60
<b>S</b> RDSV 100	100/3,9	258208	97
<b>F</b> RDSV 50 F	50/2	258246	60
<b>F</b> RDSV 100 F	100/3,9	258260	97
<b>E3</b> RDSV 50 E3	50/2	860500	60
<b>E3</b> RDSV 100 E3	100/3,9	860609	96

Turnbolt locks for E3 stainless steel distribution tray covers (AISI type 304) are made of E5 (AISI type 316)

To be used for: distribution cable tray RSV 50...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 2/... E3 and RDRS 2/50/... E3 for extra requirements



# CABLE TRAY SYSTEM

## Universal Splice Plate

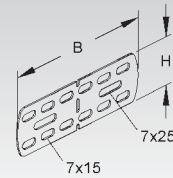
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RVV 50	44/1,7	135/5,3	4 FLM 6x12	258604	7
<b>F</b> RVV 50 F	44/1,7	135/5,3	4 FLM 6x12 F	258505	7
<b>E3</b> RVV 50 E3	44/1,7	135/5,3	4 FLM 6x12 E3	335404	7

Universal splice plate for making straight or tee connections and vertical or horizontal bends.

### 2 pieces required per joint

The all purpose splice plate can be used to make all kinds of connections and fittings like bends, tees ...

50

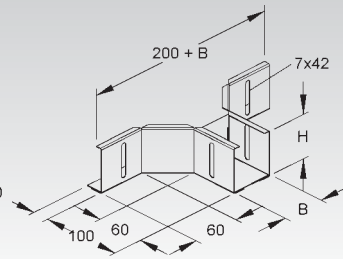


## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RTAK 35.050	35/1,4	50/2	2 FLM 6x12	210602	98
<b>S</b> RTAK 50.050	50/2	50/2	2 FLM 6x12	210701	110
<b>S</b> RTAK 50.075	50/2	75/2,9	2 FLM 6x12	210800	118
<b>S</b> RTAK 50.100	50/2	100/3,9	2 FLM 6x12	210909	135
<b>F</b> RTAK 35.050 F	35/1,4	50/2	2 FLM 6x12 F	893522	98
<b>F</b> RTAK 50.050 F	50/2	50/2	2 FLM 6x12 F	893584	110

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.076 and mini distribution cable trays RSV 50...

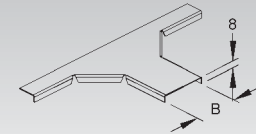
35  
50



## Cover for Horizontal Extension Tee

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> RTAKD 50	54/2,1	266609	11,7
<b>S</b> RTAKD 75	79/3,1	266708	14,4
<b>S</b> RTAKD 100	104/4,1	266807	16,7

To be used for: horizontal tee for mini cable trays RTAK ... with a side rail height of 35 mm and 50 mm hot-dip galvanized finish available on request



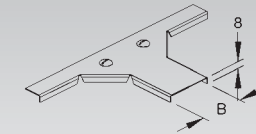
## Cover for Horizontal Extension Tee

with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> RTAKDV 50	54/2,1	276905	13,2
<b>S</b> RTAKDV 75	79/3,1	277001	15,6
<b>S</b> RTAKDV 100	104/4,1	274307	17

To be used for: horizontal tee for mini cable trays RTAK ... with a side rail height of 35 mm and 50 mm Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

hot-dip galvanized finish available on request

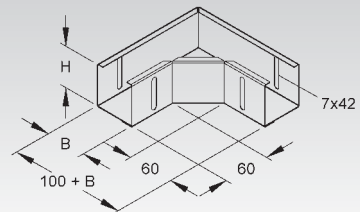


## Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RESK 35.050	35/1,4	50/2	2 FLM 6x12	210206	27,1
<b>S</b> RESK 50.050	50/2	50/2	2 FLM 6x12	210305	129
<b>S</b> RESK 50.075	50/2	75/2,9	2 FLM 6x12	210404	145
<b>S</b> RESK 50.100	50/2	100/3,9	2 FLM 6x12	210503	170
<b>F</b> RESK 35.050 F	35/1,4	50/2	2 FLM 6x12 F	893508	98
<b>F</b> RESK 50.050 F	50/2	50/2	2 FLM 6x12 F	893560	110

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.076 and mini distribution cable trays RSV 50...

35  
50

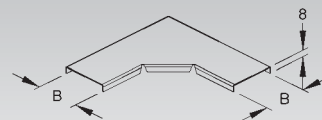


### Cover for 90° Elbow

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RESKD 50	54/2,1	265404	15,3
S RESKD 75	79/3,1	265503	22,1
S RESKD 100	104/4,1	265602	30,5

To be used for: horizontal elbow 90° for mini cable tray RESK..., with a side rail height of either 35mm or 50 mm

hot-dip galvanized finish available on request



### Cover for 90° Elbow

with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RESKDV 50	54/2,1	276004	16,8
S RESKDV 75	79/3,1	276103	23
S RESKDV 100	104/4,1	274208	32

**RESKDV 100 comes with 3 turn-bolt locks for secure fixing**

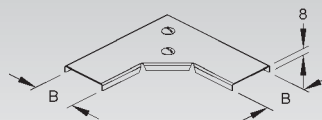
To be used for: horizontal elbow 90° for mini cable tray RESK..., with a side rail height of either 35mm or 50 mm

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

hot-dip galvanized finish available on request



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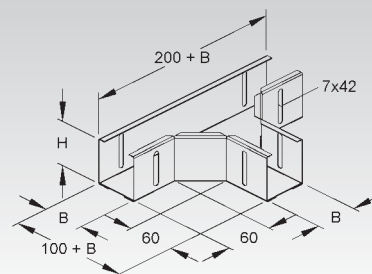
### Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTSK 35.050	35/1,4	50/2	4 FLM 6x12	211005	114
S RTSK 50.050	50/2	50/2	4 FLM 6x12	211104	129
S RTSK 50.075	50/2	75/2,9	4 FLM 6x12	211203	145
S RTSK 50.100	50/2	100/3,9	4 FLM 6x12	211302	170
F RTSK 35.050 F	35/1,4	50/2	4 FLM 6x12 F	893546	98
F RTSK 50.050 F	50/2	50/2	4 FLM 6x12 F	893607	110

To be used for: mini cable trays RL 35.50, RL 50.050 and RL 50.076 and mini distribution cable trays RSV 50...



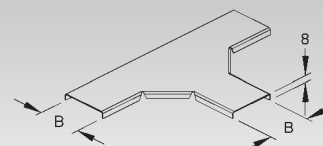
62



### Cover for Horizontal Tee

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RTSKD 50	54/2,1	267804	27,5
S RTSKD 75	79/3,1	267903	32,5
S RTSKD 100	104/4,1	268009	38,2

To be used for: horizontal tee for mini cable trays RTSK ... with a side rail height of either 35 mm or 50 mm  
hot-dip galvanized finish available on request



### Cover for Horizontal Tee

with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RTSKDV 50	54/2,1	274406	28,9
S RTSKDV 75	79/3,1	274505	34,2
S RTSKDV 100	104/4,1	274604	40,1

**RTSKDV 75 and 100 come with 3 turn-bolt locks for secure fixing**

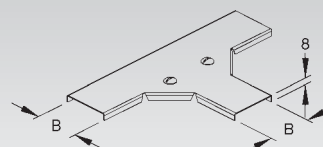
To be used for: horizontal tee for mini cable trays RTSK ... with a side rail height of either 35 mm or 50 mm

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

hot-dip galvanized finish available on request



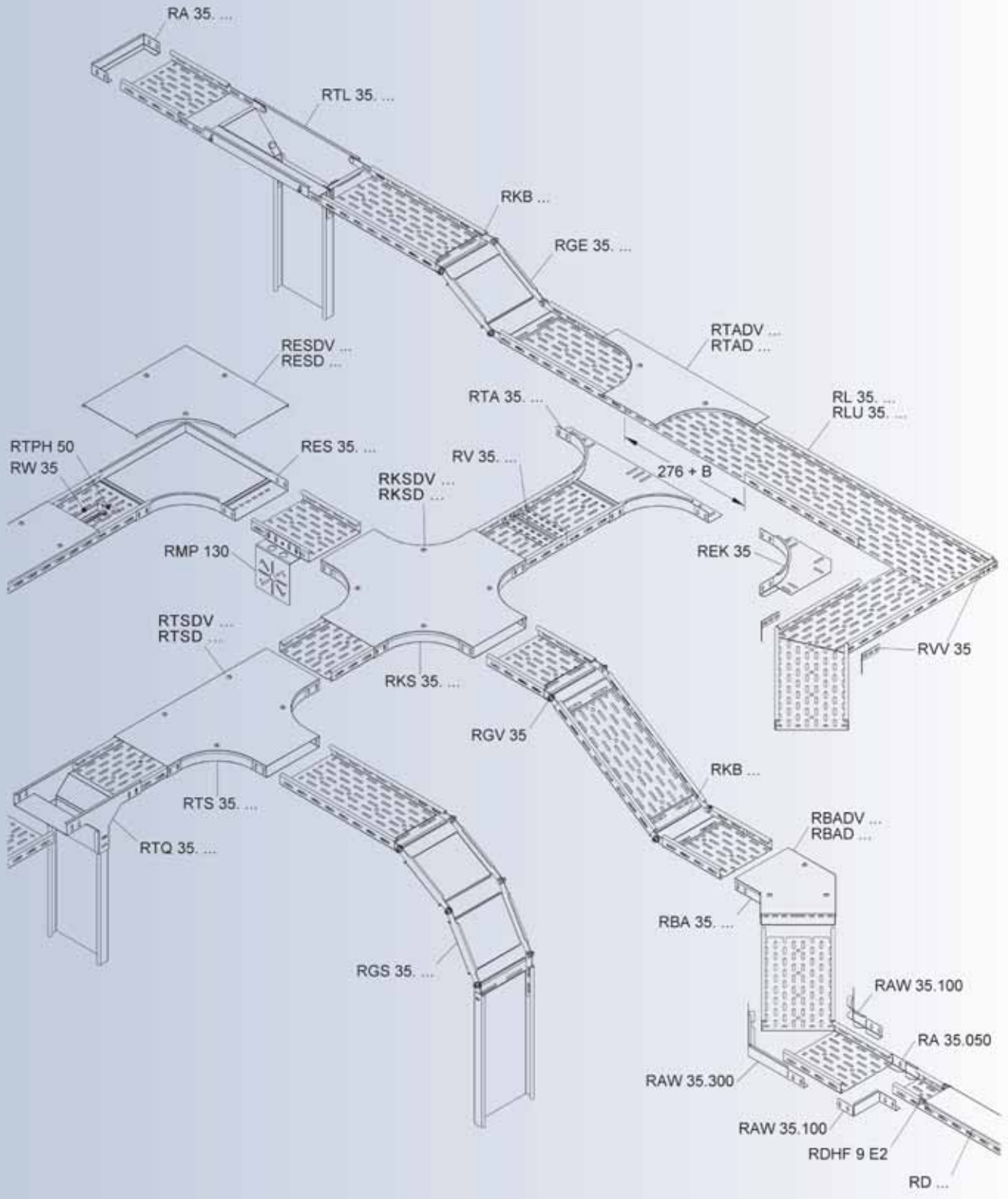
62



## Available Side Rail Heights

<b>SYSTEM</b>	Cable Tray, Light Version, ventilated	<b>RL</b>	Page 172
	Cable Tray, Light Version, non ventilated	<b>RLU</b>	Page 172
<b>ACCESSORIES</b>	Single-piece Splice Plate, u-shaped	<b>RV</b>	Page 172
	Universal Splice Plate	<b>RVV 35</b>	Page 173
	Barrier Strip	<b>RW 35</b>	Page 173
	Splice Plate for Barrier Strip	<b>RTV 35</b>	Page 173
	Mounting Plate for Barrier Strip	<b>RTPH 50</b>	Page 173
	Extension Horizontal Tee	<b>RTA</b>	Page 174
	Extension Horizontal Elbow	<b>REK</b>	Page 174
	Elbow 45°	<b>RBA</b>	Page 174
	Elbow 90°	<b>RES</b>	Page 174
	Horizontal Tee	<b>RTS</b>	Page 175
	Horizontal Cross	<b>RKS</b>	Page 175
	Offset Reducing Splice Plate	<b>RA</b>	Page 175
	Offset Reducing Splice Plate	<b>RAW</b>	Page 175
	Adjustable Splice Plate, vertical	<b>RGV</b>	Page 176
	Hinge Piece, vertical	<b>RGE</b>	Page 176
	Adjustable Elbow, vertical	<b>RGS</b>	Page 176
	Vertical Tee Down, straight	<b>RTL</b>	Page 176
	Vertical Tee Down, transverse	<b>RTQ</b>	Page 177
	Mounting Plate	<b>RMP 130</b>	Page 177
	Edge Protection Plate	<b>RKB</b>	Page 177

The covers of the cable tray system starting from page 223.





# CABLE TRAY SYSTEM

## Light Cable Tray

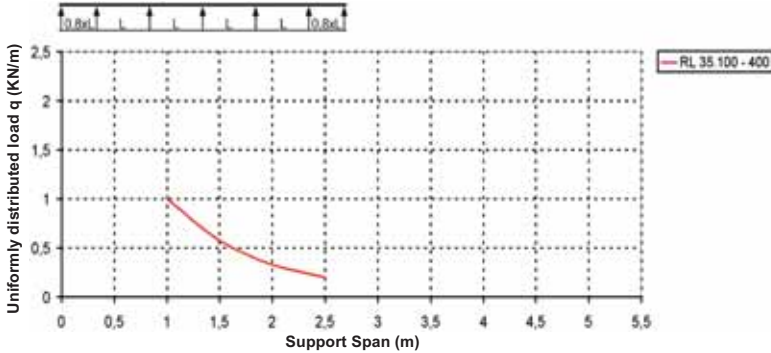
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RL 35.100	35/1,4	100/3,9	0,9	6 FLM 6x12	211708	123
S	RL 35.150	35/1,4	150/5,8	0,9	6 FLM 6x12	211906	155
S	RL 35.200	35/1,4	200/7,8	0,9	6 FLM 6x12	212101	189
S	RL 35.250	35/1,4	250/9,8	0,9	6 FLM 6x12	212309	235
S	RL 35.300	35/1,4	300/11,7	1	6 FLM 6x12	212507	275

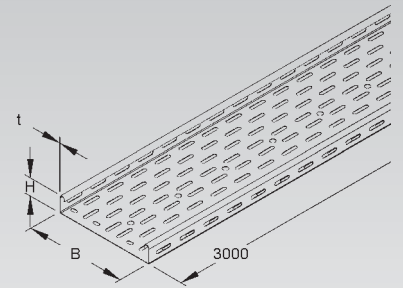
ventilated bottom and side rails, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray, perforated for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



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## Light Cable Tray

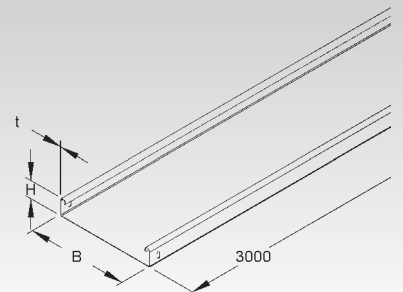
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLU 35.100	35/1,4	100/3,9	0,9	6 FLM 6x12	211807	137
S	RLU 35.150	35/1,4	150/5,8	0,9	6 FLM 6x12	212002	172
S	RLU 35.200	35/1,4	200/7,8	0,9	6 FLM 6x12	212200	208
S	RLU 35.250	35/1,4	250/9,8	0,9	6 FLM 6x12	212408	243
S	RLU 35.300	35/1,4	300/11,7	1	6 FLM 6x12	212606	278
S	RLU 35.400	35/1,4	400/15,6	1	8 FLM 6x12	212804	349

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

35



## U-shaped Single Piece Splice Plate

for additional requirements

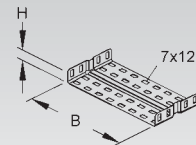
	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RV 35.100	24/0,9	97/3,8	6 FLM 6x12	271108	11
S	RV 35.150	24/0,9	147/5,7	6 FLM 6x12	271207	13
S	RV 35.200	24/0,9	197/7,7	6 FLM 6x12	271306	19
S	RV 35.250	24/0,9	247/9,6	6 FLM 6x12	271405	23
S	RV 35.300	24/0,9	297/11,6	6 FLM 6x12	271504	27
S	RV 35.400	24/0,9	397/15,5	8 FLM 6x12	271603	35

The U-shaped splice plate is easy to install. It's a time saving replacement of the classical three piece splice plate.

To be used for: cable trays RL... and RLU...

An RV type splice plate is included with every straight piece of RL or RS tray.

35



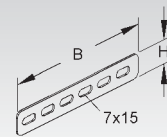
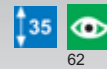
### Universal Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> <b>RVV 35</b>	22/0,9	135/5,3	4 FLM 6x12	273102	7

Universal splice plate for making straight or tee connections and vertical or horizontal bends.

#### 2 pieces required per joint

The all purpose splice plate can be used to make all kinds of connections and fittings like bends, tees ...

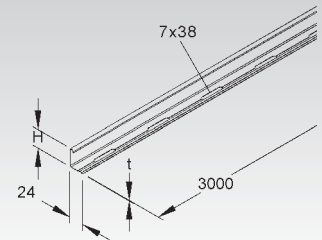
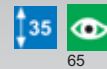


### Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> <b>RW 35</b>	30/1,2	0,75	4 FLM 6x12	213504	35

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

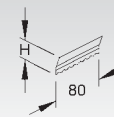


### Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> <b>RTV 35 E2</b>	29/1,1	80/3,1	213658	1

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.

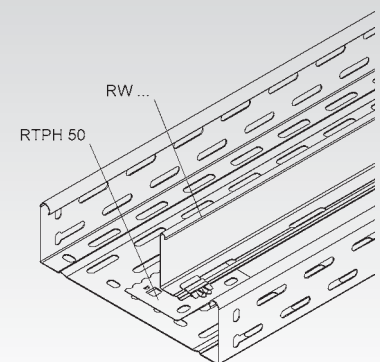
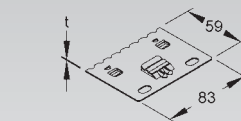


### Mounting Plate for Barrier Strip

model no.	length (A) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> <b>RTPH 50</b>	83/3,2	59/2,3	0,9	231973	4

To be used for: cable trays RL..., RS..., RLC 60... (from width of 200 mm) and distribution cable tray RSV110...

The barrier strip mounting device locks into the perforation of the tray while the barrier strip itself snaps into the latch of the device.

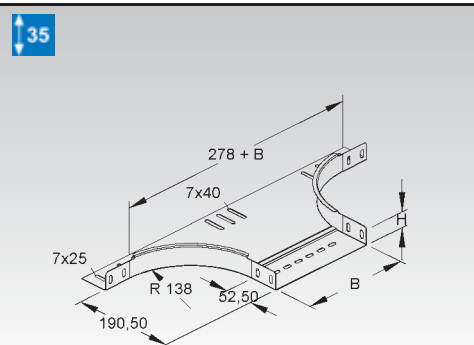


# CABLE TRAY SYSTEM

## Extension Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RTA 35.100	35/1,4	100/3,9	6 FLM 6x12	214907	59,9
S	RTA 35.150	35/1,4	150/5,8	6 FLM 6x12	215003	68,4
S	RTA 35.200	35/1,4	200/7,8	6 FLM 6x12	215102	76,8
S	RTA 35.250	35/1,4	250/9,8	6 FLM 6x12	215201	85,3
S	RTA 35.300	35/1,4	300/11,7	6 FLM 6x12	215300	93,7
S	RTA 35.400	35/1,4	400/15,6	6 FLM 6x12	215409	110,9

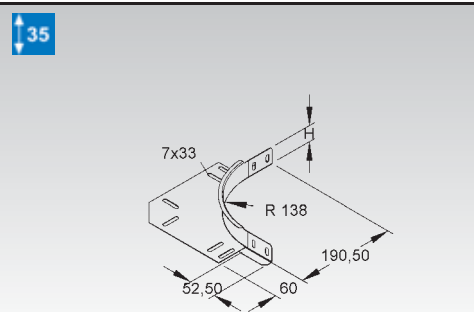
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



## Extension Horizontal Elbow

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	REK 35	35/1,4	4 FLM 6x12	215508	27,7

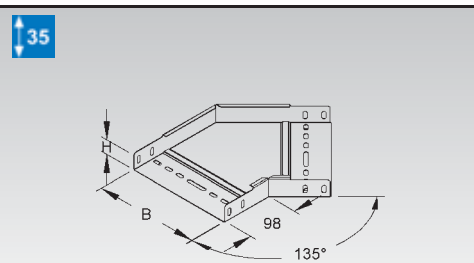
to make 90° elbows and T-fittings  
solid side rails, perforated for splices, overlapping bottom plate



## Elbow 45°

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RBA 35.100	35/1,4	100/3,9	3 FLM 6x12	213702	35,3
S	RBA 35.150	35/1,4	150/5,8	3 FLM 6x12	213801	48,7
S	RBA 35.200	35/1,4	200/7,8	3 FLM 6x12	213900	63,7
S	RBA 35.250	35/1,4	250/9,8	3 FLM 6x12	214006	80,3
S	RBA 35.300	35/1,4	300/11,7	3 FLM 6x12	214105	98,6
S	RBA 35.400	35/1,4	400/15,6	4 FLM 6x12	214204	140,1

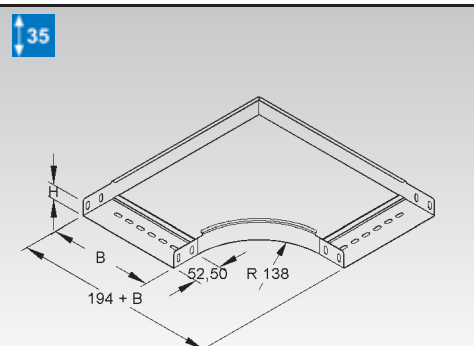
to make a horizontal 45° elbow  
solid side rails, perforated for splices, integrated splice plate



## Elbow 90°

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RES 35.100	35/1,4	100/3,9	3 FLM 6x12	214303	72,3
S	RES 35.150	35/1,4	150/5,8	3 FLM 6x12	214402	98,7
S	RES 35.200	35/1,4	200/7,8	3 FLM 6x12	214501	138,1
S	RES 35.250	35/1,4	250/9,8	3 FLM 6x12	214600	174,8
S	RES 35.300	35/1,4	300/11,7	3 FLM 6x12	214709	215,4
S	RES 35.400	35/1,4	400/15,6	4 FLM 6x12	214808	308

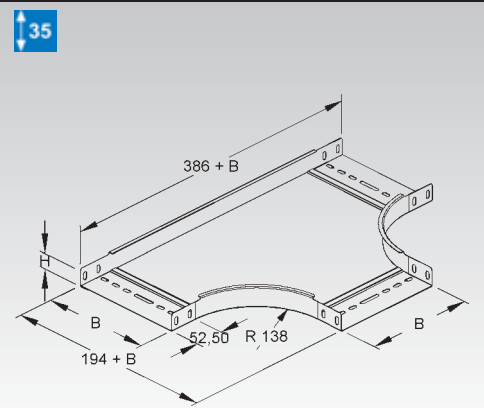
to make 90° horizontal elbows  
solid side rails, perforated for splices, integrated splice plate



### Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RTS 35.100	35/1,4	100/3,9	6 FLM 6x12	216505	96,6
S	RTS 35.150	35/1,4	150/5,8	6 FLM 6x12	216604	127,6
S	RTS 35.200	35/1,4	200/7,8	6 FLM 6x12	216703	174,9
S	RTS 35.250	35/1,4	250/9,8	6 FLM 6x12	216802	216,9
S	RTS 35.300	35/1,4	300/11,7	6 FLM 6x12	216901	262,9
S	RTS 35.400	35/1,4	400/15,6	8 FLM 6x12	217007	366,7

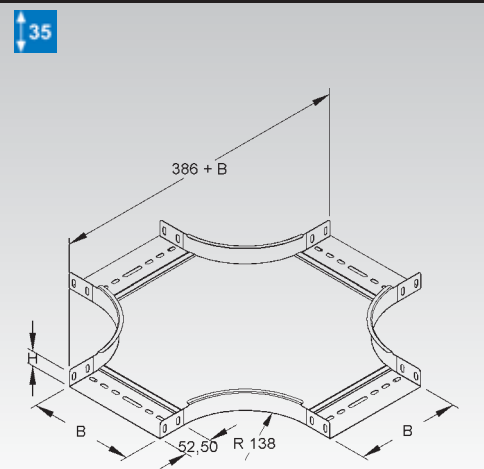
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



### Horizontal Cross

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RKS 35.100	35/1,4	100/3,9	9 FLM 6x12	217106	129,5
S	RKS 35.150	35/1,4	150/5,8	9 FLM 6x12	217205	169,1
S	RKS 35.200	35/1,4	200/7,8	9 FLM 6x12	217304	212,6
S	RKS 35.250	35/1,4	250/9,8	9 FLM 6x12	217403	260
S	RKS 35.300	35/1,4	300/11,7	9 FLM 6x12	217502	311,4
S	RKS 35.400	35/1,4	400/15,6	12 FLM 6x12	217601	425,8

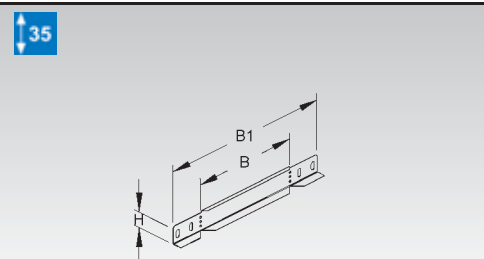
to make 90° horizontal crosses  
solid side rails, perforated for splices, integrated splice plate



### Offset Reducing Splice Plate / Blind End

	model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RA 35.050	35/1,4	50/2	172	2 FLM 6x12	219315	6
S	RA 35.150	35/1,4	150/5,8	272	2 FLM 6x12	219346	10
S	RA 35.200	35/1,4	200/7,8	322	2 FLM 6x12	219353	12
S	RA 35.250	35/1,4	250/9,8	372	2 FLM 6x12	219360	14
S	RA 35.400	35/1,4	400/15,6	522	2 FLM 6x12	219384	18

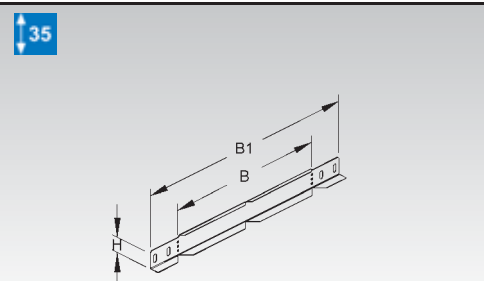
to close a dead end of a cable tray or for joining cable trays of different width.



### Adjustable Horizontal Splice Plate / Blind End

	model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RAW 35.100	35/1,4	100/3,9	222	2 FLM 6x12	219339	8
S	RAW 35.300	35/1,4	300/11,7	422	2 FLM 6x12	219377	16

to make horizontal bends  
To close a dead end of a cable tray or for joining cable trays of different width.



# CABLE TRAY SYSTEM

## Adjustable Splice Plate

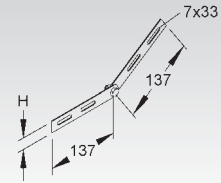
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S RGV 35</b>	22/0,9	4 FLM 6x12	215607	14,4

for making vertical bends for cable trays

2 pieces required per joint

35



## Splice/Link Kit

vertical

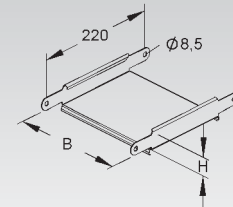
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S RGE 35.100</b>	35/1,4	100/3,9	2 SKM 8x16	218301	28
<b>S RGE 35.150</b>	35/1,4	150/5,8	2 SKM 8x16	218400	34
<b>S RGE 35.200</b>	35/1,4	200/7,8	2 SKM 8x16	218509	41
<b>S RGE 35.250</b>	35/1,4	250/9,8	2 SKM 8x16	218608	47
<b>S RGE 35.300</b>	35/1,4	300/11,7	2 SKM 8x16	218707	53
<b>S RGE 35.400</b>	35/1,4	400/15,6	2 SKM 8x16	218806	65

For linking sections of tray with a vertical displacement.

bottom blade and siderails with rounded edges for cable protection at the joints

To be used for: For enlarging the radius of RGS... and RGV vertical elbows.

35



## Adjustable Elbow

vertical

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S RGS 35.100</b>	35/1,4	100/3,9	14 FLM 6x12 + 6 SKM 8x16	217700	75
<b>S RGS 35.150</b>	35/1,4	150/5,8	14 FLM 6x12 + 6 SKM 8x16	217809	93
<b>S RGS 35.200</b>	35/1,4	200/7,8	14 FLM 6x12 + 6 SKM 8x16	217908	114
<b>S RGS 35.250</b>	35/1,4	250/9,8	14 FLM 6x12 + 6 SKM 8x16	218004	133
<b>S RGS 35.300</b>	35/1,4	300/11,7	14 FLM 6x12 + 6 SKM 8x16	218103	149
<b>S RGS 35.400</b>	35/1,4	400/15,6	14 FLM 6x12 + 6 SKM 8x16	218202	188

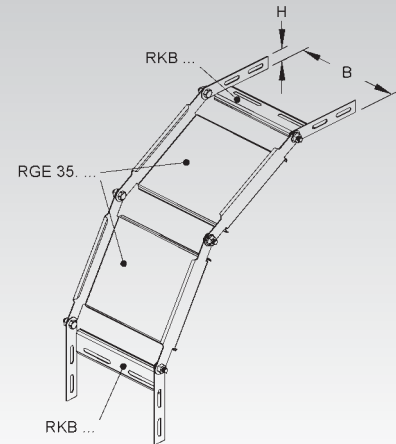
for linking sections of tray with a vertical displacement (multi piece splice)

A complete inside/outside vertical elbow kit consists of 2 x RGE..., 2 x RKB... and 2 x RGV...

bottom blade and siderails with rounded edges for cable protection at the joints

delivered as a kit (not assembled)

35



## Vertical Tee Down

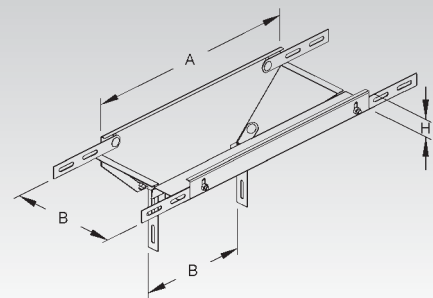
lengthwise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S RTL 35.100</b>	35/1,4	100/3,9	201	20 FLM 6x12 + 3 RGV 35	792900	67
<b>S RTL 35.150</b>	35/1,4	150/5,8	351	20 FLM 6x12 + 3 RGV 35	792924	133
<b>S RTL 35.200</b>	35/1,4	200/7,8	401	20 FLM 6x12 + 3 RGV 35	792948	164
<b>S RTL 35.250</b>	35/1,4	250/9,8	451	20 FLM 6x12 + 3 RGV 35	792962	199
<b>S RTL 35.300</b>	35/1,4	300/11,7	501	20 FLM 6x12 + 3 RGV 35	792986	238
<b>S RTL 35.400</b>	35/1,4	400/15,6	601	20 FLM 6x12 + 3 RGV 35	793006	328

Vertical Tee Down (branch-off) in longitudinal direction

Size of run and tap tray is identical.

35





## Vertical Tee Down

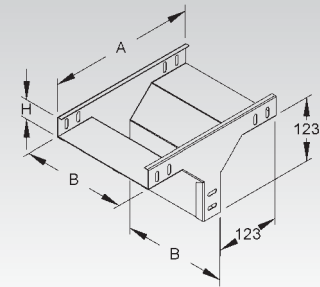
crosswise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTQ 35.100	35/1,4	100/3,9	286	6 FLM 6x12	793020	74,7
S RTQ 35.150	35/1,4	150/5,8	286	6 FLM 6x12	793044	92
S RTQ 35.200	35/1,4	200/7,8	286	6 FLM 6x12	793068	109,3
S RTQ 35.250	35/1,4	250/9,8	286	6 FLM 6x12	793082	126,5
S RTQ 35.300	35/1,4	300/11,7	286	6 FLM 6x12	793105	143,8
S RTQ 35.400	35/1,4	400/15,6	286	8 FLM 6x12	793129	178,4

Vertical Tee Down (branch-off) in transverse direction

Size of run and tap tray is identical.

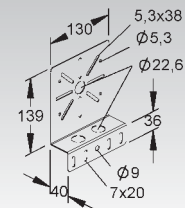
35



## Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
S RMP 130	2 FLM 6x12	206148	50

for mounting distribution or junction boxes



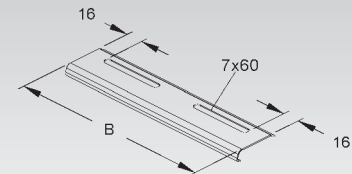
## Edge Protection Plate

model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RKB 100	92/3,6	1 FLM 6x12	270200	5
S RKB 150	142/5,5	2 FLM 6x12	270309	8
S RKB 200	192/7,5	2 FLM 6x12	270408	10
S RKB 250	242/9,4	2 FLM 6x12	270507	13
S RKB 300	292/11,4	2 FLM 6x12	270606	15
S RKB 400	392/15,3	2 FLM 6x12	270705	20

to reinforce the bottom of cable trays  
with rounded edges to protect cables at the joint

**To prevent accidents and injuries you must install edge protection plates! Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.**

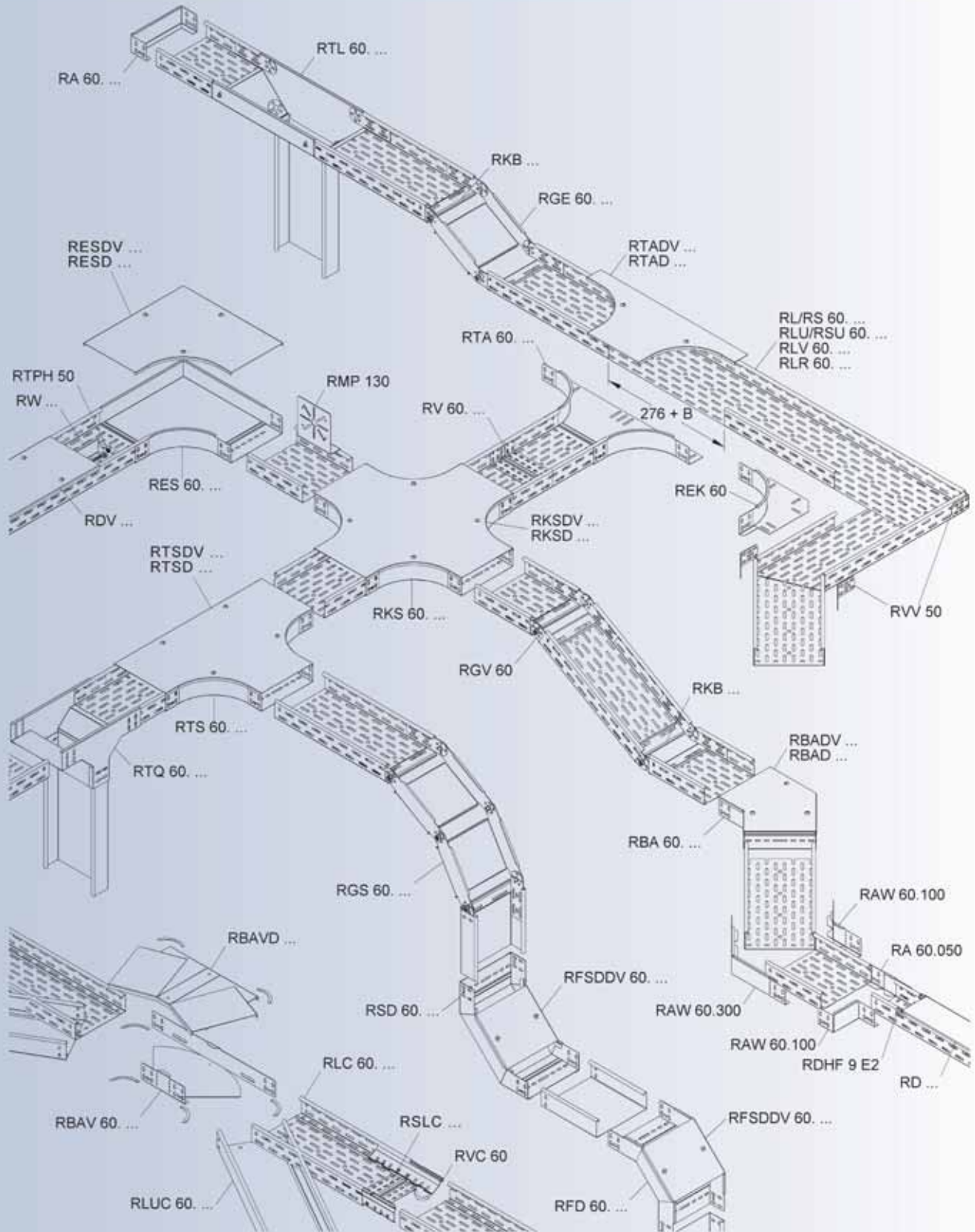
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## Available Side Rail Heights

<b>SYSTEM</b>	Cable Tray, light version, ventilated with integrated molded splice plate	<b>RLV</b>	Page 181
	Cable Tray, light version, ventilated	<b>RLR</b>	Page 181
	Cable Tray, light version, ventilated	<b>RL</b>	Page 182
	Cable Tray, light version, non ventilated	<b>RLU</b>	Page 182
	Cable Tray, heavy duty version, ventilated	<b>RS</b>	Page 183
	Cable Tray, heavy duty version, non ventilated	<b>RSU</b>	Page 183
	Cable Tray, heavy duty version, ventilated	<b>RSS</b>	Page 184
	Cable Tray, heavy duty version, non ventilated	<b>RSUS</b>	Page 184
<b>ACCESSORIES</b>	U-Shaped Single-Piece Splice Plate	<b>RV</b>	Page 184
	Straight Splice Plate	<b>RVA 60</b>	Page 185
	Vertical Adjustable Splice Plate	<b>RWVA 60</b>	Page 185
	Adjustable Splice Plate	<b>RGVA 60</b>	Page 185
	Cable Tray, light version, ventilated	<b>RLC</b>	Page 185
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	Boltless Splice Plate	<b>RVC 60</b>	Page 186
	Bottom Connection Plate	<b>RSLC</b>	Page 186
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	Barrier Strip	<b>RW 50+60</b>	Page 187
	Splice Plate for Barrier Strip	<b>RTV 50+60</b>	Page 187
	Mounting Plate for Barrier Strip	<b>RTPH 50</b>	Page 187
	Extension Horizontal Tee	<b>RTA</b>	Page 188
	Extension Horizontal Elbow	<b>REK</b>	Page 188
	Flexible Horizontal Elbow	<b>RBAV</b>	Page 188
	Elbow 45°	<b>RBA</b>	Page 189
	Elbow 90°	<b>RES</b>	Page 189
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	Horizontal Cross	<b>RKS</b>	Page 190
	Offset Reducing Splice Plate	<b>RA</b>	Page 190
	Offset Reducing Splice Plate	<b>RAW</b>	Page 191
	Adjustable Splice Plate, vertical	<b>RGV</b>	Page 191
	Hinge Piece, vertical	<b>RGE</b>	Page 191
	Adjustable Elbow, vertical	<b>RGS</b>	Page 192
	Vertical Inside Elbow	<b>RSD</b>	Page 192
	Vertical Outside Elbow	<b>RFD</b>	Page 192
	Vertical Tee Down, straight	<b>RTL</b>	Page 193
	Vertical Tee Down, transverse	<b>RTQ</b>	Page 193
	Mounting Plate	<b>RMP 130</b>	Page 193
	Edge Protection Plate	<b>RKB</b>	Page 194

The covers of the cable tray system starting from page 223.





# CABLE TRAY SYSTEM

## Load / Span Class Designation in accordance with NEMA VE 1 and CSA E22.2 No. 126.1

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
RLVX 60.100, ... E3, ... E5	141 / 0.22	129 / 0.2	66 / 44.3	2 / 6.6	A
RLVX 60.150	179 / 0.28	129 / 0.2	66 / 44.3	2 / 6.6	A
RLVX 60.200, ... E3, ... E5	198 / 0.31	129 / 0.2	66 / 44.3	2 / 6.6	A
RLVX 60.300, ... E3, ... E5	216 / 0.33	129 / 0.2	66 / 44.3	2 / 6.6	A
RLVX 60.400, ... E3, ... E5	285 / 0.44	258 / 0.4	126.5 / 85.0	2 / 6.6	8A, A
RLVX 60.500	324 / 0.50	258 / 0.4	126.5 / 85.0	2 / 6.6	8A, A
RLVX 60.600	388 / 0.60	258 / 0.4	126.5 / 85.0	2 / 6.6	8A, A
RLX 60.100, ... F	169 / 0.26	129 / 0.2	93 / 62.5	2 / 6.6	A
RLX 60.150, ... F	202 / 0.31	129 / 0.2	93 / 62.5	2 / 6.6	A
RLX 60.200, ... F	234 / 0.36	129 / 0.2	93 / 62.5	2 / 6.6	A
RLX 60.250, ... F	296 / 0.46	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 60.300, ... F	332 / 0.51	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 60.400, ... F	404 / 0.63	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 60.500, ... F	476 / 0.74	452 / 0.7	93 / 62.5	2 / 6.6	A
RLX 60.600, ... F	548 / 0.85	452 / 0.7	93 / 62.5	2 / 6.6	A
RLX 60.500 E3	428 / 0.66	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 60.600 E3	493 / 0.76	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 60.100, ... F	220 / 0.34	129 / 0.2	93 / 62.5	2 / 6.6	A
RLUX 60.150, ... F	265 / 0.41	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.200, ... F	310 / 0.48	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.250, ... F	394 / 0.61	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.300, ... F	444 / 0.69	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.400, ... F	544 / 0.84	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 60.500, ... F	644 / 1.00	645 / 1.0	93 / 62.5	2 / 6.6	A
RLUX 60.600, ... F	744 / 1.15	645 / 1.0	93 / 62.5	2 / 6.6	A
RLUX 60.100 E3	195 / 0.30	129 / 0.2	93 / 62.5	2 / 6.6	A
RLUX 60.200 E3	275 / 0.43	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.300 E3	355 / 0.55	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.400 E3	435 / 0.67	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 60.500 E3	580 / 0.90	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 60.600 E3	670 / 1.04	645 / 1.0	93 / 62.5	2 / 6.6	A
RSX 60.100, ... F	278 / 0.43	258 / 0.4	173 / 116.3	2 / 6.6	8A, C
RSX 60.200, ... F	386 / 0.60	258 / 0.4	173 / 116.3	2 / 6.6	8A, C
RSX 60.300, ... F	494 / 0.77	452 / 0.7	173 / 116.3	2 / 6.6	8A, C
RSX 60.400, ... F	602 / 0.93	452 / 0.7	173 / 116.3	2 / 6.6	8A, C
RSX 60.500, ... F	710 / 1.10	645 / 1.0	173 / 116.3	2 / 6.6	8A, C
RSX 60.600, ... F	818 / 1.27	645 / 1.0	173 / 116.3	2 / 6.6	8A, C
RSUX 60.100, ... F	362 / 0.56	258 / 0.4	173 / 116.3	2 / 6.6	8A, C
RSUX 60.200, ... F	512 / 0.79	452 / 0.7	173 / 116.3	2 / 6.6	8A, C
RSUX 60.300, ... F	662 / 1.03	645 / 1.0	173 / 116.3	2 / 6.6	8A, C
RSUX 60.400, ... F	812 / 1.26	645 / 1.0	173 / 116.3	2 / 6.6	8A, C
RSUX 60.500, ... F	962 / 1.49	645 / 1.0	173 / 116.3	2 / 6.6	8A, C
RSUX 60.600, ... F	1112 / 1.72	968 / 1.5	173 / 116.3	2 / 6.6	8A, C
RLCX 60.100, ... F	169 / 0.26	129 / 0.2	53 / 35.6	2 / 6.6	-
RLCX 60.150, ... F	202 / 0.31	129 / 0.2	53 / 35.6	2 / 6.6	-
RLCX 60.200, ... F	234 / 0.36	129 / 0.2	53 / 35.6	2 / 6.6	-
RLCX 60.250, ... F	296 / 0.46	258 / 0.4	53 / 35.6	2 / 6.6	-
RLCX 60.300, ... F	332 / 0.51	258 / 0.4	53 / 35.6	2 / 6.6	-
RLCX 60.400, ... F	404 / 0.63	258 / 0.4	120 / 80.6	2 / 6.6	A
RLCX 60.500, ... F	476 / 0.74	452 / 0.7	120 / 80.6	2 / 6.6	A
RLCX 60.600, ... F	548 / 0.85	452 / 0.7	177 / 118.9	2 / 6.6	8A, C
RLUCX 60.100, ... F	220 / 0.34	129 / 0.2	53 / 35.6	2 / 6.6	-
RLUCX 60.150, ... F	265 / 0.41	258 / 0.4	53 / 35.6	2 / 6.6	-
RLUCX 60.200, ... F	310 / 0.48	258 / 0.4	53 / 35.6	2 / 6.6	-
RLUCX 60.250, ... F	394 / 0.61	258 / 0.4	53 / 35.6	2 / 6.6	-
RLUCX 60.300, ... F	444 / 0.69	258 / 0.4	53 / 35.6	2 / 6.6	-
RLUCX 60.400, ... F	544 / 0.84	453 / 0.7	120 / 80.6	2 / 6.6	A
RLUCX 60.500, ... F	644 / 1.00	645 / 1.0	120 / 80.6	2 / 6.6	A
RLUCX 60.600, ... F	744 / 1.15	645 / 1.0	177 / 118.9	2 / 6.6	8A, C

## Light Cable Tray

ventilated, with integrated molded splice plate

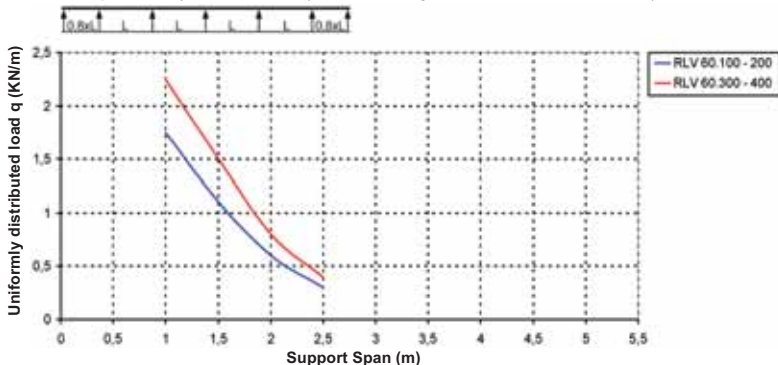
	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLV 60.100	60/2,3	100/3,9	0,75	2 FLM 6x12	257300	130
S	RLV 60.150	60/2,3	150/5,8	0,75	2 FLM 6x12	257355	155
S	RLV 60.200	60/2,3	200/7,8	0,75	2 FLM 6x12	257409	187
S	RLV 60.300	60/2,3	300/11,7	0,75	2 FLM 6x12	252558	244
S	RLV 60.400	60/2,3	400/15,6	0,9	2 FLM 6x12	257607	307
E3	RLV 60.100 E3	60/2,3	100/3,9	0,8	2 FLM 6x12 E3	331000	130
E3	RLV 60.200 E3	60/2,3	200/7,8	0,8	2 FLM 6x12 E3	331109	187
E3	RLV 60.300 E3	60/2,3	300/11,7	0,8	2 FLM 6x12 E3	331208	244
E3	RLV 60.400 E3	60/2,3	400/15,6	0,8	2 FLM 6x12 E3	331307	307
E5	RLV 60.100 E5	60/2,3	100/3,9	0,8	2 FLM 6x12 E5	729609	130
E5	RLV 60.200 E5	60/2,3	200/7,8	0,8	2 FLM 6x12 E5	729708	187
E5	RLV 60.300 E5	60/2,3	300/11,7	0,8	2 FLM 6x12 E5	729807	244
E5	RLV 60.400 E5	60/2,3	400/15,6	0,8	2 FLM 6x12 E5	729852	300

bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

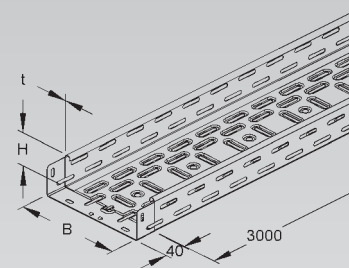
The embedded splice plate with snap in connectors in the bottom of the tray guarantees a fast and easy installation.

Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



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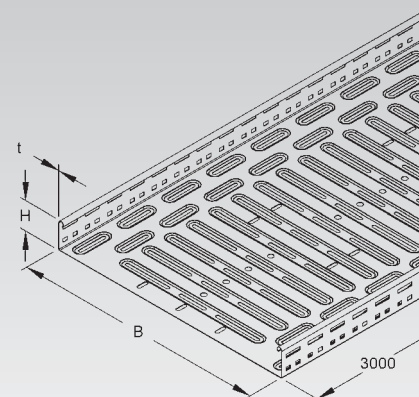
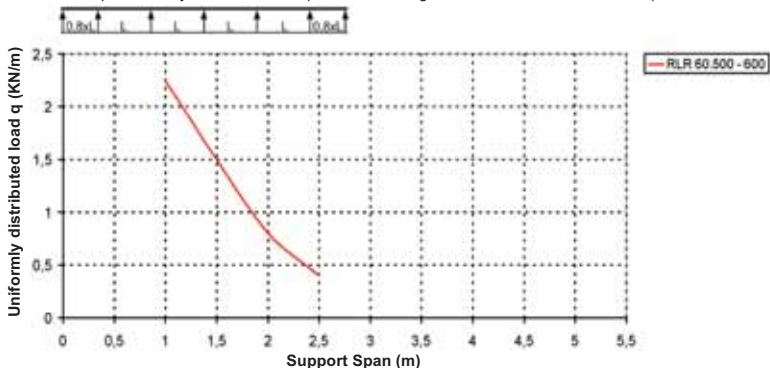
## Light Cable Tray

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLR 60.500	60/2,3	500/19,5	0,9	12 FLM 6x12	903955	370
S	RLR 60.600	60/2,3	600/23,4	0,9	12 FLM 6x12	903979	433

ventilated bottom and side rails, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray, perforated for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)





# CABLE TRAY SYSTEM

## Light Cable Tray

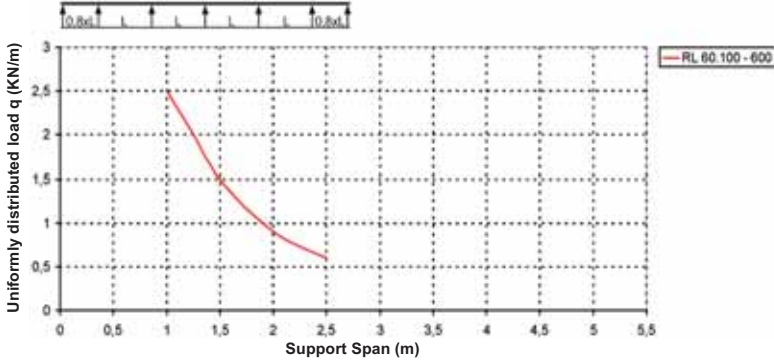
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RL 60.100	60/2,3	100/3,9	0,9	8 FLM 6x12	219407	159
S	RL 60.150	60/2,3	150/5,8	0,9	8 FLM 6x12	219605	187
S	RL 60.200	60/2,3	200/7,8	0,9	8 FLM 6x12	219803	240
S	RL 60.250	60/2,3	250/9,8	1	10 FLM 6x12	220007	272
S	RL 60.300	60/2,3	300/11,7	1	10 FLM 6x12	220205	305
S	RL 60.400	60/2,3	400/15,6	1	12 FLM 6x12	220502	364
S	RL 60.500	60/2,3	500/19,5	1	12 FLM 6x12	220809	450
S	RL 60.600	60/2,3	600/23,4	1	12 FLM 6x12	221004	530
F	RL 60.100 F	60/2,3	100/3,9	0,9	8 FLM 6x12 F	221202	159
F	RL 60.200 F	60/2,3	200/7,8	0,9	8 FLM 6x12 F	221509	240
F	RL 60.300 F	60/2,3	300/11,7	1	10 FLM 6x12 F	221806	305
F	RL 60.400 F	60/2,3	400/15,6	1	12 FLM 6x12 F	222001	364
F	RL 60.500 F	60/2,3	500/19,5	1	12 FLM 6x12 F	222209	450
F	RL 60.600 F	60/2,3	600/23,4	1	12 FLM 6x12 F	222407	530
E3	RL 60.500 E3	60/2,3	500/19,5	0,9	12 FLM 6x12 E3	331406	387
E3	RL 60.600 E3	60/2,3	600/23,4	0,9	12 FLM 6x12 E3	331505	464

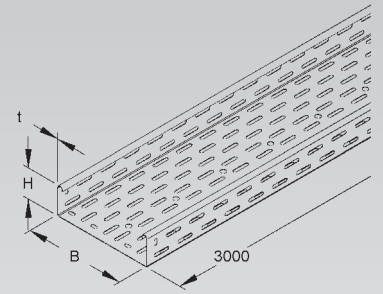
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



60



## Light Cable Tray

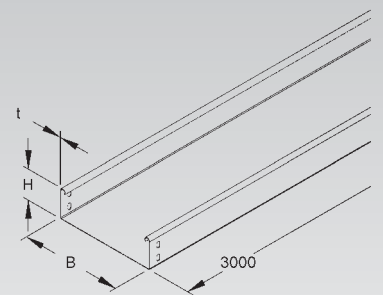
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLU 60.100	60/2,3	100/3,9	0,9	8 FLM 6x12	219506	172
S	RLU 60.150	60/2,3	150/5,8	0,9	8 FLM 6x12	219704	208
S	RLU 60.200	60/2,3	200/7,8	0,9	8 FLM 6x12	219902	243
S	RLU 60.250	60/2,3	250/9,8	1	10 FLM 6x12	220106	278
S	RLU 60.300	60/2,3	300/11,7	1	10 FLM 6x12	220304	314
S	RLU 60.400	60/2,3	400/15,6	1	12 FLM 6x12	220601	384
S	RLU 60.500	60/2,3	500/19,5	1	12 FLM 6x12	220908	506
S	RLU 60.600	60/2,3	600/23,4	1	12 FLM 6x12	221103	584
F	RLU 60.100 F	60/2,3	100/3,9	0,9	8 FLM 6x12 F	221301	185
F	RLU 60.200 F	60/2,3	200/7,8	0,9	8 FLM 6x12 F	221608	261,5
F	RLU 60.300 F	60/2,3	300/11,7	1	10 FLM 6x12 F	221905	337,5
F	RLU 60.400 F	60/2,3	400/15,6	1	12 FLM 6x12 F	222100	413
F	RLU 60.500 F	60/2,3	500/19,5	1	12 FLM 6x12 F	222308	544
F	RLU 60.600 F	60/2,3	600/23,4	1	12 FLM 6x12 F	222506	628
E3	RLU 60.100 E3	60/2,3	100/3,9	0,8	8 FLM 6x12 E3	331604	159
E3	RLU 60.200 E3	60/2,3	200/7,8	0,8	8 FLM 6x12 E3	331703	215
E3	RLU 60.300 E3	60/2,3	300/11,7	0,8	10 FLM 6x12 E3	331802	292
E3	RLU 60.400 E3	60/2,3	400/15,6	0,8	12 FLM 6x12 E3	331901	352
E3	RLU 60.500 E3	60/2,3	500/19,5	0,9	12 FLM 6x12 E3	332007	472
E3	RLU 60.600 E3	60/2,3	600/23,4	0,9	12 FLM 6x12 E3	332106	539

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

60



## Heavy Duty Cable Tray

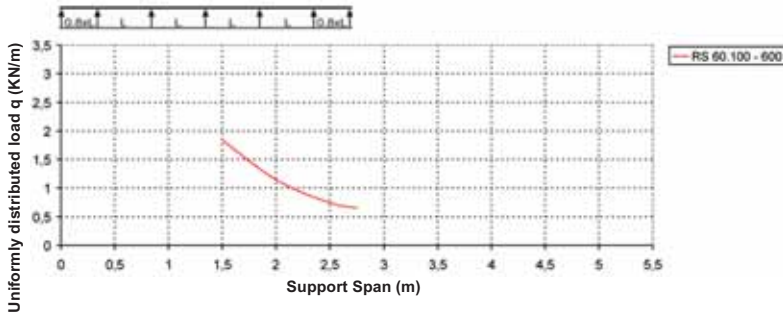
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RS 60.100	60/2,3	100/3,9	1,5	8 FLM 6x12	222605	260
S	RS 60.200	60/2,3	200/7,8	1,5	8 FLM 6x12	222803	350
S	RS 60.300	60/2,3	300/11,7	1,5	10 FLM 6x12	223008	464
S	RS 60.400	60/2,3	400/15,6	1,5	12 FLM 6x12	223206	560
S	RS 60.500	60/2,3	500/19,5	1,5	12 FLM 6x12	223404	704
S	RS 60.600	60/2,3	600/23,4	1,5	12 FLM 6x12	223602	787
F	RS 60.100 F	60/2,3	100/3,9	1,5	8 FLM 6x12 F	223800	260
F	RS 60.200 F	60/2,3	200/7,8	1,5	8 FLM 6x12 F	224005	350
F	RS 60.300 F	60/2,3	300/11,7	1,5	10 FLM 6x12 F	224203	464
F	RS 60.400 F	60/2,3	400/15,6	1,5	12 FLM 6x12 F	224401	560
F	RS 60.500 F	60/2,3	500/19,5	1,5	12 FLM 6x12 F	224609	704
F	RS 60.600 F	60/2,3	600/23,4	1,5	12 FLM 6x12 F	224807	787

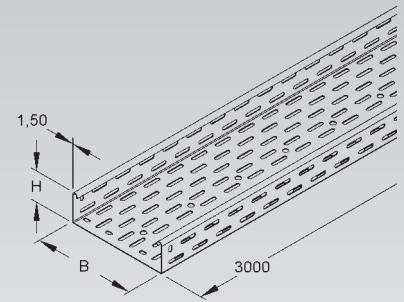
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



60



## Heavy Duty Cable Tray

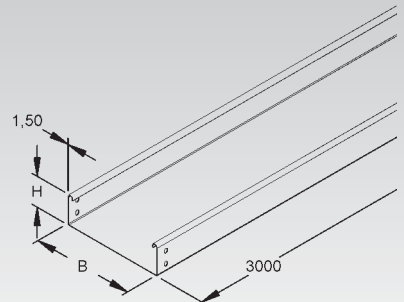
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RSU 60.100	60/2,3	100/3,9	1,5	8 FLM 6x12	222704	284
S	RSU 60.200	60/2,3	200/7,8	1,5	8 FLM 6x12	222902	402
S	RSU 60.300	60/2,3	300/11,7	1,5	10 FLM 6x12	223107	519
S	RSU 60.400	60/2,3	400/15,6	1,5	12 FLM 6x12	223305	637
S	RSU 60.500	60/2,3	500/19,5	1,5	12 FLM 6x12	223503	755
S	RSU 60.600	60/2,3	600/23,4	1,5	12 FLM 6x12	223701	873
F	RSU 60.100 F	60/2,3	100/3,9	1,5	8 FLM 6x12 F	223909	305,5
F	RSU 60.200 F	60/2,3	200/7,8	1,5	8 FLM 6x12 F	224104	432,5
F	RSU 60.300 F	60/2,3	300/11,7	1,5	10 FLM 6x12 F	224302	558
F	RSU 60.400 F	60/2,3	400/15,6	1,5	12 FLM 6x12 F	224500	685
F	RSU 60.500 F	60/2,3	500/19,5	1,5	12 FLM 6x12 F	224708	811,5
F	RSU 60.600 F	60/2,3	600/23,4	1,5	12 FLM 6x12 F	224906	938,5

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

60



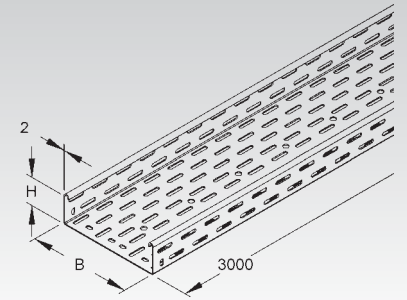
# CABLE TRAY SYSTEM

## Heavy Duty Cable Tray

ventilated, splice plate not included

	model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg	
		mm/Inch	mm/Inch	mm/Inch			
★	F	RSS 60.100 OVF	60/2,3	100/3,9	2	915248	
★	F	RSS 60.200 OVF	60/2,3	200/7,8	2	915262	
★	F	RSS 60.300 OVF	60/2,3	300/11,7	2	915286	
★	F	RSS 60.400 OVF	60/2,3	400/15,6	2	915309	
★	F	RSS 60.500 OVF	60/2,3	500/19,5	2	915323	
★	F	RSS 60.600 OVF	60/2,3	600/23,4	2	915347	

60

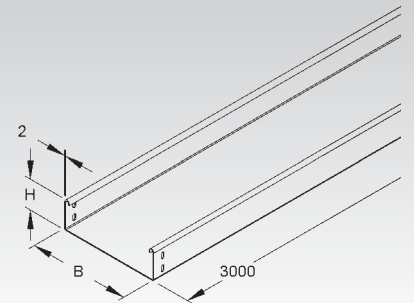


## Heavy Duty Cable Tray

solid, splice plate not included

	model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg	
		mm/Inch	mm/Inch	mm/Inch			
★	F	RSUS 60.100OVF	60/2,3	100/3,9	2	915255	401,7
★	F	RSUS 60.200OVF	60/2,3	200/7,8	2	915279	570,4
★	F	RSUS 60.300OVF	60/2,3	300/11,7	2	915293	739,1
★	F	RSUS 60.400OVF	60/2,3	400/15,6	2	915316	907,8
★	F	RSUS 60.500OVF	60/2,3	500/19,5	2	915330	1076,6
★	F	RSUS 60.600OVF	60/2,3	600/23,4	2	915354	1245,3

60

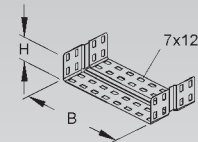


## U-shaped Single Piece Splice Plate

for additional requirements

	model no.	height (H)	width B	acc. incl.	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch			
S	RV 60.100	49/1,9	97/3,8	8 FLM 6x12	271702	13
S	RV 60.120	49/1,9	117/4,6	8 FLM 6x12	271757	
S	RV 60.150	49/1,9	147/5,7	8 FLM 6x12	271801	19
S	RV 60.200	49/1,9	197/7,7	10 FLM 6x12	271900	23
S	RV 60.250	49/1,9	247/9,6	10 FLM 6x12	272006	27
S	RV 60.300	49/1,9	297/11,6	10 FLM 6x12	272105	31
S	RV 60.400	49/1,9	397/15,5	12 FLM 6x12	272204	35
S	RV 60.500	49/1,9	497/19,4	12 FLM 6x12	272303	39
S	RV 60.600	49/1,9	597/23,3	12 FLM 6x12	272402	47
F	RV 60.100 F	49/1,9	97/3,8	8 FLM 6x12 F	540808	13
F	RV 60.150 F	49/1,9	147/5,7	8 FLM 6x12 F	540853	19
F	RV 60.200 F	49/1,9	197/7,7	10 FLM 6x12 F	540907	23
F	RV 60.300 F	49/1,9	297/11,6	10 FLM 6x12 F	541003	31
F	RV 60.400 F	49/1,9	397/15,5	12 FLM 6x12 F	541102	35
F	RV 60.500 F	49/1,9	497/19,4	12 FLM 6x12 F	541201	39
F	RV 60.600 F	49/1,9	597/23,3	12 FLM 6x12 F	541300	47
E3	RV 60.100 E3	49/1,9	97/3,8	8 FLM 6x12 E3	336159	11
E3	RV 60.200 E3	49/1,9	197/7,7	10 FLM 6x12 E3	920259	17
E3	RV 60.300 E3	49/1,9	297/11,6	10 FLM 6x12 E3	920266	24
E3	RV 60.400 E3	49/1,9	397/15,5	12 FLM 6x12 E3	920273	30
E3	RV 60.500 E3	49/1,9	497/19,4	12 FLM 6x12 E3	920280	36
E3	RV 60.600 E3	49/1,9	597/23,3	12 FLM 6x12 E3	920297	42

60



The U-shaped splice plate is easy to install. It's a time saving replacement of the classical three piece splice plate.

To be used for: cable trays RL... and RLU..., RLR... and RS... and RSU...

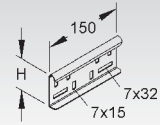
An RV type splice plate is included with every straight piece of RL or RS tray.

### Straight Splice Plate

model no.	EAN code	Weight per 100 pc. kg
★ F RVA 60 F	934386	

To be used for: cable trays RSS... and RSUS...

60

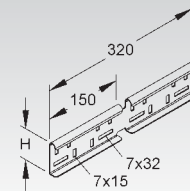


### Adjustable Horizontal Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
★ F RWVA 60 F	60/2,3	934393	

To be used for: cable trays RSS... and RSUS...

60

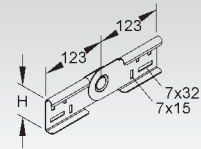


### Adjustable Vertical Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
★ F RGVA 60 F	60/2,3	227846	

To be used for: cable trays RSS... and RSUS...

60



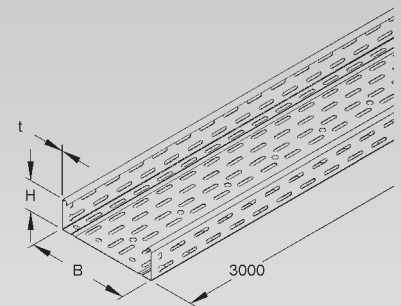
### Light Cable Tray

ventilated

60



model no.	height (H) mm/Inch	width B mm/Inch	thickness (t) mm/Inch	EAN code	Weight per 100 m kg
★ S RLC 60.070	60/2,3	70/2,7	0,9	881406	138
★ S RLC 60.100	60/2,3	100/3,9	0,9	870202	158
★ S RLC 60.120	60/2,3	120/4,7	0,9	870233	171
★ S RLC 60.150	60/2,3	150/5,8	0,9	870240	186
★ S RLC 60.200	60/2,3	200/7,8	0,9	870288	240
★ S RLC 60.250	60/2,3	250/9,8	1	870325	271
★ S RLC 60.300	60/2,3	300/11,7	1	870363	305
★ S RLC 60.400	60/2,3	400/15,6	1	870400	363
★ S RLC 60.500	60/2,3	500/19,5	1	870448	450
★ S RLC 60.600	60/2,3	600/23,4	1	870486	530

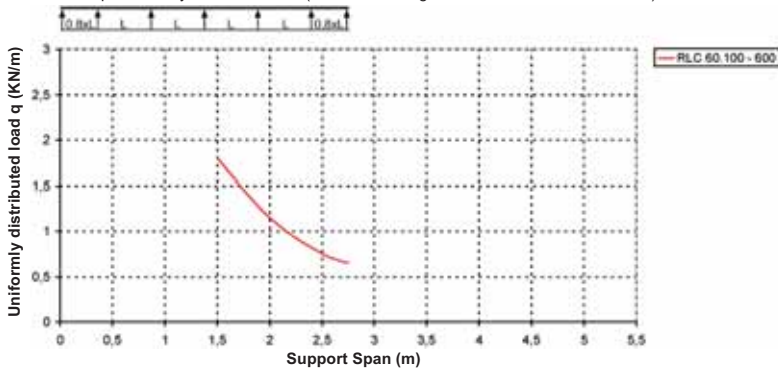


bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

The snug snap-in of the boltless splice plate type RVC 60 in between the reinforcing fin in the bottom of the tray and the side rail allows fast and easy installation with a proper fit.

Two boltless splice plates RVC 60 are included with every straight section of RLC or RLUC cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



# CABLE TRAY SYSTEM

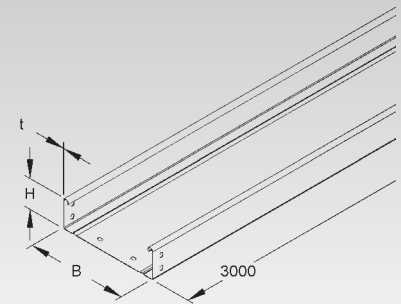
## Light Cable Tray

solid

model no.	height (H)	width B	thick-ness (t)	EAN code	Weight per 100 m kg
★ S RLuc 60.070	60/2,3	70/2,7	0,9	881451	151
★ S RLuc 60.100	60/2,3	100/3,9	0,9	870226	196
★ S RLuc 60.120	60/2,3	120/4,7	0,9	903504	186
★ S RLuc 60.150	60/2,3	150/5,8	0,9	870264	230
★ S RLuc 60.200	60/2,3	200/7,8	0,9	870301	300
★ S RLuc 60.250	60/2,3	250/9,8	1	870349	340
★ S RLuc 60.300	60/2,3	300/11,7	1	870387	381
★ S RLuc 60.400	60/2,3	400/15,6	1	870424	453
★ S RLuc 60.500	60/2,3	500/19,5	1	870462	561
★ S RLuc 60.600	60/2,3	600/23,4	1	870509	661

with perforation for splices. The boltless splice plate type RVC 60 snaps in between the reinforcing fin in the bottom of the tray and the return flange of the side rail for a perfect lengthwise fit.

Two boltless splice plates RVC 60 are included with every straight section of RLC or RLuc cable tray.



## Boltless Splice Plate

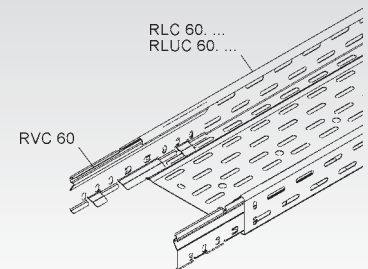
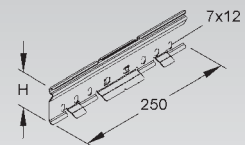
for additional requirements

model no.	height (H)	EAN code	Weight per 100 pc. kg
	mm/Inch		
★ S RVC 60	60/2,3	870523	17,3

**2 pieces required per joint**

To be used for: cable trays RLC 60... and RLuc 60...

Boltless splice for equipotential bonding and a perfect lengthwise fit of RLC... and RLuc... type cable tray. Easy mounting guaranteed by inserting into both side rails of the cable tray.

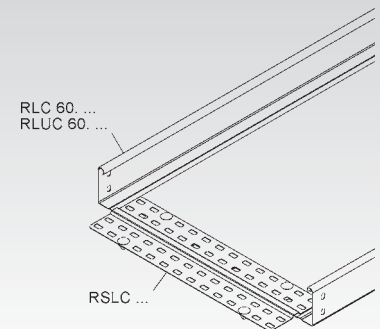
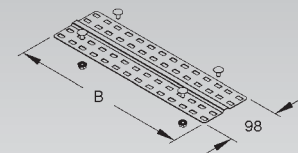


## Bottom Connection Plate

model no.	width B	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
★ S RSLC 400	339/13,2	4 FLM 6x12	870608	25
★ S RSLC 500	439/17,1	4 FLM 6x12	870639	32
★ S RSLC 600	539/21	4 FLM 6x12	870660	39

for stabilizing the bottom plate of cable trays

To be used for: RLC 60... and RLuc 60... type of tray





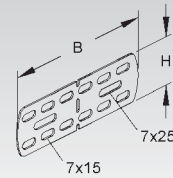
### Universal Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RVV 50	44/1,7	135/5,3	4 FLM 6x12	258604	7
<b>F</b> RVV 50 F	44/1,7	135/5,3	4 FLM 6x12 F	258505	7
<b>E3</b> RVV 50 E3	44/1,7	135/5,3	4 FLM 6x12 E3	335404	7
<b>E5</b> RVV 50 E5	44/1,7	135/5,3	4 FLM 6x12 E5	729906	7

Universal splice plate for making straight or tee connections and vertical or horizontal bends.

#### 2 pieces required per joint

The all purpose splice plate can be used to make all kinds of connections and fittings like bends, tees ...



### Barrier Strip

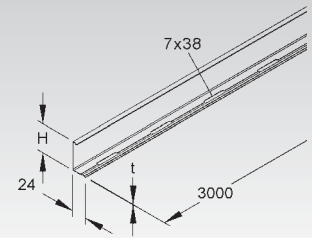
model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 50	47/1,8	0,75	4 FLM 6x12	224951	45
<b>S</b> RW 60	55/2,1	0,75	4 FLM 6x12	225002	50
<b>F</b> RW 60 F	55/2,1	0,75	4 FLM 6x12 F	225101	50
<b>E3</b> RW 50 E3	47/1,8	0,8	4 FLM 6x12 E3	333356	45
<b>E3</b> RW 60 E3	55/2,1	0,8	4 FLM 6x12 E3	333400	67
<b>E5</b> RW 60 E5	55/2,1	0,8	4 FLM 6x12 E5	729401	67

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.



65



### Splice Plate for Barrier Strip

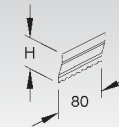
model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 50 E2	46,5/1,8	80/3,1	224999	1
<b>E2</b> RTV 60 E2	54,5/2,1	80/3,1	225149	1,5

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



65

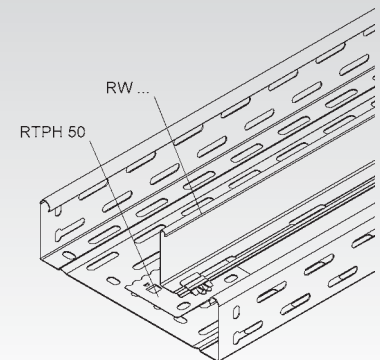
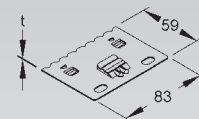


### Mounting Plate for Barrier Strip

model no.	length (A) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> RTPH 50	83/3,2	59/2,3	0,9	231973	4

To be used for: cable trays RL..., RS..., RLC 60... (from width of 200 mm) and distribution cable tray RSV110...

The barrier strip mounting device locks into the perforation of the tray while the barrier strip itself snaps into the latch of the device.



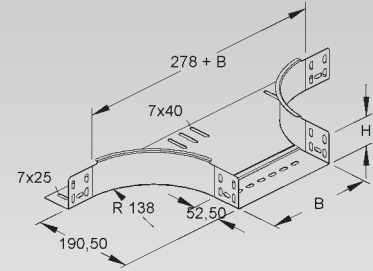
# CABLE TRAY SYSTEM

## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTA 60.070	60/2,3	70/2,7	10 FLM 6x12	226757	65,3
S RTA 60.100	60/2,3	100/3,9	10 FLM 6x12	226801	70,4
S RTA 60.120	60/2,3	120/4,7	10 FLM 6x12	226856	73,9
S RTA 60.150	60/2,3	150/5,8	10 FLM 6x12	226900	78,9
S RTA 60.200	60/2,3	200/7,8	10 FLM 6x12	227006	87,4
S RTA 60.250	60/2,3	250/9,8	10 FLM 6x12	227105	95,8
S RTA 60.300	60/2,3	300/11,7	10 FLM 6x12	227204	104,3
S RTA 60.400	60/2,3	400/15,6	10 FLM 6x12	227303	121,5
S RTA 60.500	60/2,3	500/19,5	10 FLM 6x12	227402	137,9
S RTA 60.600	60/2,3	600/23,4	10 FLM 6x12	227501	154,9
F RTA 60.100 F	60/2,3	100/3,9	10 FLM 6x12 F	536405	75,7
F RTA 60.150 F	60/2,3	150/5,8	10 FLM 6x12 F	536450	
F RTA 60.200 F	60/2,3	200/7,8	10 FLM 6x12 F	536504	93,9
F RTA 60.300 F	60/2,3	300/11,7	10 FLM 6x12 F	536603	104,2
F RTA 60.400 F	60/2,3	400/15,6	10 FLM 6x12 F	536702	130,6
F RTA 60.500 F	60/2,3	500/19,5	10 FLM 6x12 F	536801	148,3
F RTA 60.600 F	60/2,3	600/23,4	10 FLM 6x12 F	536900	166,4
E3 RTA 60.100 E3	60/2,3	100/3,9	10 FLM 6x12 E3	333608	63
E3 RTA 60.200 E3	60/2,3	200/7,8	10 FLM 6x12 E3	333707	78,1
E3 RTA 60.300 E3	60/2,3	300/11,7	10 FLM 6x12 E3	333806	93,3
E3 RTA 60.400 E3	60/2,3	400/15,6	10 FLM 6x12 E3	333905	127,9
E3 RTA 60.500 E3	60/2,3	500/19,5	10 FLM 6x12 E3	334001	146,4
E3 RTA 60.600 E3	60/2,3	600/23,4	10 FLM 6x12 E3	334100	165,3

to make 90° horizontal Tee-fittings  
with solid side rails (perforated for splices) and integrated splice plate

60

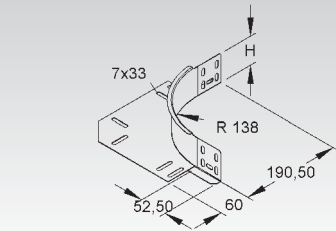


## Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S REK 60	60/2,3	6 FLM 6x12	227600	33
F REK 60 F	60/2,3	6 FLM 6x12 F	537006	35,4
E3 REK 60 E3	60/2,3	6 FLM 6x12 E3	334803	29,5
E5 REK 60 E5	60/2,3	6 FLM 6x12 E5	729500	33,2

to make 90° elbows and T-fittings  
solid side rails, perforated for splices, overlapping bottom plate

60  
54

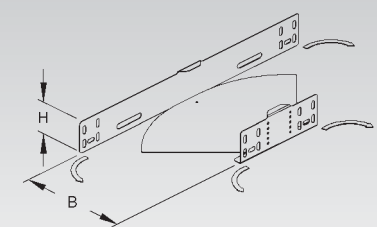


## Flexible Horizontal Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ S RBAV 60.070	60/2,3	70/2,7	10 FLM 6x12	925742	30
★ S RBAV 60.100	60/2,3	100/3,9	10 FLM 6x12	923786	28
★ S RBAV 60.120	60/2,3	120/4,7	10 FLM 6x12	925766	42,5
★ S RBAV 60.150	60/2,3	150/5,8	10 FLM 6x12	930456	51,3
★ S RBAV 60.200	60/2,3	200/7,8	10 FLM 6x12	923809	64
★ S RBAV 60.250	60/2,3	250/9,8	10 FLM 6x12	923816	84,4
★ S RBAV 60.300	60/2,3	300/11,7	10 FLM 6x12	923823	112
★ S RBAV 60.400	60/2,3	400/15,6	10 FLM 6x12	923847	166
★ S RBAV 60.500	60/2,3	500/19,5	14 FLM 6x12	923861	237
★ S RBAV 60.600	60/2,3	600/23,4	14 FLM 6x12	923885	323

horizontal splice, adjustable from 0° to 90°  
solid side rails, perforated for splices  
solid joint due to an overlapping bottom of fitting and cable tray

60

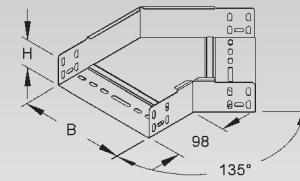


### Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RBA 60.100	60/2,3	100/3,9	4 FLM 6x12	225200	42,9
S RBA 60.150	60/2,3	150/5,8	4 FLM 6x12	225309	57
S RBA 60.200	60/2,3	200/7,8	5 FLM 6x12	225408	72,8
S RBA 60.250	60/2,3	250/9,8	5 FLM 6x12	225507	90,1
S RBA 60.300	60/2,3	300/11,7	5 FLM 6x12	225606	109,1
S RBA 60.400	60/2,3	400/15,6	6 FLM 6x12	225705	152,1
S RBA 60.500	60/2,3	500/19,5	6 FLM 6x12	225804	201,5
S RBA 60.600	60/2,3	600/23,4	6 FLM 6x12	225903	257,5
F RBA 60.100 F	60/2,3	100/3,9	4 FLM 6x12 F	535200	46,2
F RBA 60.150 F	60/2,3	150/5,8	4 FLM 6x12 F	535255	
F RBA 60.200 F	60/2,3	200/7,8	5 FLM 6x12 F	535309	78,3
F RBA 60.300 F	60/2,3	300/11,7	5 FLM 6x12 F	535408	117,4
F RBA 60.400 F	60/2,3	400/15,6	6 FLM 6x12 F	535507	163,6
F RBA 60.500 F	60/2,3	500/19,5	6 FLM 6x12 F	535606	216,6
F RBA 60.600 F	60/2,3	600/23,4	6 FLM 6x12 F	535705	276,8

to make a horizontal 45° elbow  
solid side rails, perforated for splices, integrated splice plate

60

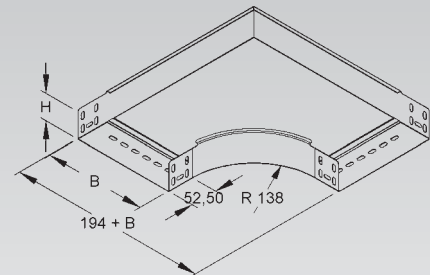


### Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RES 60.070	60/2,3	70/2,7	4 FLM 6x12	225958	72
S RES 60.100	60/2,3	100/3,9	4 FLM 6x12	226009	87,5
S RES 60.120	60/2,3	120/4,7	4 FLM 6x12	226054	98
S RES 60.150	60/2,3	150/5,8	4 FLM 6x12	226108	115,7
S RES 60.200	60/2,3	200/7,8	5 FLM 6x12	226207	156,8
S RES 60.250	60/2,3	250/9,8	5 FLM 6x12	226306	195,3
S RES 60.300	60/2,3	300/11,7	5 FLM 6x12	226405	237,7
S RES 60.400	60/2,3	400/15,6	6 FLM 6x12	226504	333,8
S RES 60.500	60/2,3	500/19,5	6 FLM 6x12	226603	446,1
S RES 60.600	60/2,3	600/23,4	6 FLM 6x12	226702	574
F RES 60.100 F	60/2,3	100/3,9	4 FLM 6x12 F	535804	94,1
F RES 60.150 F	60/2,3	150/5,8	4 FLM 6x12 F	535859	
F RES 60.200 F	60/2,3	200/7,8	5 FLM 6x12 F	535903	168,6
F RES 60.300 F	60/2,3	300/11,7	5 FLM 6x12 F	536009	255,5
F RES 60.400 F	60/2,3	400/15,6	6 FLM 6x12 F	536108	358,9
F RES 60.500 F	60/2,3	500/19,5	6 FLM 6x12 F	536207	479,5
F RES 60.600 F	60/2,3	600/23,4	6 FLM 6x12 F	536306	617,1
E3 RES 60.100 E3	60/2,3	100/3,9	4 FLM 6x12 E3	333561	78,3
E3 RES 60.200 E3	60/2,3	200/7,8	5 FLM 6x12 E3	333578	131,8
E3 RES 60.300 E3	60/2,3	300/11,7	5 FLM 6x12 E3	333585	197,9
E3 RES 60.400 E3	60/2,3	400/15,6	6 FLM 6x12 E3	845200	276,4
E3 RES 60.500 E3	60/2,3	500/19,5	6 FLM 6x12 E3	845231	367,8
E3 RES 60.600 E3	60/2,3	600/23,4	6 FLM 6x12 E3	845262	471,8

to make 90° horizontal elbows  
solid side rails, perforated for splices, integrated splice plate

60

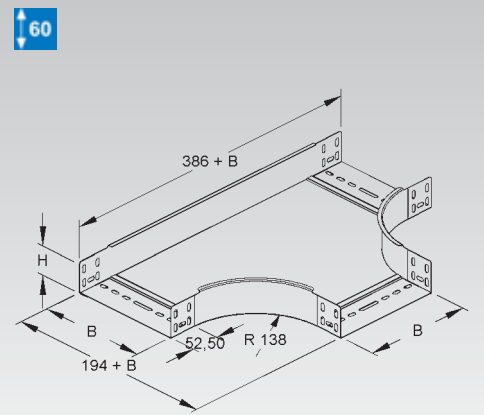


# CABLE TRAY SYSTEM

## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTS 60.100	60/2,3	100/3,9	8 FLM 6x12	228805	115,4
S RTS 60.150	60/2,3	150/5,8	8 FLM 6x12	228904	147,2
S RTS 60.200	60/2,3	200/7,8	10 FLM 6x12	229000	195,4
S RTS 60.250	60/2,3	250/9,8	12 FLM 6x12	229109	238,3
S RTS 60.300	60/2,3	300/11,7	12 FLM 6x12	229208	285,2
S RTS 60.400	60/2,3	400/15,6	12 FLM 6x12	229307	390,7
S RTS 60.500	60/2,3	500/19,5	12 FLM 6x12	229406	511,9
S RTS 60.600	60/2,3	600/23,4	12 FLM 6x12	229505	648,8
F RTS 60.100 F	60/2,3	100/3,9	8 FLM 6x12 F	538003	124
F RTS 60.150 F	60/2,3	150/5,8	8 FLM 6x12 F	538058	
F RTS 60.200 F	60/2,3	200/7,8	10 FLM 6x12 F	538102	210
F RTS 60.300 F	60/2,3	300/11,7	12 FLM 6x12 F	538201	306,6
F RTS 60.400 F	60/2,3	400/15,6	12 FLM 6x12 F	538300	420
F RTS 60.500 F	60/2,3	500/19,5	12 FLM 6x12 F	538409	550,3
F RTS 60.600 F	60/2,3	600/23,4	12 FLM 6x12 F	538508	697,5

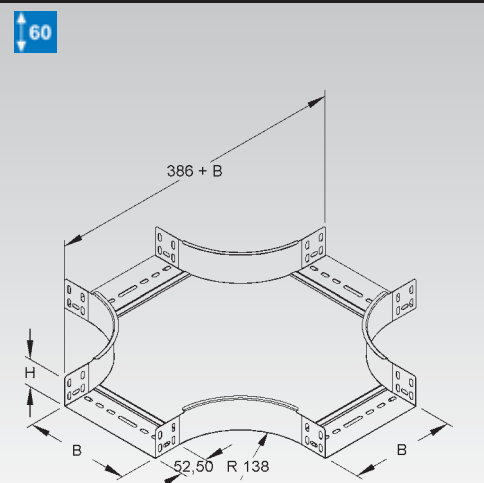
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



## Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RKS 60.100	60/2,3	100/3,9	12 FLM 6x12	229604	150,6
S RKS 60.150	60/2,3	150/5,8	12 FLM 6x12	229703	190,2
S RKS 60.200	60/2,3	200/7,8	15 FLM 6x12	229802	233,7
S RKS 60.250	60/2,3	250/9,8	15 FLM 6x12	229901	281,1
S RKS 60.300	60/2,3	300/11,7	15 FLM 6x12	230006	332,4
S RKS 60.400	60/2,3	400/15,6	18 FLM 6x12	230105	446,9
S RKS 60.500	60/2,3	500/19,5	18 FLM 6x12	230204	577,1
S RKS 60.600	60/2,3	600/23,4	18 FLM 6x12	230303	722,9
F RKS 60.100 F	60/2,3	100/3,9	12 FLM 6x12 F	538607	161,9
F RKS 60.150 F	60/2,3	150/5,8	4 FLM 6x12 F	538652	
F RKS 60.200 F	60/2,3	200/7,8	15 FLM 6x12 F	538706	251,2
F RKS 60.300 F	60/2,3	300/11,7	15 FLM 6x12 F	538805	357,4
F RKS 60.400 F	60/2,3	400/15,6	18 FLM 6x12 F	538904	480,4
F RKS 60.500 F	60/2,3	500/19,5	18 FLM 6x12 F	539000	620,3
F RKS 60.600 F	60/2,3	600/23,4	18 FLM 6x12 F	539109	777,1

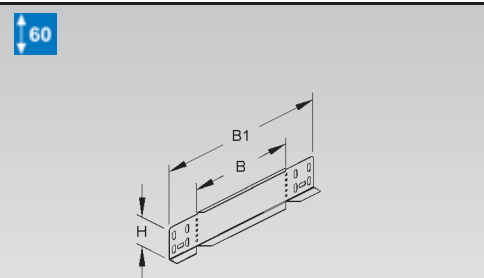
to make 90° horizontal crosses  
solid side rails, perforated for splices, integrated splice plate



## Offset Reducing Splice Plate / Blind End

model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RA 60.050	60/2,3	50/2	172	4 FLM 6x12	763108	9
S RA 60.150	60/2,3	150/5,8	272	4 FLM 6x12	763306	16
S RA 60.200	60/2,3	200/7,8	322	4 FLM 6x12	763405	19
S RA 60.250	60/2,3	250/9,8	372	4 FLM 6x12	763504	22
S RA 60.350	60/2,3	350/13,6	472	4 FLM 6x12	763702	29
S RA 60.400	60/2,3	400/15,6	522	4 FLM 6x12	763801	32
S RA 60.500	60/2,3	500/19,5	622	4 FLM 6x12	763900	39
S RA 60.600	60/2,3	600/23,4	722	4 FLM 6x12	764006	46
F RA 60.200 F	60/2,3	200/7,8	322	4 FLM 6x12 F	540747	19
F RA 60.400 F	60/2,3	400/15,6	522	4 FLM 6x12 F	540761	32
F RA 60.500 F	60/2,3	500/19,5	622	4 FLM 6x12 F	540778	39
F RA 60.600 F	60/2,3	600/23,4	722	4 FLM 6x12 F	540785	46
E3 RA 60.200 E3	60/2,3	200/7,8	322	4 FLM 6x12 E3	845347	19
E3 RA 60.400 E3	60/2,3	400/15,6	522	4 FLM 6x12 E3	845422	32
E3 RA 60.500 E3	60/2,3	500/19,5	622	4 FLM 6x12 E3	845446	39
E3 RA 60.600 E3	60/2,3	600/23,4	722	4 FLM 6x12 E3	845460	46

To close a dead end of a cable tray or for joining cable trays of different width.

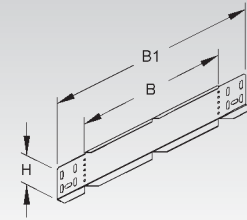


### Adjustable Horizontal Splice Plate / Blind End

model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RAW 60.100	60/2,3	100/3,9	222	4 FLM 6x12	763207	13
<b>S</b> RAW 60.300	60/2,3	300/11,7	422	4 FLM 6x12	763603	26
<b>F</b> RAW 60.100 F	60/2,3	100/3,9	222	4 FLM 6x12 F	540730	13
<b>F</b> RAW 60.300 F	60/2,3	300/11,7	422	4 FLM 6x12 F	540754	26
<b>E3</b> RAW 60.100 E3	60/2,3	100/3,9	222	4 FLM 6x12 E3	845309	13
<b>E3</b> RAW 60.300 E3	60/2,3	300/11,7	422	4 FLM 6x12 E3	845385	26

to make horizontal bends  
To close a dead end of a cable tray or for joining cable trays of different width.

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### Adjustable Splice Plate

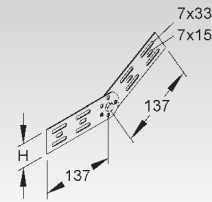
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RGV 60	47/1,8	4 FLM 6x12	227709	24
<b>F</b> RGV 60 F	47/1,8	4 FLM 6x12 F	227808	24
<b>E3</b> RGV 60 E3	47/1,8	4 FLM 6x12 E3	335008	24

for making vertical bends for cable trays

2 pieces required per joint

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### Splice/Link Kit

vertical

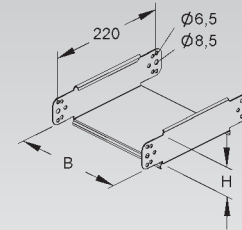
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RGE 60.100	60/2,3	100/3,9	2 SKM 8x16	231201	37
<b>S</b> RGE 60.150	60/2,3	150/5,8	2 SKM 8x16	231300	43
<b>S</b> RGE 60.200	60/2,3	200/7,8	2 SKM 8x16	231409	50
<b>S</b> RGE 60.250	60/2,3	250/9,8	2 SKM 8x16	231508	56
<b>S</b> RGE 60.300	60/2,3	300/11,7	2 SKM 8x16	231607	62
<b>S</b> RGE 60.400	60/2,3	400/15,6	2 SKM 8x16	231706	74
<b>S</b> RGE 60.500	60/2,3	500/19,5	2 SKM 8x16	231805	86
<b>S</b> RGE 60.600	60/2,3	600/23,4	2 SKM 8x16	231904	127
<b>F</b> RGE 60.100 F	60/2,3	100/3,9	2 SKM 8x16 F	539802	37
<b>F</b> RGE 60.150 F	60/2,3	150/5,8	2 SKM 8x16 F	539857	43
<b>F</b> RGE 60.200 F	60/2,3	200/7,8	2 SKM 8x16 F	539901	50
<b>F</b> RGE 60.300 F	60/2,3	300/11,7	2 SKM 8x16 F	540006	62
<b>F</b> RGE 60.400 F	60/2,3	400/15,6	2 SKM 8x16 F	540105	74
<b>F</b> RGE 60.500 F	60/2,3	500/19,5	2 SKM 8x16 F	540204	86
<b>F</b> RGE 60.600 F	60/2,3	600/23,4	2 SKM 8x16 F	540303	127

for linking sections of tray with a vertical displacement (single piece splice)

bottom blade and siderails with rounded edges for cable protection at the joints

To be used for: For enlarging the radius of RGS... and RGV vertical elbows.

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# CABLE TRAY SYSTEM

## Adjustable Elbow

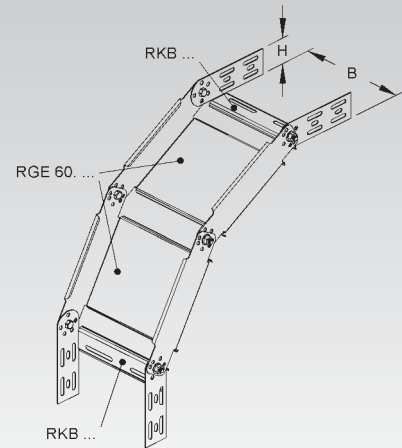
vertical

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RGS 60.100	60/2,3	100/3,9	14 FLM 6x12, 6 SKM 8x16	230402	93
S RGS 60.150	60/2,3	150/5,8	14 FLM 6x12, 6 SKM 8x16	230501	111
S RGS 60.200	60/2,3	200/7,8	14 FLM 6x12, 6 SKM 8x16	230600	132
S RGS 60.250	60/2,3	250/9,8	14 FLM 6x12, 6 SKM 8x16	230709	151
S RGS 60.300	60/2,3	300/11,7	14 FLM 6x12, 6 SKM 8x16	230808	167
S RGS 60.400	60/2,3	400/15,6	14 FLM 6x12, 6 SKM 8x16	230907	206
S RGS 60.500	60/2,3	500/19,5	14 FLM 6x12, 6 SKM 8x16	231003	243
S RGS 60.600	60/2,3	600/23,4	14 FLM 6x12, 6 SKM 8x16	231102	339
F RGS 60.100 F	60/2,3	100/3,9	14 FLM 6x12 F, 6 SKM 8x16 F	539208	93
F RGS 60.150 F	60/2,3	150/5,8	14 FLM 6x12 F, 6 SKM 8x16 F	539253	
F RGS 60.200 F	60/2,3	200/7,8	14 FLM 6x12 F, 6 SKM 8x16 F	539307	132
F RGS 60.300 F	60/2,3	300/11,7	14 FLM 6x12 F, 6 SKM 8x16 F	539406	167
F RGS 60.400 F	60/2,3	400/15,6	14 FLM 6x12 F, 6 SKM 8x16 F	539505	206
F RGS 60.500 F	60/2,3	500/19,5	14 FLM 6x12 F, 6 SKM 8x16 F	539604	243
F RGS 60.600 F	60/2,3	600/23,4	14 FLM 6x12 F, 6 SKM 8x16 F	539703	339

for linking sections of tray with a vertical displacement (multi piece splice)

A complete inside/outside vertical elbow kit consists of 2 x RGE..., 2 x RKB... and 2 x RGV... bottom blade and siderails with rounded edges for cable protection at the joints delivered as a kit (not assembled)

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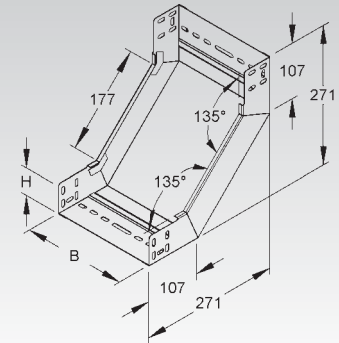


## Vertical Inside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RSD 60.070	60/2,3	70/2,7	4 FLM 6x12	844401	74,6
S RSD 60.100	60/2,3	100/3,9	4 FLM 6x12	844418	84,9
S RSD 60.120	60/2,3	120/4,7	4 FLM 6x12	844425	91,8
S RSD 60.150	60/2,3	150/5,8	4 FLM 6x12	844432	102,1
S RSD 60.200	60/2,3	200/7,8	5 FLM 6x12	844449	119,3
S RSD 60.250	60/2,3	250/9,8	5 FLM 6x12	844456	136,5
S RSD 60.300	60/2,3	300/11,7	5 FLM 6x12	844463	153,7
S RSD 60.400	60/2,3	400/15,6	6 FLM 6x12	844470	188,1
S RSD 60.500	60/2,3	500/19,5	6 FLM 6x12	844487	222,5
S RSD 60.600	60/2,3	600/23,4	6 FLM 6x12	844494	256,9

to make vertical inside elbows, 2x 45° solid side rails, perforated for splices, integrated splice plate

60

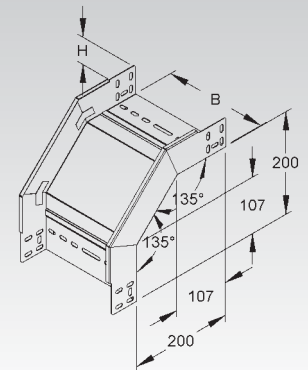


## Vertical Outside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RFD 60.070	60/2,3	70/2,7	4 FLM 6x12	844302	63,1
S RFD 60.100	60/2,3	100/3,9	4 FLM 6x12	844319	71,1
S RFD 60.120	60/2,3	120/4,7	4 FLM 6x12	844326	76,5
S RFD 60.150	60/2,3	150/5,8	4 FLM 6x12	844333	84,5
S RFD 60.200	60/2,3	200/7,8	5 FLM 6x12	844340	97,9
S RFD 60.250	60/2,3	250/9,8	5 FLM 6x12	844357	111,3
S RFD 60.300	60/2,3	300/11,7	5 FLM 6x12	844364	124,6
S RFD 60.400	60/2,3	400/15,6	6 FLM 6x12	844371	151,4
S RFD 60.500	60/2,3	500/19,5	6 FLM 6x12	844388	178,2
S RFD 60.600	60/2,3	600/23,4	6 FLM 6x12	844395	204,9

to make vertical outside elbows, 2x 45° solid side rails, perforated for splices, integrated splice plate

60



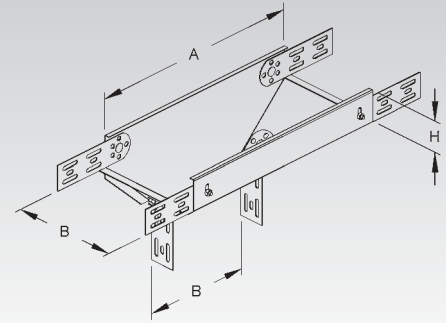
### Vertical Tee Down, lengthwise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S <b>RTL 60.070</b>	60/2,3	70/2,7	171	20 FLM 6x12 + 3 RGV 60	855506	87,7
S <b>RTL 60.100</b>	60/2,3	100/3,9	201	20 FLM 6x12 + 3 RGV 60	793204	100
S <b>RTL 60.120</b>	60/2,3	120/4,7	221	20 FLM 6x12 + 3 RGV 60	855520	108,2
S <b>RTL 60.150</b>	60/2,3	150/5,8	251	20 FLM 6x12 + 3 RGV 60	793211	119
S <b>RTL 60.200</b>	60/2,3	200/7,8	401	20 FLM 6x12 + 3 RGV 60	793228	200
S <b>RTL 60.250</b>	60/2,3	250/9,8	451	20 FLM 6x12 + 3 RGV 60	793235	237
S <b>RTL 60.300</b>	60/2,3	300/11,7	701	20 FLM 6x12 + 3 RGV 60	793242	438
S <b>RTL 60.400</b>	60/2,3	400/15,6	801	20 FLM 6x12 + 3 RGV 60	793266	557
S <b>RTL 60.500</b>	60/2,3	500/19,5	901	20 FLM 6x12 + 3 RGV 60	793280	691
S <b>RTL 60.600</b>	60/2,3	600/23,4	1001	20 FLM 6x12 + 3 RGV 60	793303	841

Vertical Tee Down (branch-off) in longitudinal direction

Size of run and tap tray is identical.

60



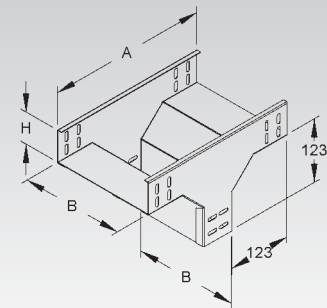
### Vertical Tee Down, crosswise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S <b>RTQ 60.070</b>	60/2,3	70/2,7	311	8 FLM 6x12	855544	82
S <b>RTQ 60.100</b>	60/2,3	100/3,9	311	8 FLM 6x12	793327	105
S <b>RTQ 60.120</b>	60/2,3	120/4,7	311	8 FLM 6x12	855568	99,2
S <b>RTQ 60.150</b>	60/2,3	150/5,8	311	8 FLM 6x12	793334	125
S <b>RTQ 60.200</b>	60/2,3	200/7,8	311	10 FLM 6x12	793341	145
S <b>RTQ 60.250</b>	60/2,3	250/9,8	311	12 FLM 6x12	793358	160
S <b>RTQ 60.300</b>	60/2,3	300/11,7	311	12 FLM 6x12	793365	175
S <b>RTQ 60.400</b>	60/2,3	400/15,6	311	12 FLM 6x12	793389	215
S <b>RTQ 60.500</b>	60/2,3	500/19,5	311	12 FLM 6x12	793402	250
S <b>RTQ 60.600</b>	60/2,3	600/23,4	311	12 FLM 6x12	793426	285

Vertical Tee Down (branch-off) in transverse direction

Size of run and tap tray is identical.

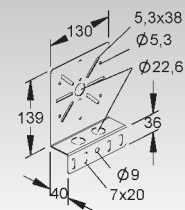
60



### Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
S <b>RMP 130</b>	2 FLM 6x12	206148	50

for mounting distribution or junction boxes



## Edge Protection Plate

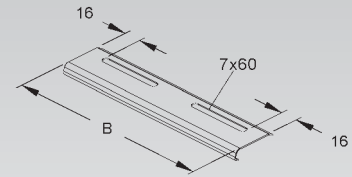
model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RKB 100	92/3,6	1 FLM 6x12	270200	5
S RKB 150	142/5,5	2 FLM 6x12	270309	8
S RKB 200	192/7,5	2 FLM 6x12	270408	10
S RKB 250	242/9,4	2 FLM 6x12	270507	13
S RKB 300	292/11,4	2 FLM 6x12	270606	15
S RKB 400	392/15,3	2 FLM 6x12	270705	20
S RKB 500	492/19,2	2 FLM 6x12	270804	25
S RKB 550	542/21,1	2 FLM 6x12	270903	28
S RKB 600	592/23,1	2 FLM 6x12	271009	31
F RKB 100 F	92/3,6	1 FLM 6x12 F	563500	5
F RKB 150 F	142/5,5	2 FLM 6x12 F	563609	8
F RKB 200 F	192/7,5	2 FLM 6x12 F	563708	10
F RKB 250 F	242/9,4	2 FLM 6x12 F	563807	13
F RKB 300 F	292/11,4	2 FLM 6x12 F	563906	15
F RKB 400 F	392/15,3	2 FLM 6x12 F	564002	20
F RKB 500 F	492/19,2	2 FLM 6x12 F	564101	25
F RKB 550 F	542/21,1	2 FLM 6x12 F	564200	28
F RKB 600 F	592/23,1	2 FLM 6x12 F	564309	31

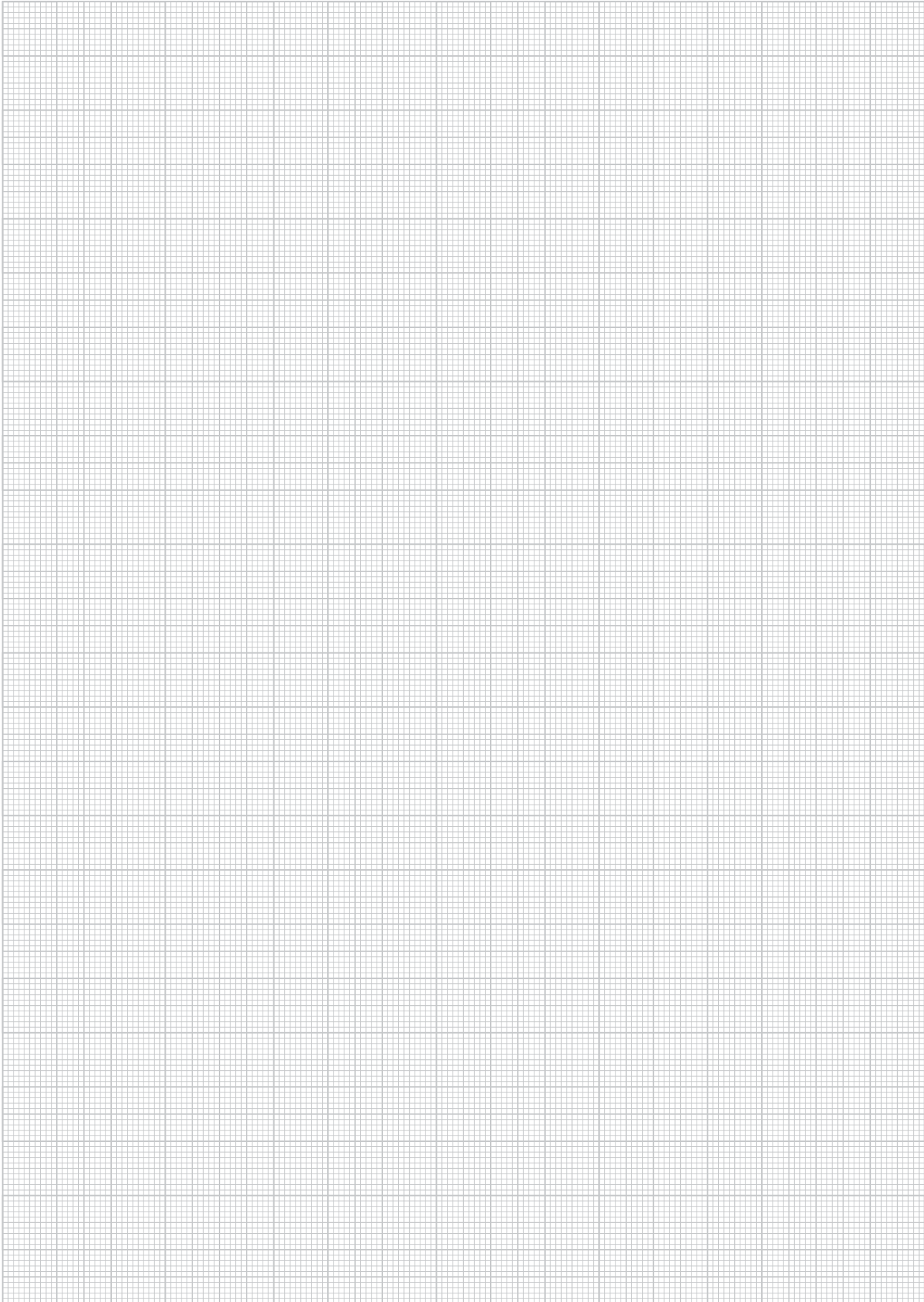
to reinforce the bottom of cable trays  
with rounded edges to protect cables at the joint

**To prevent accidents and injuries you must install edge protection plates! Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.**



53



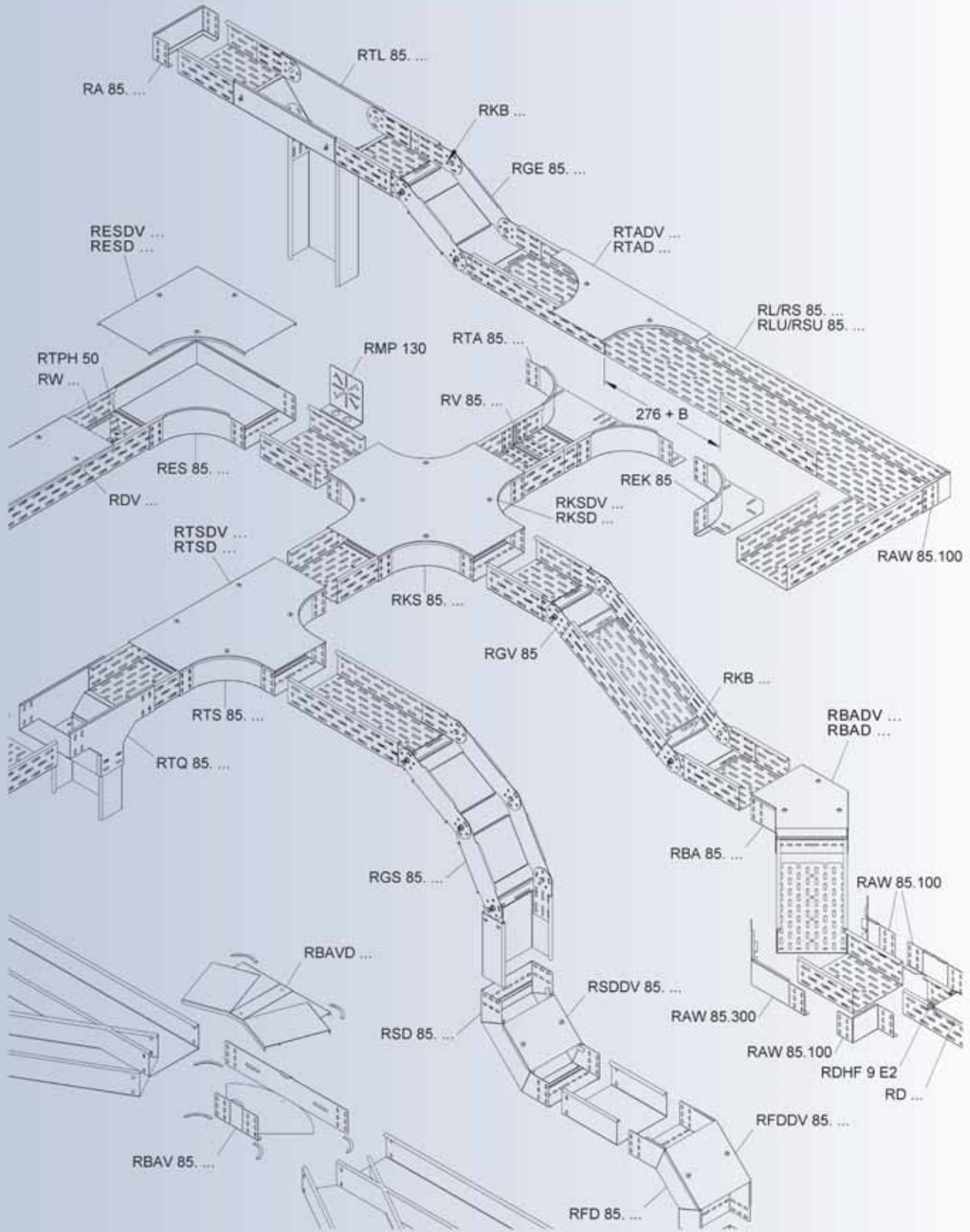


## Available Side Rail Heights

<b>SYSTEM</b>	Cable Tray, light version, ventilated	<b>RL</b>	Page 199
	Cable Tray, light version, non ventilated	<b>RLU</b>	Page 199
	Cable Tray, heavy duty version, ventilated	<b>RS</b>	Page 200
	Cable Tray, heavy duty version, non ventilated	<b>RSU</b>	Page 200
<b>ACCESSORIES</b>	Single-piece Splice Plate, u-shaped	<b>RV</b>	Page 201
	Barrier Strip	<b>RW 85</b>	Page 201
	Splice Plate for Barrier Strip	<b>RTV 85</b>	Page 201
	Mounting Plate for Barrier Strip	<b>RTPH 50</b>	Page 201
	Extension Horizontal Tee	<b>RTA</b>	Page 202
	Extension Horizontal Elbow	<b>REK</b>	Page 202
	Flexible Horizontal Elbow	<b>RBAV</b>	Page 202
	Elbow 45°	<b>RBA</b>	Page 202
	Elbow 90°	<b>RES</b>	Page 203
	Horizontal Tee	<b>RTS</b>	Page 203
	Horizontal Cross	<b>RKS</b>	Page 203
	Offset Reducing Splice Plate	<b>RA</b>	Page 204
	Offset Reducing Splice Plate	<b>RAW</b>	Page 204
	Adjustable Splice Plate, vertical	<b>RGV</b>	Page 204
	Hinge Piece, vertical	<b>RGE</b>	Page 204
	Adjustable Elbow, vertical	<b>RGS</b>	Page 205
	Vertical Inside Elbow	<b>RSD</b>	Page 205
	Vertical Outside Elbow	<b>RFD</b>	Page 205
	Vertical Tee Down, straight	<b>RTL</b>	Page 206
	Vertical Tee Down, transverse	<b>RTQ</b>	Page 206
	Mounting Plate	<b>RMP 130</b>	Page 206
	Edge Protection Plate	<b>RKB</b>	Page 206

The covers of the cable tray system starting from page 223.





# CABLE TRAY SYSTEM

## Load / Span Class Designation in accordance with NEMA VE 1 and CSA E22.2 No. 126.1

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
RLX 85.100, ... F	201.6 / 0.31	129 / 0.2	93 / 62.5	2 / 6.6	A
RLX 85.200, ... F	296.0 / 0.46	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 85.300, ... F	368.0 / 0.57	258 / 0.4	93 / 62.5	2 / 6.6	A
RLX 85.400, ... F	440.0 / 0.68	258 / 0.4	92 / 62.5	2 / 6.6	A
RLX 85.500, ... F	512.0 / 0.79	452 / 0.7	93 / 62.5	2 / 6.6	A
RLX 85.600, ... F	584.0 / 0.91	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 85.100, ... F	264.6 / 0.41	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 85.200, ... F	394.0 / 0.61	258 / 0.4	93 / 62.5	2 / 6.6	A
RLUX 85.300, ... F	494.0 / 0.77	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 85.400, ... F	594.0 / 0.92	452 / 0.7	93 / 62.5	2 / 6.6	A
RLUX 85.500, ... F	694.0 / 1.08	645 / 1.0	93 / 62.5	2 / 6.6	A
RLUX 85.600, ... F	794.0 / 1.23	645 / 1.0	93 / 62.5	2 / 6.6	A
RSX 85.100, ... F	331.5 / 0.51	258 / 0.4	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSX 85.200, ... F	439.5 / 0.68	258 / 0.4	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSX 85.300, ... F	547.5 / 0.85	452 / 0.7	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSX 85.400, ... F	655.5 / 1.02	645 / 1.0	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSX 85.500, ... F	763.5 / 1.18	645 / 1.0	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSX 85.600, ... F	871.5 / 1.35	645 / 1.0	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.100, ... F	436.5 / 0.68	258 / 0.4	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.200, ... F	586.5 / 0.91	452 / 0.7	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.300, ... F	736.5 / 1.14	645 / 1.0	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.400, ... F	886.5 / 1.37	645 / 1.0	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.500, ... F	1036.5 / 1.61	968 / 1.5	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C
RSUX 85.600, ... F	1186.5 / 1.84	968 / 1.5	266.5 / 179	2 / 6.6	8A, 8B, 8C, A, C

## Light Cable Tray

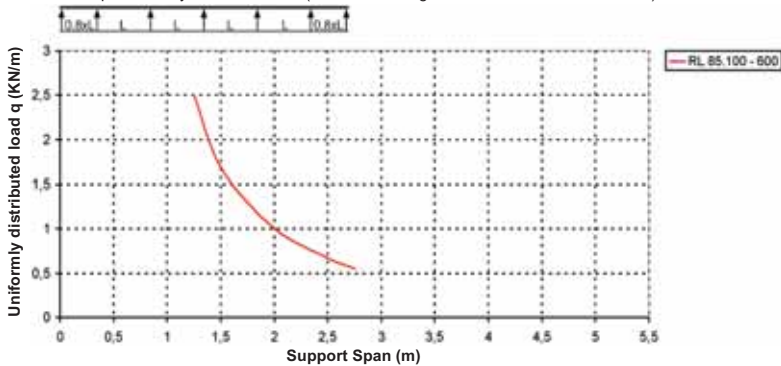
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RL 85.100	85/3,3	100/3,9	0,9	8 FLM 6x12	232802	207
S	RL 85.200	85/3,3	200/7,8	1	10 FLM 6x12	233007	272
S	RL 85.300	85/3,3	300/11,7	1	10 FLM 6x12	233205	329
S	RL 85.400	85/3,3	400/15,6	1	12 FLM 6x12	233403	405
S	RL 85.500	85/3,3	500/19,5	1	12 FLM 6x12	233601	474
S	RL 85.600	85/3,3	600/23,4	1	12 FLM 6x12	233809	542
F	RL 85.100 F	85/3,3	100/3,9	0,9	8 FLM 6x12 F	234004	207
F	RL 85.200 F	85/3,3	200/7,8	1	10 FLM 6x12 F	234202	272
F	RL 85.300 F	85/3,3	300/11,7	1	10 FLM 6x12 F	234400	329
F	RL 85.400 F	85/3,3	400/15,6	1	12 FLM 6x12 F	234608	405
F	RL 85.500 F	85/3,3	500/19,5	1	12 FLM 6x12 F	234806	474
F	RL 85.600 F	85/3,3	600/23,4	1	12 FLM 6x12 F	235001	542

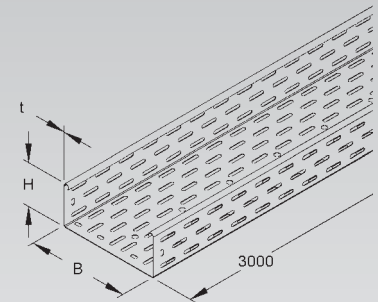
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



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## Light Cable Tray

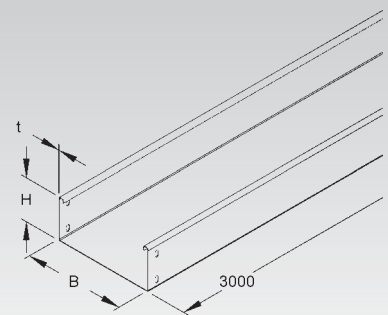
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLU 85.100	85/3,3	100/3,9	0,9	8 FLM 6x12	232901	208
S	RLU 85.200	85/3,3	200/7,8	1	10 FLM 6x12	233106	278
S	RLU 85.300	85/3,3	300/11,7	1	10 FLM 6x12	233304	349
S	RLU 85.400	85/3,3	400/15,6	1	12 FLM 6x12	233502	467
S	RLU 85.500	85/3,3	500/19,5	1	12 FLM 6x12	233700	545
S	RLU 85.600	85/3,3	600/23,4	1	12 FLM 6x12	233908	623
F	RLU 85.100 F	85/3,3	100/3,9	0,9	8 FLM 6x12 F	234103	224
F	RLU 85.200 F	85/3,3	200/7,8	1	10 FLM 6x12 F	234301	299
F	RLU 85.300 F	85/3,3	300/11,7	1	10 FLM 6x12 F	234509	375,5
F	RLU 85.400 F	85/3,3	400/15,6	1	12 FLM 6x12 F	234707	502
F	RLU 85.500 F	85/3,3	500/19,5	1	12 FLM 6x12 F	234905	586
F	RLU 85.600 F	85/3,3	600/23,4	1	12 FLM 6x12 F	235100	670

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

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# CABLE TRAY SYSTEM

## Heavy Duty Cable Tray

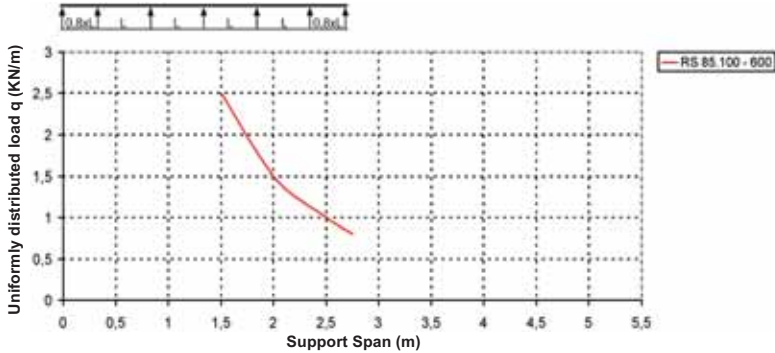
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RS 85.100	85/3,3	100/3,9	1,5	8 FLM 6x12	235209	310
S	RS 85.200	85/3,3	200/7,8	1,5	10 FLM 6x12	235407	414
S	RS 85.300	85/3,3	300/11,7	1,5	10 FLM 6x12	235605	480
S	RS 85.400	85/3,3	400/15,6	1,5	12 FLM 6x12	235803	607
S	RS 85.500	85/3,3	500/19,5	1,5	12 FLM 6x12	236008	744
S	RS 85.600	85/3,3	600/23,4	1,5	12 FLM 6x12	236206	857
F	RS 85.100 F	85/3,3	100/3,9	1,5	8 FLM 6x12 F	236404	310
F	RS 85.200 F	85/3,3	200/7,8	1,5	10 FLM 6x12 F	236602	414
F	RS 85.300 F	85/3,3	300/11,7	1,5	10 FLM 6x12 F	236800	480
F	RS 85.400 F	85/3,3	400/15,6	1,5	12 FLM 6x12 F	237005	607
F	RS 85.500 F	85/3,3	500/19,5	1,5	12 FLM 6x12 F	237203	744
F	RS 85.600 F	85/3,3	600/23,4	1,5	12 FLM 6x12 F	237401	857

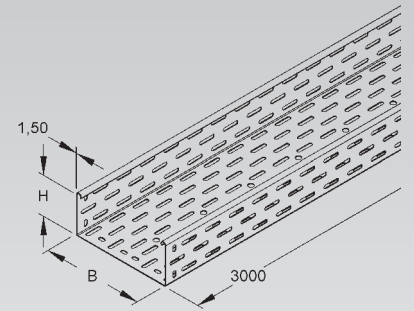
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



85



## Heavy Duty Cable Tray

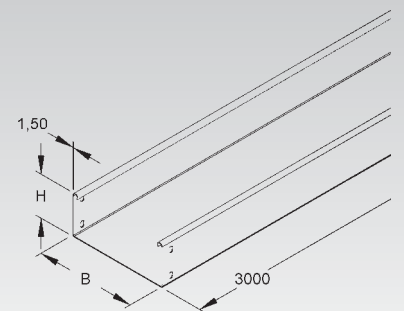
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RSU 85.100	85/3,3	100/3,9	1,5	8 FLM 6x12	235308	343
S	RSU 85.200	85/3,3	200/7,8	1,5	10 FLM 6x12	235506	460
S	RSU 85.300	85/3,3	300/11,7	1,5	10 FLM 6x12	235704	578
S	RSU 85.400	85/3,3	400/15,6	1,5	12 FLM 6x12	235902	696
S	RSU 85.500	85/3,3	500/19,5	1,5	12 FLM 6x12	236107	814
S	RSU 85.600	85/3,3	600/23,4	1,5	12 FLM 6x12	236305	932
F	RSU 85.100 F	85/3,3	100/3,9	1,5	8 FLM 6x12 F	236503	369
F	RSU 85.200 F	85/3,3	200/7,8	1,5	10 FLM 6x12 F	236701	494,5
F	RSU 85.300 F	85/3,3	300/11,7	1,5	10 FLM 6x12 F	236909	621,5
F	RSU 85.400 F	85/3,3	400/15,6	1,5	12 FLM 6x12 F	237104	748,5
F	RSU 85.500 F	85/3,3	500/19,5	1,5	12 FLM 6x12 F	237302	875
F	RSU 85.600 F	85/3,3	600/23,4	1,5	12 FLM 6x12 F	237500	1002

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

85



## U-shaped Single Piece Splice Plate

for additional requirements

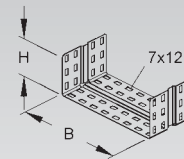
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RV 85.100	74/2,9	97/3,8	8 FLM 6x12	272501	23
S RV 85.200	74/2,9	197/7,7	10 FLM 6x12	272600	27
S RV 85.300	74/2,9	297/11,6	10 FLM 6x12	272709	35
S RV 85.400	74/2,9	397/15,5	12 FLM 6x12	272808	38
S RV 85.500	74/2,9	497/19,4	12 FLM 6x12	272907	51
S RV 85.600	74/2,9	597/23,3	12 FLM 6x12	273003	58
F RV 85.100 F	74/2,9	97/3,8	8 FLM 6x12 F	546800	23
F RV 85.200 F	74/2,9	197/7,7	10 FLM 6x12 F	546909	27
F RV 85.300 F	74/2,9	297/11,6	10 FLM 6x12 F	547005	35
F RV 85.400 F	74/2,9	397/15,5	12 FLM 6x12 F	547104	43
F RV 85.500 F	74/2,9	497/19,4	12 FLM 6x12 F	547203	51
F RV 85.600 F	74/2,9	597/23,3	12 FLM 6x12 F	547302	58

The U-shaped splice plate is easy to install. It's a time saving replacement of the classical three piece splice plate.

To be used for: cable trays RL.... and RLU..., RS... and RSU...

An RV type splice plate is included with every straight piece of RL or RS tray.

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## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S RW 85	80/3,1	0,9	4 FLM 6x12	237609	92
F RW 85 F	80/3,1	0,9	4 FLM 6x12 F	237708	92

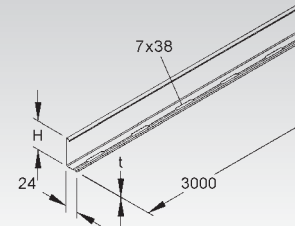
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

85



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## Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
E2 RTV 85 E2	79,5/3,1	80/3,1	237753	2

for positive locking connections of barrier strips with proper electrical conductivity

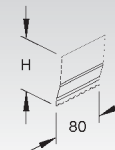
Barrier strips are connected by means of a special splice plate.



85



65

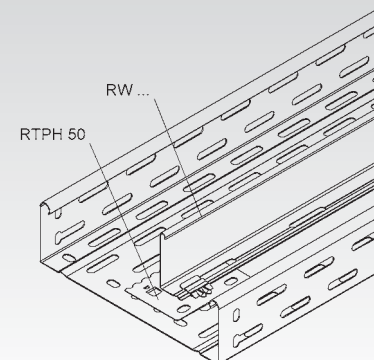
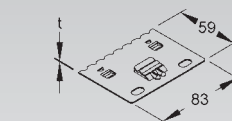


## Mounting Plate for Barrier Strip

model no.	length (A) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RTPH 50	83/3,2	59/2,3	0,9	231973	4

To be used for: cable trays RL...., RS..., RLC 60... (from width of 200 mm) and distribution cable tray RSV110...

The barrier strip mounting device locks into the perforation of the tray while the barrier strip itself snaps into the latch of the device.



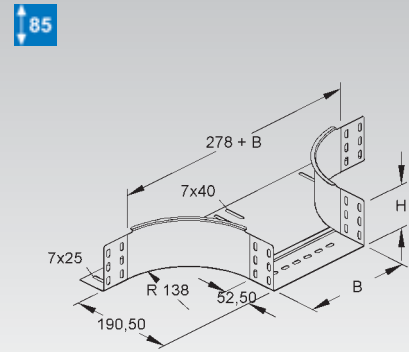


# CABLE TRAY SYSTEM

## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTA 85.100	85/3,3	100/3,9	10 FLM 6x12	239009	86,6
S RTA 85.200	85/3,3	200/7,8	10 FLM 6x12	239108	103,5
S RTA 85.300	85/3,3	300/11,7	10 FLM 6x12	239207	120,4
S RTA 85.400	85/3,3	400/15,6	10 FLM 6x12	239306	137,6
S RTA 85.500	85/3,3	500/19,5	10 FLM 6x12	239405	154,1
S RTA 85.600	85/3,3	600/23,4	10 FLM 6x12	239504	171
F RTA 85.100 F	85/3,3	100/3,9	10 FLM 6x12 F	542604	93,1
F RTA 85.200 F	85/3,3	200/7,8	10 FLM 6x12 F	542703	111,3
F RTA 85.300 F	85/3,3	300/11,7	10 FLM 6x12 F	542802	130
F RTA 85.400 F	85/3,3	400/15,6	10 FLM 6x12 F	542901	147,9
F RTA 85.500 F	85/3,3	500/19,5	10 FLM 6x12 F	543007	165,6
F RTA 85.600 F	85/3,3	600/23,4	10 FLM 6x12 F	543106	183,8

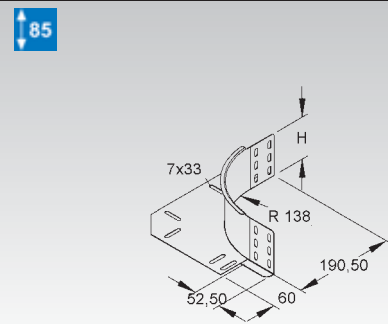
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



## Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S REK 85	85/3,3	6 FLM 6x12	239603	41,1
F REK 85 F	85/3,3	6 FLM 6x12 F	543205	44,1

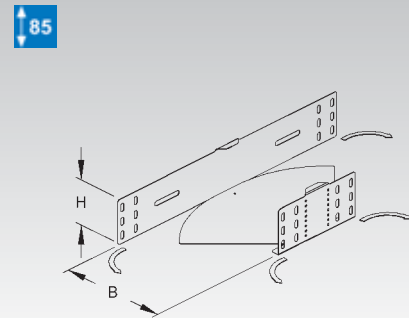
to make 90° elbows and T-fittings  
solid side rails, perforated for splices, overlapping bottom plate



## Flexible Horizontal Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ S RBAV 85.100	85/3,3	100/3,9	10 FLM 6x12	923663	47,2
★ S RBAV 85.200	85/3,3	200/7,8	10 FLM 6x12	923687	76,5
★ S RBAV 85.300	85/3,3	300/11,7	10 FLM 6x12	923700	124,6
★ S RBAV 85.400	85/3,3	400/15,6	10 FLM 6x12	923724	179,4
★ S RBAV 85.500	85/3,3	500/19,5	14 FLM 6x12	923748	249,4
★ S RBAV 85.600	85/3,3	600/23,4	14 FLM 6x12	923762	330,9

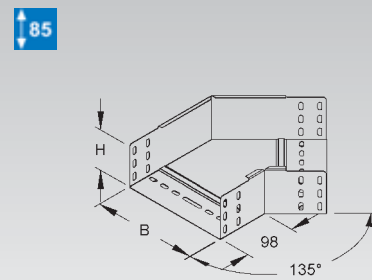
horizontal splice, adjustable from 0° to 90°  
solid side rails, perforated for splices  
solid joint due to an overlapping bottom of fitting and cable tray



## Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RBA 85.100	85/3,3	100/3,9	4 FLM 6x12	237807	54,7
S RBA 85.200	85/3,3	200/7,8	5 FLM 6x12	237906	86,7
S RBA 85.300	85/3,3	300/11,7	5 FLM 6x12	238002	125,2
S RBA 85.400	85/3,3	400/15,6	6 FLM 6x12	238101	170,4
S RBA 85.500	85/3,3	500/19,5	6 FLM 6x12	238200	221,8
S RBA 85.600	85/3,3	600/23,4	6 FLM 6x12	238309	280
F RBA 85.100 F	85/3,3	100/3,9	4 FLM 6x12 F	541409	58,8
F RBA 85.200 F	85/3,3	200/7,8	5 FLM 6x12 F	541508	93,2
F RBA 85.300 F	85/3,3	300/11,7	5 FLM 6x12 F	541607	134,6
F RBA 85.400 F	85/3,3	400/15,6	6 FLM 6x12 F	541706	183,1
F RBA 85.500 F	85/3,3	500/19,5	6 FLM 6x12 F	541805	238,5
F RBA 85.600 F	85/3,3	600/23,4	6 FLM 6x12 F	541904	301

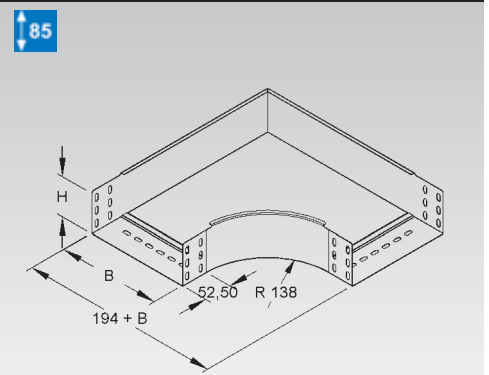
to make a horizontal 45° elbow  
solid side rails, perforated for splices, integrated splice plate



### Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RES 85.100	85/3,3	100/3,9	4 FLM 6x12	238408	110,5
S RES 85.200	85/3,3	200/7,8	5 FLM 6x12	238507	185
S RES 85.300	85/3,3	300/11,7	5 FLM 6x12	238606	271,1
S RES 85.400	85/3,3	400/15,6	6 FLM 6x12	238705	372,4
S RES 85.500	85/3,3	500/19,5	6 FLM 6x12	238804	489,9
S RES 85.600	85/3,3	600/23,4	6 FLM 6x12	238903	623,1
F RES 85.100 F	85/3,3	100/3,9	4 FLM 6x12 F	542000	118,8
F RES 85.200 F	85/3,3	200/7,8	5 FLM 6x12 F	542109	198,9
F RES 85.300 F	85/3,3	300/11,7	5 FLM 6x12 F	542208	291,4
F RES 85.400 F	85/3,3	400/15,6	6 FLM 6x12 F	542307	400,4
F RES 85.500 F	85/3,3	500/19,5	6 FLM 6x12 F	542406	526,6
F RES 85.600 F	85/3,3	600/23,4	6 FLM 6x12 F	542505	669,8

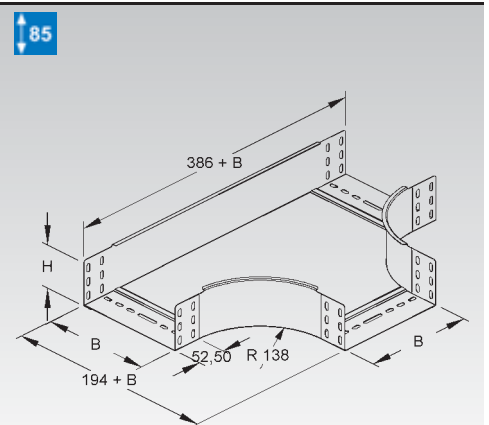
to make 90° horizontal elbows  
solid side rails, perforated for splices, integrated splice plate



### Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTS 85.100	85/3,3	100/3,9	8 FLM 6x12	240609	143,9
S RTS 85.200	85/3,3	200/7,8	10 FLM 6x12	240708	226,5
S RTS 85.300	85/3,3	300/11,7	10 FLM 6x12	240807	318,9
S RTS 85.400	85/3,3	400/15,6	12 FLM 6x12	240906	427
S RTS 85.500	85/3,3	500/19,5	12 FLM 6x12	241002	550,8
S RTS 85.600	85/3,3	600/23,4	12 FLM 6x12	241101	690,3
F RTS 85.100 F	85/3,3	100/3,9	8 FLM 6x12 F	544004	154,6
F RTS 85.200 F	85/3,3	200/7,8	10 FLM 6x12 F	544103	243,4
F RTS 85.300 F	85/3,3	300/11,7	10 FLM 6x12 F	544202	342,8
F RTS 85.400 F	85/3,3	400/15,6	12 FLM 6x12 F	544301	459
F RTS 85.500 F	85/3,3	500/19,5	12 FLM 6x12 F	544400	592,1
F RTS 85.600 F	85/3,3	600/23,4	12 FLM 6x12 F	544509	742,1

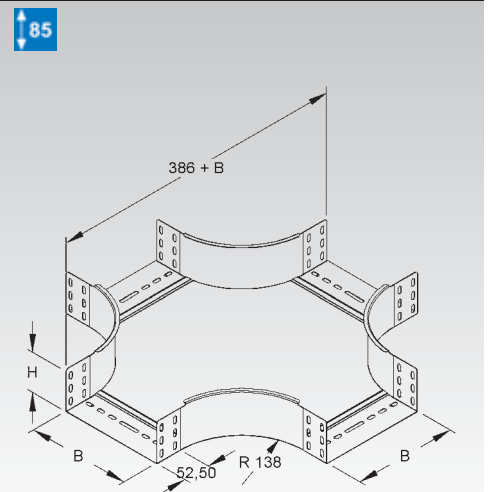
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



### Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RKS 85.100	85/3,3	100/3,9	12 FLM 6x12	241200	182,9
S RKS 85.200	85/3,3	200/7,8	15 FLM 6x12	241309	266
S RKS 85.300	85/3,3	300/11,7	15 FLM 6x12	241408	364,8
S RKS 85.400	85/3,3	400/15,6	18 FLM 6x12	241507	479,2
S RKS 85.500	85/3,3	500/19,5	18 FLM 6x12	241606	609,4
S RKS 85.600	85/3,3	600/23,4	18 FLM 6x12	241705	755,3
F RKS 85.100 F	85/3,3	100/3,9	12 FLM 6x12 F	544608	196,6
F RKS 85.200 F	85/3,3	200/7,8	15 FLM 6x12 F	544707	285,9
F RKS 85.300 F	85/3,3	300/11,7	15 FLM 6x12 F	544806	392,1
F RKS 85.400 F	85/3,3	400/15,6	18 FLM 6x12 F	544905	515,2
F RKS 85.500 F	85/3,3	500/19,5	18 FLM 6x12 F	545001	655,1
F RKS 85.600 F	85/3,3	600/23,4	18 FLM 6x12 F	545100	811,9

to make 90° horizontal crosses  
solid side rails, perforated for splices, integrated splice plate



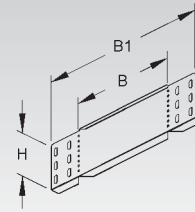
# CABLE TRAY SYSTEM

## Offset Reducing Splice Plate / Blind End

model no.	height (H)	width B	width B1	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
S RA 85.200	85/3,3	200/7,8	322	4 FLM 6x12	243341	25
S RA 85.400	85/3,3	400/15,6	522	4 FLM 6x12	243365	42
S RA 85.500	85/3,3	500/19,5	622	4 FLM 6x12	243372	50
S RA 85.600	85/3,3	600/23,4	722	4 FLM 6x12	243389	59
F RA 85.200 F	85/3,3	200/7,8	322	4 FLM 6X12 F	546749	25
F RA 85.400 F	85/3,3	400/15,6	522	4 FLM 6X12 F	546763	42
F RA 85.600 F	85/3,3	600/23,4	722	4 FLM 6X12 F	546787	59
F RA 85.500 F	85/3,3	500/19,5	622	4 FLM 6X12 F	546770	50

To close a dead end of a cable tray or for joining cable trays of different width.

85



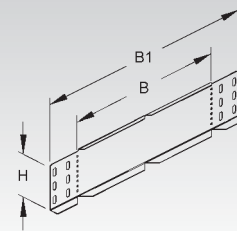
## Adjustable Horizontal Splice Plate / Blind End

model no.	height (H)	width B	width B1	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
S RAW 85.100	85/3,3	100/3,9	222	4 FLM 6x12	243334	17
S RAW 85.300	85/3,3	300/11,7	422	4 FLM 6x12	243358	33
F RAW 85.100 F	85/3,3	100/3,9	222	4 FLM 6x12 F	546732	17
F RAW 85.300 F	85/3,3	300/11,7	422	4 FLM 6x12 F	546756	33

to make horizontal bends

To close a dead end of a cable tray or for joining cable trays of different width.

85



## Adjustable Splice Plate

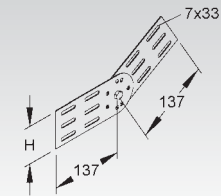
vertical

model no.	height (H)	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
S RGV 85	73/2,8	4 FLM 6x12	239702	33
F RGV 85 F	73/2,8	4 FLM 6x12 F	239801	33

for making vertical bends for cable trays

2 pieces required per joint

85



## Splice/Link Kit

vertical

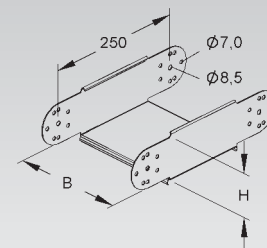
model no.	height (H)	width B	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch			
S RGE 85.100	85/3,3	100/3,9	2 SKM 8x16	242405	55
S RGE 85.200	85/3,3	200/7,8	2 SKM 8x16	242504	68
S RGE 85.300	85/3,3	300/11,7	2 SKM 8x16	242603	80
S RGE 85.400	85/3,3	400/15,6	2 SKM 8x16	242702	92
S RGE 85.500	85/3,3	500/19,5	2 SKM 8x16	242801	104
S RGE 85.600	85/3,3	600/23,4	2 SKM 8x16	242900	145
F RGE 85.100 F	85/3,3	100/3,9	2 SKM 8x16 F	545803	55
F RGE 85.200 F	85/3,3	200/7,8	2 SKM 8x16 F	545902	68
F RGE 85.300 F	85/3,3	300/11,7	2 SKM 8x16 F	546008	80
F RGE 85.400 F	85/3,3	400/15,6	2 SKM 8x16 F	546107	92
F RGE 85.500 F	85/3,3	500/19,5	2 SKM 8x16 F	546206	104
F RGE 85.600 F	85/3,3	600/23,4	2 SKM 8x16 F	546305	145

for linking sections of tray with a vertical displacement (single piece splice)

bottom blade and siderails with rounded edges for cable protection at the joints

To be used for: For enlarging the radius of RGS... and RGV vertical elbows.

85



## Adjustable Elbow

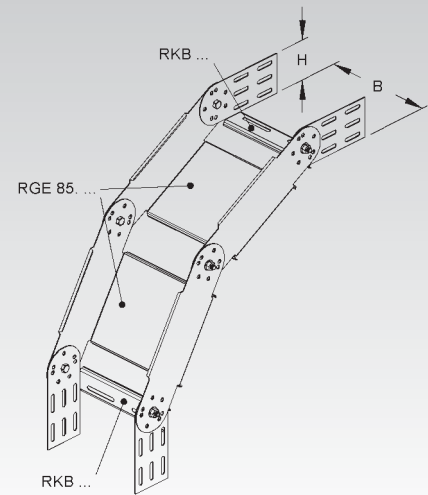
vertical

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RGS 85.100	85/3,3	100/3,9	14 FLM 6x12, 6 SKM 8x16	241804	129
S RGS 85.200	85/3,3	200/7,8	14 FLM 6x12, 6 SKM 8x16	241903	168
S RGS 85.300	85/3,3	300/11,7	14 FLM 6x12, 6 SKM 8x16	242009	203
S RGS 85.400	85/3,3	400/15,6	14 FLM 6x12, 6 SKM 8x16	242108	242
S RGS 85.500	85/3,3	500/19,5	14 FLM 6x12, 6 SKM 8x16	242207	279
S RGS 85.600	85/3,3	600/23,4	14 FLM 6x12, 6 SKM 8x16	242306	375
F RGS 85.100 F	85/3,3	100/3,9	14 FLM 6x12 F, 6 SKM 8x16 F	545209	129
F RGS 85.200 F	85/3,3	200/7,8	14 FLM 6x12 F, 6 SKM 8x16 F	545308	168
F RGS 85.300 F	85/3,3	300/11,7	14 FLM 6x12 F, 6 SKM 8x16 F	545407	203
F RGS 85.400 F	85/3,3	400/15,6	14 FLM 6x12 F, 6 SKM 8x16 F	545506	242
F RGS 85.500 F	85/3,3	500/19,5	14 FLM 6x12 F, 6 SKM 8x16 F	545605	279
F RGS 85.600 F	85/3,3	600/23,4	14 FLM 6x12 F, 6 SKM 8x16 F	545704	375

for linking sections of tray with a vertical displacement (multi piece splice)

A complete inside/outside vertical elbow kit consists of 2 x RGE..., 2 x RKB... and 2 x RGV... bottom blade and siderails with rounded edges for cable protection at the joints delivered as a kit (not assembled)

85

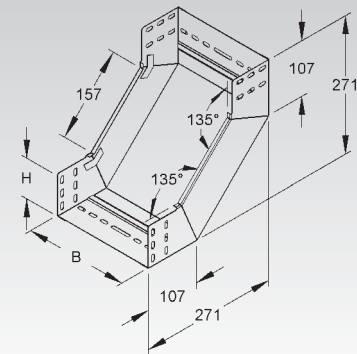


## Vertical Inside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RSD 85.100	85/3,3	100/3,9	4 FLM 6x12	928088	96
S RSD 85.200	85/3,3	200/7,8	5 FLM 6x12	928101	130
S RSD 85.300	85/3,3	300/11,7	5 FLM 6x12	928125	165
S RSD 85.400	85/3,3	400/15,6	6 FLM 6x12	928149	200
S RSD 85.500	85/3,3	500/19,5	6 FLM 6x12	928163	234
S RSD 85.600	85/3,3	600/23,4	6 FLM 6x12	928187	269

to make vertical inside elbows, 2x 45° solid side rails, perforated for splices, integrated splice plate

85

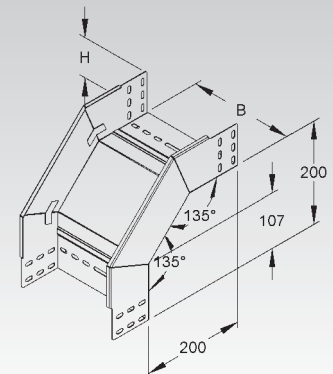


## Vertical Outside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RFD 85.100	85/3,3	100/3,9	4 FLM 6x12	927609	94
S RFD 85.200	85/3,3	200/7,8	5 FLM 6x12	927623	120
S RFD 85.300	85/3,3	300/11,7	5 FLM 6x12	927647	147
S RFD 85.400	85/3,3	400/15,6	6 FLM 6x12	927661	174
S RFD 85.500	85/3,3	500/19,5	6 FLM 6x12	927685	200
S RFD 85.600	85/3,3	600/23,4	6 FLM 6x12	927708	227

to make vertical outside elbows, 2x 45° solid side rails, perforated for splices, integrated splice plate

85



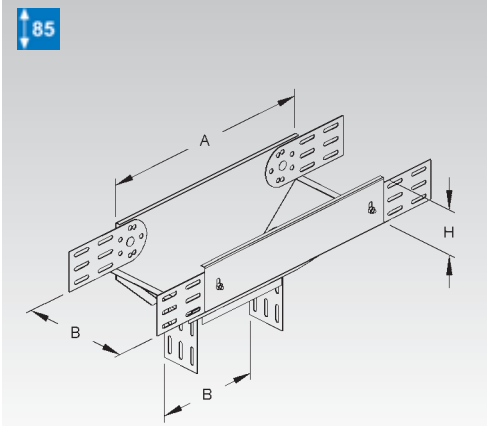
# CABLE TRAY SYSTEM

## Vertical Tee Down, lengthwise

model no.	height (H)	width B	length (A)	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
S RTL 85.100	85/3,3	100/3,9	201	20 FLM 6x12 + 3 RGV 85	793501	137
S RTL 85.200	85/3,3	200/7,8	401	20 FLM 6x12 + 3 RGV 85	793525	244
S RTL 85.300	85/3,3	300/11,7	701	20 FLM 6x12 + 3 RGV 85	793549	493
S RTL 85.400	85/3,3	400/15,6	801	20 FLM 6x12 + 3 RGV 85	793563	614
S RTL 85.500	85/3,3	500/19,5	901	20 FLM 6x12 + 3 RGV 85	793587	750
S RTL 85.600	85/3,3	600/23,4	1001	20 FLM 6x12 + 3 RGV 85	793600	903

Vertical Tee Down (branch-off) in longitudinal direction

Size of run and tap tray is identical.

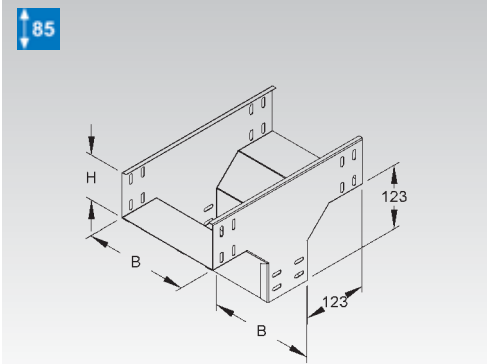


## Vertical Tee Down, crosswise

model no.	height (H)	width B	length (A)	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
S RTQ 85.100	85/3,3	100/3,9	336	8 FLM 6x12	793624	130
S RTQ 85.200	85/3,3	200/7,8	336	10 FLM 6x12	793648	170
S RTQ 85.300	85/3,3	300/11,7	336	10 FLM 6x12	793662	210
S RTQ 85.400	85/3,3	400/15,6	336	12 FLM 6x12	793686	230
S RTQ 85.500	85/3,3	500/19,5	336	12 FLM 6x12	793709	275
S RTQ 85.600	85/3,3	600/23,4	336	12 FLM 6x12	793723	320

Vertical Tee Down (branch-off) in transverse direction

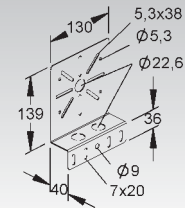
Size of run and tap tray is identical.



## Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
S RMP 130	2 FLM 6x12	206148	50
F RMP 130 F	2 FLM 6x12 F	206162	50

for mounting distribution or junction boxes

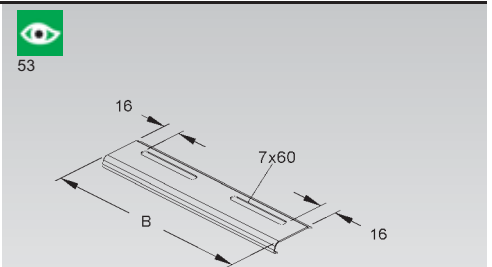


## Edge Protection Plate

model no.	width B	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
S RKB 100	92/3,6	1 FLM 6x12	270200	5
S RKB 200	192/7,5	2 FLM 6x12	270408	10
S RKB 300	292/11,4	2 FLM 6x12	270606	15
S RKB 400	392/15,3	2 FLM 6x12	270705	20
S RKB 500	492/19,2	2 FLM 6x12	270804	25
S RKB 600	592/23,1	2 FLM 6x12	271009	31
F RKB 100 F	92/3,6	1 FLM 6x12 F	563500	5
F RKB 200 F	192/7,5	2 FLM 6x12 F	563708	10
F RKB 300 F	292/11,4	2 FLM 6x12 F	563906	15
F RKB 400 F	392/15,3	2 FLM 6x12 F	564002	20
F RKB 500 F	492/19,2	2 FLM 6x12 F	564101	25
F RKB 600 F	592/23,1	2 FLM 6x12 F	564309	31

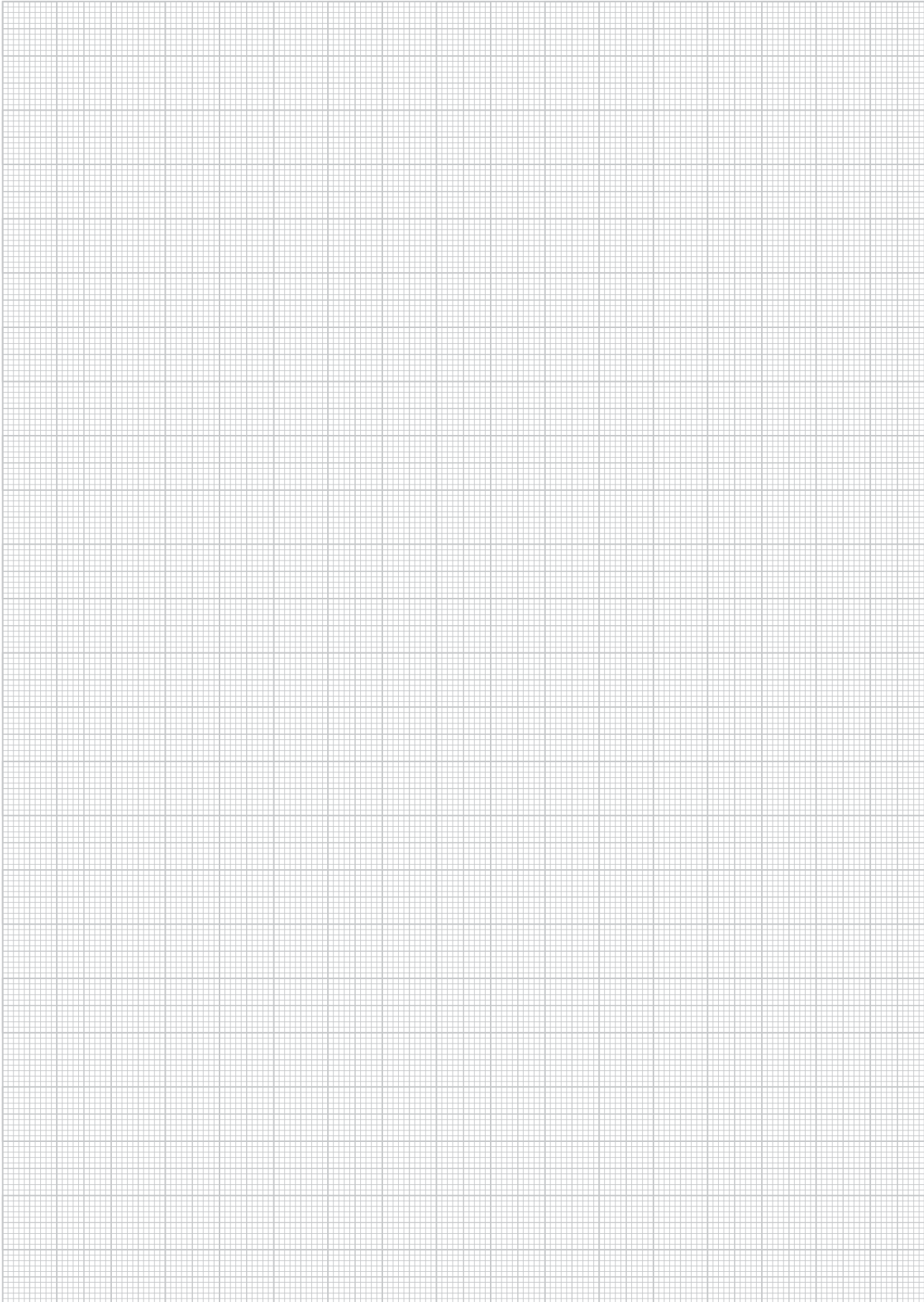
to reinforce the bottom of cable trays  
with rounded edges to protect cables at the joint

**To prevent accidents and injuries you must install edge protection plates! Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.**



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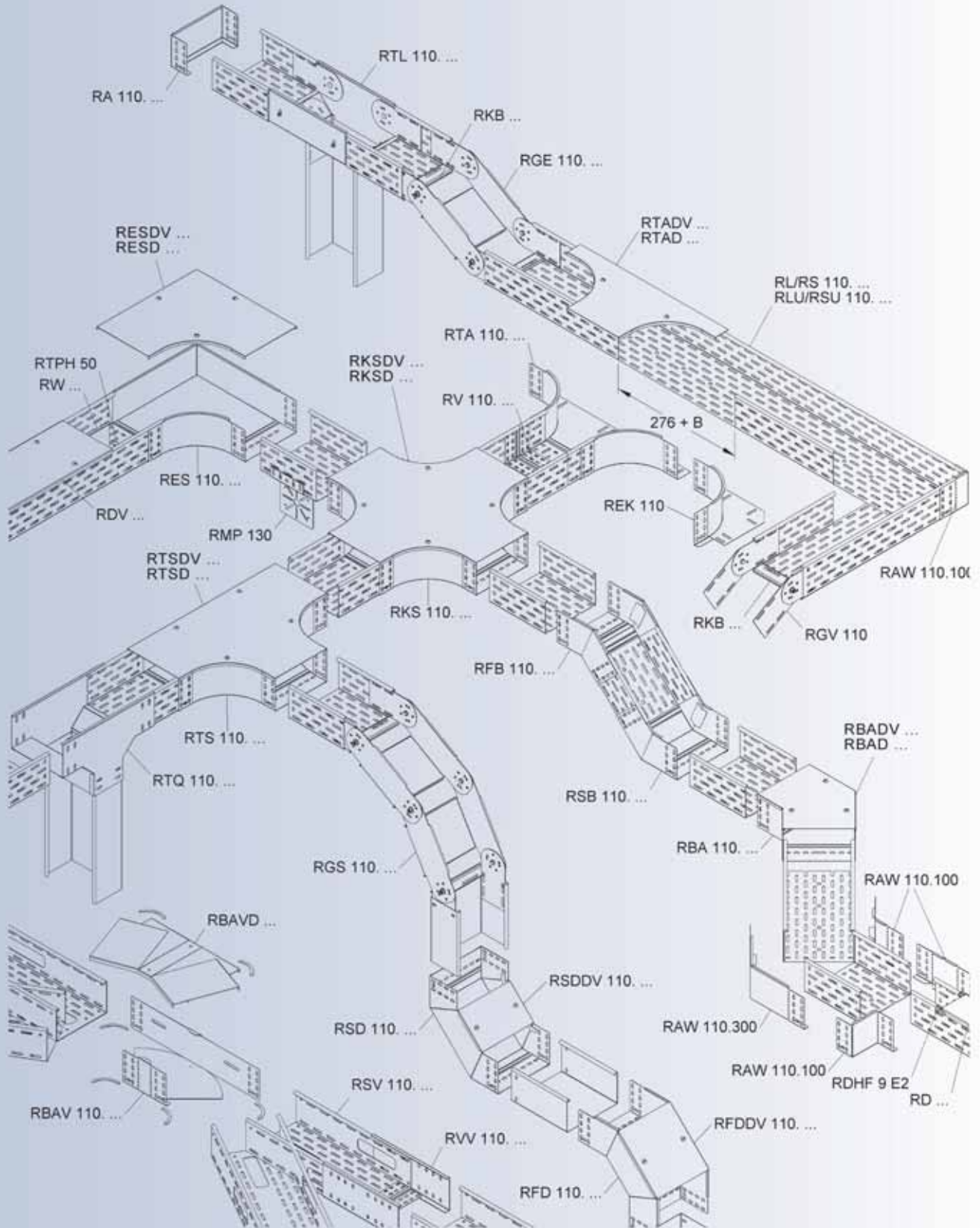




## Available Side Rail Heights

SYSTEM	Cable Tray, light version, ventilated	<b>RL</b>	Page 211
	Cable Tray, light version, non ventilated	<b>RLU</b>	Page 211
	Cable Tray, heavy duty version, ventilated	<b>RS</b>	Page 212
	Cable Tray, heavy duty version, non ventilated	<b>RSU</b>	Page 212
	Distribution Cable Tray, ventilated	<b>RSV</b>	Page 213
ACCESSORIES	Edge Protection Ring	<b>KSR 40</b>	Page 213
	Single-piece Splice Plate, u-shaped	<b>RV</b>	Page 214
	Three Piece Splice Plate Kit	<b>RVV</b>	Page 214
	Barrier Strip	<b>RW 110</b>	Page 214
	Splice Plate for Barrier Strip	<b>RTV 110</b>	Page 215
	Mounting Plate for Barrier Strip	<b>RTPH 50</b>	Page 215
	Extension Horizontal Tee	<b>RTA</b>	Page 216
	Extension Horizontal Elbow	<b>REK</b>	Page 216
	Flexible Horizontal Elbow	<b>RBAV</b>	Page 216
	Elbow 45°	<b>RBA</b>	Page 217
	Elbow 90°	<b>RES</b>	Page 217
	Horizontal Tee	<b>RTS</b>	Page 217
	Horizontal Cross	<b>RKS</b>	Page 218
	Offset Reducing Splice Plate	<b>RA</b>	Page 218
	Offset Reducing Splice Plate	<b>RAW</b>	Page 218
	Adjustable Splice Plate, vertical	<b>RGV</b>	Page 219
	Hinge Piece, vertical	<b>RGE</b>	Page 219
	Adjustable Elbow, vertical	<b>RGS</b>	Page 219
	Vertical Outside Elbow 45°	<b>RSB</b>	Page 220
	Vertical Outside Elbow	<b>RSD</b>	Page 220
	Vertical Inside Elbow 45°	<b>RFB</b>	Page 220
	Vertical Outside Elbow	<b>RFD</b>	Page 220
	Vertical Tee Down, straight	<b>RTL</b>	Page 221
	Vertical Tee Down, transverse	<b>RTQ</b>	Page 221
	Mounting Plate	<b>RMP 130</b>	Page 221
	Edge Protection Plate	<b>RKB</b>	Page 222

The covers of the cable tray system starting from page 223.





# CABLE TRAY SYSTEM

## Load / Span Class Designation in accordance with NEMA VE 1 and CSA E22.2 No. 126.1

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
RLX 110.100, ... F	234 / 0.36	129 / 0.2	113 / 76	2 / 6.6	8A, A
RLX 110.200, ... F	332 / 0.51	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLX 110.300, ... F	404 / 0.63	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLX 110.400, ... F	476 / 0.74	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLX 110.500, ... F	548 / 0.85	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLX 110.550, ... F	584 / 0.91	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLX 110.100 ... E3	208 / 0.32	129 / 0.2	113 / 76	2 / 6.6	8A, A
RLX 110.200 ... E3	266 / 0.41	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLX 110.300 ... E3	323 / 0.50	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLX 110.400 ... E3	428 / 0.66	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLX 110.500 ... E3	493 / 0.76	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLX 110.550 ... E3	526 / 0.82	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLUX 110.100, ... F	310 / 0.48	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLUX 110.200, ... F	444 / 0.69	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLUX 110.300, ... F	544 / 0.84	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLUX 110.400, ... F	644 / 1.00	645 / 1.0	113 / 76	2 / 6.6	8A, A
RLUX 110.500, ... F	744 / 1.15	645 / 1.0	113 / 76	2 / 6.6	8A, A
RLUX 110.550, ... F	794 / 1.23	645 / 1.0	113 / 76	2 / 6.6	8A, A
RLUX 110.100 ... E3	275 / 0.43	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLUX 110.200 ... E3	355 / 0.55	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLUX 110.300 ... E3	435 / 0.67	258 / 0.4	113 / 76	2 / 6.6	8A, A
RLUX 110.400 ... E3	580 / 0.90	452 / 0.7	113 / 76	2 / 6.6	8A, A
RLUX 110.500 ... E3	670 / 1.04	645 / 1.0	113 / 76	2 / 6.6	8A, A
RLUX 110.550 ... E3	715 / 1.11	645 / 1.0	113 / 76	2 / 6.6	8A, A
RSX 110.100, ... F	386 / 0.60	258 / 0.4	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.200, ... F	494 / 0.77	452 / 0.7	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.300, ... F	602 / 0.93	452 / 0.7	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.400, ... F	710 / 1.10	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.500, ... F	818 / 1.27	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.550, ... F	872 / 1.35	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.100, ... F	512 / 0.79	452 / 0.7	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.200, ... F	662 / 1.03	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.300, ... F	812 / 1.26	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.400, ... F	961 / 1.49	645 / 1.0	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.500, ... F	1112 / 1.72	968 / 1.5	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.550, ... F	1187 / 1.84	968 / 1.5	333 / 179.1	2 / 6.6	8A, 8B, 8C, A, C
RSVX 110.100, ... F *	368 / 0.57	258 / 0.4	66.5 / 44.7	3 / 9.8	8A, A
RSVX 110.150, ... F *	383 / 0.59	258 / 0.4	66.5 / 44.7	3 / 9.8	8A, A
RSVX 110.200, ... F *	437 / 0.68	258 / 0.4	66.5 / 44.7	3 / 9.8	8A, A
RSVX 110.300, ... F *	587 / 0.91	452 / 0.7	66.5 / 44.7	3 / 9.8	8A, A
RSVX 110.400, ... F *	716 / 1.11	645 / 1.0	66.5 / 44.7	3 / 9.8	8A, A

\* - tested by UL with the three piece splice plate kit RVVX in the middle of two supports

## Light Cable Tray

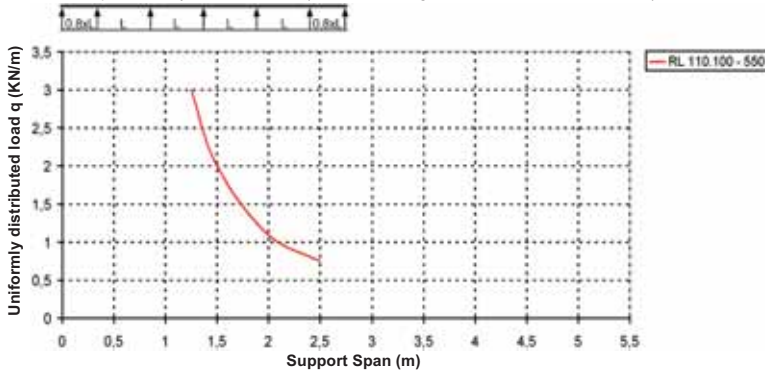
ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RL 110.100	110/4,3	100/3,9	0,9	8 FLM 6x12	243402	234
S	RL 110.200	110/4,3	200/7,8	1	10 FLM 6x12	243501	299
S	RL 110.300	110/4,3	300/11,7	1	10 FLM 6x12	243600	374
S	RL 110.400	110/4,3	400/15,6	1	12 FLM 6x12	243709	404
S	RL 110.500	110/4,3	500/19,5	1	12 FLM 6x12	243808	537
S	RL 110.550	110/4,3	550/21,4	1	12 FLM 6x12	243907	604
F	RL 110.100 F	110/4,3	100/3,9	0,9	8 FLM 6x12 F	244607	234
F	RL 110.200 F	110/4,3	200/7,8	1	10 FLM 6x12 F	244805	299
F	RL 110.300 F	110/4,3	300/11,7	1	10 FLM 6x12 F	245000	374
F	RL 110.400 F	110/4,3	400/15,6	1	12 FLM 6x12 F	245208	404
F	RL 110.500 F	110/4,3	500/19,5	1	12 FLM 6x12 F	245406	537
F	RL 110.550 F	110/4,3	550/21,4	1	12 FLM 6x12 F	245604	604
E3	RL 110.100 E3	110/4,3	100/3,9	0,8	8 FLM 6x12 E3	332205	184
E3	RL 110.200 E3	110/4,3	200/7,8	0,8	10 FLM 6x12 E3	332304	254
E3	RL 110.300 E3	110/4,3	300/11,7	0,8	10 FLM 6x12 E3	332403	307
E3	RL 110.400 E3	110/4,3	400/15,6	0,9	12 FLM 6x12 E3	332502	409
E3	RL 110.500 E3	110/4,3	500/19,5	0,9	12 FLM 6x12 E3	332601	472
E3	RL 110.550 E3	110/4,3	550/21,4	0,9	12 FLM 6x12 E3	332700	507

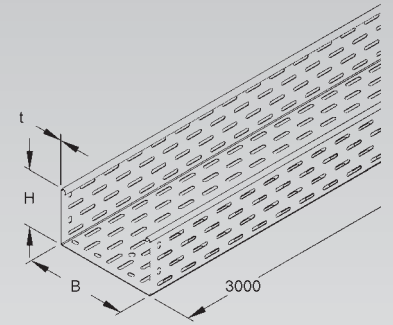
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



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## Light Cable Tray

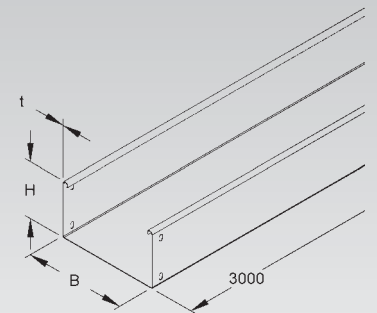
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RLU 110.100	110/4,3	100/3,9	0,9	8 FLM 6x12	244003	243
S	RLU 110.200	110/4,3	200/7,8	1	10 FLM 6x12	244102	314
S	RLU 110.300	110/4,3	300/11,7	1	10 FLM 6x12	244201	384
S	RLU 110.400	110/4,3	400/15,6	1	12 FLM 6x12	244300	506
S	RLU 110.500	110/4,3	500/19,5	1	12 FLM 6x12	244409	584
S	RLU 110.550	110/4,3	550/21,4	1	12 FLM 6x12	244508	623
F	RLU 110.100 F	110/4,3	100/3,9	0,9	8 FLM 6x12 F	244706	261,5
F	RLU 110.200 F	110/4,3	200/7,8	0,9	10 FLM 6x12 F	244904	337,5
F	RLU 110.300 F	110/4,3	300/11,7	0,9	10 FLM 6x12 F	245109	413
F	RLU 110.400 F	110/4,3	400/15,6	1	12 FLM 6x12 F	245307	544
F	RLU 110.500 F	110/4,3	500/19,5	1	12 FLM 6x12 F	245505	628
F	RLU 110.550 F	110/4,3	550/21,4	1	12 FLM 6x12 F	245703	670
E3	RLU 110.100 E3	110/4,3	100/3,9	0,8	8 FLM 6x12 E3	332809	212
E3	RLU 110.200 E3	110/4,3	200/7,8	0,8	10 FLM 6x12 E3	332908	292
E3	RLU 110.300 E3	110/4,3	300/11,7	0,8	10 FLM 6x12 E3	333004	357
E3	RLU 110.400 E3	110/4,3	400/15,6	0,9	12 FLM 6x12 E3	333103	475
E3	RLU 110.500 E3	110/4,3	500/19,5	0,9	12 FLM 6x12 E3	333202	548,5
E3	RLU 110.550 E3	110/4,3	550/21,4	0,9	12 FLM 6x12 E3	333301	588,5

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

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# CABLE TRAY SYSTEM

## Heavy Duty Cable Tray

ventilated

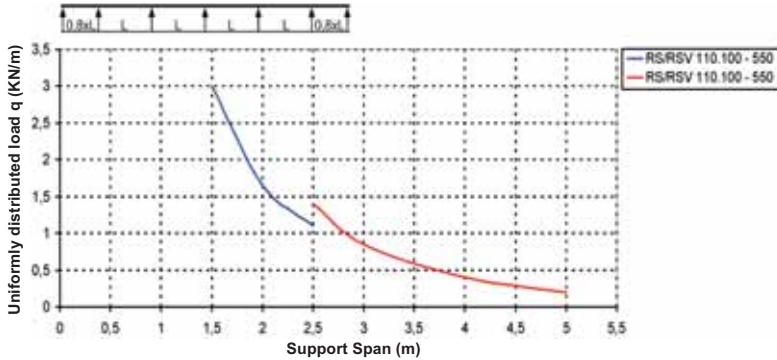
	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RS 110.100	110/4,3	100/3,9	1,5	8 FLM 6x12	245802	350
S	RS 110.200	110/4,3	200/7,8	1,5	10 FLM 6x12	246007	450
S	RS 110.300	110/4,3	300/11,7	1,5	10 FLM 6x12	246205	564
S	RS 110.400	110/4,3	400/15,6	1,5	12 FLM 6x12	246403	610
S	RS 110.500	110/4,3	500/19,5	1,5	12 FLM 6x12	246601	810
S	RS 110.550	110/4,3	550/21,4	1,5	12 FLM 6x12	246809	837
F	RS 110.100 F	110/4,3	100/3,9	1,5	8 FLM 6x12 F	247004	350
F	RS 110.200 F	110/4,3	200/7,8	1,5	10 FLM 6x12 F	247202	450
F	RS 110.300 F	110/4,3	300/11,7	1,5	10 FLM 6x12 F	247400	564
F	RS 110.400 F	110/4,3	400/15,6	1,5	12 FLM 6x12 F	247608	610
F	RS 110.500 F	110/4,3	500/19,5	1,5	12 FLM 6x12 F	247806	810
F	RS 110.550 F	110/4,3	550/21,4	1,5	12 FLM 6x12 F	248001	837

bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

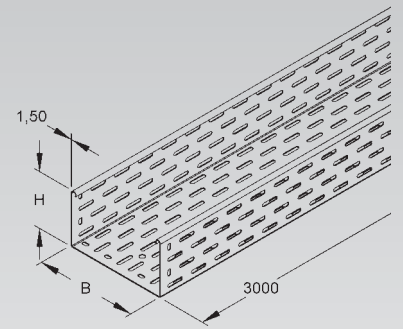
One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)

The red curve in the chart shows RS/RSV 110.xxx load rating using the heavy duty splice plate RVV.



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## Heavy Duty Cable Tray

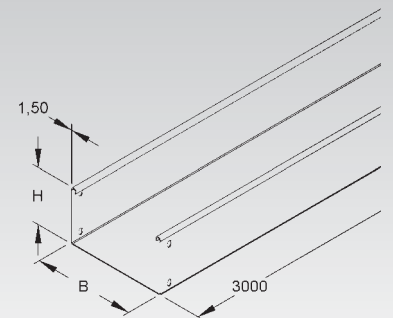
solid

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RSU 110.100	110/4,3	100/3,9	1,5	8 FLM 6x12	245901	402
S	RSU 110.200	110/4,3	200/7,8	1,5	10 FLM 6x12	246106	519
S	RSU 110.300	110/4,3	300/11,7	1,5	10 FLM 6x12	246304	637
S	RSU 110.400	110/4,3	400/15,6	1,5	12 FLM 6x12	246502	755
S	RSU 110.500	110/4,3	500/19,5	1,5	12 FLM 6x12	246700	873
S	RSU 110.550	110/4,3	550/21,4	1,5	12 FLM 6x12	246908	932
F	RSU 110.100 F	110/4,3	100/3,9	1,5	8 FLM 6x12 F	247103	432,5
F	RSU 110.200 F	110/4,3	200/7,8	1,5	10 FLM 6x12 F	247301	558
F	RSU 110.300 F	110/4,3	300/11,7	1,5	10 FLM 6x12 F	247509	685
F	RSU 110.400 F	110/4,3	400/15,6	1,5	12 FLM 6x12 F	247707	812
F	RSU 110.500 F	110/4,3	500/19,5	1,5	12 FLM 6x12 F	247905	938,5
F	RSU 110.550 F	110/4,3	550/21,4	1,5	12 FLM 6x12 F	248100	1002

with perforation for splices

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

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## Distribution Cable Tray

ventilated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RSV 110.100	110/4,3	100/3,9	1,5	12 FLM 6x12	259069	283
S	RSV 110.150	110/4,3	150/5,8	1,5	12 FLM 6x12	259106	350
S	RSV 110.200	110/4,3	200/7,8	1,5	12 FLM 6x12	259205	417
S	RSV 110.300	110/4,3	300/11,7	1,5	12 FLM 6x12	259304	564
S	RSV 110.400	110/4,3	400/15,6	1,5	12 FLM 6x12	259403	577
F	RSV 110.100 F	110/4,3	100/3,9	1,5	12 FLM 6x12 F	553655	283
F	RSV 110.150 F	110/4,3	150/5,8	1,5	12 FLM 6x12 F	553709	350
F	RSV 110.200 F	110/4,3	200/7,8	1,5	12 FLM 6x12 F	553808	417
F	RSV 110.300 F	110/4,3	300/11,7	1,5	12 FLM 6x12 F	553907	564
F	RSV 110.400 F	110/4,3	400/15,6	1,5	12 FLM 6x12 F	554003	577

bottom plate and side rail perforated with staggered punch holes, additional square punch holes (40 x 150 mm) for cable drop outs

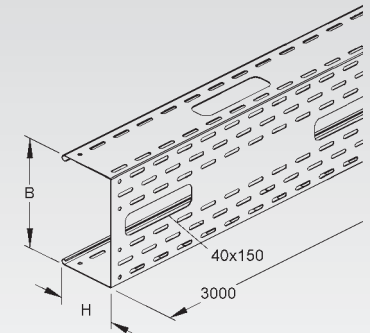
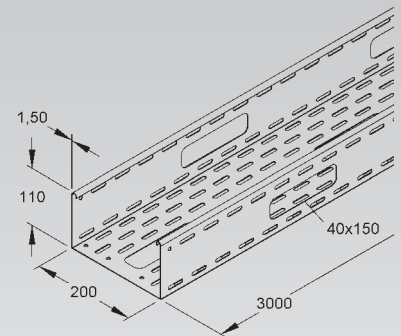
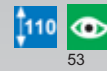
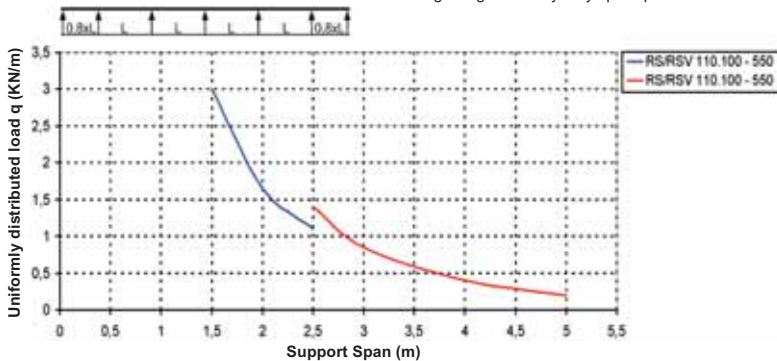
**Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.**

To be used for: cable trays RL.... and RLU..., RS... and RSU... and distribution tray RSV ...

One corresponding splice plate RV 35/50/60/85 or RV110 included with every straight section of cable tray.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)

The red curve in the chart shows RS/RSV 110.xxx load rating using the heavy duty splice plate RVV.



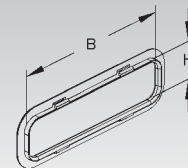
## Edge Protection Ring

	model no.	inside dimension (H) mm/Inch	inside dimension (B) mm/Inch	EAN code	Weight per 100 pc. kg
K03	KSR 40	34,5	144,5	258901	1,3

to protect cables against damages at the dropouts of the distribution tray

**To prevent accidents and injuries you must install the edge protection ring.**

To be used for: distribution cable tray RSV 110...



# CABLE TRAY SYSTEM

## U-shaped Single Piece Splice Plate

for additional requirements

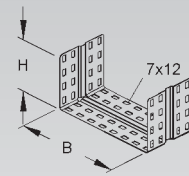
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RV 110.100	99/3,9	97/3,8	8 FLM 6x12	273607	23
S RV 110.150	99/3,9	147/5,7	8 FLM 6x12	273652	27
S RV 110.200	99/3,9	197/7,7	10 FLM 6x12	273706	31
S RV 110.300	99/3,9	297/11,6	10 FLM 6x12	273805	39
S RV 110.400	99/3,9	397/15,5	12 FLM 6x12	273904	47
S RV 110.500	99/3,9	497/19,4	12 FLM 6x12	274000	55
S RV 110.550	99/3,9	547/21,3	12 FLM 6x12	274109	58
F RV 110.100 F	99/3,9	97/3,8	8 FLM 6x12 F	553105	23
F RV 110.150 F	99/3,9	147/5,7	8 FLM 6x12 F	553150	27
F RV 110.200 F	99/3,9	197/7,7	10 FLM 6x12 F	553204	31
F RV 110.300 F	99/3,9	297/11,6	10 FLM 6x12 F	553303	39
F RV 110.400 F	99/3,9	397/15,5	12 FLM 6x12 F	553402	47
F RV 110.500 F	99/3,9	497/19,4	12 FLM 6x12 F	553501	55
F RV 110.550 F	99/3,9	547/21,3	12 FLM 6x12 F	553600	58
E3 RV 110.100 E3	99/3,9	100/3,9	8 FLM 6x12 E3	920303	17
E3 RV 110.200 E3	99/3,9	200/7,8	10 FLM 6x12 E3	920310	24
E3 RV 110.300 E3	99/3,9	300/11,7	10 FLM 6x12 E3	920327	30
E3 RV 110.400 E3	99/3,9	400/15,6	12 FLM 6x12 E3	920334	36
E3 RV 110.500 E3	99/3,9	500/19,5	12 FLM 6x12 E3	920341	42
E3 RV 110.550 E3	99/3,9	550/21,4	12 FLM 6x12 E3	920358	48

The U-shaped splice plate is easy to install. It's a time saving replacement of the classical three piece splice plate.

To be used for: cable trays RL.... and RLU..., RS... and RSU... and distribution tray RSV ...

An RV type splice plate is included with every straight piece of RL, RS or RSV tray.

110



## Three Piece Splice Plate Kit

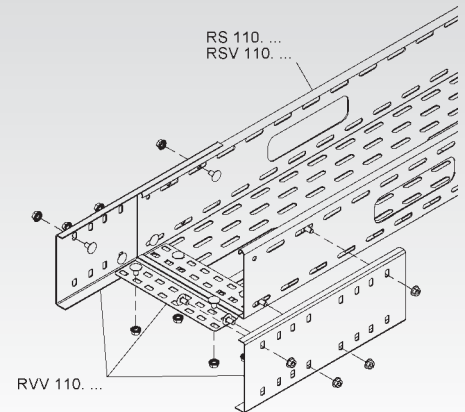
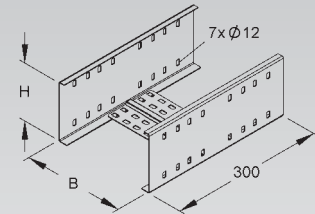
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RVV 110.100	111/4,3	100/3,9	12 FLM 6x12	259663	120
S RVV 110.150	111/4,3	150/5,8	12 FLM 6x12	259700	125
S RVV 110.200	111/4,3	200/7,8	12 FLM 6x12	259809	130
S RVV 110.300	111/4,3	300/11,7	12 FLM 6x12	259908	140
S RVV 110.400	111/4,3	400/15,6	12 FLM 6x12	260003	145
S RVV 110.500	111/4,3	500/19,5	12 FLM 6x12	260041	150
S RVV 110.550	111/4,3	550/21,4	12 FLM 6x12	260065	155
F RVV 110.100 F	111/4,3	100/3,9	12 FLM 6x12 F	554058	120
F RVV 110.150 F	111/4,3	150/5,8	12 FLM 6x12 F	554102	125
F RVV 110.200 F	111/4,3	200/7,8	12 FLM 6x12 F	554201	130
F RVV 110.300 F	111/4,3	300/11,7	12 FLM 6x12 F	554300	140
F RVV 110.400 F	111/4,3	400/15,6	12 FLM 6x12 F	554409	145
F RVV 110.500 F	111/4,3	500/19,5	12 FLM 6x12 F	554447	150
F RVV 110.550 F	111/4,3	550/21,4	12 FLM 6x12 F	554461	155

for positive locking connections of heavy duty cable trays with proper electrical conductivity

To be used for: max. support span for RS/RSV 110....: 5 meters

Slotted mushroom head screws along with serrated flange nuts are easy to install and a guarantee for long-term statically and electrically safe joints.

110



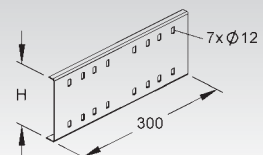
## Splice Plate

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
E3 RVV 110 E3	111/4,3	4 FLM 6x12 E3	732005	64

for positive locking connections of cable trays with proper electrical conductivity

2 pieces required per joint

110



### Barrier Strip

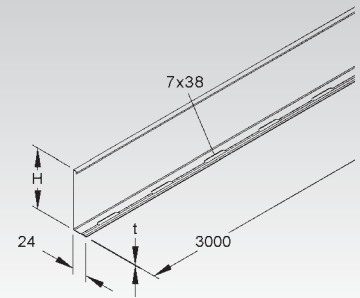
model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 110	98/3,8	0,9	4 FLM 6x12	251001	90
<b>F</b> RW 110 F	98/3,8	0,9	4 FLM 6x12 F	251100	90
<b>E3</b> RW 110 E3	98/3,8	0,9	4 FLM 6x12 E3	333509	92

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.



65



### Splice Plate for Barrier Strip

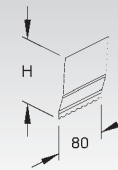
model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



65

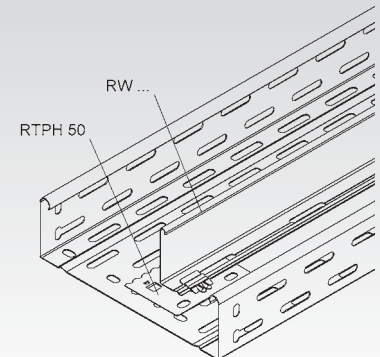
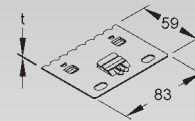


### Mounting Plate for Barrier Strip

model no.	length (A) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> RTPH 50	83/3,2	59/2,3	0,9	231973	4

To be used for: cable trays RL..., RS..., RLC 60... (from width of 200 mm) and distribution cable tray RSV110...

The barrier strip mounting device locks into the perforation of the tray while the barrier strip itself snaps into the latch of the device.

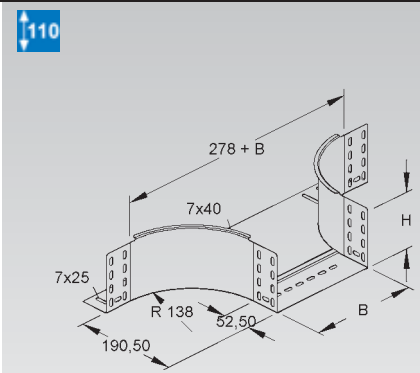


# CABLE TRAY SYSTEM

## Extension Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RTA 110.100	110/4,3	100/3,9	10 FLM 6x12	252503	92,3
S	RTA 110.150	110/4,3	150/5,8	10 FLM 6x12	252602	100,8
S	RTA 110.200	110/4,3	200/7,8	10 FLM 6x12	252701	109,2
S	RTA 110.300	110/4,3	300/11,7	10 FLM 6x12	252800	126,2
S	RTA 110.400	110/4,3	400/15,6	10 FLM 6x12	252909	143,3
S	RTA 110.500	110/4,3	500/19,5	10 FLM 6x12	253005	159,8
S	RTA 110.550	110/4,3	550/21,4	10 FLM 6x12	253104	168,3
F	RTA 110.100 F	110/4,3	100/3,9	10 FLM 6x12 F	548606	99,2
F	RTA 110.150 F	110/4,3	150/5,8	10 FLM 6x12 F	548651	108,3
F	RTA 110.200 F	110/4,3	200/7,8	10 FLM 6x12 F	548705	117,4
F	RTA 110.300 F	110/4,3	300/11,7	10 FLM 6x12 F	548804	135,6
F	RTA 110.400 F	110/4,3	400/15,6	10 FLM 6x12 F	548903	154,1
F	RTA 110.500 F	110/4,3	500/19,5	10 FLM 6x12 F	549009	171,8
F	RTA 110.550 F	110/4,3	550/21,4	10 FLM 6x12 F	549108	180,9
E3	RTA 110.100 E3	110/4,3	100/3,9	10 FLM 6x12 E3	334209	89
E3	RTA 110.200 E3	110/4,3	200/7,8	10 FLM 6x12 E3	334308	108,3
E3	RTA 110.300 E3	110/4,3	300/11,7	10 FLM 6x12 E3	334407	119,2
E3	RTA 110.400 E3	110/4,3	400/15,6	10 FLM 6x12 E3	334506	153,8
E3	RTA 110.500 E3	110/4,3	500/19,5	10 FLM 6x12 E3	334605	172,3
E3	RTA 110.550 E3	110/4,3	550/21,4	10 FLM 6x12 E3	334704	181,8

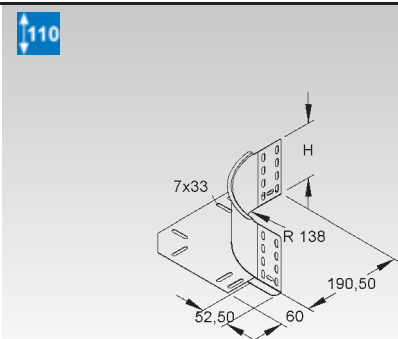
to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate



## Extension Horizontal Elbow

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	REK 110	110/4,3	6 FLM 6x12	253203	43,9
F	REK 110 F	110/4,3	6 FLM 6x12 F	549207	47,2
E3	REK 110 E3	110/4,3	6 FLM 6x12 E3	334902	42,4

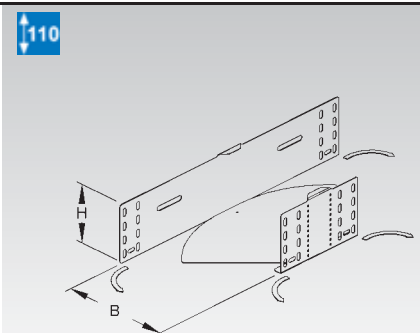
to make 90° elbows and T-fittings  
solid side rails, perforated for splices, overlapping bottom plate



## Flexible Horizontal Elbow

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ S	RBAV 110.100	110/4,3	100/3,9	10 FLM 6x12	922406	56
★ S	RBAV 110.150	110/4,3	150/5,8	10 FLM 6x12	922413	74
★ S	RBAV 110.200	110/4,3	200/7,8	10 FLM 6x12	922420	93
★ S	RBAV 110.300	110/4,3	300/11,7	10 FLM 6x12	922444	140
★ S	RBAV 110.400	110/4,3	400/15,6	10 FLM 6x12	922468	198
★ S	RBAV 110.500	110/4,3	500/19,5	14 FLM 6x12	922482	270
★ S	RBAV 110.550	110/4,3	550/21,4	14 FLM 6x12	922499	310

horizontal splice, adjustable from 0° to 90°  
solid side rails, perforated for splices  
solid joint due to an overlapping bottom of fitting and cable tray

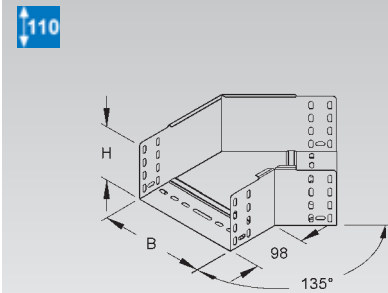




### Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RBA 110.100	110/4,3	100/3,9	4 FLM 6x12	251209	63,3
S RBA 110.150	110/4,3	150/5,8	4 FLM 6x12	251254	79,3
S RBA 110.200	110/4,3	200/7,8	5 FLM 6x12	251308	96,9
S RBA 110.300	110/4,3	300/11,7	5 FLM 6x12	251407	137
S RBA 110.400	110/4,3	400/15,6	6 FLM 6x12	251506	183,8
S RBA 110.500	110/4,3	500/19,5	6 FLM 6x12	251605	236,9
S RBA 110.550	110/4,3	550/21,4	6 FLM 6x12	251704	265,9
F RBA 110.100 F	110/4,3	100/3,9	4 FLM 6x12 F	547401	68
F RBA 110.150 F	110/4,3	150/5,8	4 FLM 6x12 F	547456	85,2
F RBA 110.200 F	110/4,3	200/7,8	5 FLM 6x12 F	547500	104,1
F RBA 110.300 F	110/4,3	300/11,7	5 FLM 6x12 F	547609	147,3
F RBA 110.400 F	110/4,3	400/15,6	6 FLM 6x12 F	547708	197,6
F RBA 110.500 F	110/4,3	500/19,5	6 FLM 6x12 F	547807	254,7
F RBA 110.550 F	110/4,3	550/21,4	6 FLM 6x12 F	547906	285,9

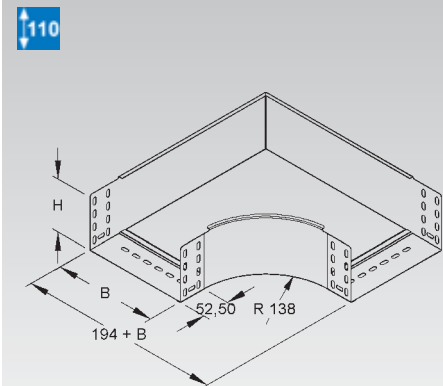
to make a horizontal 45° elbow  
solid side rails, perforated for splices, integrated splice plate



### Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RES 110.100	110/4,3	100/3,9	4 FLM 6x12	251803	118,7
S RES 110.150	110/4,3	150/5,8	4 FLM 6x12	251858	150,4
S RES 110.200	110/4,3	200/7,8	5 FLM 6x12	251902	195,1
S RES 110.300	110/4,3	300/11,7	5 FLM 6x12	252008	283
S RES 110.400	110/4,3	400/15,6	6 FLM 6x12	252107	386,2
S RES 110.500	110/4,3	500/19,5	6 FLM 6x12	252206	505,5
S RES 110.550	110/4,3	550/21,4	6 FLM 6x12	252305	571,1
F RES 110.100 F	110/4,3	100/3,9	4 FLM 6x12 F	548002	127,6
F RES 110.150 F	110/4,3	150/5,8	4 FLM 6x12 F	548057	161,7
F RES 110.200 F	110/4,3	200/7,8	5 FLM 6x12 F	548101	209,7
F RES 110.300 F	110/4,3	300/11,7	5 FLM 6x12 F	548200	304,2
F RES 110.400 F	110/4,3	400/15,6	6 FLM 6x12 F	548309	415,2
F RES 110.500 F	110/4,3	500/19,5	6 FLM 6x12 F	548408	543,5
F RES 110.550 F	110/4,3	550/21,4	6 FLM 6x12 F	548507	613,9

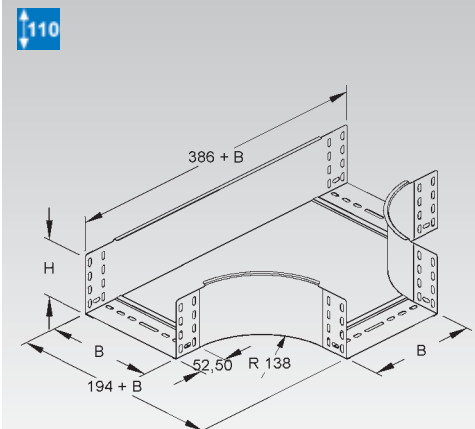
to make 90° horizontal elbows  
solid side rails, perforated for splices, integrated splice plate



### Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTS 110.100	110/4,3	100/3,9	8 FLM 6x12	254200	153,9
S RTS 110.150	110/4,3	150/5,8	8 FLM 6x12	254255	187,5
S RTS 110.200	110/4,3	200/7,8	10 FLM 6x12	254309	237,4
S RTS 110.300	110/4,3	300/11,7	10 FLM 6x12	254408	330,8
S RTS 110.400	110/4,3	400/15,6	12 FLM 6x12	254507	439,8
S RTS 110.500	110/4,3	500/19,5	12 FLM 6x12	254606	564,7
F RTS 110.100 F	110/4,3	100/3,9	8 FLM 6x12 F	550005	165,4
F RTS 110.150 F	110/4,3	150/5,8	8 FLM 6x12 F	550050	201,6
F RTS 110.200 F	110/4,3	200/7,8	10 FLM 6x12 F	550104	255,2
F RTS 110.300 F	110/4,3	300/11,7	10 FLM 6x12 F	550203	355,6
F RTS 110.400 F	110/4,3	400/15,6	12 FLM 6x12 F	550302	472,8
F RTS 110.500 F	110/4,3	500/19,5	12 FLM 6x12 F	550401	606,9
F RTS 110.550 F	110/4,3	550/21,4	12 FLM 6x12 F	550500	680,3

to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate

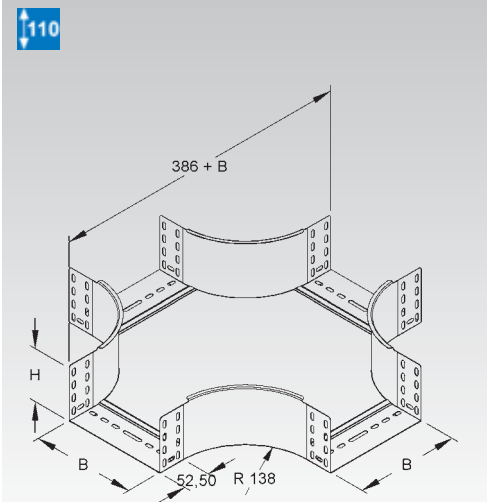


# CABLE TRAY SYSTEM

## Horizontal Cross

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RKS 110.100	110/4,3	100/3,9	12 FLM 6x12	254804	194,4
S	RKS 110.150	110/4,3	150/5,8	12 FLM 6x12	254859	233,9
S	RKS 110.200	110/4,3	200/7,8	15 FLM 6x12	254903	277,4
S	RKS 110.300	110/4,3	300/11,7	15 FLM 6x12	255009	376,2
S	RKS 110.400	110/4,3	400/15,6	18 FLM 6x12	255108	490,7
S	RKS 110.500	110/4,3	500/19,5	18 FLM 6x12	255207	620,8
S	RKS 110.550	110/4,3	550/21,4	18 FLM 6x12	255306	691,8
F	RKS 110.100 F	110/4,3	100/3,9	12 FLM 6x12 F	550609	208,9
F	RKS 110.150 F	110/4,3	150/5,8	12 FLM 6x12 F	550654	251,5
F	RKS 110.200 F	110/4,3	200/7,8	15 FLM 6x12 F	550708	298,2
F	RKS 110.300 F	110/4,3	300/11,7	15 FLM 6x12 F	550807	404,4
F	RKS 110.400 F	110/4,3	400/15,6	18 FLM 6x12 F	550906	527,5
F	RKS 110.500 F	110/4,3	500/19,5	18 FLM 6x12 F	551002	667,4
F	RKS 110.550 F	110/4,3	550/21,4	18 FLM 6x12 F	551101	743,7

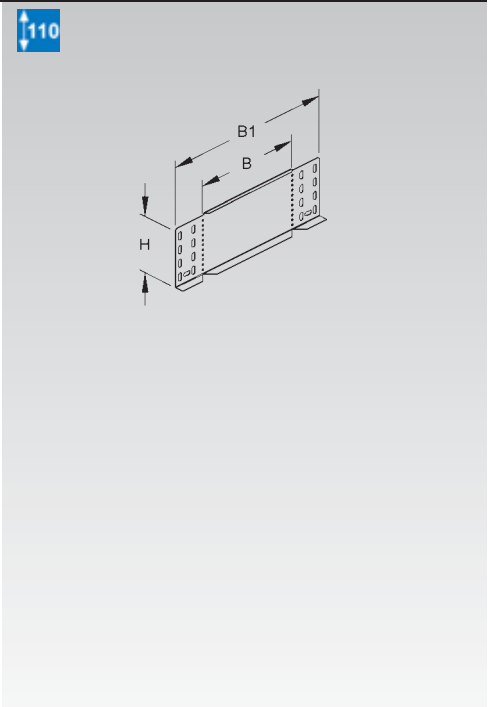
to make 90° horizontal crosses  
solid side rails, perforated for splices, integrated splice plate



## Offset Reducing Splice Plate / Blind End

	model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RA 110.050	110/4,3	50/2	172	4 FLM 6x12	764105	15
S	RA 110.150	110/4,3	150/5,8	272	4 FLM 6x12	764303	26
S	RA 110.200	110/4,3	200/7,8	322	4 FLM 6x12	764402	31
S	RA 110.250	110/4,3	250/9,8	372	4 FLM 6x12	764501	36
S	RA 110.350	110/4,3	350/13,6	472	4 FLM 6x12	764709	47
S	RA 110.400	110/4,3	400/15,6	522	4 FLM 6x12	764808	52
S	RA 110.500	110/4,3	500/19,5	622	4 FLM 6x12	764907	62
S	RA 110.550	110/4,3	550/21,4	672	4 FLM 6x12	765003	67
F	RA 110.050 F	110/4,3	50/2	172	4 FLM 6x12 F	765102	15
F	RA 110.150 F	110/4,3	150/5,8	272	4 FLM 6x12 F	765300	26
F	RA 110.200 F	110/4,3	200/7,8	322	4 FLM 6x12 F	765409	31
F	RA 110.250 F	110/4,3	250/9,8	372	4 FLM 6x12 F	765508	36
F	RA 110.350 F	110/4,3	350/13,6	472	4 FLM 6x12 F	765706	47
F	RA 110.400 F	110/4,3	400/15,6	522	4 FLM 6x12 F	765805	52
F	RA 110.500 F	110/4,3	500/19,5	622	4 FLM 6x12 F	765904	62
F	RA 110.550 F	110/4,3	550/21,4	672	4 FLM 6x12 F	766000	67
E3	RA 110.050 E3	110/4,3	50/2	172	4 FLM 6x12 E3	840809	15
E3	RA 110.150 E3	110/4,3	150/5,8	272	4 FLM 6x12 E3	840847	
E3	RA 110.200 E3	110/4,3	200/7,8	322	4 FLM 6x12 E3	840861	31
E3	RA 110.250 E3	110/4,3	250/9,8	372	4 FLM 6x12 E3	840885	
E3	RA 110.350 E3	110/4,3	350/13,6	472	4 FLM 6x12 E3	840922	
E3	RA 110.400 E3	110/4,3	400/15,6	522	4 FLM 6x12 E3	840946	52
E3	RA 110.500 E3	110/4,3	500/19,5	622	4 FLM 6x12 E3	840960	62
E3	RA 110.550 E3	110/4,3	550/21,4	672	4 FLM 6x12 E3	840984	67

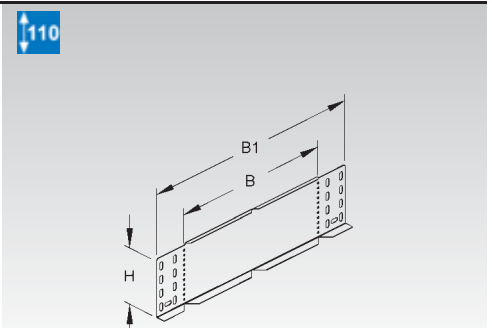
To close a dead end of a cable tray or for joining cable trays of different width.



## Adjustable Horizontal Splice Plate / Blind End

	model no.	height (H) mm/Inch	width B mm/Inch	width B1 mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RAW 110.100	110/4,3	100/3,9	222	4 FLM 6x12	764204	21
S	RAW 110.300	110/4,3	300/11,7	422	4 FLM 6x12	764600	41
F	RAW 110.100 F	110/4,3	100/3,9	222	4 FLM 6x12 F	765201	21
F	RAW 110.300 F	110/4,3	300/11,7	422	4 FLM 6x12 F	765607	41
E3	RAW 110.100 E3	110/4,3	100/3,9	222	4 FLM 6x12 E3	840823	21
E3	RAW 110.300 E3	110/4,3	300/11,7	422	4 FLM 6x12 E3	840908	41

to make horizontal bends  
To close a dead end of a cable tray or for joining cable trays of different width.



## Adjustable Splice Plate

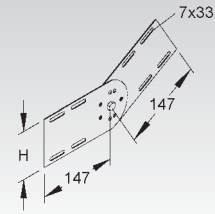
vertical

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RGV 110	93/3,6	4 FLM 6x12	253302	45
F	RGV 110 F	93/3,6	4 FLM 6x12 F	253401	45
E3	RGV 110 E3	93/3,6	4 FLM 6x12 E3	335107	45

for making vertical bends for cable trays

2 pieces required per joint

110



## Splice/Link Kit

vertical

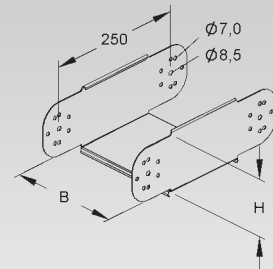
	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RGE 110.100	110/4,3	100/3,9	2 SKM 8x16	256006	66
S	RGE 110.150	110/4,3	150/5,8	2 SKM 8x16	256051	71
S	RGE 110.200	110/4,3	200/7,8	2 SKM 8x16	256105	79
S	RGE 110.300	110/4,3	300/11,7	2 SKM 8x16	256204	91
S	RGE 110.400	110/4,3	400/15,6	2 SKM 8x16	256303	103
S	RGE 110.500	110/4,3	500/19,5	2 SKM 8x16	256402	115
S	RGE 110.550	110/4,3	550/21,4	2 SKM 8x16	256501	121
F	RGE 110.100 F	110/4,3	100/3,9	2 SKM 8x16 F	551804	66
F	RGE 110.150 F	110/4,3	150/5,8	2 SKM 8x16 F	551859	71
F	RGE 110.200 F	110/4,3	200/7,8	2 SKM 8x16 F	551903	79
F	RGE 110.300 F	110/4,3	300/11,7	2 SKM 8x16 F	552009	91
F	RGE 110.400 F	110/4,3	400/15,6	2 SKM 8x16 F	552108	103
F	RGE 110.500 F	110/4,3	500/19,5	2 SKM 8x16 F	552207	115
F	RGE 110.550 F	110/4,3	550/21,4	2 SKM 8x16 F	552306	121

for linking sections of tray with a vertical displacement (single piece splice)

bottom blade and siderails with rounded edges for cable protection at the joints

To be used for: For enlarging the radius of RGS... and RGV vertical elbows.

110



## Adjustable Elbow

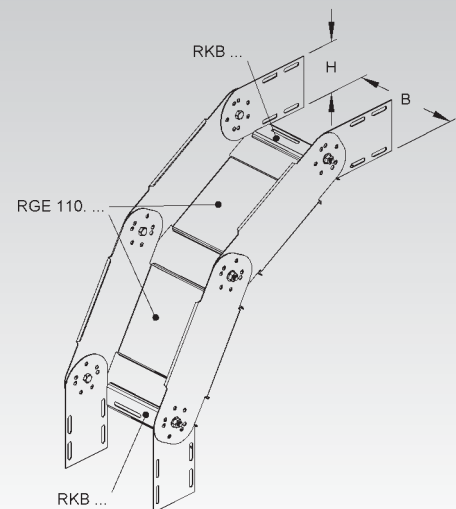
vertical

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RGS 110.100	110/4,3	100/3,9	14 FLM 6x12, 6 SKM 8x16	255405	151
S	RGS 110.150	110/4,3	150/5,8	14 FLM 6x12, 6 SKM 8x16	255450	172
S	RGS 110.200	110/4,3	200/7,8	14 FLM 6x12, 6 SKM 8x16	255504	190
S	RGS 110.300	110/4,3	300/11,7	14 FLM 6x12, 6 SKM 8x16	255603	225
S	RGS 110.400	110/4,3	400/15,6	14 FLM 6x12, 6 SKM 8x16	255702	264
S	RGS 110.500	110/4,3	500/19,5	14 FLM 6x12, 6 SKM 8x16	255801	301
S	RGS 110.550	110/4,3	550/21,4	14 FLM 6x12, 6 SKM 8x16	255900	319
F	RGS 110.100 F	110/4,3	100/3,9	14 FLM 6x12 F, 6 SKM 8x16 F	551200	151
F	RGS 110.150 F	110/4,3	150/5,8	14 FLM 6x12 F, 6 SKM 8x16 F	551255	172
F	RGS 110.200 F	110/4,3	200/7,8	14 FLM 6x12 F, 6 SKM 8x16 F	551309	190
F	RGS 110.300 F	110/4,3	300/11,7	14 FLM 6x12 F, 6 SKM 8x16 F	551408	225
F	RGS 110.400 F	110/4,3	400/15,6	14 FLM 6x12 F, 6 SKM 8x16 F	551507	264
F	RGS 110.500 F	110/4,3	500/19,5	14 FLM 6x12 F, 6 SKM 8x16 F	551606	301
F	RGS 110.550 F	110/4,3	550/21,4	14 FLM 6x12 F, 6 SKM 8x16 F	551705	319

for linking sections of tray with a vertical displacement (multi piece splice)

A complete inside/outside vertical elbow kit consists of 2 x RGE..., 2 x RKB... and 2 x RGV...  
bottom blade and siderails with rounded edges for cable protection at the joints  
delivered as a kit (not assembled)

110



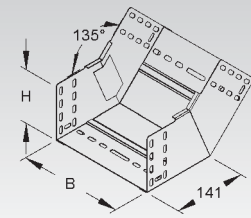
# CABLE TRAY SYSTEM

## Vertical Inside Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RSB 110.100	110/4,3	100/3,9	4 FLM 6x12	814008	70,3
S RSB 110.150	110/4,3	150/5,8	4 FLM 6x12	814053	81,1
S RSB 110.200	110/4,3	200/7,8	5 FLM 6x12	814107	91,8
S RSB 110.300	110/4,3	300/11,7	5 FLM 6x12	814152	113,4
S RSB 110.400	110/4,3	400/15,6	6 FLM 6x12	814206	134,9
S RSB 110.500	110/4,3	500/19,5	6 FLM 6x12	814251	156,4
S RSB 110.550	110/4,3	550/21,4	6 FLM 6x12	814305	167,2

to make vertical 45° inside elbows  
solid side rails, perforated for splices, integrated splice plate

110

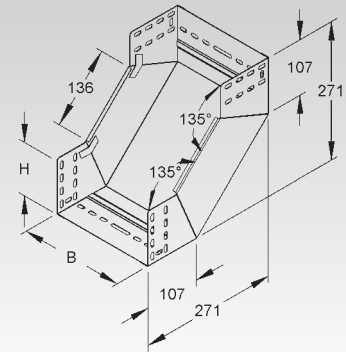


## Vertical Inside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RSD 110.100	110/4,3	100/3,9	4 FLM 6x12	928200	106
S RSD 110.150	110/4,3	150/5,8	4 FLM 6x12	928217	123,4
S RSD 110.200	110/4,3	200/7,8	5 FLM 6x12	928224	141
S RSD 110.300	110/4,3	300/11,7	5 FLM 6x12	928248	175
S RSD 110.400	110/4,3	400/15,6	6 FLM 6x12	928262	210
S RSD 110.500	110/4,3	500/19,5	6 FLM 6x12	928286	244
S RSD 110.550	110/4,3	550/21,4	6 FLM 6x12	928293	261

to make vertical inside elbows, 2x 45°  
solid side rails, perforated for splices, integrated splice plate

110

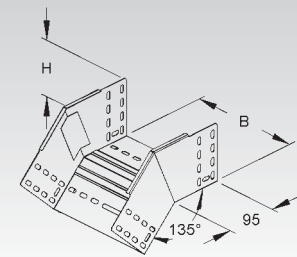


## Vertical Outside Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RFB 110.100	110/4,3	100/3,9	4 FLM 6x12	814350	62
S RFB 110.150	110/4,3	150/5,8	4 FLM 6x12	814404	69,3
S RFB 110.200	110/4,3	200/7,8	5 FLM 6x12	814459	76,5
S RFB 110.300	110/4,3	300/11,7	5 FLM 6x12	814503	91
S RFB 110.400	110/4,3	400/15,6	6 FLM 6x12	814558	105,4
S RFB 110.500	110/4,3	500/19,5	6 FLM 6x12	814602	119,9
S RFB 110.550	110/4,3	550/21,4	6 FLM 6x12	814657	127,1

to make vertical 45° outside elbows  
solid side rails, perforated for splices, integrated splice plate

110

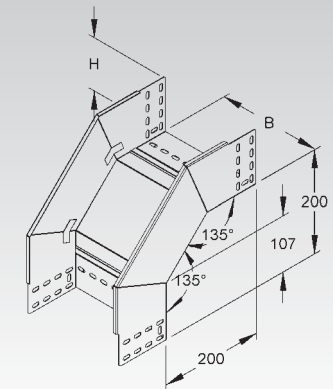


## Vertical Outside Elbow

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RFD 110.100	110/4,3	100/3,9	4 FLM 6x12	927722	113
S RFD 110.150	110/4,3	150/5,8	4 FLM 6x12	927739	126,9
S RFD 110.200	110/4,3	200/7,8	5 FLM 6x12	927746	140
S RFD 110.300	110/4,3	300/11,7	5 FLM 6x12	927760	167
S RFD 110.400	110/4,3	400/15,6	6 FLM 6x12	927784	194
S RFD 110.500	110/4,3	500/19,5	6 FLM 6x12	927807	221
S RFD 110.550	110/4,3	550/21,4	6 FLM 6x12	927814	234

to make vertical outside elbows, 2x 45°  
solid side rails, perforated for splices, integrated splice plate

110

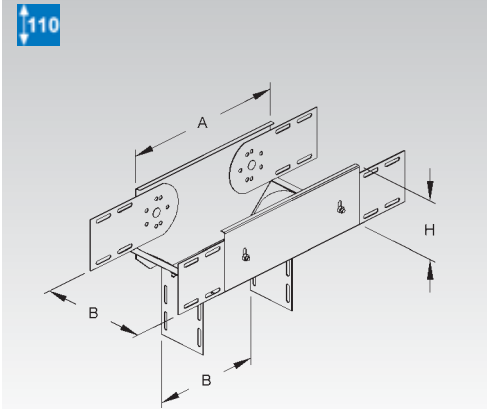


### Vertical Tee Down, lengthwise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RTL 110.150	110/4,3	150/5,8	251	20 FLM 6x12 + 3 RGV 110	793815	210
<b>S</b> RTL 110.200	110/4,3	200/7,8	301	20 FLM 6x12 + 3 RGV 110	793822	234
<b>S</b> RTL 110.300	110/4,3	300/11,7	501	20 FLM 6x12 + 3 RGV 110	793846	380
<b>S</b> RTL 110.400	110/4,3	400/15,6	801	20 FLM 6x12 + 3 RGV 110	793860	682
<b>S</b> RTL 110.500	110/4,3	500/19,5	901	20 FLM 6x12 + 3 RGV 110	793884	821
<b>S</b> RTL 110.550	110/4,3	550/21,4	951	20 FLM 6x12 + 3 RGV 110	793907	896

Vertical Tee Down (branch-off) in longitudinal direction

Size of run and tap tray is identical.

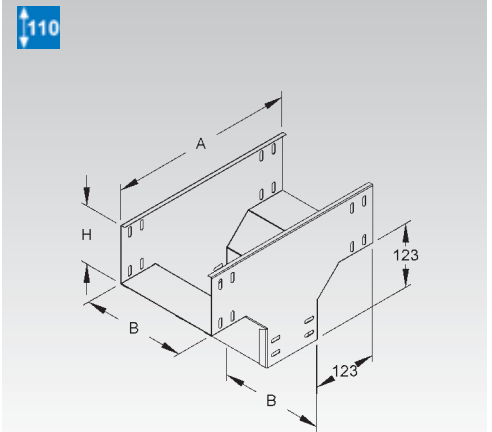


### Vertical Tee Down, crosswise

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RTQ 110.100	110/4,3	100/3,9	361	8 FLM 6x12	793921	150
<b>S</b> RTQ 110.150	110/4,3	150/5,8	361	8 FLM 6x12	793938	170
<b>S</b> RTQ 110.200	110/4,3	200/7,8	361	10 FLM 6x12	793945	190
<b>S</b> RTQ 110.300	110/4,3	300/11,7	361	10 FLM 6x12	793969	245
<b>S</b> RTQ 110.400	110/4,3	400/15,6	361	12 FLM 6x12	793983	260
<b>S</b> RTQ 110.500	110/4,3	500/19,5	361	12 FLM 6x12	794003	300
<b>S</b> RTQ 110.550	110/4,3	550/21,4	361	12 FLM 6x12	794027	315

Vertical Tee Down (branch-off) in transverse direction

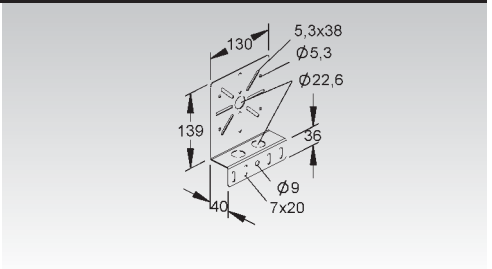
Size of run and tap tray is identical.



### Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RMP 130	2 FLM 6x12	206148	50
<b>F</b> RMP 130 F	2 FLM 6x12 F	206162	50
<b>E3</b> RMP 130 E3	2 FLM 6x12 E3	769728	30,5

for mounting distribution or junction boxes





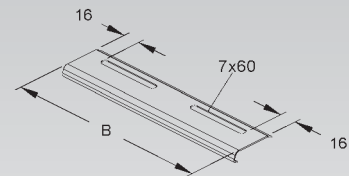
# CABLE TRAY SYSTEM

## Edge Protection Plate

	model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RKB 100	92/3,6	1 FLM 6x12	270200	5
S	RKB 150	142/5,5	2 FLM 6x12	270309	8
S	RKB 200	192/7,5	2 FLM 6x12	270408	10
S	RKB 300	292/11,4	2 FLM 6x12	270606	15
S	RKB 400	392/15,3	2 FLM 6x12	270705	20
S	RKB 500	492/19,2	2 FLM 6x12	270804	25
S	RKB 600	592/23,1	2 FLM 6x12	271009	31
F	RKB 100 F	92/3,6	1 FLM 6x12 F	563500	5
F	RKB 150 F	142/5,5	2 FLM 6x12 F	563609	8
F	RKB 200 F	192/7,5	2 FLM 6x12 F	563708	10
F	RKB 300 F	292/11,4	2 FLM 6x12 F	563906	15
F	RKB 400 F	392/15,3	2 FLM 6x12 F	564002	20
F	RKB 500 F	492/19,2	2 FLM 6x12 F	564101	25
F	RKB 550 F	542/21,1	2 FLM 6x12 F	564200	28
E3	RKB 200 E3	192/7,5	2 FLM 6x12 E3	335602	10
E3	RKB 300 E3	292/11,4	2 FLM 6x12 E3	335701	15
E3	RKB 400 E3	392/15,3	2 FLM 6x12 E3	335800	20
E3	RKB 500 E3	492/19,2	2 FLM 6x12 E3	335909	25
E3	RKB 550 E3	542/21,1	2 FLM 6x12 E3	336005	30
E3	RKB 100 E3	92/3,6	1 FLM 6x12 E3	335503	5

to reinforce the bottom of cable trays  
with rounded edges to protect cables at the joint

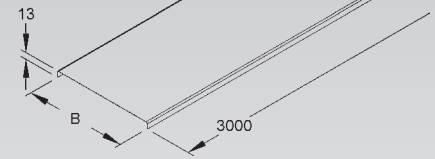
**To prevent accidents and injuries you must install edge protection plates! Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.**



## Cover for Cable Tray/Ladder

model no.	width B mm/Inch	EAN code	Weight per 100 m kg
S RD 70	70/2,7	260157	73
S RD 100	100/3,9	260300	95
S RD 120	120/4,7	260355	114
S RD 150	150/5,8	260409	126
S RD 200	200/7,8	260508	175
S RD 250	250/9,8	260607	213
S RD 300	300/11,7	260706	256
S RD 400	400/15,6	260805	336
S RD 500	500/19,5	260904	416
S RD 550	550/21,4	261000	458
S RD 600	600/23,4	261109	496
F RD 100 F	100/3,9	262502	78,5
F RD 150 F	150/5,8	262601	127
F RD 200 F	200/7,8	262700	175
F RD 250 F	250/9,8	262809	214
F RD 300 F	300/11,7	262908	257
F RD 400 F	400/15,6	263004	337
F RD 500 F	500/19,5	263103	417
F RD 550 F	550/21,4	263202	459
F RD 600 F	600/23,4	263301	497
E3 RD 100 E3	100/3,9	336203	95
E3 RD 200 E3	200/7,8	336302	175
E3 RD 300 E3	300/11,7	336401	256
E3 RD 400 E3	400/15,6	336500	336
E3 RD 500 E3	500/19,5	336609	416
E3 RD 550 E3	550/21,4	336708	416
E3 RD 600 E3	600/23,4	336807	496

To be used for: cable ladder horizontal bends of 35 mm, 60 mm, 85 mm and 110 mm, type RLV ..., RLR..., RL..., RS..., RLC..., RSV... as well as for cable ladders with a side rail height of 60 mm and 100 mm, type KL...



# CABLE TRAY SYSTEM COVERS

## Cover for Cable Tray/Ladder

with turnbolt locks

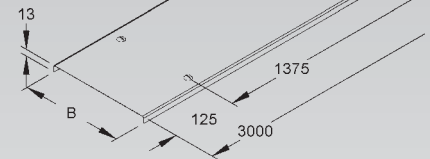
	model no.	width B mm/Inch	EAN code	Weight per 100 m kg
S	RDV 70	70/2,7	261253	55
S	RDV 100	100/3,9	261406	97
S	RDV 120	120/4,7	261451	116
S	RDV 150	150/5,8	261505	129
S	RDV 200	200/7,8	261604	177
S	RDV 250	250/9,8	261703	216
S	RDV 300	300/11,7	261802	260
S	RDV 400	400/15,6	261901	340
S	RDV 500	500/19,5	262007	420
S	RDV 550	550/21,4	262106	460
S	RDV 600	600/23,4	262205	500
F	RDV 100 F	100/3,9	263608	97
F	RDV 150 F	150/5,8	263707	129
F	RDV 200 F	200/7,8	263806	177
F	RDV 250 F	250/9,8	263905	216
F	RDV 300 F	300/11,7	264001	260
F	RDV 400 F	400/15,6	264100	340
F	RDV 500 F	500/19,5	264209	420
F	RDV 550 F	550/21,4	264308	460
F	RDV 600 F	600/23,4	264407	500
E3	RDV 100 E3	100/3,9	336906	97
E3	RDV 200 E3	200/7,8	337002	177
E3	RDV 300 E3	300/11,7	337101	257
E3	RDV 400 E3	400/15,6	337200	340
E3	RDV 500 E3	500/19,5	337309	420
E3	RDV 550 E3	550/21,4	337408	460
E3	RDV 600 E3	600/23,4	337507	500
E5	RDV 100 E5	100/3,9	891009	80
E5	RDV 200 E5	200/7,8	891023	143
E5	RDV 300 E5	300/11,7	891047	209
E5	RDV 400 E5	400/15,6	891061	273

Turn-bolt locks for finish E3 and E5 are always made of stainless steel type E5.

To be used for: cable ladder horizontal bends of 35 mm, 60 mm, 85 mm and 110 mm, type RLV ..., RLR..., RL..., RS..., RLC..., RSV... as well as for cable ladders with a side rail height of 60 mm and 100 mm, type KL...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

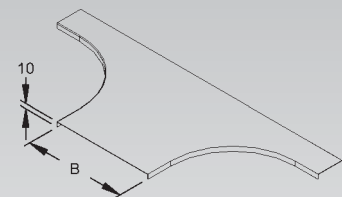
use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements



## Cover for Horizontal Extension Tee

	model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RTAD 70	70/2,7	266852	44
S	RTAD 100	100/3,9	266906	50
S	RTAD 120	120/4,7	266951	54
S	RTAD 150	150/5,8	267002	60
S	RTAD 200	200/7,8	267101	70
S	RTAD 250	250/9,8	267200	80
S	RTAD 300	300/11,7	267309	90
S	RTAD 400	400/15,6	267408	140
S	RTAD 500	500/19,5	267507	160
S	RTAD 550	550/21,4	267606	180
S	RTAD 600	600/23,4	267705	190
F	RTAD 100 F	100/3,9	558100	50
F	RTAD 150 F	150/5,8	558209	60
F	RTAD 200 F	200/7,8	558308	70
F	RTAD 300 F	300/11,7	558506	90
F	RTAD 400 F	400/15,6	558605	140
F	RTAD 500 F	500/19,5	558704	160
F	RTAD 550 F	550/21,4	558803	180
F	RTAD 600 F	600/23,4	558902	190

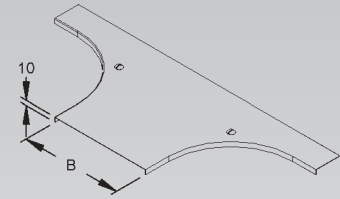
To be used for: extension horizontal tee for cable trays, side rail height 35 mm, 60 mm, 85 mm or 110 mm, type RTA ...



## Cover for Horizontal Extension Tee

with turnbolt locks

model no.	width B	EAN code	Weight per 100 pc.
	mm/Inch		kg
S RTADV 70	70/2,7	845804	44
S RTADV 100	100/3,9	277100	50
S RTADV 120	120/4,7	845859	54
S RTADV 150	150/5,8	277209	60
S RTADV 200	200/7,8	277308	70
S RTADV 250	250/9,8	277407	80
S RTADV 300	300/11,7	274802	90
S RTADV 400	400/15,6	277506	140
S RTADV 500	500/19,5	277605	160
S RTADV 550	550/21,4	277704	180
S RTADV 600	600/23,4	277803	190
F RTADV 100 F	100/3,9	559008	50
F RTADV 150 F	150/5,8	559107	60
F RTADV 200 F	200/7,8	559206	70
F RTADV 300 F	300/11,7	559404	90
F RTADV 400 F	400/15,6	559503	140
F RTADV 500 F	500/19,5	559602	160
F RTADV 550 F	550/21,4	559701	180
F RTADV 600 F	600/23,4	559800	190
E3 RTADV 100 E3	100/3,9	339600	50
E3 RTADV 200 E3	200/7,8	339709	70
E3 RTADV 300 E3	300/11,7	339808	90
E3 RTADV 400 E3	400/15,6	339907	140
E3 RTADV 500 E3	500/19,5	340002	160
E3 RTADV 550 E3	550/21,4	340057	170
E3 RTADV 600 E3	600/23,4	340101	190



Turn-bolt locks for finish F and E3 are always made of stainless steel type E5.

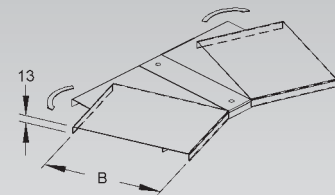
To be used for: extension horizontal tee for cable trays, side rail height 35 mm, 60 mm, 85 mm or 110 mm, type RTA ...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements

## Cover for Flexible Fitting

model no.	width B	EAN code	Weight per 100 pc.
	mm/Inch		kg
★ S RBAVD 70	70/2,7	925858	19,6
★ S RBAVD 100	100/3,9	922529	32,5
★ S RBAVD 120	120/4,7	922536	42,9
★ S RBAVD 150	150/5,8	930463	61
★ S RBAVD 200	200/7,8	922543	98
★ S RBAVD 250	250/9,8	922550	143,2
★ S RBAVD 300	300/11,7	922567	198,2
★ S RBAVD 400	400/15,6	922581	332,6
★ S RBAVD 500	500/19,5	922604	501,8
★ S RBAVD 550	550/21,4	922611	598,5
★ S RBAVD 600	600/23,4	922628	705,2



adjustable from 0 - 90°,

To be used for: flexible horizontal elbow RBAV... for cable tray with a height of 60, 85 or 110 mm, adjustable from 0° to 90°

Covers are attached by using stainless steel clamp RDHF 9 E2. For horizontal mounting only.

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

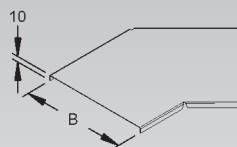
4x RDHF 9 E2 cover clips required per cover. Please order separately.

# CABLE TRAY SYSTEM COVERS

## Cover for 45° Elbow

	model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RBAD 100	100/3,9	264506	22,8
S	RBAD 150	150/5,8	264605	35
S	RBAD 200	200/7,8	264704	48,8
S	RBAD 250	250/9,8	264803	64,1
S	RBAD 300	300/11,7	264902	81,2
S	RBAD 400	400/15,6	265008	120,1
S	RBAD 500	500/19,5	265107	165,6
S	RBAD 550	550/21,4	265206	190,7
S	RBAD 600	600/23,4	265305	217,5
F	RBAD 100 F	100/3,9	554508	24,5
F	RBAD 150 F	150/5,8	554607	37,6
F	RBAD 200 F	200/7,8	554706	52,4
F	RBAD 300 F	300/11,7	554904	87,3
F	RBAD 400 F	400/15,6	555000	129,1
F	RBAD 500 F	500/19,5	555109	178
F	RBAD 550 F	550/21,4	555208	205
F	RBAD 600 F	600/23,4	555307	233,8

To be used for: cable ladder horizontal bends of 45 ° for side rail heights of 35 mm, 60 mm, 85 mm and 110 mm, type RBA



## Cover for 45° Elbow

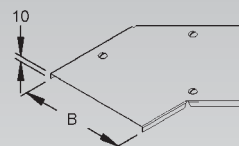
with turnbolt locks

	model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RBADV 100	100/3,9	275106	24,5
S	RBADV 150	150/5,8	275205	36,6
S	RBADV 200	200/7,8	275304	50,4
S	RBADV 250	250/9,8	275403	65,8
S	RBADV 300	300/11,7	275502	82,8
S	RBADV 400	400/15,6	275601	121,7
S	RBADV 500	500/19,5	275700	167,2
S	RBADV 550	550/21,4	275809	192,4
S	RBADV 600	600/23,4	275908	219,1
F	RBADV 100 F	100/3,9	555406	27,3
F	RBADV 150 F	150/5,8	555505	40,4
F	RBADV 200 F	200/7,8	555604	55,2
F	RBADV 300 F	300/11,7	555802	90,1
F	RBADV 400 F	400/15,6	555901	131,9
F	RBADV 500 F	500/19,5	556007	180,8
F	RBADV 550 F	550/21,4	556106	207,9
F	RBADV 600 F	600/23,4	556205	236,7

Turn-bolt locks for finish F are always made of stainless steel type E5.

To be used for: cable ladder horizontal bends of 45 ° for side rail heights of 35 mm, 60 mm, 85 mm and 110 mm, type RBA

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

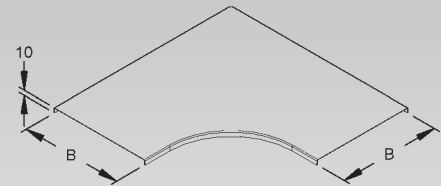




### Cover for 90° Elbow

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RESD 70	70/2,7	265657	35,9
S RESD 100	100/3,9	265701	37,4
S RESD 120	120/4,7	265756	59,4
S RESD 150	150/5,8	265800	75,4
S RESD 200	200/7,8	265909	95,2
S RESD 250	250/9,8	266005	138,8
S RESD 300	300/11,7	266104	159,8
S RESD 400	400/15,6	266203	265,1
S RESD 500	500/19,5	266302	368,5
S RESD 550	550/21,4	266401	423,4
S RESD 600	600/23,4	266500	487,7
F RESD 100 F	100/3,9	556304	39,9
F RESD 150 F	150/5,8	556403	81
F RESD 200 F	200/7,8	556502	101,7
F RESD 300 F	300/11,7	556700	170,7
F RESD 400 F	400/15,6	556809	283,2
F RESD 500 F	500/19,5	556908	393,6
F RESD 550 F	550/21,4	557004	455,2
F RESD 600 F	600/23,4	557103	520,9

To be used for: cable ladder horizontal bends of 90° for side rail heights of 110 mm, type RESS



### Cover for 90° Elbow

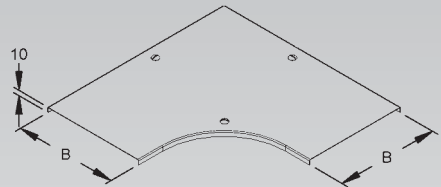
with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RESDV 70	70/2,7	845903	37,5
S RESDV 100	100/3,9	276202	38,8
S RESDV 120	120/4,7	845958	61
S RESDV 150	150/5,8	276301	77
S RESDV 200	200/7,8	275007	96,9
S RESDV 250	250/9,8	276400	140,5
S RESDV 300	300/11,7	274901	161,5
S RESDV 400	400/15,6	276509	266,8
S RESDV 500	500/19,5	276608	370,1
S RESDV 550	550/21,4	276707	425,1
S RESDV 600	600/23,4	276806	489,3
F RESDV 100 F	100/3,9	557202	42,8
F RESDV 150 F	150/5,8	557301	83,9
F RESDV 200 F	200/7,8	557400	104,6
F RESDV 300 F	300/11,7	557608	173,6
F RESDV 400 F	400/15,6	557707	286,1
F RESDV 500 F	500/19,5	557806	396,5
F RESDV 550 F	550/21,4	557905	459
F RESDV 600 F	600/23,4	558001	523,8
E3 RESDV 100 E3	100/3,9	338405	42,5
E3 RESDV 200 E3	200/7,8	338504	87,3
E3 RESDV 300 E3	300/11,7	338603	144,8
E3 RESDV 400 E3	400/15,6	338702	267,8
E3 RESDV 500 E3	500/19,5	338801	371,1
E3 RESDV 600 E3	600/23,4	338900	490,3

Turn-bolt locks for finish F and E3 are always made of stainless steel type E5.

To be used for: cable ladder horizontal bends of 90° for side rail heights of 110 mm, type RESS

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

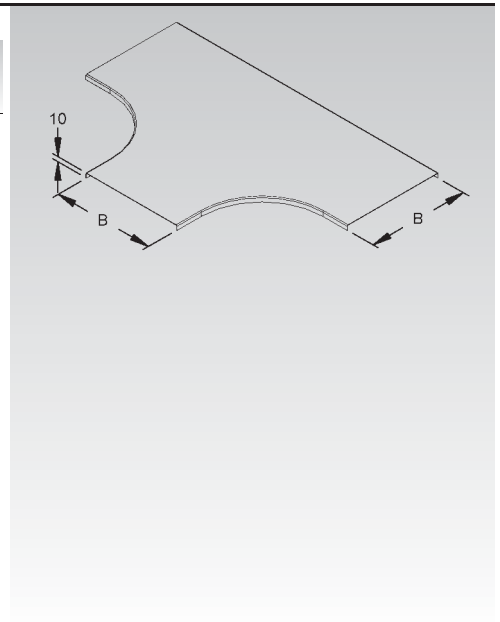


# CABLE TRAY SYSTEM COVERS

## Cover for Horizontal Tee

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RTSD 100	100/3,9	268108	50
S RTSD 150	150/5,8	268207	80
S RTSD 200	200/7,8	268306	100
S RTSD 250	250/9,8	268405	140
S RTSD 300	300/11,7	268504	180
S RTSD 400	400/15,6	268603	230
S RTSD 500	500/19,5	268702	440
S RTSD 550	550/21,4	268801	520
S RTSD 600	600/23,4	268900	570
F RTSD 100 F	100/3,9	559909	50
F RTSD 150 F	150/5,8	560004	80
F RTSD 200 F	200/7,8	560103	100
F RTSD 300 F	300/11,7	560301	180
F RTSD 400 F	400/15,6	560400	230
F RTSD 500 F	500/19,5	560509	440
F RTSD 550 F	550/21,4	560608	520
F RTSD 600 F	600/23,4	560707	570

To be used for: cable tray horizontal tee for side rail height of 35 mm, 60 mm, 85 mm and 110 mm, type RTS...



## Cover for Horizontal Tee

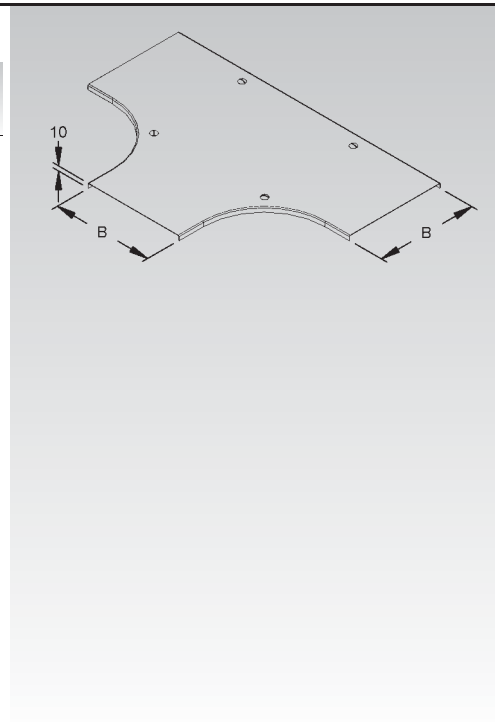
with turnbolt locks

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RTSDV 100	100/3,9	277902	50
S RTSDV 150	150/5,8	278008	8
S RTSDV 200	200/7,8	274703	100
S RTSDV 250	250/9,8	278107	140
S RTSDV 300	300/11,7	278206	180
S RTSDV 400	400/15,6	278305	230
S RTSDV 500	500/19,5	278404	440
S RTSDV 550	550/21,4	278503	520
S RTSDV 600	600/23,4	278602	570
F RTSDV 100 F	100/3,9	560806	50
F RTSDV 150 F	150/5,8	560905	80
F RTSDV 200 F	200/7,8	561001	100
F RTSDV 300 F	300/11,7	561209	180
F RTSDV 400 F	400/15,6	561308	230
F RTSDV 500 F	500/19,5	561407	440
F RTSDV 550 F	550/21,4	561506	520
F RTSDV 600 F	600/23,4	561605	570

Turn-bolt locks for finish F are always made of stainless steel type E5.

To be used for: cable tray horizontal tee for side rail height of 35 mm, 60 mm, 85 mm and 110 mm, type RTS...

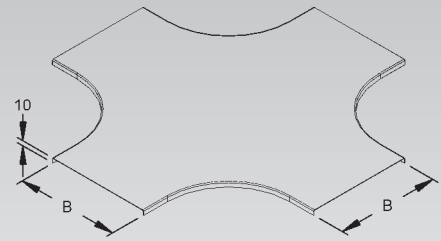
Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.



### Cover for Horizontal Cross

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RKSD 100	100/3,9	269006	93,1
S RKSD 150	150/5,8	269105	133,1
S RKSD 200	200/7,8	269204	177,1
S RKSD 250	250/9,8	269303	225
S RKSD 300	300/11,7	269402	276,8
S RKSD 400	400/15,6	269501	392,2
S RKSD 500	500/19,5	269600	523,3
S RKSD 550	550/21,4	269709	594,7
S RKSD 600	600/23,4	269808	670,1
F RKSD 100 F	100/3,9	561704	100,1
F RKSD 150 F	150/5,8	561803	143,2
F RKSD 200 F	200/7,8	561902	190,4
F RKSD 300 F	300/11,7	562107	297,6
F RKSD 400 F	400/15,6	562206	421,6
F RKSD 500 F	500/19,5	562305	562,6
F RKSD 550 F	550/21,4	562404	639,3
F RKSD 600 F	600/23,4	562503	720,4

To be used for: cable tray horizontal cross for side rail heights of 35 mm, 60 mm, 85 mm and 110 mm, type RKS...



### Cover for Horizontal Cross

with turnbolt locks

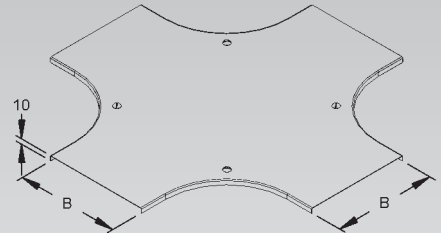
model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RKSDV 100	100/3,9	278701	96,4
S RKSDV 150	150/5,8	278800	136,4
S RKSDV 200	200/7,8	278909	180,4
S RKSDV 250	250/9,8	279005	228,3
S RKSDV 300	300/11,7	279104	280,1
S RKSDV 400	400/15,6	279203	395,5
S RKSDV 500	500/19,5	279302	526,6
S RKSDV 550	550/21,4	279401	598
S RKSDV 600	600/23,4	279500	673,4
F RKSDV 100 F	100/3,9	562602	103,6
F RKSDV 150 F	150/5,8	562701	146,6
F RKSDV 200 F	200/7,8	562800	193,9
F RKSDV 300 F	300/11,7	563005	301,1
F RKSDV 400 F	400/15,6	563104	425,1
F RKSDV 500 F	500/19,5	563203	566
F RKSDV 550 F	550/21,4	563302	642,8
F RKSDV 600 F	600/23,4	563401	723,8

Turn-bolt locks for finish F are always made of stainless steel type E5.

To be used for: cable tray horizontal cross for side rail heights of 35 mm, 60 mm, 85 mm and 110 mm, type RKS...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements



### Cover for Vertical Inside/Outside Elbow Kit

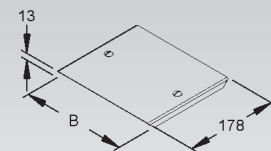
with turnbolt locks

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S RFSDDV 60.070	60/2,3	70/2,7	844500	13,8
S RFSDDV 60.100	60/2,3	100/3,9	844524	18
S RFSDDV 60.120	60/2,3	120/4,7	844548	20,8
S RFSDDV 60.150	60/2,3	150/5,8	844562	25
S RFSDDV 60.200	60/2,3	200/7,8	844586	32
S RFSDDV 60.250	60/2,3	250/9,8	844609	39
S RFSDDV 60.300	60/2,3	300/11,7	844623	46
S RFSDDV 60.400	60/2,3	400/15,6	844647	59,9
S RFSDDV 60.500	60/2,3	500/19,5	844661	73,9
S RFSDDV 60.600	60/2,3	600/23,4	844685	87,9

To be used for: vertical inside/outside elbow kit with a side rail height of 60 mm, type RFD 60... and RSD 60...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

60



# CABLE TRAY SYSTEM COVERS

## Cover for Vertical Outside Elbow Kit

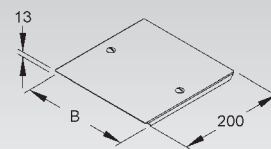
with turnbolt locks

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RFDDV 85.100	85/3,3	100/3,9	927845	20,7
S	RFDDV 85.200	85/3,3	200/7,8	927869	36,4
S	RFDDV 85.300	85/3,3	300/11,7	927883	52,1
S	RFDDV 85.400	85/3,3	400/15,6	927906	67,8
S	RFDDV 85.500	85/3,3	500/19,5	927920	83,5
S	RFDDV 85.600	85/3,3	600/23,4	927944	99,2

To be used for: vertical inside/outside elbow kit with a side rail height of 85 mm, type RFD 85

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

85



## Cover for Vertical Inside Elbow

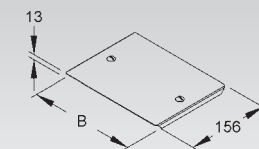
with turnbolt locks

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RSDDV 85.100	85/3,3	100/3,9	928323	16,4
S	RSDDV 85.200	85/3,3	200/7,8	928347	28,7
S	RSDDV 85.300	85/3,3	300/11,7	928361	40,9
S	RSDDV 85.400	85/3,3	400/15,6	928385	53,2
S	RSDDV 85.500	85/3,3	500/19,5	928408	65,4
S	RSDDV 85.600	85/3,3	600/23,4	928422	77,7

To be used for: cable tray vertical inside/outside elbow for side rail height of 110 mm, type RSD 110...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

85



## Cover for Vertical Outside Elbow Kit

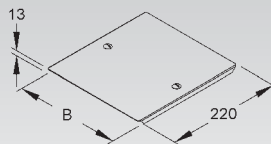
with turnbolt locks

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RFDDV 110.100	110/4,3	100/3,9	927968	22,6
S	RFDDV 110.150	110/4,3	150/5,8	927975	31,2
S	RFDDV 110.200	110/4,3	200/7,8	927982	39,9
S	RFDDV 110.300	110/4,3	300/11,7	928002	57,1
S	RFDDV 110.400	110/4,3	400/15,6	928026	74,4
S	RFDDV 110.500	110/4,3	500/19,5	928040	91,7
S	RFDDV 110.550	110/4,3	550/21,4	928057	100,3
S	RFDDV 110.600	110/4,3	600/23,4	928064	108,9

To be used for: vertical inside/outside elbow kit with a side rail height of 110 mm, type RFD 110

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

110



## Cover for Vertical Inside Elbow

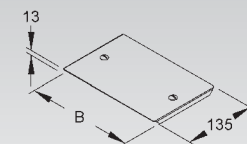
with turnbolt locks

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	RSDDV 110.100	110/4,3	100/3,9	928446	14,4
S	RSDDV 110.150	110/4,3	150/5,8	928453	19,7
S	RSDDV 110.200	110/4,3	200/7,8	928460	25
S	RSDDV 110.300	110/4,3	300/11,7	928484	35,6
S	RSDDV 110.400	110/4,3	400/15,6	928507	46,2
S	RSDDV 110.500	110/4,3	500/19,5	928521	56,8
S	RSDDV 110.550	110/4,3	550/21,4	928538	62,1
S	RSDDV 110.600	110/4,3	600/23,4	928545	67,4

To be used for: cable tray vertical inside/outside elbow for side rail height of 85 mm, type RSD 85...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

110



### Turn-bolt Lock

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RDRS 9	1 FLM 6x12, 1 SM 6	269907	1,2
<b>F</b> RDRS 9 F	1 FLM 6x12 E3, 1 U M6 E3, 1 SM 6 E3	563463	1,6
<b>E3</b> RDRS 9 E3	1 FLM 6x12 E3, 1 US M6 E3, 1 SM 6 E3	337705	1,6

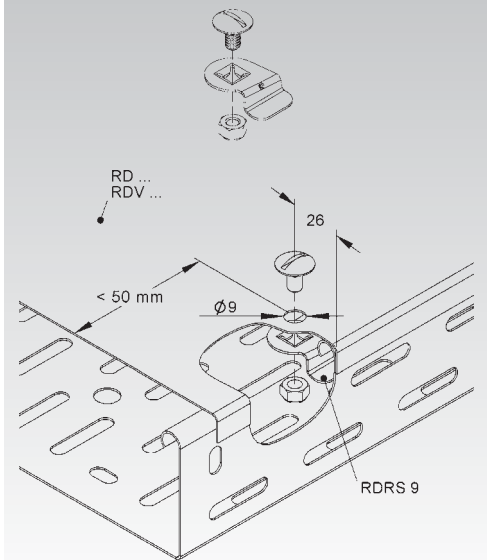
for subsequent or additional mounting to the cover

To be used for: cable tray cover, type RD...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

delivered as a kit (not assembled)



### Turn-bolt Lock

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RDRS 2	1 FLM 6x12, 1 SM 6	270002	1,3
<b>E3</b> RDRS 2 E3	1 FLM 6x12 E3, 1 US M6 E3, 1 SM 6 E3	337606	1,5

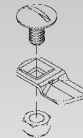
for subsequent or additional mounting to the cover

To be used for: Cable Tray Cover RDSV 50 and RDSV 100 and corresponding fittings

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

delivered as a kit (not assembled)



### Turn-bolt Lock

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RDRS 2/50	1 FLM 6x12, 1 SM 6	270101	1,3
<b>E3</b> RDRS 2/50 E3	1 FLM 6x12 E3, 1 US M6 E3, 1 SM 6 E3	337651	1,5

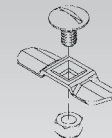
for subsequent or additional mounting to the cover

To be used for: Cable Tray Cover RDSV 50 and corresponding fittings

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

delivered as a kit (not assembled)





# CABLE TRAY SYSTEM COVERS

## Cover Clamp

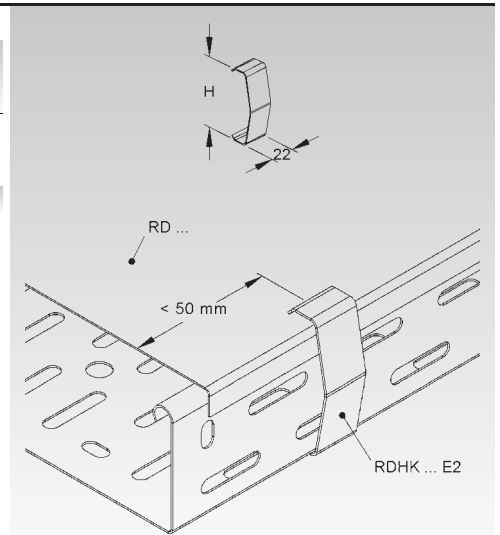
model no.	height (H) mm/inch	EAN code	Weight per 100 pc. kg
★ E2 RDHK 60 E2	58/2,3	911851	2
★ E2 RDHK 110 E2	108/4,2	911868	3

for attaching covers on cable trays without using a turnbolt lock

To be used for: cable tray cover, type RD...

For horizontally mounted covers only. Please maintain a minimum distance of 50 mm from both ends of the cover when installing the stainless steel clamp RDHF 9 E2.

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.



## Cover Clamp

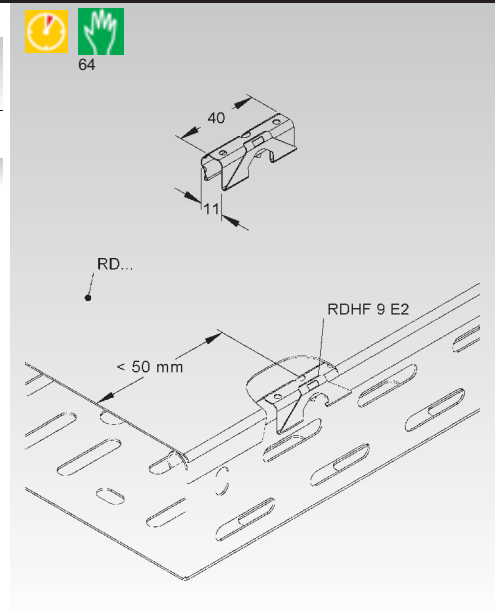
model no.	EAN code	Weight per 100 pc. kg
★ E2 RDHF 9 E2	920457	5

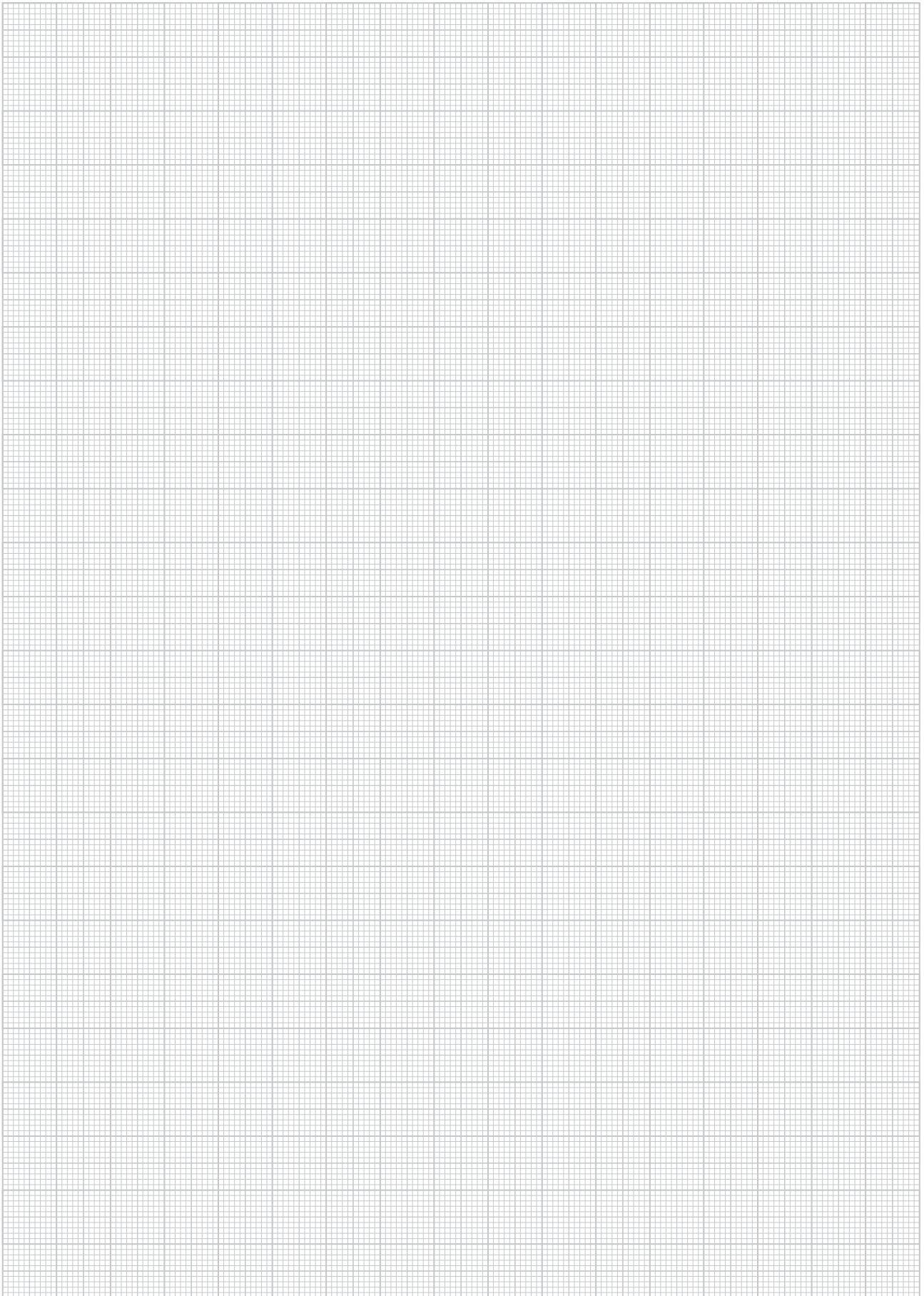
for attaching covers on cable trays without using a turnbolt lock

To be used for: cable tray cover, type RD...

For horizontally mounted covers only. Please maintain a minimum distance of 50 mm from both ends of the cover when installing the stainless steel clamp RDHF 9 E2.

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.





## Walkable Cable Tray

- Walkable Cable Tray
- Covers
- Barrier Strips
- Fittings
- Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada. Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



Niedax walkable cable tray was developed together with and especially for the automotive industry. Based on Niedax experience in manufacturing cable tray a special heavy duty version, that could be used as a walkway, was created. Different kinds of covers, ex. with aluminum checker plates are available. Flexible horizontal fittings allow an easy installation in between all kinds of production machinery like welding robots.



# WALKABLE CABLE TRAY SYSTEM

## Heavy Duty Cable Tray

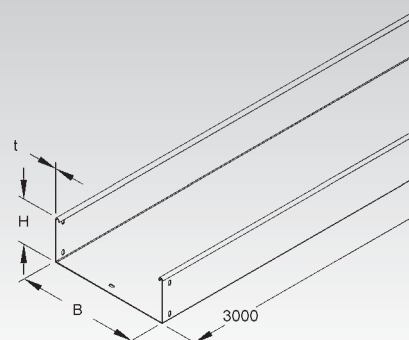
solid, splice plate not included

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RSUS 110.100OV	110/4,3	100/3,9	2	861606	530
S RSUS 110.200OV	110/4,3	200/7,8	2	861620	686
S RSUS 110.300OV	110/4,3	300/11,7	2	861644	843
S RSUS 110.400OV	110/4,3	400/15,6	2	861668	1000
S RSUS 110.500OV	110/4,3	500/19,5	2	861675	1157
S RSUS 110.600OV	110/4,3	600/23,4	2	861699	1314

with perforation for splices at both ends and roll formed return flanges.

Splice plates have to ordered separately.

110



## Heavy Duty Cable Tray

splice plates not included

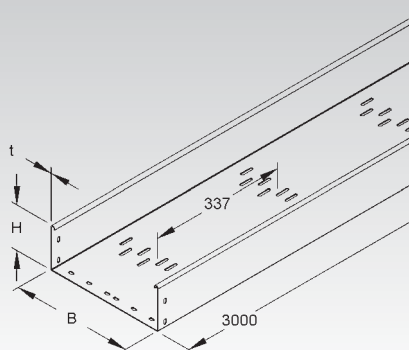
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RSQSL110.100OV	110/4,3	100/3,9	2	861804	523,3
S RSQSL110.200OV	110/4,3	200/7,8	2	861828	675
S RSQSL110.300OV	110/4,3	300/11,7	2	861842	827,3
S RSQSL110.400OV	110/4,3	400/15,6	2	861866	980,3
S RSQSL110.500OV	110/4,3	500/19,5	2	861873	1131,7
S RSQSL110.600OV	110/4,3	600/23,4	2	861897	1286

with perforation for splices at both ends and roll formed return flanges.

Special perforation in the bottom, splice plates not included

Splice plates have to ordered separately.

110



66

## Heavy Duty Cable Tray

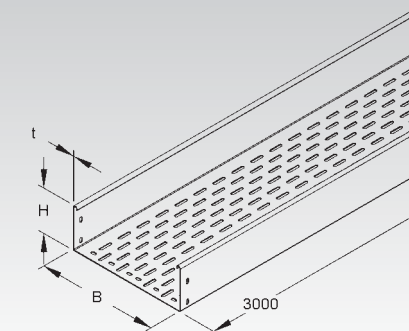
ventilated, splice plate not included

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RSBS 110.100OV	110/4,3	100/3,9	2	861705	506,7
S RSBS 110.200OV	110/4,3	200/7,8	2	861729	641,7
S RSBS 110.300OV	110/4,3	300/11,7	2	861743	777,3
S RSBS 110.400OV	110/4,3	400/15,6	2	861767	912
S RSBS 110.500OV	110/4,3	500/19,5	2	861774	1047,3
S RSBS 110.600OV	110/4,3	600/23,4	2	861798	394,1

bottom plate perforated with staggered punch holes 7x33 mm, solid side rails with return flange, perforated for splices

Splice plates have to ordered separately.

110

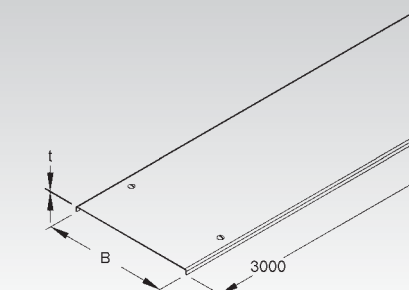


## Cover for Cable Tray

with reinforced turn-bolt lock

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RDVS 100	105/4,1	2	855605	198
S RDVS 200	205/8	2	855629	351,7
S RDVS 300	305/11,9	2	855643	508,7
S RDVS 400	405/15,8	2	855667	665,7
S RDVS 500	505/19,7	2	855681	822,7
S RDVS 600	605/23,6	2	855704	979,7

66



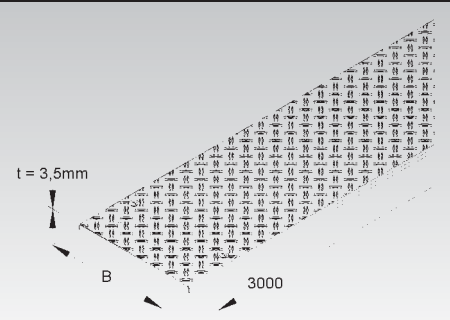


### Cover for Cable Tray

with reinforced turn-bolt lock and complete light checker blade support plate

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RDVSRSL 100	105/4,1	3,5	917464	246
S RDVSRSL 200	205/8	3,5	917488	448
S RDVSRSL 300	305/11,9	3,5	917501	654
S RDVSRSL 400	405/15,8	3,5	917525	859
S RDVSRSL 500	505/19,7	3,5	917549	1065
S RDVSRSL 600	605/23,6	3,5	917563	1270

Covers are made up of a 2 mm of steel panel and a 1.5 mm aluminum checker blade.  
Other slip-resistant coatings available on request.

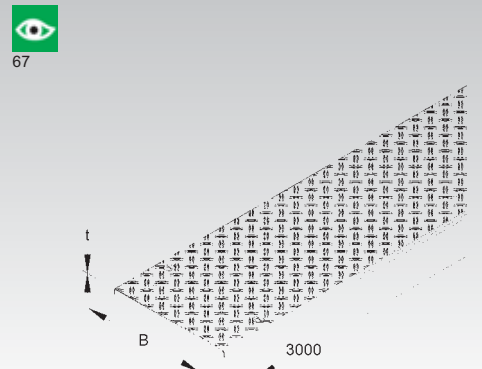


### Cover for Cable Tray

with reinforced turn-bolt lock and complete heavy-duty checker blade support plate

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S RDVSRSL 100	105/4,1	4,5	862108	269
S RDVSRSL 200	205/8	4,5	862122	494,3
S RDVSRSL 300	305/11,9	4,5	862146	723,3
S RDVSRSL 400	405/15,8	4,5	862160	951,7
S RDVSRSL 500	505/19,7	4,5	862177	1180
S RDVSRSL 600	605/23,6	4,5	862191	1408,7

Covers are made up of a 2 mm of steel panel and a 2.5 mm aluminum checker blade.  
Other slip-resistant coatings available on request.

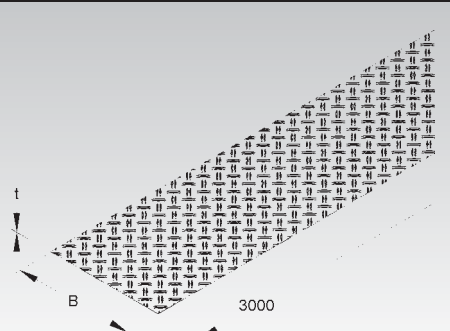


### Heavy Duty Aluminum Checker Plate

checker blade without any perforation

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
AL RRA 100-2.5ALO	100/3,9	2,5	862306	71
AL RRA 200-2.5ALO	200/7,8	2,5	862320	143
AL RRA 300-2.5ALO	300/11,7	2,5	862344	215
AL RRA 400-2.5ALO	400/15,6	2,5	862368	286
AL RRA 500-2.5ALO	500/19,5	2,5	862375	358
AL RRA 600-2.5ALO	600/23,4	2,5	862399	429

for subsequent mounting of sheet steel covers

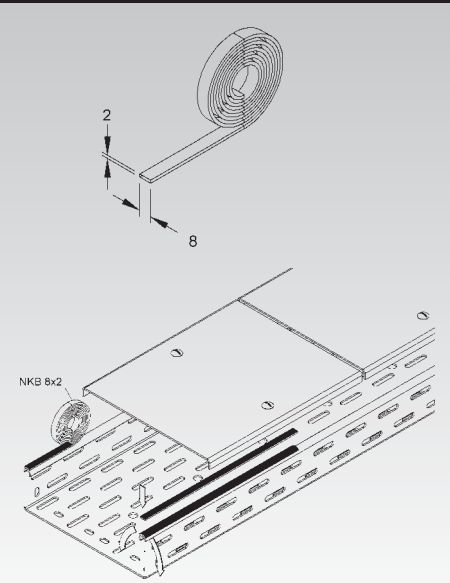


### Neoprene Adhesive Tape, black

self-adhesive

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
K07 NKB 8X2	2/0,1	8/0,3	872091	

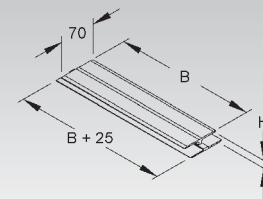
tape to the return flange to protect short pieces of covers from sliding off



# WALKABLE CABLE TRAY SYSTEM

## Joint for Walkable Cable Tray Covers

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
AL DSBA 100	16/0,6	75/2,9	872008	8,4
AL DSBA 200	16/0,6	175/6,8	872022	19,6
AL DSBA 300	16/0,6	275/10,7	872046	30,8
AL DSBA 400	16/0,6	375/14,6	872053	42
AL DSBA 500	16/0,6	475/18,5	872060	53,2
AL DSBA 600	16/0,6	575/22,4	872084	64,4



## Turn-bolt Lock

reinforced version

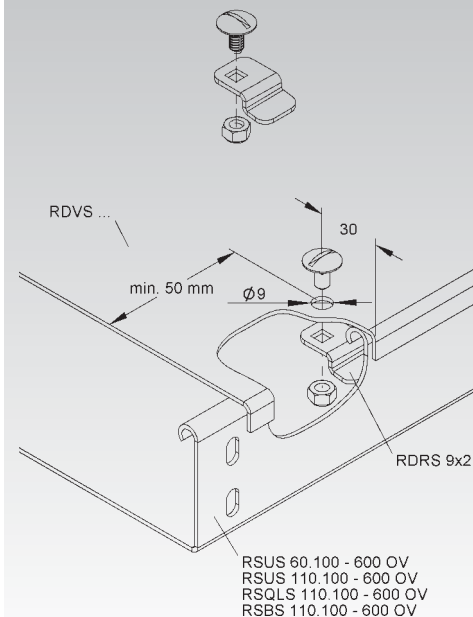
model no.	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RDRS 9X2	2	269884	2,1

for subsequent or additional mounting to the cover

To be used for: cable tray cover, type RDVS..., RDVSRSL... and RDVSRSL...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.  
delivered as a kit (not assembled)



## Barrier Strip

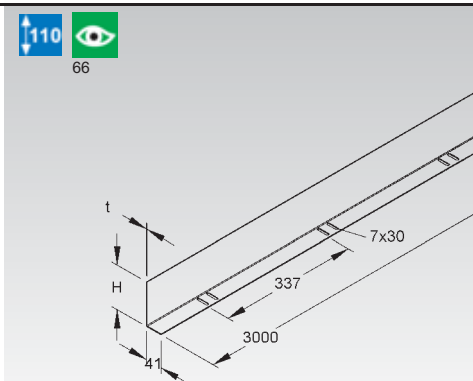
perforated angle iron

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S RWTS 110-1.0	108/4,2	1	4 FLM 6X12	861903	113,7
S RWTS 110-1.5	108/4,2	1,5	4 FLM 6X12	861934	170,3
S RWTS 110-2.0	108/4,2	2	4 FLM 6X12	861965	227,3

for a continuously variable division of width

Recommended number of barrier strips to support the walkable cover:

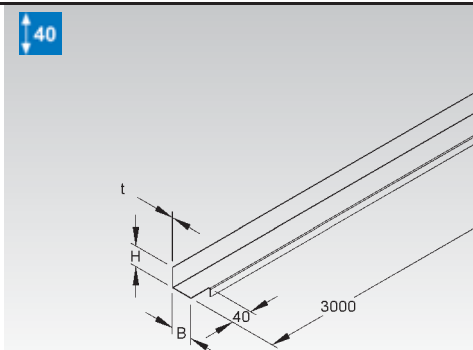
- width = 100 mm - 0 pieces
- width = 200 mm - 1 piece
- width = 300 mm - 1 piece
- width = 400 mm - 2 pieces
- width = 500 mm - 2 pieces
- width = 600 mm - 3 pieces



## Divider Profile

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg
S TP 40.45	40/1,6	45/1,8	1	861101	75

for making an extra run of cables along the side rail, ex. for phone or fibre cables



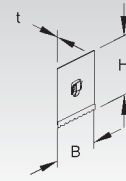
## Mounting Plate for Barrier Strip

self-locking

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> TPHRS 110	107/4,2	83/3,2	0,9	861156	6,1

To be used for: Divider Profile TP 40.45

110



## Universal Splice Plate

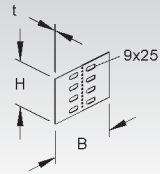
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RSUV 110-1.5	102/4	150/5,8	1,5	4 FLM 6X12	862009	16

for making horizontal and vertical joints for cable trays

110



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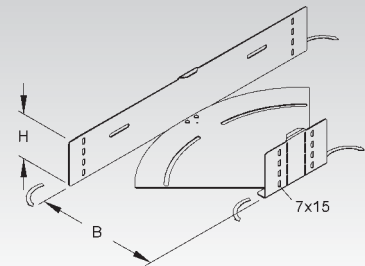


## Flexible Horizontal Elbow

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RBAVS 110.100	110/4,3	100/3,9	2	10 FLM 6X12	924042	120
<b>S</b> RBAVS 110.200	110/4,3	200/7,8	2	10 FLM 6X12	924066	190
<b>S</b> RBAVS 110.300	110/4,3	300/11,7	2	10 FLM 6X12	924080	290
<b>S</b> RBAVS 110.400	110/4,3	400/15,6	2	10 FLM 6X12	924103	400
<b>S</b> RBAVS 110.500	110/4,3	500/19,5	2	14 FLM 6X12	924127	550
<b>S</b> RBAVS 110.600	110/4,3	600/23,4	2	14 FLM 6X12	924141	720

horizontal splice, adjustable from 0° to 90°  
solid side rails, perforated for splices  
solid joint due to an overlapping bottom of fitting and cable tray

110



## Cover for Flexible Fitting

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> RBAVDS 100	105/4,1	2	924165	170
<b>S</b> RBAVDS 200	205/8	2	924189	310
<b>S</b> RBAVDS 300	305/11,9	2	924202	510
<b>S</b> RBAVDS 400	405/15,8	2	924226	780
<b>S</b> RBAVDS 500	505/19,7	2	924240	1110
<b>S</b> RBAVDS 600	605/23,6	2	924264	1520

adjustable from 0 - 90°,

To be used for: flexible horizontal elbow RBAVS

Covers are attached by using stainless steel clamp RDHF 9 E2. For horizontal mounting only. Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

4x RDHF 9 E2 cover clips required per cover. Please order separately.



RDHF 9 E2

RDHF 9 E2

RDHF 9 E2

RDHF 9 E2

RDHF 9 E2

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RDHF 9 E2

RDHF 9 E2

# WALKABLE CABLE TRAY SYSTEM

## Cover for Flexible Fitting

with heavy-duty aluminium checker blade

	model no.	width B		thick-ness (t)	EAN code	Weight per 100 pc. kg
		mm	Inch			
S	RBAVDSRS 100	105	4,1	4,5	925322	180
S	RBAVDSRS 200	205	8	4,5	925346	340
S	RBAVDSRS 300	305	11,9	4,5	925360	580
S	RBAVDSRS 400	405	15,8	4,5	925384	900
S	RBAVDSRS 500	505	19,7	4,5	925407	1310
S	RBAVDSRS 600	605	23,6	4,5	925421	1800

Covers are made up of a 2 mm of steel panel and a 2.5 mm aluminum checker blade.

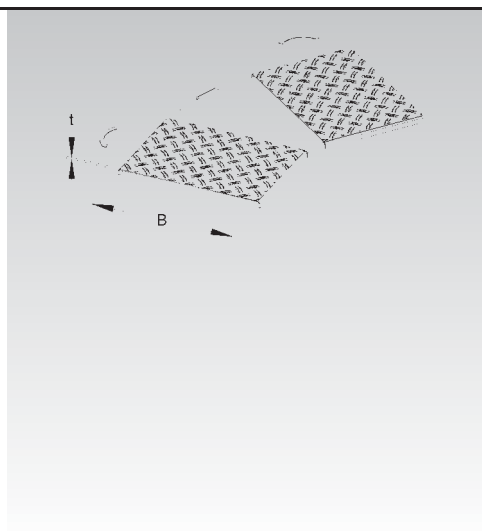
To be used for: flexible horizontal elbow RBAVS

Covers are attached by using stainless steel clamp RDHF 9 E2. For horizontal mounting only. Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

4x RDHF 9 E2 cover clips required per cover. Please order separately.

Other slip-resistant coatings available on request.



## Cover Clamp

	model no.	EAN code	Weight per 100 pc. kg
★	F9 RDHFS 9 F9	926282	

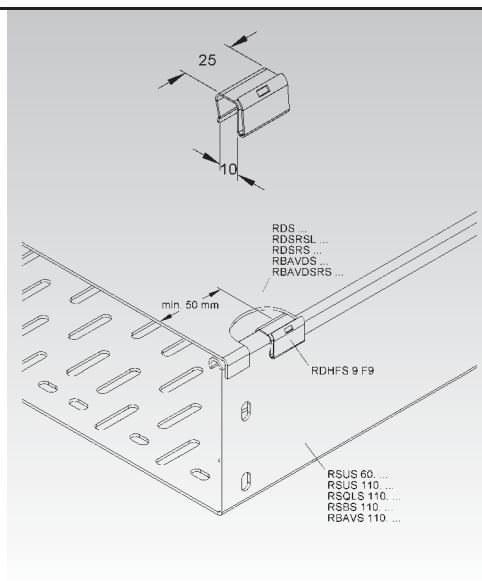
for fixing covers on flexible cable tray fittings

To be used for: Cable Tray Fitting Cover RDS..., RDVS..., RDSRSL..., RDVSRSL..., RDSRS..., RDVSR..., RBAVDS... und RBAVDSRS...

Covers are attached by using stainless steel clamp RDHF 9 E2. For horizontal mounting only.

Please maintain a minimum distance of 50 mm from both ends of the cover.

Outdoor usage requires additional securing against windloads etc.

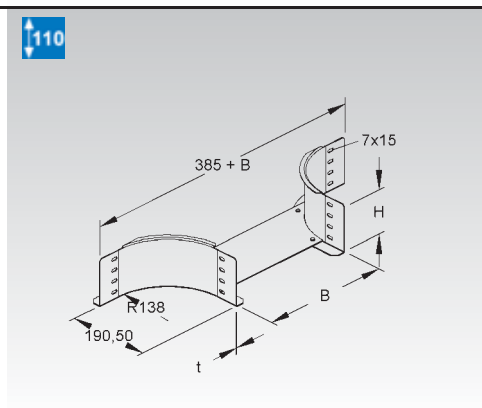


## Extension Horizontal Tee

	model no.	height (H)		width B	thick-ness (t)	acc. incl.	EAN code	Weight per 100 pc. kg	
		mm	Inch						
S	RTAS 110.100	110	4,3	100	3,9	2	10 FLM 6X12	862801	184
S	RTAS 110.200	110	4,3	200	7,8	2	10 FLM 6X12	862825	207
S	RTAS 110.300	110	4,3	300	11,7	2	10 FLM 6X12	862849	231
S	RTAS 110.400	110	4,3	400	15,6	2	10 FLM 6X12	862856	255
S	RTAS 110.500	110	4,3	500	19,5	2	10 FLM 6X12	862863	279
S	RTAS 110.600	110	4,3	600	23,4	2	10 FLM 6X12	862887	304

to make 90° horizontal Tee-fittings

solid side rails, perforated for splices, integrated splice plate

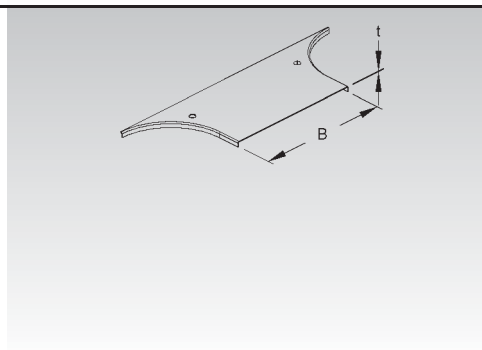


## Cover for Horizontal Extension Tee

with turnbolt locks

	model no.	width B		thick-ness (t)	EAN code	Weight per 100 pc. kg
		mm	Inch			
S	RTADVS 100	105	4,1	2	863600	58
S	RTADVS 200	205	8	2	863624	88
S	RTADVS 300	305	11,9	2	863648	113
S	RTADVS 400	405	15,8	2	863655	134
S	RTADVS 500	505	19,7	2	863662	180
S	RTADVS 600	605	23,6	2	863686	192

To be used for: extension horizontal tee for cable trays, siderail height 110 mm, type RTAS



### Cover for Horizontal Extension Tee

with turnbolt locks and heavy duty aluminum checker plate riveted to the steel cover

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RTADVSR 100	105/4,1	4,5	863808	106
S RTADVSR 200	205/8	4,5	863822	132
S RTADVSR 300	305/11,9	4,5	863846	196
S RTADVSR 400	405/15,8	4,5	863853	218
S RTADVSR 500	505/19,7	4,5	863860	295
S RTADVSR 600	605/23,6	4,5	863884	334

Covers are made up of a 2 mm of steel panel and a 2.5 mm aluminum checker blade.

To be used for: extension horizontal tee for cable trays, siderail height 110 mm, type RTAS

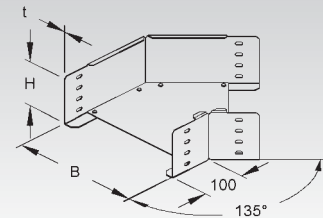
Other slip-resistant coatings available on request.



### Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RBAS 110.100	110/4,3	100/3,9	2	4 FLM 6X12	862504	128
S RBAS 110.200	110/4,3	200/7,8	2	5 FLM 6X12	862528	186
S RBAS 110.300	110/4,3	300/11,7	2	5 FLM 6X12	862542	266
S RBAS 110.400	110/4,3	400/15,6	2	6 FLM 6X12	862566	354
S RBAS 110.500	110/4,3	500/19,5	2	6 FLM 6X12	862573	472
S RBAS 110.600	110/4,3	600/23,4	2	6 FLM 6X12	862597	690

to make a horizontal 45° elbow solid side rails, perforated for splices, integrated splice plate

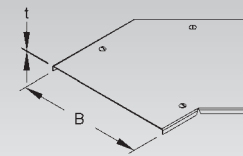


### Cover for 45° Elbow

with turnbolt locks

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RBADV 100	105/4,1	2	863105	50
S RBADV 200	205/8	2	863129	102
S RBADV 300	305/11,9	2	863143	190
S RBADV 400	405/15,8	2	863167	240
S RBADV 500	505/19,7	2	863174	310
S RBADV 600	605/23,6	2	863198	440

To be used for: cable ladder horizontal bends of 45° for siderail heights of 110 mm, type RBAS



### Cover for 45° Elbow

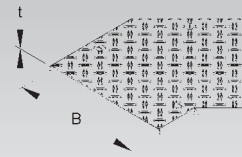
with turnbolt locks and heavy duty aluminum checker plate riveted to the steel cover

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RBADVSR 100	105/4,1	4,5	863303	67
S RBADVSR 200	205/8	4,5	863327	142
S RBADVSR 300	305/11,9	4,5	863341	260
S RBADVSR 400	405/15,8	4,5	863365	340
S RBADVSR 500	505/19,7	4,5	863372	455
S RBADVSR 600	605/23,6	4,5	863396	630

Covers are made up of a 2 mm of steel panel and a 2.5 mm aluminum checker blade.

To be used for: cable ladder horizontal bends of 45° for siderail heights of 110 mm, type RBAS

Other slip-resistant coatings available on request.



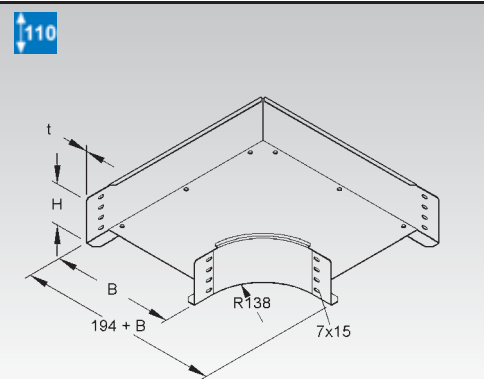


# WALKABLE CABLE TRAY SYSTEM

## Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RESS 110.100	110/4,3	100/3,9	2	4 FLM 6X12	862702	246
S RESS 110.200	110/4,3	200/7,8	2	5 FLM 6X12	862726	390
S RESS 110.300	110/4,3	300/11,7	2	5 FLM 6X12	862740	580
S RESS 110.400	110/4,3	400/15,6	2	6 FLM 6X12	862764	768
S RESS 110.500	110/4,3	500/19,5	2	6 FLM 6X12	862771	1030
S RESS 110.600	110/4,3	600/23,4	2	6 FLM 6X12	862795	1381

to make 90° horizontal elbows  
solid side rails, perforated for splices, integrated splice plate

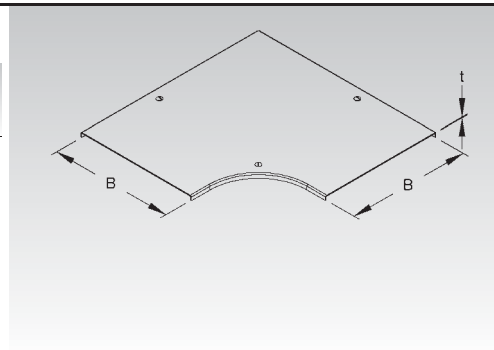


## Cover for 90° Elbow

with turnbolt locks

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RESDVS 100	105/4,1	2	863501	107
S RESDVS 200	205/8	2	863525	208
S RESDVS 300	305/11,9	2	863549	351
S RESDVS 400	405/15,8	2	863563	586
S RESDVS 500	505/19,7	2	863570	738
S RESDVS 600	605/23,6	2	863594	958

To be used for: cable ladder horizontal bends of 90° for siderail heights of 110 mm, type RESS



## Cover for 90° Elbow

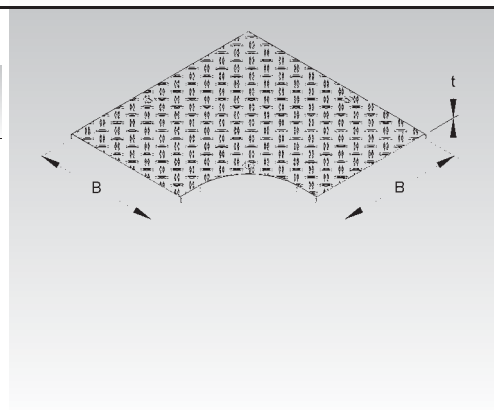
with turnbolt locks and heavy duty aluminum checker plate riveted to the steel cover

model no.	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
S RESDVRS 100	105/4,1	4,5	863709	152
S RESDVRS 200	205/8	4,5	863723	294
S RESDVRS 300	305/11,9	4,5	863747	493
S RESDVRS 400	405/15,8	4,5	863761	798
S RESDVRS 500	505/19,7	4,5	863778	1034
S RESDVRS 600	605/23,6	4,5	863792	1350

Covers are made up of a 2 mm of steel panel and a 2.5 mm aluminum chequer blade.

To be used for: cable ladder horizontal bends of 90° for siderail heights of 110 mm, type RESS

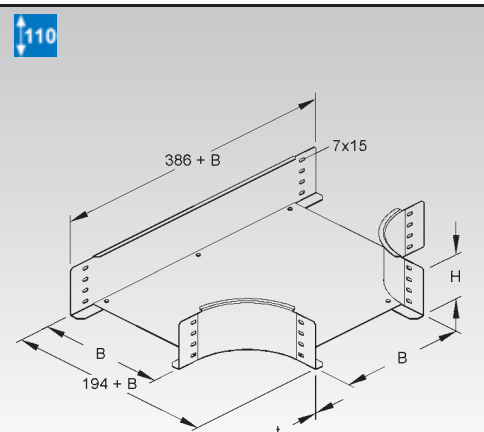
Other slip-resistant coatings available on request.



## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S RTSS 110.100	110/4,3	100/3,9	2	8 FLM 6X12	862900	327
S RTSS 110.200	110/4,3	200/7,8	2	8 FLM 6X12	862924	480
S RTSS 110.300	110/4,3	300/11,7	2	10 FLM 6X12	862948	648
S RTSS 110.400	110/4,3	400/15,6	2	12 FLM 6X12	862962	890
S RTSS 110.500	110/4,3	500/19,5	2	12 FLM 6X12	862979	1130
S RTSS 110.600	110/4,3	600/23,4	2	12 FLM 6X12	862993	1425

to make 90° horizontal Tee-fittings  
solid side rails, perforated for splices, integrated splice plate

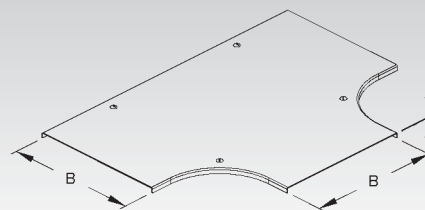


## Cover for Horizontal Tee

with turnbolt locks

	model no.	width B		thick-ness (t)	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch			
S	RTSDVS 100	105/4,1		2	863907	142
S	RTSDVS 200	205/8		2	863921	281
S	RTSDVS 300	305/11,9		2	863945	446
S	RTSDVS 400	405/15,8		2	863969	643
S	RTSDVS 500	505/19,7		2	863976	892
S	RTSDVS 600	605/23,6		2	863990	1136

To be used for: cable tray horizontal tee for siderail height of 110 mm, type RTSS...



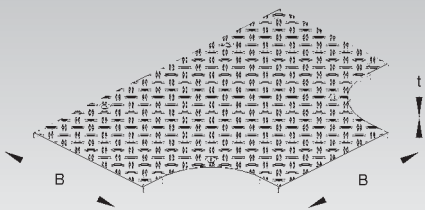
## Cover for Horizontal Tee

with turnbolt locks and heavy duty aluminum checker plate riveted to the steel cover

	model no.	width B		thick-ness (t)	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch			
S	RTSDVSR 100	105/4,1		4,5	864102	212
S	RTSDVSR 200	205/8		4,5	864126	413
S	RTSDVSR 300	305/11,9		4,5	864140	655
S	RTSDVSR 400	405/15,8		4,5	864164	980
S	RTSDVSR 500	505/19,7		4,5	864171	1290
S	RTSDVSR 600	605/23,6		4,5	864195	1662

To be used for: cable tray horizontal tee for siderail height of 110 mm, type RTSS...

Other slip-resistant coatings available on request.



## Turn-bolt Lock

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
E3 RDRS 2 E3	1 FLM 6x12 E3, 1 US M6 E3, 1 SM 6 E3	337606	1,5

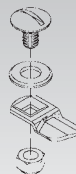
for subsequent or additional mounting to the cover

To be used for: Cover for Cable Tray Fitting RDSV 50 and RDSV 100

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

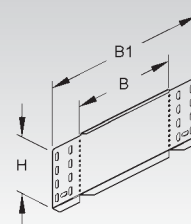
delivered as a kit (not assembled)



## Offset Reducing Splice Plate / Blind End

	model no.	height (H)	width B	width B1	acc. incl.	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch	mm/Inch			
S	RA 110.050	110/4,3	50/2	172	4 FLM 6x12	764105	15
S	RA 110.200	110/4,3	200/7,8	322	4 FLM 6x12	764402	31
S	RA 110.400	110/4,3	400/15,6	522	4 FLM 6x12	764808	52
S	RA 110.500	110/4,3	500/19,5	622	4 FLM 6x12	764907	62
S	RA 110.600	110/4,3	600/23,4	722	4 FLM 6x12	858606	73

To close a dead end of a cable tray or for joining cable trays of different width.

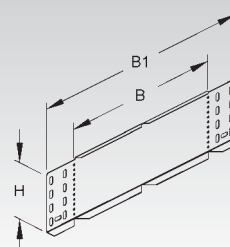


## Adjustable Horizontal Splice Plate / Blind

	model no.	height (H)	width B	width B1	acc. incl.	EAN code	Weight per 100 pc. kg
		mm/Inch	mm/Inch	mm/Inch			
S	RAW 110.100	110/4,3	100/3,9	222	4 FLM 6x12	764204	21
S	RAW 110.300	110/4,3	300/11,7	422	4 FLM 6x12	764600	41

to make horizontal bends

To close a dead end of a cable tray or for joining cable trays of different width.



# WALKABLE CABLE TRAY SYSTEM

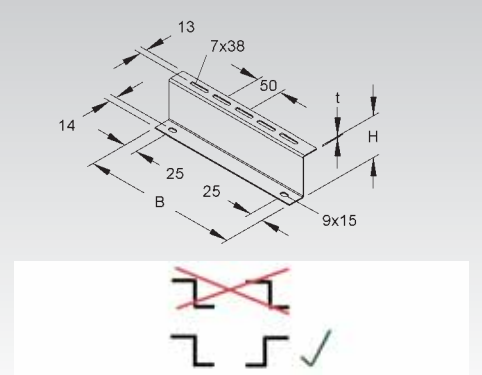
## Floor Mounting Bracket (height: 80 mm)

perforated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RZP 80/100	80/3,1	100/3,9	2	2 FLM 6X12	191864	20
S	RZP 80/200	80/3,1	200/7,8	2	2 FLM 6X12	861200	41
S	RZP 80/300	80/3,1	300/11,7	2	2 FLM 6X12	861224	61
S	RZP 80/400	80/3,1	400/15,6	2	2 FLM 6X12	861248	82
S	RZP 80/500	80/3,1	500/19,5	2	2 FLM 6X12	861262	102
S	RZP 80/600	80/3,1	600/23,4	2	2 FLM 6X12	861286	122
S	RZP 80/1000	80/3,1	1000/39	2	3 FLM 6X12	861309	205
S	RZP 80/2000	80/3,1	2000/78	2	5 FLM 6X12	861323	411
S	RZP 80/3000	80/3,1	3000/117	2	7 FLM 6X12	861347	616

Alternate mounting of Z-shaped bracket is recommended.

The Z-shaped bracket can be used as a low cost floor mount device for cable trays.



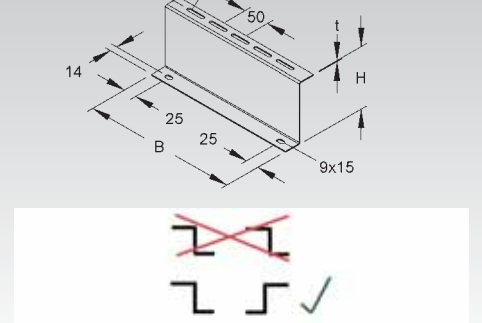
## Floor Mounting Bracket (height: 120 mm)

perforated

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	RZP 120/100	120/4,7	100/3,9	2	2 FLM 6X12	861408	27
S	RZP 120/200	120/4,7	200/7,8	2	2 FLM 6X12	861422	54
S	RZP 120/300	120/4,7	300/11,7	2	2 FLM 6X12	861446	80
S	RZP 120/400	120/4,7	400/15,6	2	2 FLM 6X12	861460	110
S	RZP 120/500	120/4,7	500/19,5	2	2 FLM 6X12	861484	136
S	RZP 120/600	120/4,7	600/23,4	2	2 FLM 6X12	861507	163
S	RZP 120/1000	120/4,7	1000/39	2	3 FLM 6X12	861521	273
S	RZP 120/2000	120/4,7	2000/78	2	5 FLM 6X12	861545	546
S	RZP 120/3000	120/4,7	3000/117	2	7 FLM 6x12	861569	820

The Z-shaped bracket can be used as a low cost floor mount device for cable trays.

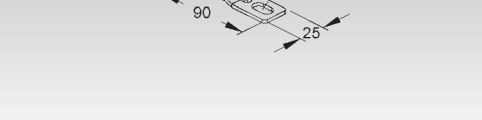
Alternate mounting of Z-shaped bracket is recommended.



## Floor Clamp

	model no.	length (A) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
V	RZPBL 25.90	90/3,5	25/1	3	861583	5

for clamping of pre-installed floor mounting devices RZP...



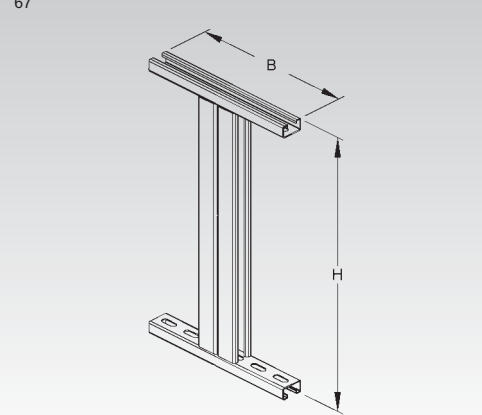
## Floor Support

symmetric

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	RSST 500.100	500/19,5	100/3,9	2 ZKUGM 6X30	872206	258
F	RSST 500.200	500/19,5	200/7,8	2 ZKUGM 6X30	872220	287
F	RSST 500.300	500/19,5	300/11,7	2 ZKUGM 6X30	872237	317
F	RSST 500.400	500/19,5	400/15,6	2 ZKUGM 6X30	872244	346
F	RSST 500.500	500/19,5	500/19,5	2 ZKUGM 6X30	872251	376
F	RSST 500.600	500/19,5	600/23,4	2 ZKUGM 6X30	872275	406

C-rail type 2986 (40x22x2 mm), perforated, slot size 11,5x30 mm, slot width 18 mm

C-rail type 2988 (40x40x2,5 mm) non-perforated, slot width 18 mm



## Floor Support

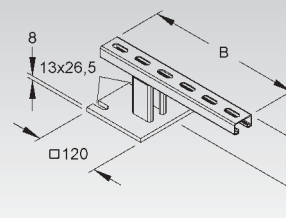
asymmetric, closed, perforated

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F RSSTA 100.100	100/3,9	100/3,9	2 FLM 6x12 F, 2 UGM 6	872305	125
F RSSTA 100.200	100/3,9	200/7,8	2 FLM 6x12 F, 2 UGM 6	872329	140
F RSSTA 100.300	100/3,9	300/11,7	2 FLM 6x12 F, 2 UGM 6	872336	154
F RSSTA 100.400	100/3,9	400/15,6	2 FLM 6x12 F, 2 UGM 6	872343	169
F RSSTA 100.500	100/3,9	500/19,5	2 FLM 6x12 F, 2 UGM 6	872350	184
F RSSTA 100.600	100/3,9	600/23,4	2 FLM 6x12 F, 2 UGM 6	872374	199

C-rail type 2986 (40x22x2 mm), perforated, slot size 11,5x30 mm, slot width 18 mm  
C-rail type 2988 (40x40x2,5 mm) non-perforated, slot width 18 mm



67



## Floor Support

asymmetric, closed, solid

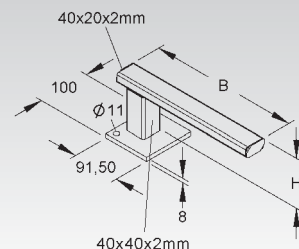
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F RSSTAA 108.100	108/4,2	92/3,6	924288	95,7
F RSSTAA 108.200	108/4,2	192/7,5	924301	113,7
F RSSTAA 108.300	108/4,2	292/11,4	924325	131,8
F RSSTAA 108.400	108/4,2	392/15,3	924349	149,8
F RSSTAA 108.500	108/4,2	492/19,2	924363	167,5
F RSSTAA 108.600	108/4,2	592/23,1	924387	185,5

RHS (rectangular hollow section) 40x20x2 mm, solid.

Use extra bearing RSSTAAS 88 for the RSSTAA 500 + 600 type asymetrical floor support.



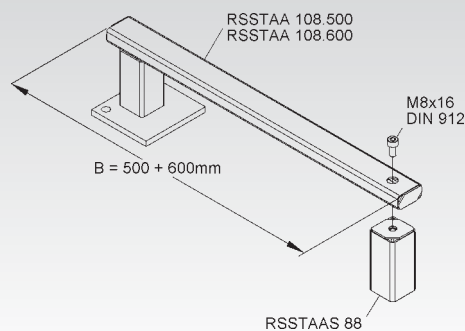
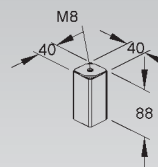
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## Support Member

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
★ F RSSTAAS 88	1 M 8x16	927241	

To be used for: optional bearing for the RSSTAA 500 + 600 type asymetrical floor support  
Support has to be ordered separately.



## Slotted Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
V FLM 6 X 12	M6	12/0,5	-	206209	0,8

electroplated finish, with serrated flange nut



# WALKABLE CABLE TRAY SYSTEM

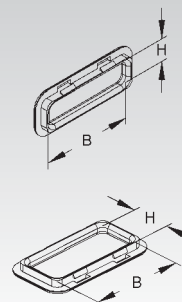
## Edge Protection Ring

model no.	inside dimension (H) mm/Inch	inside dimension (B) mm/Inch	convenient for mm/Inch	EAN code	Weight per 100 pc. kg
K03 <b>KSR 20</b>	14,5	58	20 x 65 mm	258703	0,5
K03 <b>KSR 30</b>	24	58	30 x 65 mm	258802	0,5

to protect cables against damages at the dropouts of tray or surface metal raceway

**To prevent accidents and injuries you must install the edge protection ring.**

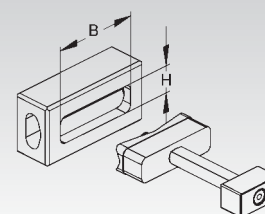
To be used for: distribution cable tray RSV 50..., industrial surface metal raceway and for edge protection of punched square holes using BL 20/30.65



## Plate Punching Machine

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
B <b>BL 20.65</b>	20/0,8	65/2,5	872121	108
B <b>BL 30.65</b>	30/1,2	65/2,5	872145	108

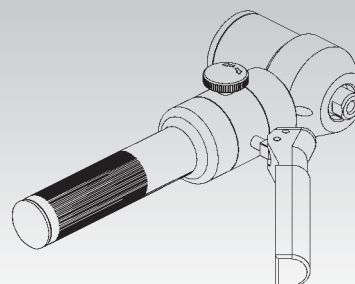
for onsite punching of 20x65 mm or 30x65 mm square holes as cable dropouts into tray. Corresponding edge protection rings are required.



## Hydraulic Tool

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>HHA 90</b>	112/4,4	295/11,5	872169	355

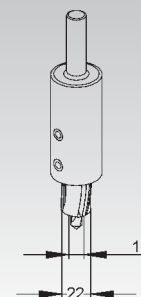
especially for metal punching tool type 20.65 and 30.65



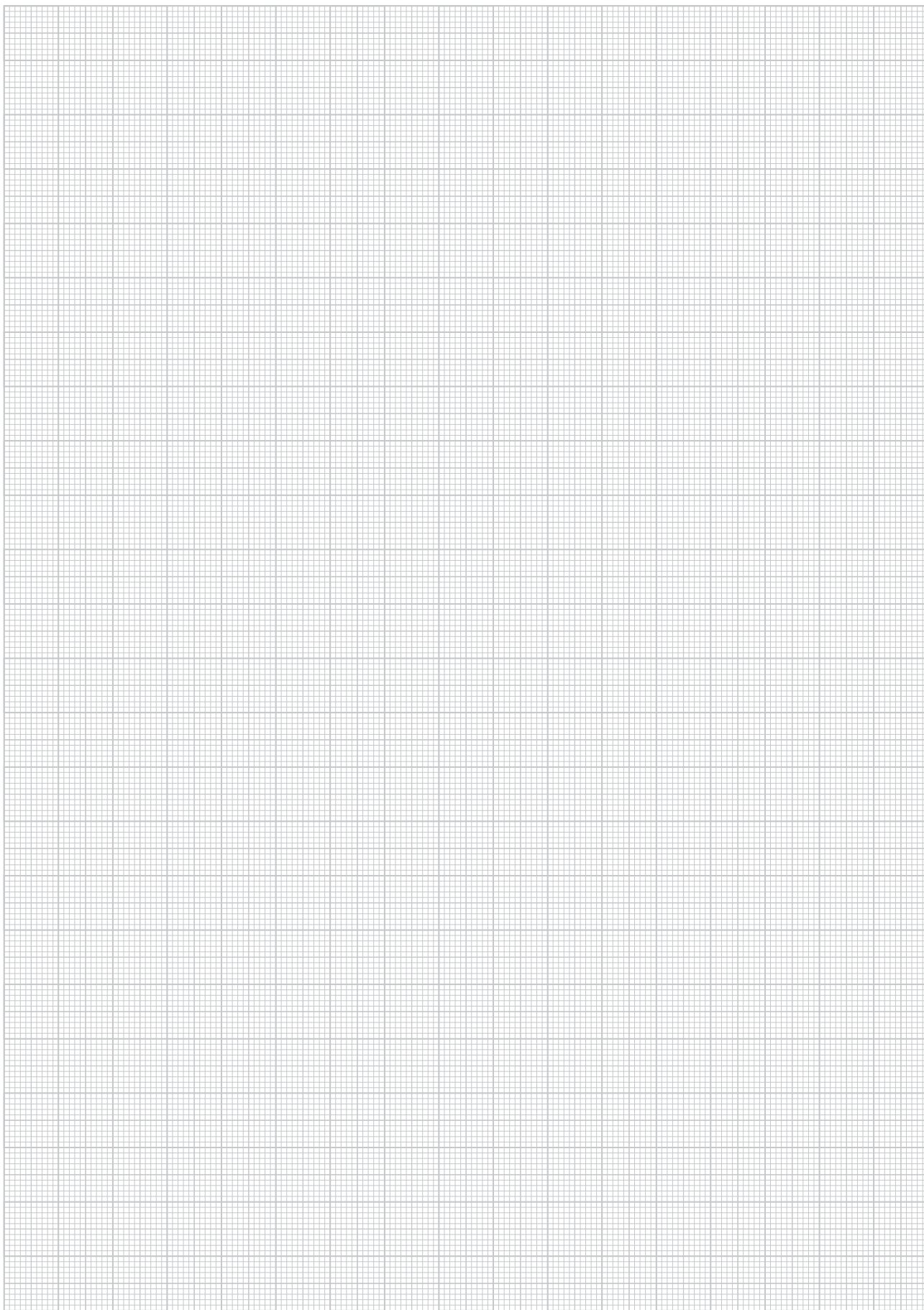
## Step Drill for Covers

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
B <b>SB 10.23</b>	170/6,6	872107	70

for onsite installation of turnbolt locks. The drilling into the steel cover and the countersinking of the aluminum checker blade can be done in one step.

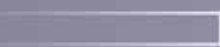
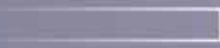








2025/01/17

## Cable Ladder System

-  Cable Ladder
-  Fittings
-  Covers
-  Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



Cable ladders are ideal to install large volumes of heavy duty power cables. The long rung spacing means full free air rating of cables. Higher current flow can be achieved at the same cable cross-section. Overheating and consecutive damaging of cables is avoided.

The new shape of the side rail allows higher cable loads at similar support spans, the continuous perforation in the siderails guarantees easy mounting of fittings. Cables can be installed and fixed to the rungs using appropriate yoke clamps.

Niedax Cable ladders can be slit together to minimize transport and storage volume needs.

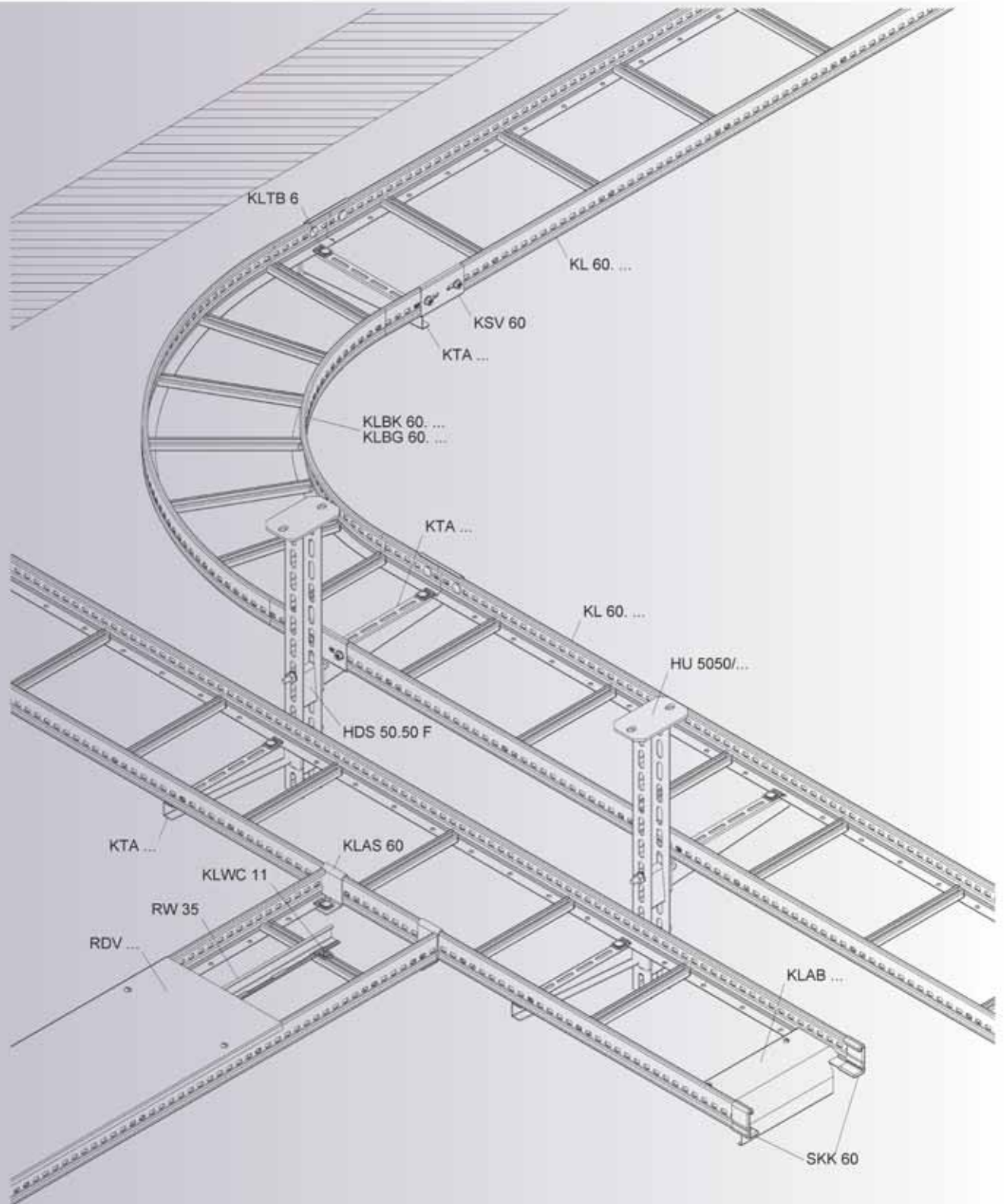


## Available Side Rail Heights

SYSTEM	Cable Ladder	<b>KL</b>	Page 254
ACCESSORIES	Splice Plate	<b>KSV 60</b>	Page 254
	Barrier Strip	<b>RW 35</b>	Page 255
	Splice Plate for Barrier Strip	<b>RTV 35</b>	Page 255
	Mounting Clamp for Barrier Strip	<b>KLWC 11</b>	Page 255
	Extension Horizontal Tee	<b>KLTA</b>	Page 256
	Tee-down, at the right	<b>KLAR</b>	Page 256
	Tee-down, on the left	<b>KLAL</b>	Page 256
	Elbow	<b>KLE</b>	Page 257
	Horizontal Tee	<b>KLT</b>	Page 257
	Horizontal Cross	<b>KLK</b>	Page 257
	Horizontal Elbow 90°, small	<b>KLBK</b>	Page 258
	Large Elbow 90°	<b>KLBG</b>	Page 258
	Vertical Adjustable Splice Plate	<b>KWV 60</b>	Page 259
	Adjustable Elbow	<b>KGS</b>	Page 259
	Adjustable Splice Plate	<b>KGV 60</b>	Page 259
	Cable Ladder Connection Piece	<b>KLAS 60</b>	Page 259
	Pair of Protective Caps	<b>SKK 60</b>	Page 260
	Corner Plate	<b>KLEB</b>	Page 269
	Ladder Drop-out	<b>KLAB</b>	Page 269
	Cable Ladder Mounting Device	<b>KLTB 6</b>	Page 269
	Wall Support, isosceles	<b>WWU 150/8</b>	Page 269
	Wall Support, asymmetric	<b>WWA 100</b>	Page 269
	Cover for Cable Tray/Ladder	<b>RD</b>	Page 270
	Cover for Cable Tray/Ladder, with turnbolt locks	<b>RDV</b>	Page 271

Cable Ladders and Fittings are manufactured.







## Cable Ladder Specifications:

### A. CABLE TRAY DESIGN

1. Cable Tray shall be made of straight sections, fittings and accessories as defined in the latest NEMA standards per NEMA VE-1. Standard cable trays shall be UL classified as equipment grounding conductors.

### B. MATERIAL

1. **Pre-galvanized steel.** The structural quality of the steel shall meet the minimum yield and tensile strength of the ASTM standards (ASTM A 653) with G 90 coating thickness. All cable trays to be labeled for material identification purposes.
2. **Hot dipped galvanized steel.** All trays to be hot-dipped galvanized in accordance with ASTM A123. All trays to be labeled for material identification.
3. **Stainless steel.** All trays are to be constructed of AISA type 304 or 316 stainless steel. All trays to be labeled for material identification.

### C. TRAY TYPES

1. **Ladder cable tray.** Ladder shall consist of two side-rails with rungs riveted to the bottom flange of the side-rails. Rungs shall be spaced 8" or 12" (200 or 300 mm) on center. Rungs shall not protrude below the bottom of the side-rail.
2. **Allround Ladder cable tray.** Ladder shall consist of two side-rails with rungs welded to the side-rails. Rungs shall be spaced 10" (250 mm) on center. Rungs shall not protrude below the bottom of the side-rail.

### D. TRAY SIZE

1. **Height:** Ladder shall have an overall height of 2.3" and 4" (60 and 100 mm). Minimum load depth shall be 2" and 3.5" (50 and 90 mm).
2. **Width:** Widths shall be 8", 12", 16", 20" and 24" (200, 300, 400, 500 and 600 mm)
3. **Length:** Length shall be a nominal 10' or 3 meters and 20' or 6 meters

### E. ACCESSORIES

1. **Covers.** Covers shall be supplied to protect tray cable where needed. Covers will be solid and contain three pair of turn-bolt locks to secure the covers to the lips of the cable tray, requiring only the use of a slotted screwdriver.
2. **Splice plates.** Splice plates shall fasten to the outside of the cable tray side-rails and wrap around and snap onto each section of tray. Bolts and nuts are used to fasten to the tray and are included with splice plates. Plates shall not exceed the NEMA VE-1 resistance of 330 micro ohms.
3. **Other accessories** shall be furnished as required to protect, support, and install a cable tray system. Fittings shall made of the same material as the cable tray whenever possible. Fittings can be of factory construction or also be of a type that allows field constructed fittings.

### F. LOADING CAPABILITIES

1. Cable tray shall meet the load/span class designation in accordance with NEMA VE 1 and CSA E22.2 No 126.1. Cable tray shall also meet load/span designation in accordance with IEC 61537

### G. DESIGN AND MANUFACTURE

1. Cable tray design shall be manufactured by The Niedax Group, KLX, KRC and KRO series.

**Load / Span Class Designation in accordance  
with NEMA VE 1 and CSA E22.2 No. 126.1**

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
KLX 60.203, ... F	279.0 / 0.43	258 / 0.4	113 / 75.9	2 / 6.6	8A, A
KLX 60.303, ... F	279.0 / 0.43	258 / 0.4	113 / 75.9	2 / 6.6	8A, A
KLX 60.403, ... F	279.0 / 0.43	258 / 0.4	113 / 75.9	2 / 6.6	8A, A
KLX 60.503, ... F	279.0 / 0.43	258 / 0.4	113 / 75.9	2 / 6.6	8A, A
KLX 60.603, ... F	279.0 / 0.43	258 / 0.4	113 / 75.9	2 / 6.6	8A, A
KLX 60.203 E3, ... E5	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.303 E3, ... E5	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.403 E3, ... E5	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.503 E3, ... E5	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.603 E3, ... E5	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.206 E3	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.306 E3	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.406 E3	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.506 E3	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 60.606 E3	252.0 / 0.39	129 / 0.2	113 / 75.9	2 / 6.6	8A, A
KLX 100.203, ... F	414.0 / 0.64	258 / 0.4	106.5 / 71.6	2 / 6.6	8A, A
KLX 100.303, ... F	414.0 / 0.64	258 / 0.4	106.5 / 71.6	2 / 6.6	8A, A
KLX 100.403, ... F	414.0 / 0.64	258 / 0.4	106.5 / 71.6	2 / 6.6	8A, A
KLX 100.503, ... F	414.0 / 0.64	258 / 0.4	106.5 / 71.6	2 / 6.6	8A, A
KLX 100.603, ... F	414.0 / 0.64	258 / 0.4	106.5 / 71.6	2 / 6.6	8A, A

# CABLE LADDER SYSTEM

## Cable Ladder

distance between rungs: 300 mm

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S KL 60.203	60/2,3	200/7,8	1,5	6	288007	250
S KL 60.303	60/2,3	300/11,7	1,5	6	288106	260
S KL 60.403	60/2,3	400/15,6	1,5	6	288205	275
S KL 60.503	60/2,3	500/19,5	1,5	6	288304	320
S KL 60.603	60/2,3	600/23,4	1,5	6	288403	340
F KL 60.203 F	60/2,3	200/7,8	1,5	6	569908	250
F KL 60.303 F	60/2,3	300/11,7	1,5	6	570003	260
F KL 60.403 F	60/2,3	400/15,6	1,5	6	570102	275
F KL 60.503 F	60/2,3	500/19,5	1,5	6	570201	320
F KL 60.603 F	60/2,3	600/23,4	1,5	6	570300	340
E3 KL 60.203 E3	60/2,3	200/7,8	1,5	6	340705	257
E3 KL 60.303 E3	60/2,3	300/11,7	1,5	6	340804	282
E3 KL 60.403 E3	60/2,3	400/15,6	1,5	6	340903	307
E3 KL 60.503 E3	60/2,3	500/19,5	1,5	6	341009	332
E3 KL 60.603 E3	60/2,3	600/23,4	1,5	6	341108	357
E5 KL 60.203 E5	60/2,3	200/7,8	1,5	6	730001	257
E5 KL 60.303 E5	60/2,3	300/11,7	1,5	6	730100	282
E5 KL 60.403 E5	60/2,3	400/15,6	1,5	6	730209	307
E5 KL 60.503 E5	60/2,3	500/19,5	1,5	6	730223	332
E5 KL 60.603 E5	60/2,3	600/23,4	1,5	6	730247	357

perforated side rails with extra punch holes (diameter 8.5 mm) in the bottom, C-rail rungs with 11 mm slot width riveted to the side rails

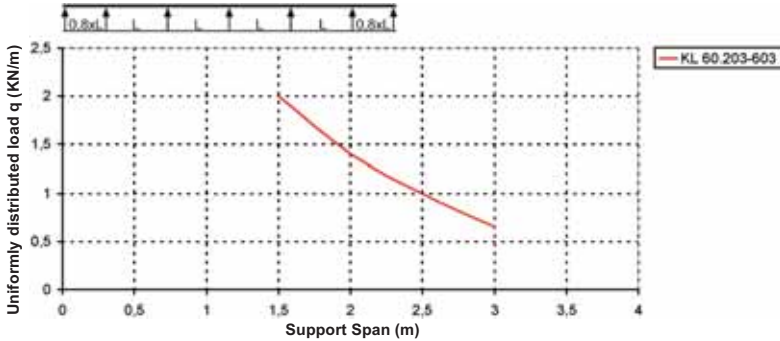
**HDG finish, bottom of side rails non perforated**

25 mm center distance for punch holes 9x15 mm

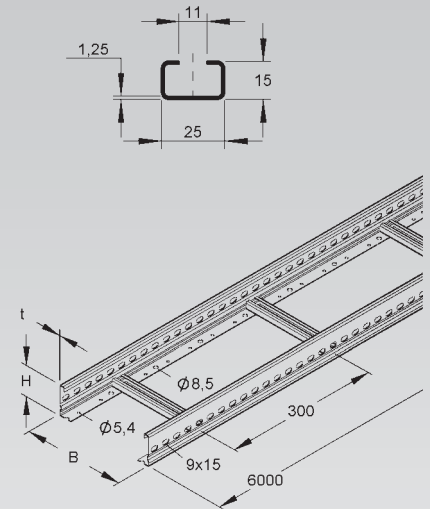
Cable ladder is available in 3 meter length as well.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



60



## Splice Plate

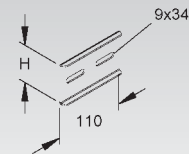
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S KSV 60 S	60/2,3	2 FLM 8x13 F	289875	16
F KSV 60 F	60/2,3	2 FLM 8x13 F	289882	17
E3 KSV 60 E3	60/2,3	2 FLM 8x16 E3	341757	14
E5 KSV 60 E5	60/2,3	2 SKM 8x16 E5	730322	14

for positive locking connections of cable ladders with a side rail height of 60 mm and corresponding fittings

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

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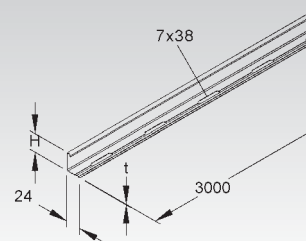


### Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 35	30/1,2	0,75	4 FLM 6x12	213504	35
<b>F</b> RW 35 F	30/1,2	0,75	4 FLM 6x12 F	213603	35
<b>E3</b> RW 35 E3	30/1,2	0,8	4 FLM 6x12 E3	333325	50

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

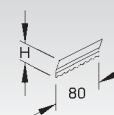


### Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 35 E2	29/1,1	80/3,1	213658	1

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



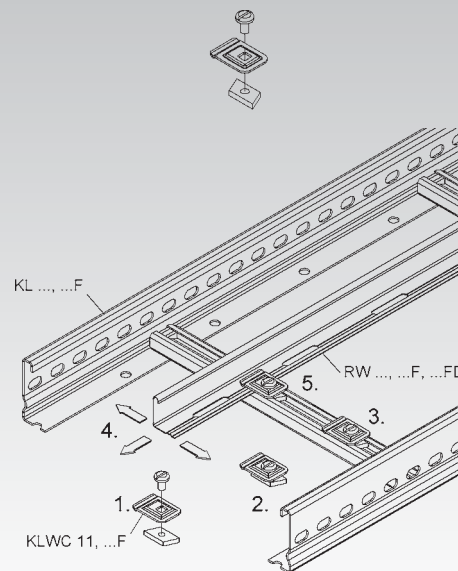
### Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 11	1 FK 6x10, GSM 306	289608	2
<b>F</b> KLWC 11 F	1 FK 6x10 E3, GSM 306 E3	570409	3
<b>E3</b> KLWC 11 E3	1 FK 6x10 E3, GSM 306 E3	341627	3

for attaching barrier strips into the rungs of the long span ladder (slot width 11 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



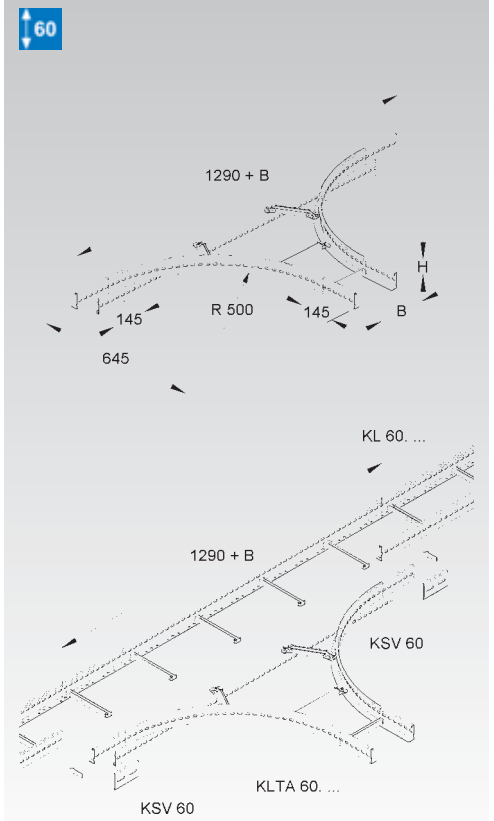
# CABLE LADDER SYSTEM

## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLTA 60.203	60/2,3	200/7,8	913503	472
S KLTA 60.303	60/2,3	300/11,7	913527	487
S KLTA 60.403	60/2,3	400/15,6	913541	497
S KLTA 60.503	60/2,3	500/19,5	913565	521
S KLTA 60.603	60/2,3	600/23,4	913589	546
F KLTA 60.203 F	60/2,3	200/7,8	913602	482
F KLTA 60.303 F	60/2,3	300/11,7	913626	507
F KLTA 60.403 F	60/2,3	400/15,6	913640	534
F KLTA 60.503 F	60/2,3	500/19,5	913664	560
F KLTA 60.603 F	60/2,3	600/23,4	913688	587

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



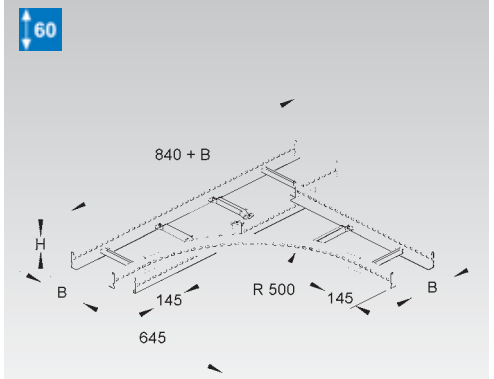
## Offset Tee

right

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLAR 60.203	60/2,3	200/7,8	292202	450
S KLAR 60.303	60/2,3	300/11,7	292301	490
S KLAR 60.403	60/2,3	400/15,6	292400	530
S KLAR 60.503	60/2,3	500/19,5	292509	620
S KLAR 60.603	60/2,3	600/23,4	292608	660
F KLAR 60.203 F	60/2,3	200/7,8	570607	450
F KLAR 60.303 F	60/2,3	300/11,7	570706	490
F KLAR 60.403 F	60/2,3	400/15,6	570805	530
F KLAR 60.503 F	60/2,3	500/19,5	570904	620
F KLAR 60.603 F	60/2,3	600/23,4	571000	660

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



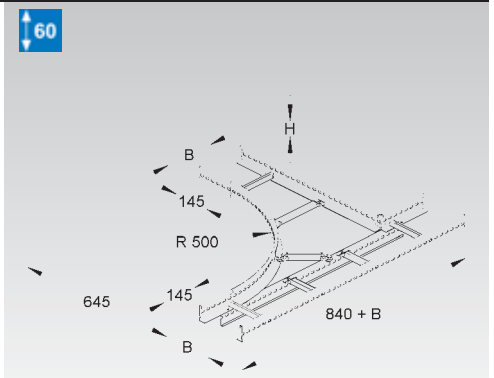
## Offset Tee

left

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLAL 60.203	60/2,3	200/7,8	292707	450
S KLAL 60.303	60/2,3	300/11,7	292806	490
S KLAL 60.403	60/2,3	400/15,6	292905	530
S KLAL 60.503	60/2,3	500/19,5	293001	620
S KLAL 60.603	60/2,3	600/23,4	293100	660
F KLAL 60.203 F	60/2,3	200/7,8	571109	450
F KLAL 60.303 F	60/2,3	300/11,7	571208	490
F KLAL 60.403 F	60/2,3	400/15,6	571307	530
F KLAL 60.503 F	60/2,3	500/19,5	571406	620
F KLAL 60.603 F	60/2,3	600/23,4	571505	660

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.





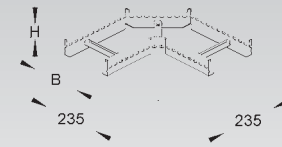
## Elbow

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLE 60.203	60/2,3	200/7,8	291205	180
S KLE 60.303	60/2,3	300/11,7	291304	220
S KLE 60.403	60/2,3	400/15,6	291403	270
S KLE 60.503	60/2,3	500/19,5	291502	340
S KLE 60.603	60/2,3	600/23,4	291601	380
F KLE 60.203 F	60/2,3	200/7,8	571604	180
F KLE 60.303 F	60/2,3	300/11,7	571703	220
F KLE 60.403 F	60/2,3	400/15,6	571802	270
F KLE 60.503 F	60/2,3	500/19,5	571901	340
F KLE 60.603 F	60/2,3	600/23,4	572007	380
E5 KLE 60.203 E5	60/2,3	200/7,8	730506	180
E5 KLE 60.303 E5	60/2,3	300/11,7	730605	220
E5 KLE 60.403 E5	60/2,3	400/15,6	730704	270

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

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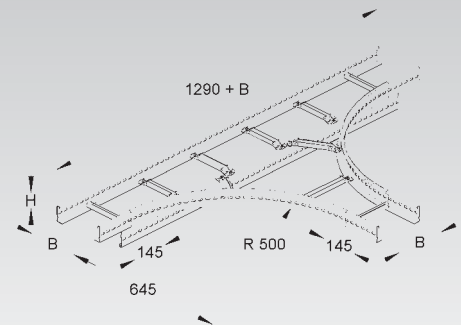
## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLT 60.203	60/2,3	200/7,8	291700	620
S KLT 60.303	60/2,3	300/11,7	291809	680
S KLT 60.403	60/2,3	400/15,6	291908	740
S KLT 60.503	60/2,3	500/19,5	292004	850
S KLT 60.603	60/2,3	600/23,4	292103	920
F KLT 60.203 F	60/2,3	200/7,8	573103	620
F KLT 60.303 F	60/2,3	300/11,7	573202	680
F KLT 60.403 F	60/2,3	400/15,6	573301	740
F KLT 60.503 F	60/2,3	500/19,5	573400	850
F KLT 60.603 F	60/2,3	600/23,4	573509	920
E3 KLT 60.203 E3	60/2,3	200/7,8	342808	680
E3 KLT 60.303 E3	60/2,3	300/11,7	342907	775
E3 KLT 60.403 E3	60/2,3	400/15,6	343003	870
E3 KLT 60.503 E3	60/2,3	500/19,5	343102	920
E3 KLT 60.603 E3	60/2,3	600/23,4	343201	1010

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



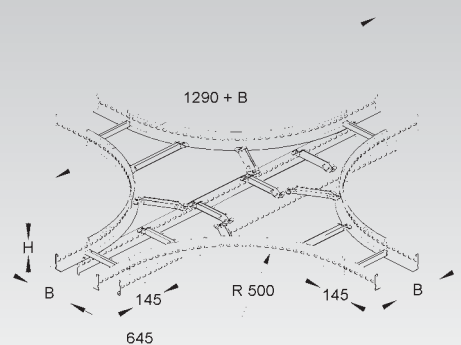
## Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLK 60.203	60/2,3	200/7,8	293209	680
S KLK 60.303	60/2,3	300/11,7	293308	750
S KLK 60.403	60/2,3	400/15,6	293407	830
S KLK 60.503	60/2,3	500/19,5	293506	980
S KLK 60.603	60/2,3	600/23,4	293605	1100
F KLK 60.203 F	60/2,3	200/7,8	573608	680
F KLK 60.303 F	60/2,3	300/11,7	573707	750
F KLK 60.403 F	60/2,3	400/15,6	573806	830
F KLK 60.503 F	60/2,3	500/19,5	573905	980
F KLK 60.603 F	60/2,3	600/23,4	574001	1100
E3 KLK 60.203 E3	60/2,3	200/7,8	343300	760
E3 KLK 60.303 E3	60/2,3	300/11,7	343409	880
E3 KLK 60.403 E3	60/2,3	400/15,6	343508	1000
E3 KLK 60.503 E3	60/2,3	500/19,5	343607	1080
E3 KLK 60.603 E3	60/2,3	600/23,4	343706	1220

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



# CABLE LADDER SYSTEM

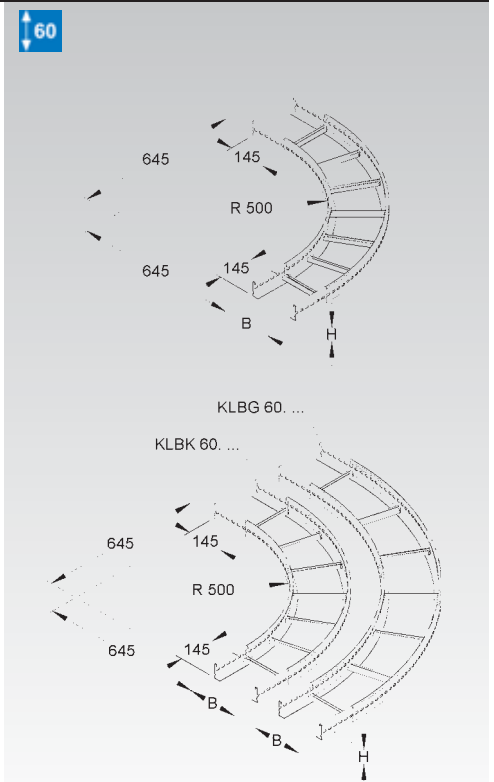
## Horizontal Elbow 90°, small

model no.	height (H)	width B	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch		
S KLBK 60.203	60/2,3	200/7,8	290208	360
S KLBK 60.303	60/2,3	300/11,7	290307	400
S KLBK 60.403	60/2,3	400/15,6	290406	440
S KLBK 60.503	60/2,3	500/19,5	290505	530
S KLBK 60.603	60/2,3	600/23,4	290604	570
F KLBK 60.203 F	60/2,3	200/7,8	572106	360
F KLBK 60.303 F	60/2,3	300/11,7	572205	400
F KLBK 60.403 F	60/2,3	400/15,6	572304	440
F KLBK 60.503 F	60/2,3	500/19,5	572403	530
F KLBK 60.603 F	60/2,3	600/23,4	572502	570
E3 KLBK 60.203 E3	60/2,3	200/7,8	342303	410
E3 KLBK 60.303 E3	60/2,3	300/11,7	342402	470
E3 KLBK 60.403 E3	60/2,3	400/15,6	342501	540
E3 KLBK 60.503 E3	60/2,3	500/19,5	342600	590
E3 KLBK 60.603 E3	60/2,3	600/23,4	342709	650

Sections of tray can be run in parallel. Minimum mounting distance in between two straight runs of the same width is 100 mm.

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



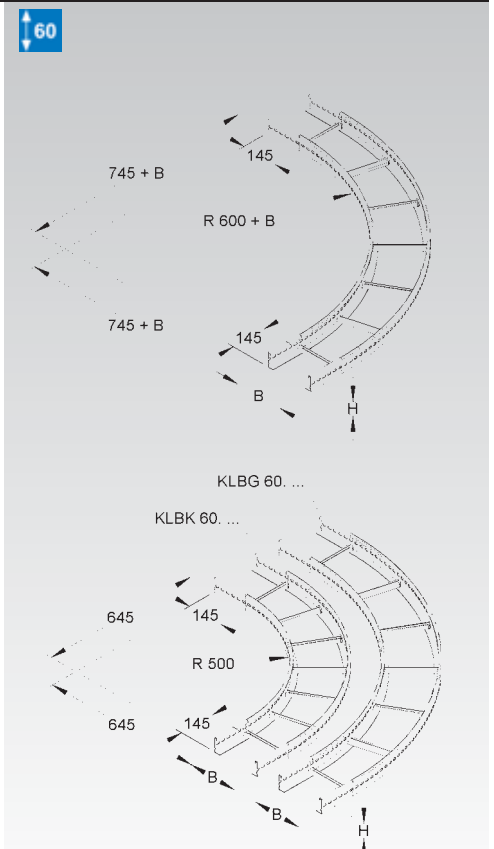
## Horizontal Elbow 90°, large

model no.	height (H)	width B	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch		
S KLBG 60.203	60/2,3	200/7,8	290703	470
S KLBG 60.303	60/2,3	300/11,7	290802	560
S KLBG 60.403	60/2,3	400/15,6	290901	650
S KLBG 60.503	60/2,3	500/19,5	291007	810
S KLBG 60.603	60/2,3	600/23,4	291106	940
F KLBG 60.203 F	60/2,3	200/7,8	572601	470
F KLBG 60.303 F	60/2,3	300/11,7	572700	560
F KLBG 60.403 F	60/2,3	400/15,6	572809	650
F KLBG 60.503 F	60/2,3	500/19,5	572908	810
F KLBG 60.603 F	60/2,3	600/23,4	573004	940

Sections of tray can be run in parallel. Minimum mounting distance in between two straight runs of the same width is 100 mm.

The splice plates KSV 60 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



## Adjustable Splice Plate

horizontal

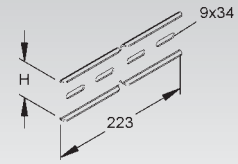
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> <b>KWV 60 S</b>	60/2,3	4 FLM 8x13 F	290024	33
<b>F</b> <b>KWV 60 F</b>	60/2,3	4 FLM 8x13 F	290048	35
<b>E3</b> <b>KWV 60 E3</b>	60/2,3	4 FLM 8x16 E3	341955	33
<b>E5</b> <b>KWV 60 E5</b>	60/2,3	4 SKM 8x16 E5	730384	33

to make horizontally adjustable splices

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

60



## Adjustable Elbow

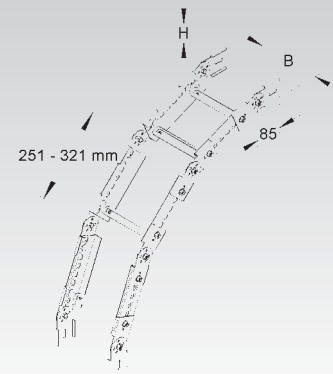
vertical

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> <b>KGS 60.203</b>	60/2,3	200/7,8	8 SKM 8x16 F, 16 FLM 8x13 F	293704	320
<b>S</b> <b>KGS 60.303</b>	60/2,3	300/11,7	8 SKM 8x16 F, 16 FLM 8x13 F	293803	600
<b>S</b> <b>KGS 60.403</b>	60/2,3	400/15,6	8 SKM 8x16 F, 16 FLM 8x13 F	293902	760
<b>S</b> <b>KGS 60.503</b>	60/2,3	500/19,5	8 SKM 8x16 F, 16 FLM 8x13 F	294008	920
<b>S</b> <b>KGS 60.603</b>	60/2,3	600/23,4	8 SKM 8x16 F, 16 FLM 8x13 F	294107	1210
<b>F</b> <b>KGS 60.203 F</b>	60/2,3	200/7,8	8 SKM 8x16 F, 16 FLM 8x13 F	574100	320
<b>F</b> <b>KGS 60.303 F</b>	60/2,3	300/11,7	8 SKM 8x16 F, 16 FLM 8x13 F	574209	600
<b>F</b> <b>KGS 60.403 F</b>	60/2,3	400/15,6	8 SKM 8x16 F, 16 FLM 8x13 F	574308	760
<b>F</b> <b>KGS 60.503 F</b>	60/2,3	500/19,5	8 SKM 8x16 F, 16 FLM 8x13 F	574407	920
<b>F</b> <b>KGS 60.603 F</b>	60/2,3	600/23,4	8 SKM 8x16 F, 16 FLM 8x13 F	574506	1210

delivered as a kit (not assembled)

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



## Adjustable Splice Plate

vertical

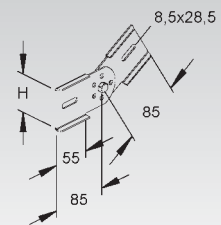
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> <b>KGV 60 S</b>	60/2,3	2 FLM 8x13 F	289929	26
<b>F</b> <b>KGV 60 F</b>	60/2,3	2 FLM 8x13 F	289943	28
<b>E3</b> <b>KGV 60 E3</b>	60/2,3	2 FLM 8x16 E3	341856	26
<b>E5</b> <b>KGV 60 E5</b>	60/2,3	2 SKM 8x16 E5	730353	26

for making horizontal elbows for KL... type cable ladder

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

60



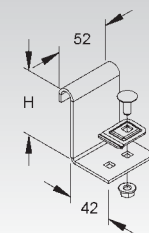
## Cable Ladder Connection Bracket

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> <b>KLAS 60</b>	60/2,3	1 FLM 6x16 F	290109	15

connector bracket for field made horizontal joints of cable ladders with identical height

Install corner plate KLEB... to allow extended cable radius.

60



# CABLE LADDER SYSTEM

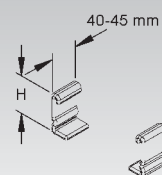
## Pair of Protective End Caps

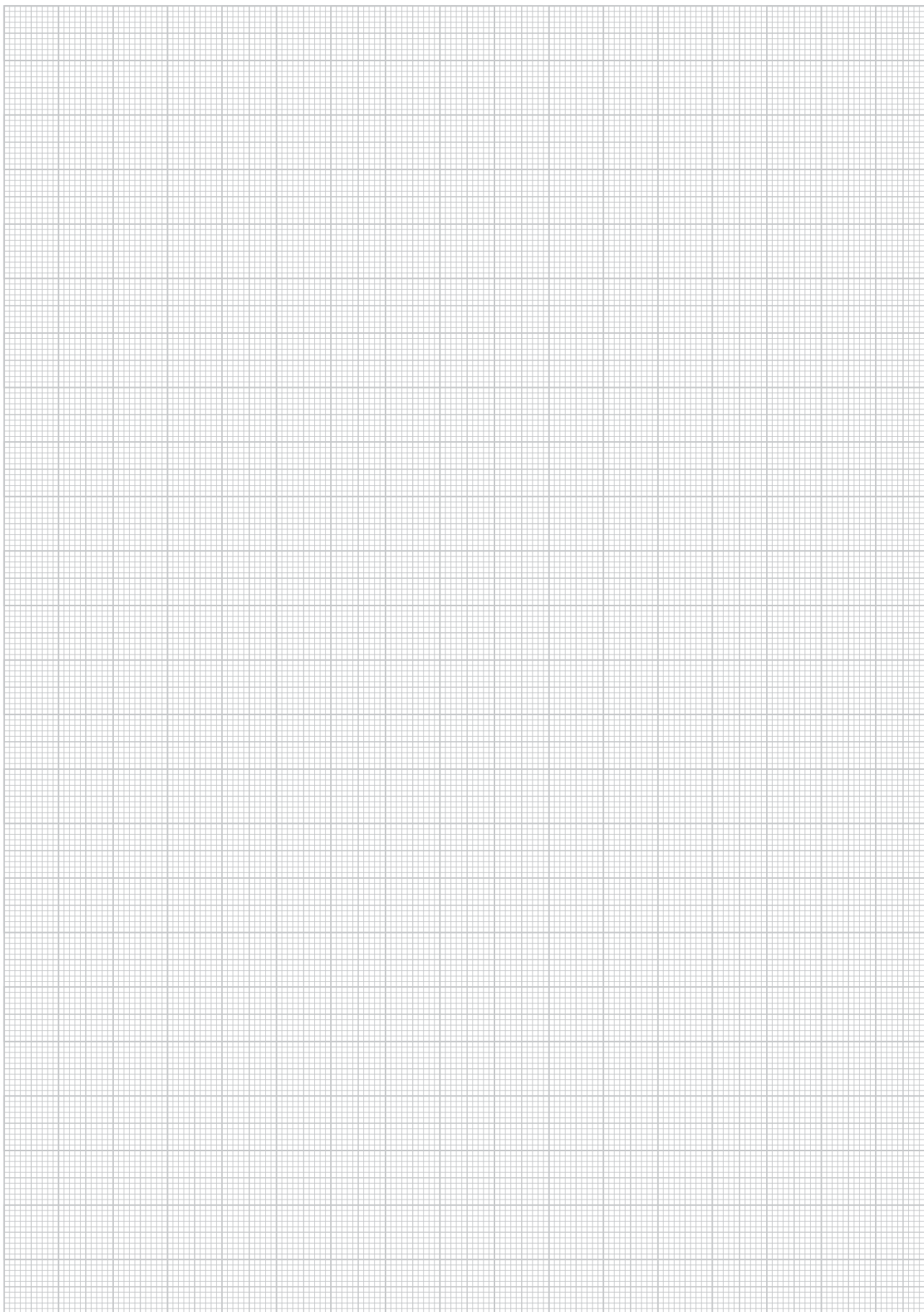
model no.	height (H) mm/Inch	color	EAN code	Weight per 100 pairs kg
<b>K10 SKK 60</b>	60/2,3	yellow	918416	5

to cover the ending of the side rail

**To prevent accidents and injuries you must install a pair of protective end caps. One pair consists of a left-hand and a right-hand version.**

To be used for: Cable Ladder 60...

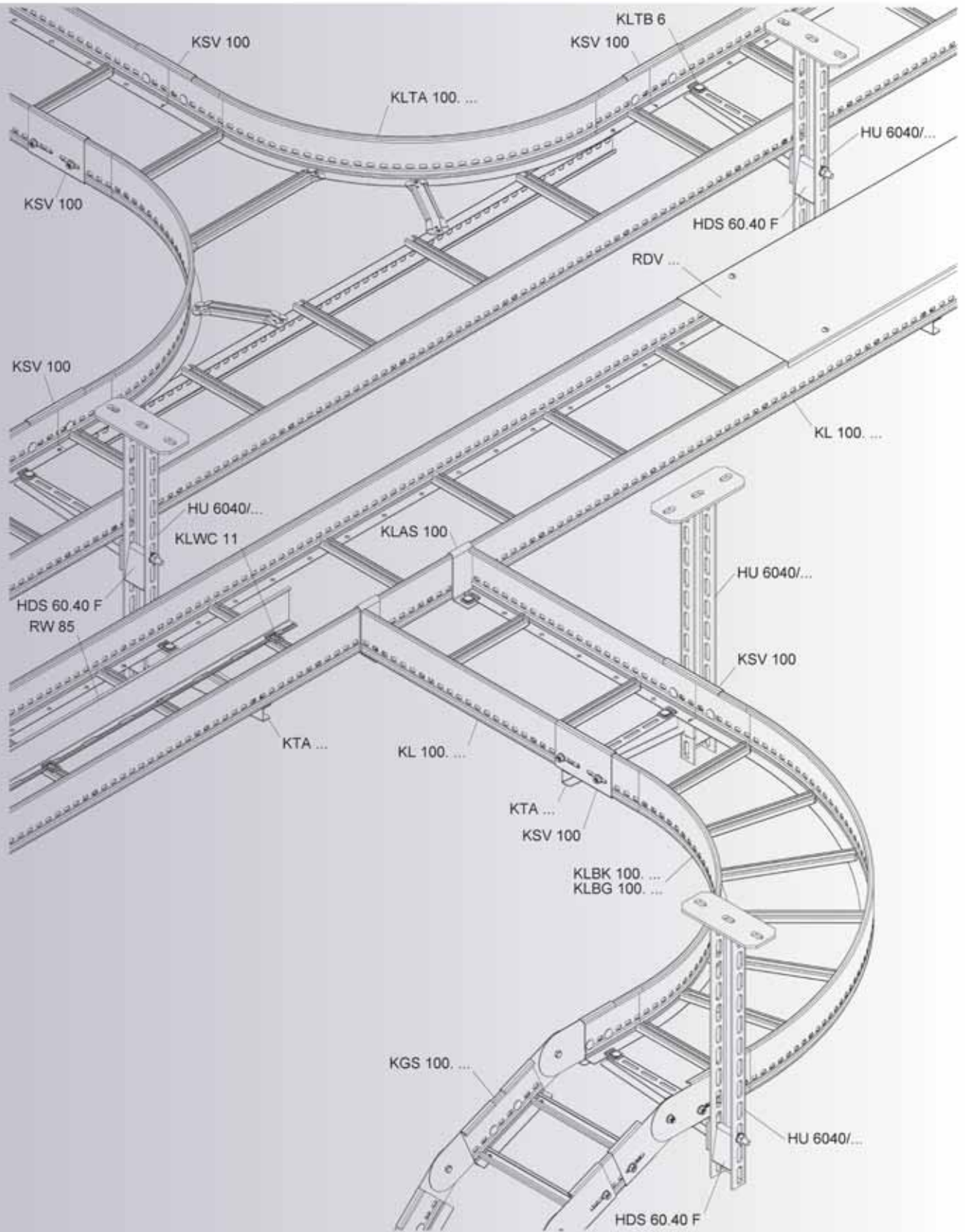






## Available Side Rail Heights

SYSTEM	Cable Ladder	<b>KL</b>	Page 264
ACCESSORIES	Splice Plate	<b>KSV 100</b>	Page 264
	Barrier Strip	<b>RW 85</b>	Page 264
	Splice Plate for Barrier Strip	<b>RTV 85</b>	Page 265
	Mounting Clamp for Barrier Strip	<b>KLWC 11</b>	Page 265
	Extension Horizontal Tee	<b>KLTA</b>	Page 265
	Horizontal Tee	<b>KLT</b>	Page 266
	Horizontal Cross	<b>KLK</b>	Page 266
	Horizontal Elbow 90°, small	<b>KLBK</b>	Page 266
	Large Elbow 90°	<b>KLBG</b>	Page 267
	Vertical Adjustable Splice Plate	<b>KWV 100</b>	Page 267
	Adjustable Elbow	<b>KGS</b>	Page 267
	Adjustable Splice Plate	<b>KGV 100</b>	Page 268
	Cable Ladder Connection Piece	<b>KLAS 100</b>	Page 268
	Pair of Protective Caps	<b>SKK 100</b>	Page 268
	Corner Plate	<b>KLEB</b>	Page 269
	Ladder Drop-out	<b>KLAB</b>	Page 269
	Cable Ladder Mounting Device	<b>KLTB 6</b>	Page 269
	Wall Support, symmetric	<b>WWU 150/8</b>	Page 269
	Wall Support, asymmetric	<b>WWA 100</b>	Page 269
	Cover for Cable Tray/Ladder	<b>RD</b>	Page 270
Cover for Cable Tray/Ladder, with turnbolt locks	<b>RDV</b>	Page 271	



# CABLE LADDER SYSTEM

## Cable Ladder

distance between rungs: 300 mm

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S KL 100.203	100/3,9	200/7,8	1,5	6	903658	341
S KL 100.303	100/3,9	300/11,7	1,5	6	903665	355
S KL 100.403	100/3,9	400/15,6	1,5	6	903672	368
S KL 100.503	100/3,9	500/19,5	1,5	6	903689	411
S KL 100.603	100/3,9	600/23,4	1,5	6	903696	431
F KL 100.203 F	100/3,9	200/7,8	1,5	6	904006	366
F KL 100.303 F	100/3,9	300/11,7	1,5	6	904020	381
F KL 100.403 F	100/3,9	400/15,6	1,5	6	904044	396
F KL 100.503 F	100/3,9	500/19,5	1,5	6	904068	443
F KL 100.603 F	100/3,9	600/23,4	1,5	6	904082	463

perforated side rails with extra punch holes (diameter 8.5 mm) in the bottom, C-rail rungs with 11 mm slot width riveted to the side rails

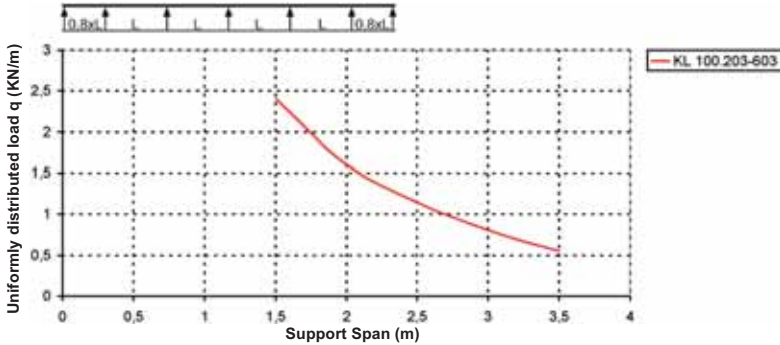
**HDG finish, bottom of side rails non perforated**

25 mm center distance for punch holes 9x15 mm

Cable ladder is available in 3 meter length as well.

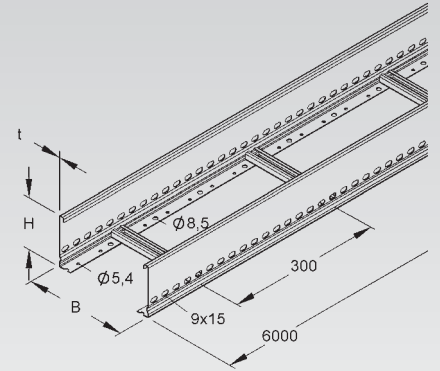
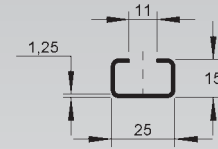
Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

100



## Splice Plate

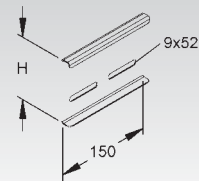
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S KSV 100 S	100/3,9	2 FLM 8x13 F	906758	25,5
F KSV 100 F	100/3,9	2 FLM 8x13 F	906765	25,5

for positive locking connections of cable ladders with a side rail height of 100 mm and corresponding fittings

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

100



## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S RW 85	80/3,1	0,9	4 FLM 6x12	237609	92
F RW 85 F	80/3,1	0,9	4 FLM 6x12 F	237708	92

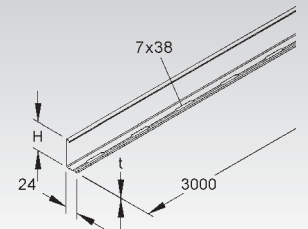
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

85



65

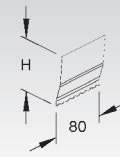


### Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 85 E2	79,5/3,1	80/3,1	237753	2

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.

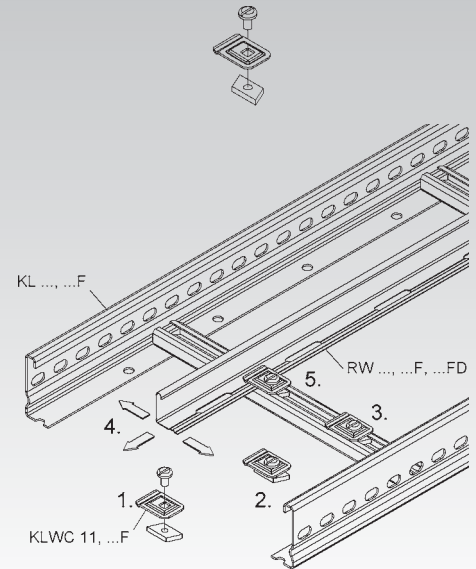


### Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 11	1 FK 6x10, GSM 306	289608	2
<b>F</b> KLWC 11 F	1 FK 6x10 E3, GSM 306 E3	570409	3

for attaching barrier strips into the rungs of the long span ladder (slot width 11 mm)

To be used for: barrier strip RW...  
insertable at any position of the rail

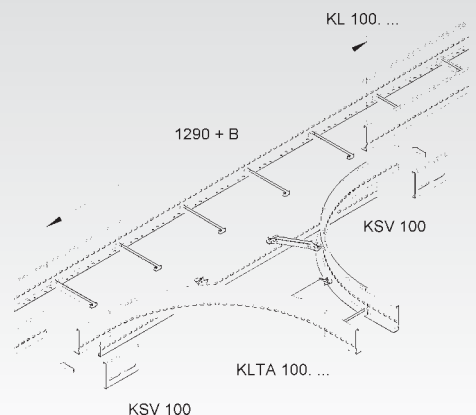
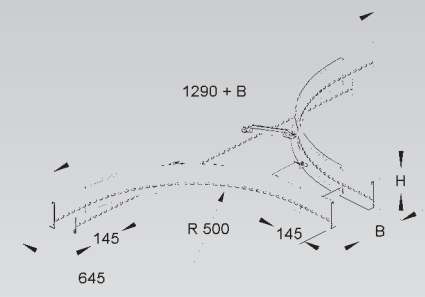


### Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> KLTA 100.203	100/3,9	200/7,8	913701	549
<b>S</b> KLTA 100.303	100/3,9	300/11,7	913725	574
<b>S</b> KLTA 100.403	100/3,9	400/15,6	913749	598
<b>S</b> KLTA 100.503	100/3,9	500/19,5	913763	623
<b>S</b> KLTA 100.603	100/3,9	600/23,4	913787	647
<b>F</b> KLTA 100.203 F	100/3,9	200/7,8	904310	590
<b>F</b> KLTA 100.303 F	100/3,9	300/11,7	904334	617
<b>F</b> KLTA 100.403 F	100/3,9	400/15,6	904358	643
<b>F</b> KLTA 100.503 F	100/3,9	500/19,5	904372	670
<b>F</b> KLTA 100.603 F	100/3,9	600/23,4	904396	696

The splice plates KSV 100 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



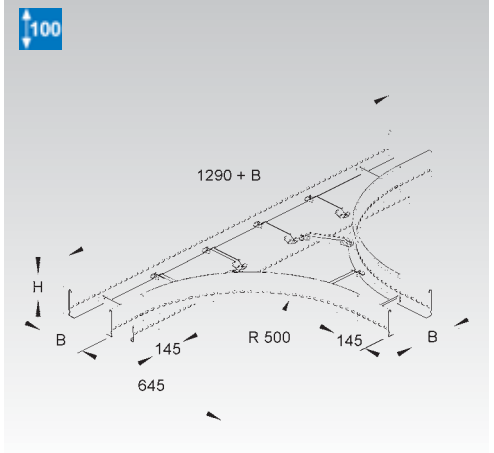
# CABLE LADDER SYSTEM

## Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	KLT 100.203	100/3,9	200/7,8	903801	765
S	KLT 100.303	100/3,9	300/11,7	903818	830
S	KLT 100.403	100/3,9	400/15,6	903825	895
S	KLT 100.503	100/3,9	500/19,5	903832	1010
S	KLT 100.603	100/3,9	600/23,4	903849	1090
F	KLT 100.203 F	100/3,9	200/7,8	904303	765
F	KLT 100.303 F	100/3,9	300/11,7	904327	830
F	KLT 100.403 F	100/3,9	400/15,6	904341	895
F	KLT 100.503 F	100/3,9	500/19,5	904365	1010
F	KLT 100.603 F	100/3,9	600/23,4	904389	1090

The splice plates KSV 100 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

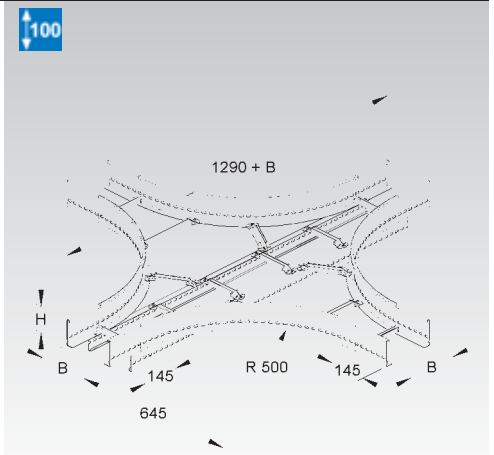


## Horizontal Cross

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	KLK 100.203	100/3,9	200/7,8	903856	880
S	KLK 100.303	100/3,9	300/11,7	903863	960
S	KLK 100.403	100/3,9	400/15,6	903870	1045
S	KLK 100.503	100/3,9	500/19,5	903887	1200
S	KLK 100.603	100/3,9	600/23,4	903894	1325
F	KLK 100.203 F	100/3,9	200/7,8	904402	880
F	KLK 100.303 F	100/3,9	300/11,7	904426	960
F	KLK 100.403 F	100/3,9	400/15,6	904440	1045
F	KLK 100.503 F	100/3,9	500/19,5	904464	1200
F	KLK 100.603 F	100/3,9	600/23,4	904488	1325

The splice plates KSV 100 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



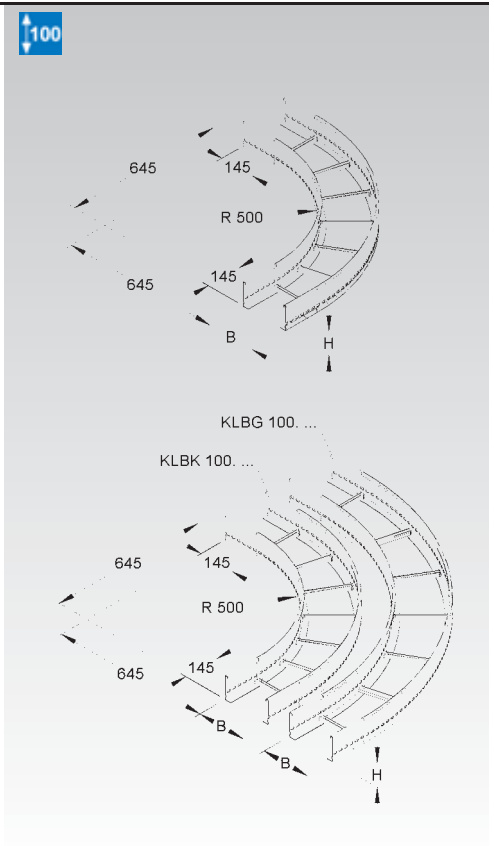
## Horizontal Elbow 90°, small

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	KLBK 100.203	100/3,9	200/7,8	903702	430
S	KLBK 100.303	100/3,9	300/11,7	903719	475
S	KLBK 100.403	100/3,9	400/15,6	903726	520
S	KLBK 100.503	100/3,9	500/19,5	903733	615
S	KLBK 100.603	100/3,9	600/23,4	903740	660
F	KLBK 100.203 F	100/3,9	200/7,8	904105	430
F	KLBK 100.303 F	100/3,9	300/11,7	904129	475
F	KLBK 100.403 F	100/3,9	400/15,6	904143	520
F	KLBK 100.503 F	100/3,9	500/19,5	904167	615
F	KLBK 100.603 F	100/3,9	600/23,4	904181	660

Sections of tray can be run in parallel. Minimum mounting distance in between two straight runs of the same width is 100 mm.

The splice plates KSV 100 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.





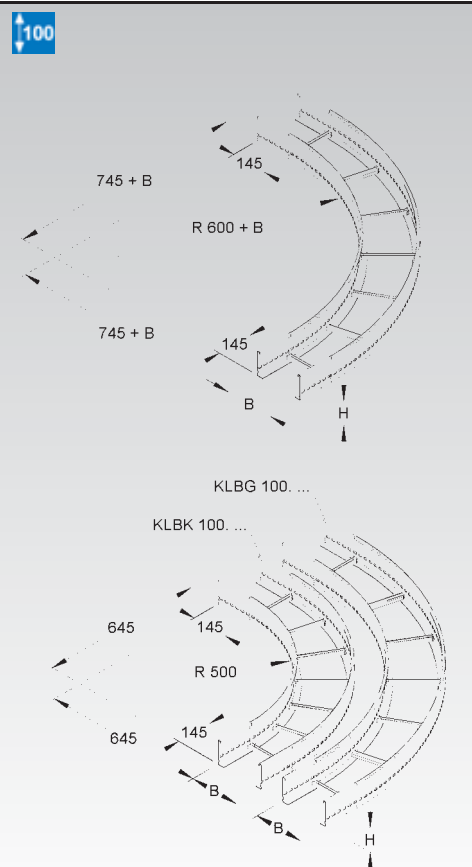
## Horizontal Elbow 90°, large

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S KLBG 100.203	100/3,9	200/7,8	903757	570
S KLBG 100.303	100/3,9	300/11,7	903764	670
S KLBG 100.403	100/3,9	400/15,6	903771	775
S KLBG 100.503	100/3,9	500/19,5	903788	950
S KLBG 100.603	100/3,9	600/23,4	903795	1090
F KLBG 100.203 F	100/3,9	200/7,8	904204	570
F KLBG 100.303 F	100/3,9	300/11,7	904228	670
F KLBG 100.403 F	100/3,9	400/15,6	904242	775
F KLBG 100.503 F	100/3,9	500/19,5	904266	950
F KLBG 100.603 F	100/3,9	600/23,4	904280	1090

Sections of tray can be run in parallel. Minimum mounting distance in between two straight runs of the same width is 100 mm.

The splice plates KSV 100 have to be ordered separately.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



## Adjustable Splice Plate

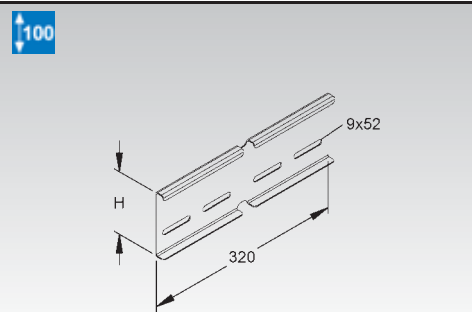
horizontal

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S KVV 100 S	100/3,9	4 FLM 8x13 F	906796	55
F KVV 100 F	100/3,9	4 FLM 8x13 F	906802	55

to make horizontally adjustable splices

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



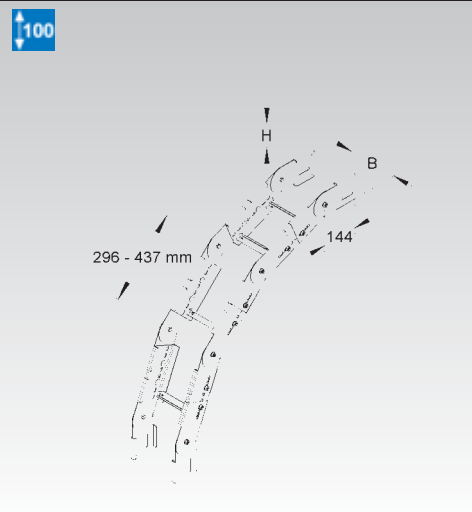
## Adjustable Elbow

vertical

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S KGS 100.203	100/3,9	200/7,8	8 SKM 8x16 F, 16 FLM 8x13 F	903900	370
S KGS 100.303	100/3,9	300/11,7	8 SKM 8x16 F, 16 FLM 8x13 F	903917	430
S KGS 100.403	100/3,9	400/15,6	8 SKM 8x16 F, 16 FLM 8x13 F	903924	490
S KGS 100.503	100/3,9	500/19,5	8 SKM 8x16 F, 16 FLM 8x13 F	903931	575
S KGS 100.603	100/3,9	600/23,4	8 SKM 8x16 F, 16 FLM 8x13 F	903948	620
F KGS 100.203 F	100/3,9	200/7,8	8 SKM 8x16 F, 16 FLM 8x13 F	904501	370
F KGS 100.303 F	100/3,9	300/11,7	8 SKM 8x16 F, 16 FLM 8x13 F	904525	430
F KGS 100.403 F	100/3,9	400/15,6	8 SKM 8x16 F, 16 FLM 8x13 F	904549	490
F KGS 100.503 F	100/3,9	500/19,5	8 SKM 8x16 F, 16 FLM 8x13 F	904563	575
F KGS 100.603 F	100/3,9	600/23,4	8 SKM 8x16 F, 16 FLM 8x13 F	904587	620

delivered as a kit (not assembled)

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



# CABLE LADDER SYSTEM

## Adjustable Splice Plate

vertical

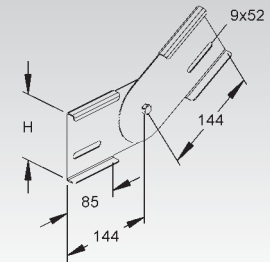
model no.	height (H) mm/inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> KGV 100 S	100/3,9	2 FLM 8x13 F	906772	54
<b>F</b> KGV 100 F	100/3,9	2 FLM 8x13 F	906789	54

for making horizontal elbows for KL... type cable ladder

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

100



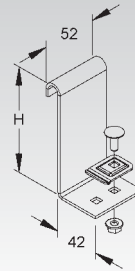
## Cable Ladder Connection Bracket

model no.	height (H) mm/inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KLAS 100	100/3,9	1 FLM 6x16 F	295005	20,5

connector bracket for field made horizontal joints of cable ladders with identical height

Install corner plate KLEB... to allow extended cable radius.

100



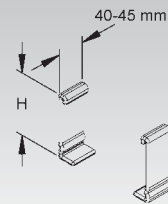
## Pair of Protective End Caps

model no.	height (H) mm/inch	color	EAN code	Weight per 100 pairs kg
<b>K10</b> SKK 100	100/3,9	yellow	918423	5

to cover the ending of the side rail

**To prevent accidents and injuries you must install a pair of protective end caps. One pair consists of a left-hand and a right-hand version.**

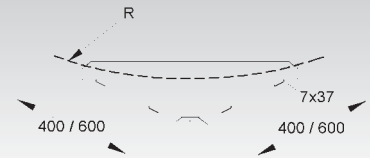
To be used for: Cable Ladder 100...



## Corner Plate

model no.	Radius (R) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> KLEB 300	300	287208	122,5
<b>S</b> KLEB 600	600	287307	260

Corner plate to allow extended cable radius at blunt horizontal joints.

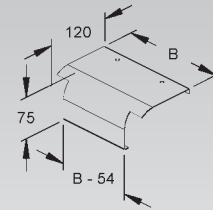


## Ladder Drop Out

model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> KLAB 200	190/7,4	2 ZM 6x10 DIN 84, 2 GSM 306	287406	60
<b>S</b> KLAB 300	290/11,3	2 ZM 6x10 DIN 84, 2 GSM 306	287505	90
<b>S</b> KLAB 400	390/15,2	2 ZM 6x10 DIN 84, 2 GSM 306	287604	120
<b>S</b> KLAB 500	490/19,1	2 ZM 6x10 DIN 84, 2 GSM 306	287703	150
<b>S</b> KLAB 600	590/23	2 ZM 6x10 DIN 84, 2 GSM 306	287802	180
<b>F</b> KLAB 200 F	190/7,4	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900176	60
<b>F</b> KLAB 300 F	290/11,3	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900183	90
<b>F</b> KLAB 400 F	390/15,2	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900190	120
<b>F</b> KLAB 500 F	490/19,1	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900206	150
<b>F</b> KLAB 600 F	590/23	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900213	180
<b>E3</b> KLAB 200 E3	190/7,4	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900121	60
<b>E3</b> KLAB 300 E3	290/11,3	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900138	90
<b>E3</b> KLAB 400 E3	390/15,2	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900145	120
<b>E3</b> KLAB 500 E3	490/19,1	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900152	150
<b>E3</b> KLAB 600 E3	590/23	2 ZM 6x10 E3 DIN 84, 2 GSM 306 E3	900169	180

for rung mounting, with rounded edges to protect cables

To be used for: Cable ladders with rungs made of C-rail, slot width 11 mm



## Cable Ladder Mounting Bracket

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> KLTB 6	1 FLM 6x16 F	282708	2
<b>F</b> KLTB 6 F	1 FLM 6x16 F	282722	2
<b>E3</b> KLTB 6 E3	1 FLM 6x12 E3	342006	2
<b>E5</b> KLTB 6 E5	1 FLM 6x12 E5	730407	2

clamping device to fix cable ladders on brackets

2 pieces required per bracket

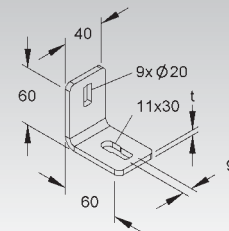


## Wall Support

symmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWU 150/8	5	1 FLM 8x16 F	194506	21
<b>E3</b> WWU 150/8 E3	4	1 FLM 8x16 E3	344307	21
<b>E5</b> WWU 150/8 E5	4	1 SKM 8x16 E5	728909	21

for floor-, ceiling- or wall-mount



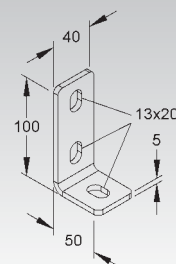
## Wall Support

asymmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWA 100	5	1 FLM 10x25 F	194759	30

for floor-, ceiling- or wall-mount

To be used for: U-profile U 50/..., U 5050/..., U 6040/..., U 100/...



# CABLE LADDER SYSTEM ACCESSORIES

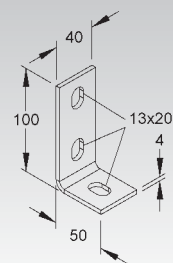
## Wall Support

asymmetric

model no.	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>E3</b> WWA 100 E3	4	1 FLM 10x25 E3	344345	19,4

for floor-, ceiling- or wall-mount

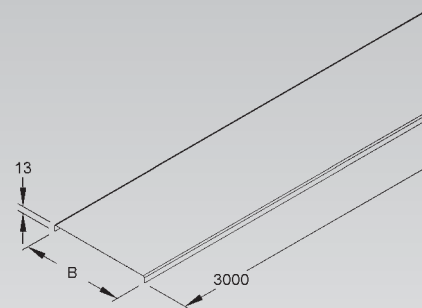
To be used for: Stainless Steel U-Profile U 50/..., U 6040/..., U 100/...



## Cover for Cable Tray/Ladder

model no.	width B mm/Inch	EAN code	Weight per 100 m kg
<b>S</b> RD 70	70/2,7	260157	73
<b>S</b> RD 100	100/3,9	260300	95
<b>S</b> RD 120	120/4,7	260355	114
<b>S</b> RD 150	150/5,8	260409	126
<b>S</b> RD 200	200/7,8	260508	175
<b>S</b> RD 250	250/9,8	260607	213
<b>S</b> RD 300	300/11,7	260706	256
<b>S</b> RD 400	400/15,6	260805	336
<b>S</b> RD 500	500/19,5	260904	416
<b>S</b> RD 550	550/21,4	261000	458
<b>S</b> RD 600	600/23,4	261109	496
<b>F</b> RD 100 F	100/3,9	262502	78,5
<b>F</b> RD 150 F	150/5,8	262601	127
<b>F</b> RD 200 F	200/7,8	262700	175
<b>F</b> RD 250 F	250/9,8	262809	214
<b>F</b> RD 300 F	300/11,7	262908	257
<b>F</b> RD 400 F	400/15,6	263004	337
<b>F</b> RD 500 F	500/19,5	263103	417
<b>F</b> RD 550 F	550/21,4	263202	459
<b>F</b> RD 600 F	600/23,4	263301	497
<b>E3</b> RD 100 E3	100/3,9	336203	95
<b>E3</b> RD 200 E3	200/7,8	336302	175
<b>E3</b> RD 300 E3	300/11,7	336401	256
<b>E3</b> RD 400 E3	400/15,6	336500	336
<b>E3</b> RD 500 E3	500/19,5	336609	416
<b>E3</b> RD 550 E3	550/21,4	336708	416
<b>E3</b> RD 600 E3	600/23,4	336807	496

To be used for: cable ladder horizontal bends of 35 mm, 60 mm, 85 mm and 110 mm, type RLV ..., RLR..., RL..., RS..., RLC..., RSV... as well as for cable ladders with a side rail height of 60 mm and 100 mm, type KL...



## Cover for Cable Tray/Ladder

with turnbolt locks

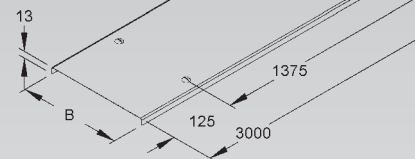
model no.	width B mm/Inch	EAN code	Weight per 100 m kg
S RDV 70	70/2,7	261253	55
S RDV 100	100/3,9	261406	97
S RDV 120	120/4,7	261451	116
S RDV 150	150/5,8	261505	129
S RDV 200	200/7,8	261604	177
S RDV 250	250/9,8	261703	216
S RDV 300	300/11,7	261802	260
S RDV 400	400/15,6	261901	340
S RDV 500	500/19,5	262007	420
S RDV 550	550/21,4	262106	460
S RDV 600	600/23,4	262205	500
F RDV 100 F	100/3,9	263608	97
F RDV 150 F	150/5,8	263707	129
F RDV 200 F	200/7,8	263806	177
F RDV 250 F	250/9,8	263905	216
F RDV 300 F	300/11,7	264001	260
F RDV 400 F	400/15,6	264100	340
F RDV 500 F	500/19,5	264209	420
F RDV 550 F	550/21,4	264308	460
F RDV 600 F	600/23,4	264407	500
• FD RDV 100 FD	100/3,9	890682	96
• FD RDV 200 FD	200/7,8	890705	177
• FD RDV 300 FD	300/11,7	890729	259
• FD RDV 400 FD	400/15,6	892402	339
• FD RDV 500 FD	500/19,5	892426	420
• FD RDV 600 FD	600/23,4	892440	500
E3 RDV 100 E3	100/3,9	336906	97
E3 RDV 200 E3	200/7,8	337002	177
E3 RDV 300 E3	300/11,7	337101	257
E3 RDV 400 E3	400/15,6	337200	340
E3 RDV 500 E3	500/19,5	337309	420
E3 RDV 550 E3	550/21,4	337408	460
E3 RDV 600 E3	600/23,4	337507	500

Turn-bolt locks for finish E3 and E5 are always made of stainless steel type E5.

To be used for: cable ladder horizontal bends of 35 mm, 60 mm, 85 mm and 110 mm, type RLV ..., RLR..., RL..., RS..., RLC..., RSV... as well as for cable ladders with a side rail height of 60 mm and 100 mm, type KL...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements





## Allround Cable Ladder

-  Cable Ladder
-  Fittings
-  Covers
-  Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.  
Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



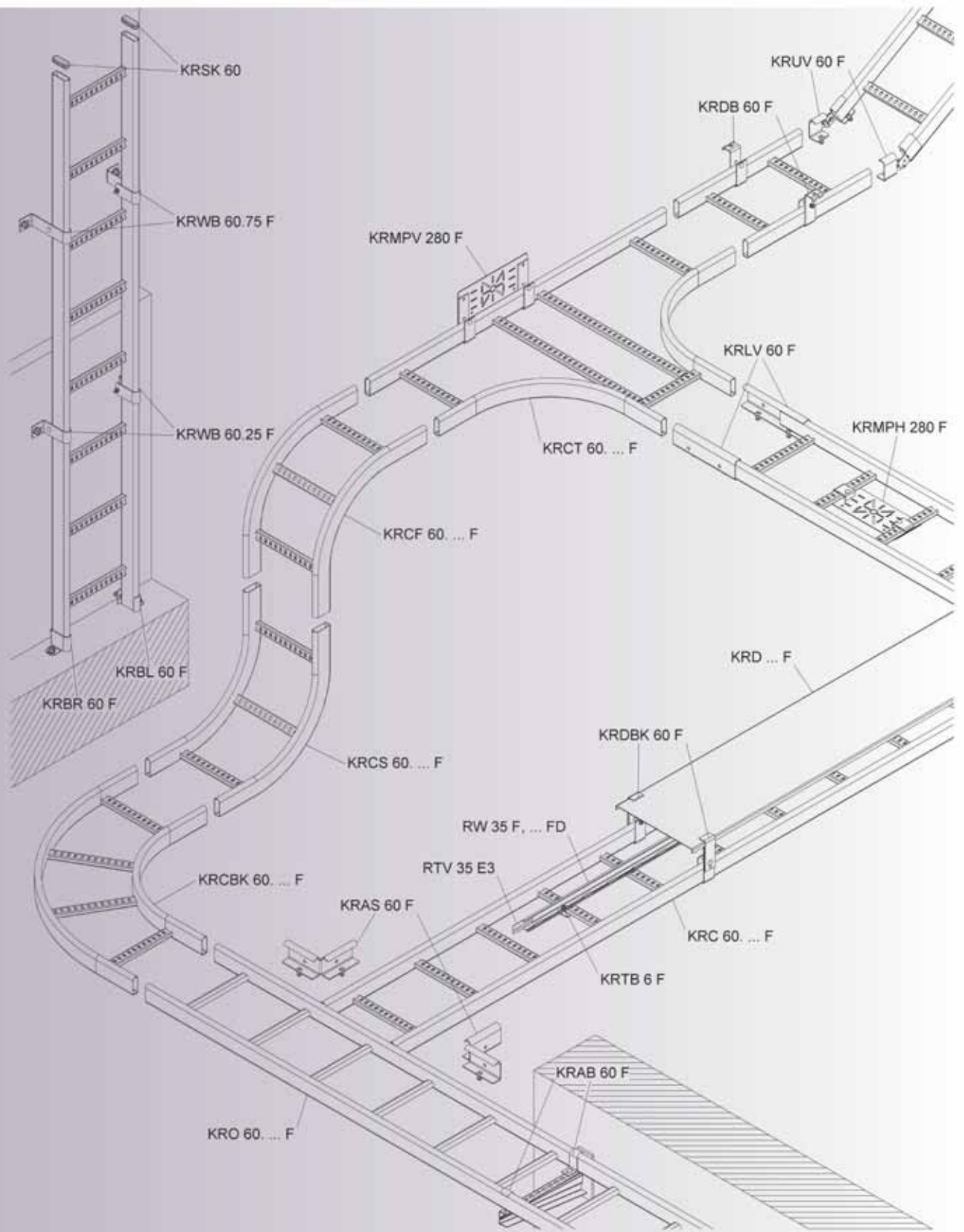
Allround cable ladders are filling the gap in between the classical and the long span cable ladders in terms of load capacities. Due to their oval pipe type siderails and welded rungs they offer highest stability at long support spans with a minimum of material needed.

Allround cable ladders are used for horizontal and vertical installations in harsh industrial environment as well as in commercial buildings of all kinds.



## Available Side Rail Heights

SYSTEM	Cable Ladder	<b>KRC</b>	Page 276
ACCESSORIES	Horizontal Elbow 90°, small	<b>KRCBK</b>	Page 276
	Horizontal Tee	<b>KRCT</b>	Page 276
	Vertical Outside Elbow 90°	<b>KRCS</b>	Page 277
	Vertical Outside Elbow 90°	<b>KRCF</b>	Page 277
	Cable Ladder	<b>KRO</b>	Page 277
	Horizontal Elbow 90°, small	<b>KROBK</b>	Page 278
	Horizontal Tee	<b>KROT</b>	Page 278
	Vertical Outside Elbow 90°	<b>KROS</b>	Page 278
	Vertical Outside Elbow 90°	<b>KROF</b>	Page 278
	Protective End Cap	<b>KRSK 60</b>	Page 279
	Splice Plate	<b>KRLV 60</b>	Page 279
	Horizontal Tee	<b>KRAS 60</b>	Page 279
	Adjustable Splice Plate	<b>KRUV 60</b>	Page 279
	Barrier Strip	<b>RW 35</b>	Page 279
	Splice Plate for Barrier Strip	<b>RTV 35</b>	Page 279
	Barrier Strip Mounting Device	<b>KRTB 6</b>	Page 280
	Mounting Plate, for Horizontal Mounting	<b>KRMPH 280</b>	Page 280
	Mounting Plate, for Vertical Mounting	<b>KRMPV 280</b>	Page 280
	Cover for Cable Ladders	<b>KRD</b>	Page 280
	Hold-Down Clamp for Covers	<b>KRDBK 60</b>	Page 280
	Beam Clamp for Fixing on Brackets	<b>KRAB 60</b>	Page 281
	For Fixing on the Wall	<b>KRWB</b>	Page 281
	Floor Mounting Device, left	<b>KRBL 60</b>	Page 281
	Floor Mounting Device, right	<b>KRBR 60</b>	Page 281
	Hanger for Ceiling Suspension	<b>KRDB 60</b>	Page 281



# ALLROUND CABLE LADDER

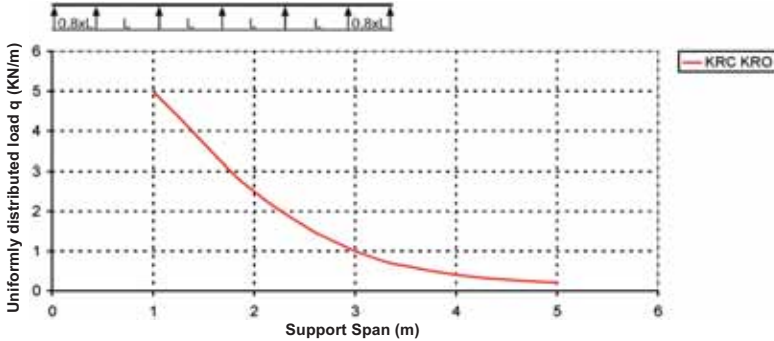
## Cable Ladder

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 m kg
F KRC 60.125 F	60/2,3	100/3,9	6000/234	846900	44
F KRC 60.225 F	60/2,3	200/7,8	6000/234	846917	49
F KRC 60.325 F	60/2,3	300/11,7	6000/234	846924	53
F KRC 60.425 F	60/2,3	400/15,6	6000/234	846931	58
F KRC 60.525 F	60/2,3	500/19,5	6000/234	846948	62
F KRC 60.625 F	60/2,3	600/23,4	6000/234	846955	66

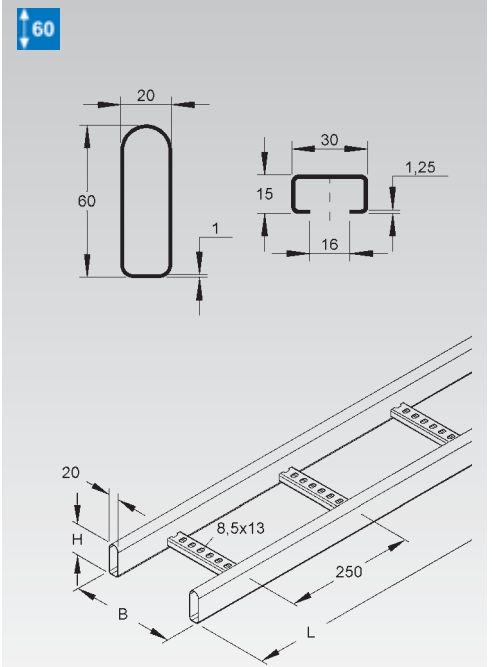
slotted rail rungs welded to oval tubular side rails

Cable ladders are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



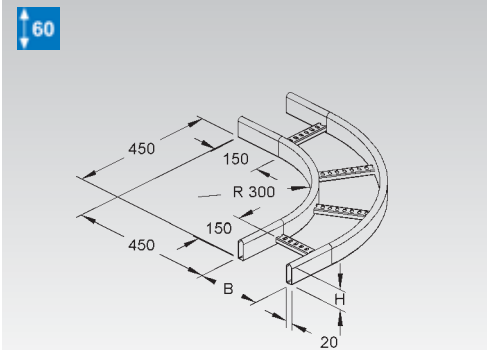
## Horizontal Elbow 90°, small

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KRCBK 60.125 F	60/2,3	100/3,9	848805	230
F KRCBK 60.225 F	60/2,3	200/7,8	848829	280
F KRCBK 60.325 F	60/2,3	300/11,7	848843	320
F KRCBK 60.425 F	60/2,3	400/15,6	848867	400
F KRCBK 60.525 F	60/2,3	500/19,5	848881	450
F KRCBK 60.625 F	60/2,3	600/23,4	848904	560

slotted rail rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.



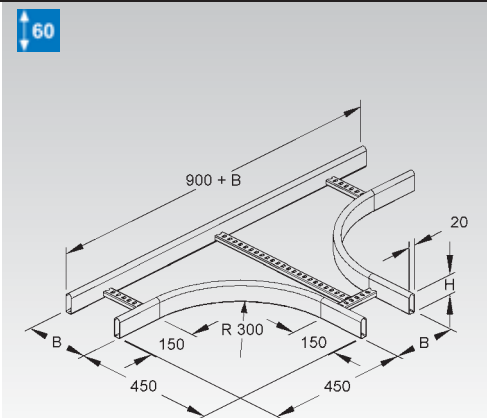
## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KRCT 60.125 F	60/2,3	100/3,9	850006	340
F KRCT 60.225 F	60/2,3	200/7,8	850020	410
F KRCT 60.325 F	60/2,3	300/11,7	850044	480
F KRCT 60.425 F	60/2,3	400/15,6	850068	560
F KRCT 60.525 F	60/2,3	500/19,5	850082	630
F KRCT 60.625 F	60/2,3	600/23,4	850105	700

slotted rail rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.





## Vertical Inside Elbow 90°

vertical

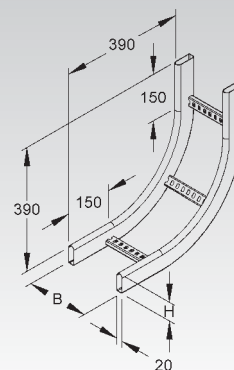
	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F	KRCS 60.125 F	60/2,3	100/3,9	849208	190
F	KRCS 60.225 F	60/2,3	200/7,8	849222	210
F	KRCS 60.325 F	60/2,3	300/11,7	849246	230
F	KRCS 60.425 F	60/2,3	400/15,6	849260	250
F	KRCS 60.525 F	60/2,3	500/19,5	849284	280
F	KRCS 60.625 F	60/2,3	600/23,4	849307	300

slotted rail rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

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## Vertical Outside Elbow 90°

vertical

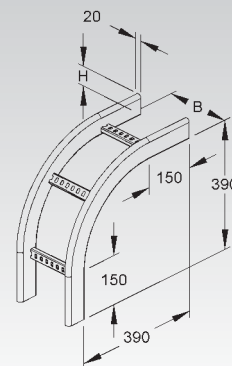
	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F	KRCF 60.125 F	60/2,3	100/3,9	849604	190
F	KRCF 60.225 F	60/2,3	200/7,8	849628	210
F	KRCF 60.325 F	60/2,3	300/11,7	849642	230
F	KRCF 60.425 F	60/2,3	400/15,6	849666	250
F	KRCF 60.525 F	60/2,3	500/19,5	849680	280
F	KRCF 60.625 F	60/2,3	600/23,4	849703	300

solid oval tubular rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



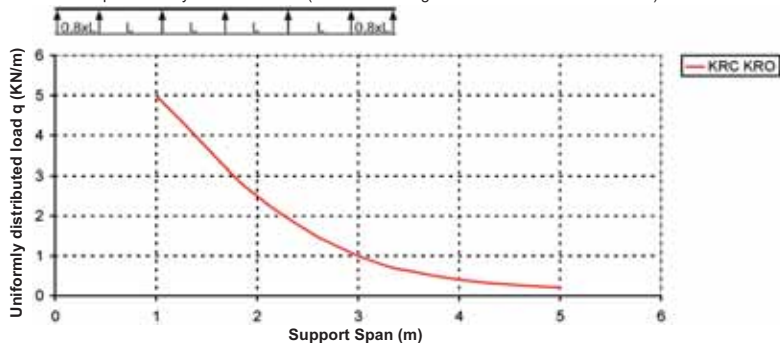
## Cable Ladder

	model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 m kg
F	KRO 60.125 F	60/2,3	100/3,9	6000/234	846962	45
F	KRO 60.225 F	60/2,3	200/7,8	6000/234	846979	50
F	KRO 60.325 F	60/2,3	300/11,7	6000/234	846986	56
F	KRO 60.425 F	60/2,3	400/15,6	6000/234	846993	61
F	KRO 60.525 F	60/2,3	500/19,5	6000/234	847006	67
F	KRO 60.625 F	60/2,3	600/23,4	6000/234	847013	72

slotted rail rungs welded to tubular oval side rails

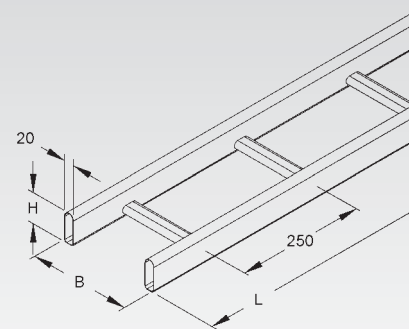
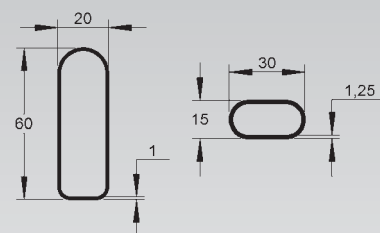
Cable ladders are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

60



# ALLROUND CABLE LADDER

## Horizontal Elbow 90°, small

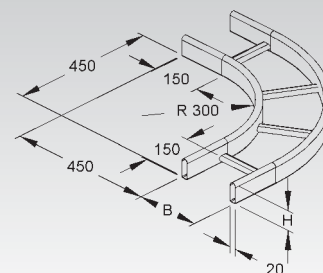
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KROBK 60.125 F	60/2,3	100/3,9	849000	230
F KROBK 60.225 F	60/2,3	200/7,8	849024	280
F KROBK 60.325 F	60/2,3	300/11,7	849048	320
F KROBK 60.425 F	60/2,3	400/15,6	849062	400
F KROBK 60.525 F	60/2,3	500/19,5	849086	450
F KROBK 60.625 F	60/2,3	600/23,4	849109	560

slotted rail rungs welded to tubular oval side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



## Horizontal Tee

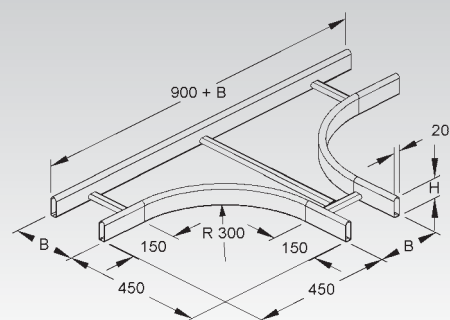
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KROT 60.125 F	60/2,3	100/3,9	850204	340
F KROT 60.225 F	60/2,3	200/7,8	850228	410
F KROT 60.325 F	60/2,3	300/11,7	850242	480
F KROT 60.425 F	60/2,3	400/15,6	850266	560
F KROT 60.525 F	60/2,3	500/19,5	850280	630
F KROT 60.625 F	60/2,3	600/23,4	850303	700

slotted rail rungs welded to tubular oval side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



## Vertical Inside Elbow 90°

vertical

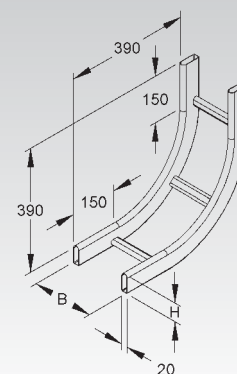
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KROS 60.125 F	60/2,3	100/3,9	849406	190
F KROS 60.225 F	60/2,3	200/7,8	849420	210
F KROS 60.325 F	60/2,3	300/11,7	849444	230
F KROS 60.425 F	60/2,3	400/15,6	849468	250
F KROS 60.525 F	60/2,3	500/19,5	849482	280
F KROS 60.625 F	60/2,3	600/23,4	849505	300

solid oval tubular rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



## Vertical Outside Elbow 90°

vertical

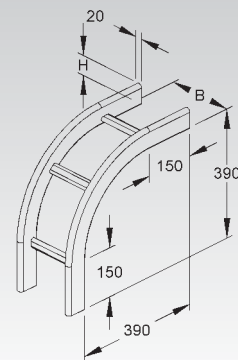
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
F KROF 60.125 F	60/2,3	100/3,9	849802	190
F KROF 60.225 F	60/2,3	200/7,8	849826	210
F KROF 60.325 F	60/2,3	300/11,7	849840	230
F KROF 60.425 F	60/2,3	400/15,6	849864	250
F KROF 60.525 F	60/2,3	500/19,5	849888	280
F KROF 60.625 F	60/2,3	600/23,4	849901	300

solid oval tubular rungs welded to oval tubular side rails

Fittings are available in powder coated finish as well. Colors according to RAL specification. Price and delivery time available on request.

Corresponding yoke clamps (BA... and BAK...) are listed in a separate section of this catalog.

60



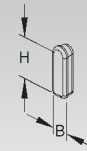
### Protective End Cap

model no.	height (H) mm/Inch	width B mm/Inch	color	EAN code	Weight per 100 pc. kg
<b>K03</b> KRSK 60	60/2,3	20/0,8	yellow	850853	1

to cover the ending of the side rail

**To prevent accidents and injuries you must install protective end caps.  
2 pieces required per end cap**

To be used for: all-round cable ladders, type KRC .... and KRO ... as well as the corresponding fittings/accessories



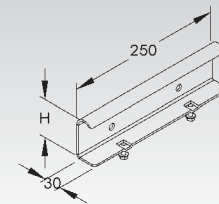
### Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRLV 60 F	61/2,4	850402	69

for positive locking connections of the allround cable ladders KRO and KRC with proper electrical conductivity

**2 pieces required per joint**

60



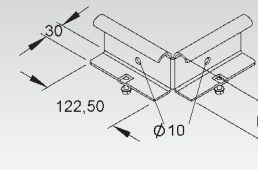
### Extension Tee Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRAS 60 F	61/2,4	850600	69

connector bracket for field made horizontal joints of KRC/KRO type cable ladders

**2 pieces required per joint**

60



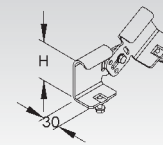
### Adjustable Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRUV 60 F	61/2,4	850457	34

for making horizontal and vertical joints for allround cable ladders

**2 pieces required per joint**

60



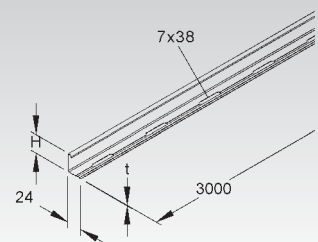
### Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>F</b> RW 35 F	30/1,2	0,75	4 FLM 6x12 F	213603	35
<b>FD</b> RW 35 FD	30/1,2	0,75	4 FLM 6x12 F	213627	35

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

35



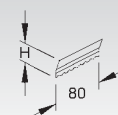
### Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 35 E2	29/1,1	80/3,1	213658	1

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.

35

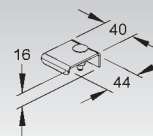


# ALLROUND CABLE LADDER

## Barrier Strip Mounting Bracket

model no.	EAN code	Weight per 100 pc. kg
<b>F</b> KRTB 6 F	851102	3

for attaching barrier strips and/or mounting plates onto the rungs of allround cable ladders

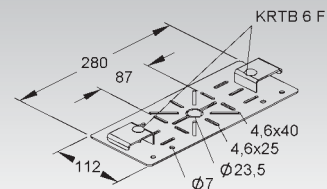


## Mounting Plate

model no.	EAN code	Weight per 100 pc. kg
<b>F</b> KRMPH 280 F	850907	82

for horizontal mounting of distribution or junction boxes in between the rungs

Two KRTB 6 F clamps needed for installing the mounting plate to the rungs of the allround ladder.  
rung spacing 250 mm for allround cable ladder type KRC... and KRO...

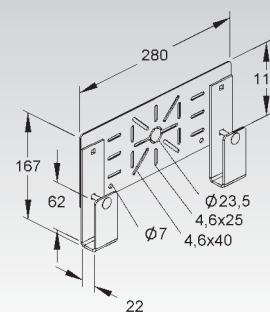


## Mounting Plate

model no.	EAN code	Weight per 100 pc. kg
<b>F</b> KRMPV 280 F	850952	82

for vertical mounting of distribution or junction boxes on side rails of KRC/KRO type ladder or fittings

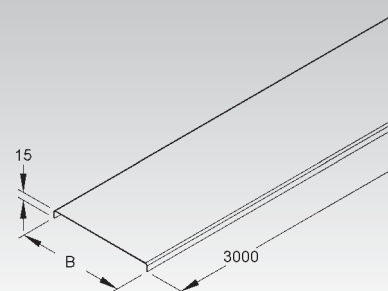
60



## Cover for Cable Ladders

model no.	width B	EAN code	Weight per 100 m kg
	mm/Inch		
<b>F</b> KRD 100 F	109/4,3	851201	156
<b>F</b> KRD 200 F	209/8,2	851225	275
<b>F</b> KRD 300 F	309/12,1	851249	393
<b>F</b> KRD 400 F	409/16	851263	510
<b>F</b> KRD 500 F	509/19,9	851287	628
<b>F</b> KRD 600 F	609/23,8	851300	746

To be used for: all-round cable ladders, type KRC .... and KRO ...



## Cover Clamp

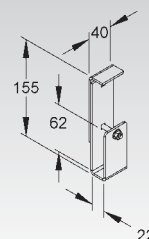
model no.	EAN code	Weight per 100 pc. kg
<b>F</b> KRDBK 60 F	851188	43

for raised mounting of KRD... type cover on top of the allround cable ladder

**2 pieces required for fixing**

To be mounted to the side rail of the all-round cable ladders.

60



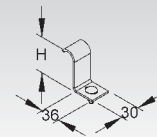
### Mounting Clamp for KRC/KRO Ladder

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRAB 60 F	57/2,2	850655	10

to clamp the allround cable ladders of type KRC... and KRO...

**2 pieces required per bracket**

60



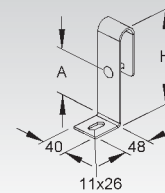
### Wall Support

model no.	distance between drilling holes (A) mm/Inch	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRWB 60.25 F	25	94/3,7	850501	36
<b>F</b> KRWB 60.75 F	75	144/5,6	850556	41

for mounting the allround cable ladders to the wall

**2 pieces required for fixing**

60



### Floor Mounting Device

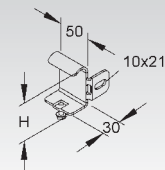
left

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRBL 60 F	61/2,4	850754	18

for proper installation a lefthand and a righthand fixing clamp (KRBL 60 F and KRBR 60 F) are required

for proper installation a lefthand and a righthand fixing clamp (KRBL 60 F and KRBR 60 F) are required

60



### Floor Mounting Device

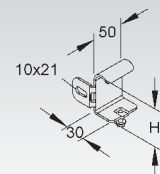
right

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRBR 60 F	61/2,4	850808	18

for proper installation a lefthand and a righthand fixing clamp (KRBL 60 F and KRBR 60 F) are required

for proper installation a lefthand and a righthand fixing clamp (KRBL 60 F and KRBR 60 F) are required

60



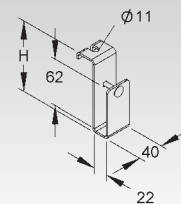
### Frame for Ceiling Suspension

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> KRDB 60 F	114/4,4	850709	25

for direct installation of allround cable ladders and fittings on horizontal ceilings

**2 pieces required for fixing**

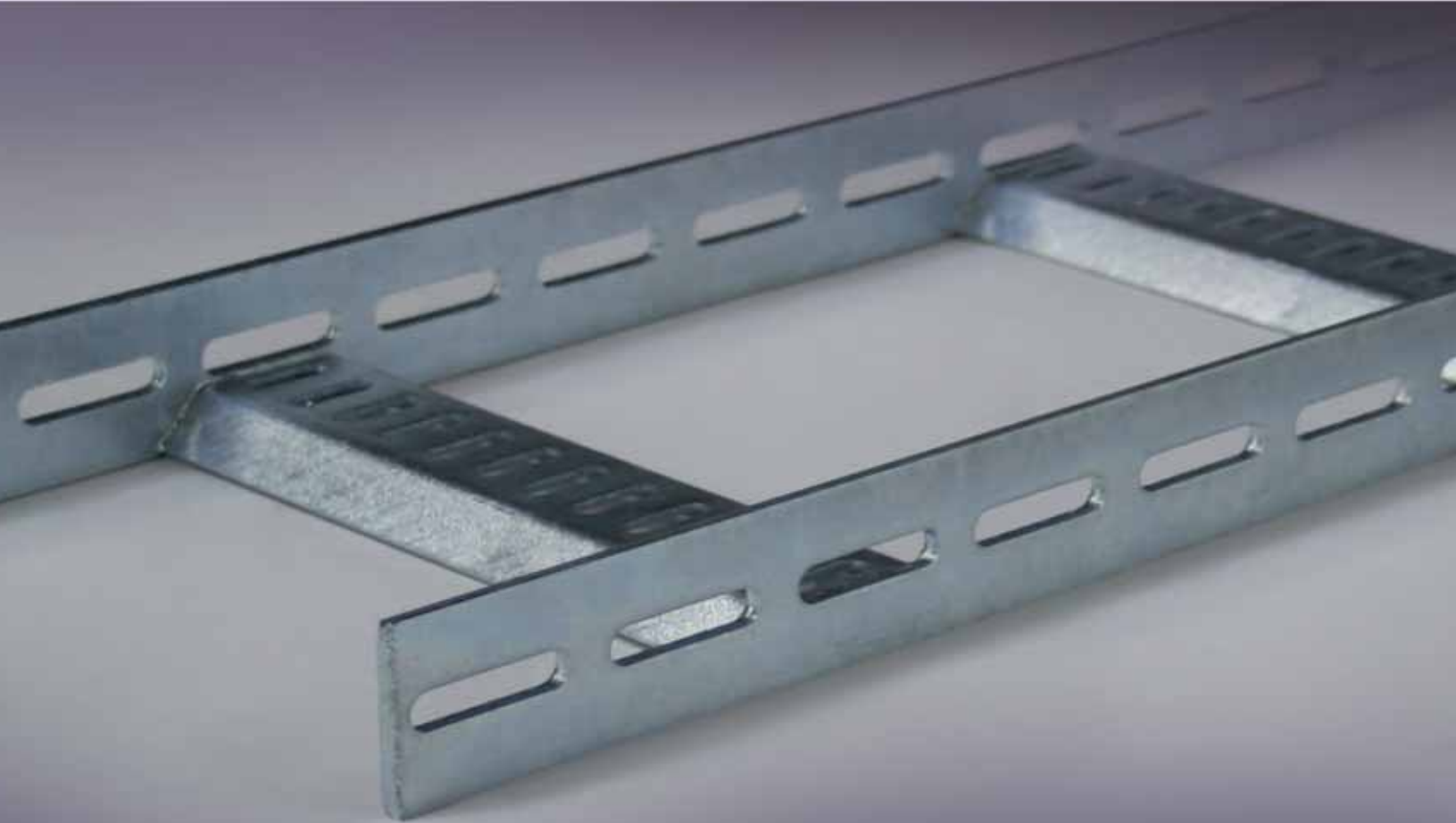
60





### Marine Cable Ladder System

-  Cable Ladder
-  Rungs
-  Splice Plates



The Niedax Marine Cable Ladder was originally designed for shipbuilding only. Today the marine ladder is used in many different areas, for example in power plants, refineries, heavy industry and in tunnels.

Heavy duty perforated siderails allow welding and/or bolting to support structures. Cables can be banded very easy to the slotted rungs using plastic or stainless steel cable ties.



# MARINE CABLE LADDER SYSTEM

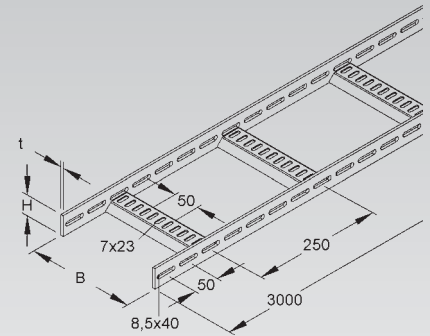
## Load / Span Class Designation in accordance with NEMA VE 1 and CSA E22.2 No. 126.1

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
KLMULX 40.100 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.150 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.200 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.250 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.300 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.400 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.500 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.600 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.700 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.800 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.900 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMULX 40.1000 ...F	400 / 0.62	258 / 0.40	190 / 127.7	2 / 6.6	C

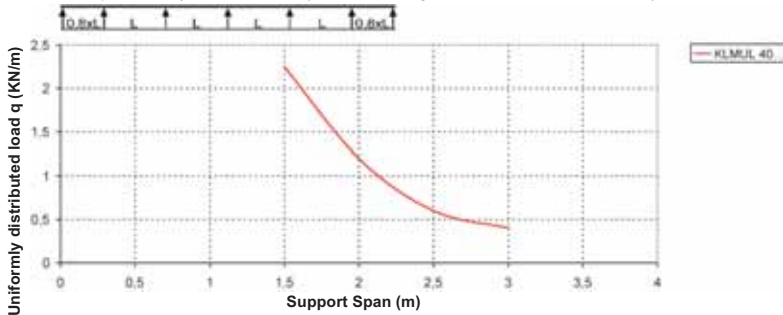
## Marine Cable Ladder

	model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 m kg	
★	F	KLMUL 40.100 F	40/1,6	110/4,3	5	932825	324,2
★	F	KLMUL 40.150 F	40/1,6	160/6,2	5	932849	345
★	F	KLMUL 40.200 F	40/1,6	210/8,2	5	932863	356,5
★	F	KLMUL 40.250 F	40/1,6	260/10,1	5	932887	386,4
★	F	KLMUL 40.300 F	40/1,6	310/12,1	5	932900	407,1
★	F	KLMUL 40.400 F	40/1,6	410/16	5	932924	448,5
★	F	KLMUL 40.500 F	40/1,6	510/19,9	5	932948	490
★	F	KLMUL 40.600 F	40/1,6	610/23,8	5	932962	531,4
★	F	KLMUL 40.700 F	40/1,6	710/27,7	5	932986	572,8
★	F	KLMUL 40.800 F	40/1,6	810/31,6	5	933006	614,3
★	F	KLMUL 40.900 F	40/1,6	910/35,5	5	933020	655,7
★	F	KLMUL 40.1000F	40/1,6	1010/39,4	5	933044	697,1

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Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)

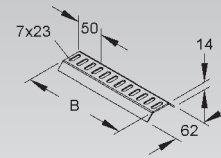


Specified load ratings are independent of splice plate location.

## Trapeze Rungs

	model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
B	SPM 100	100/3,9	298907	10,9
B	SPM 150	150/5,8	299003	16,5
B	SPM 200	200/7,8	299102	22
B	SPM 250	250/9,8	299201	27,5
B	SPM 300	300/11,7	299300	33
B	SPM 400	400/15,6	299409	44
B	SPM 500	500/19,5	299508	55
B	SPM 600	600/23,4	299607	66
B	SPM 700	700/27,3	299706	77
B	SPM 800	800/31,2	299805	88,9
B	SPM 900	900/35,1	299904	99
B	SPM 1000	1000/39	300006	109

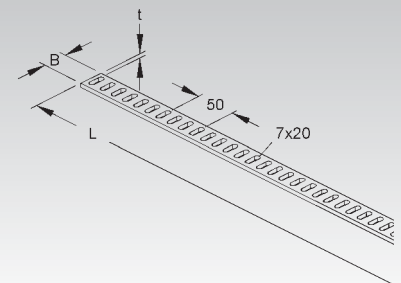
supplementary rung, for welding into the marine cable ladder



## Rungs

	model no.	width B mm/Inch	thick-ness (t) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 m kg
B	SPM 30X5/3B	30/1,2	5	3000/117	300204	83
F	SPM 30X5/3F	30/1,2	5	3000/117	300303	85

additional flat steel rung, for welding into the marine cable ladder

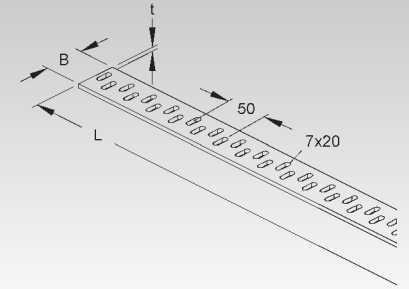


# MARINE CABLE LADDER SYSTEM

## Rungs

model no.	width B mm/Inch	thick-ness (t) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 m kg
B SPM 50X5/3B	50/2	5	3000/117	300402	162
F SPM 50X5/3F	50/2	5	3000/117	300501	164

additional flat steel rung, for welding into the marine cable ladder



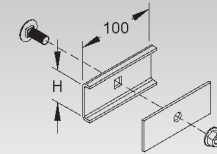
## Splice Plate

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
F KLMV 40	41/1,6	298808	27

for positive locking connections of the marine cable ladder

2 pieces required per joint

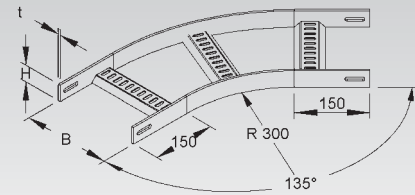
Equipotential bonding guaranteed by bolting the side rails together.



## Elbow 45°

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	EAN code	Weight per 100 pc. kg
★ F KLMUBB 40.100F	40/1,6	100/3,9	5	935109	220,4
★ F KLMUBB 40.150F	40/1,6	150/5,8	5	935116	242,5
★ F KLMUBB 40.200F	40/1,6	200/7,8	5	935123	264,7
★ F KLMUBB 40.250F	40/1,6	250/9,8	5	935130	286,9
★ F KLMUBB 40.300F	40/1,6	300/11,7	5	935147	309,1
★ F KLMUBB 40.400F	40/1,6	400/15,6	5	935154	353,4
★ F KLMUBB 40.500F	40/1,6	500/19,5	5	935161	397,8
★ F KLMUBB 40.600F	40/1,6	600/23,4	5	935178	442
★ F KLMUBB 40.700F	40/1,6	700/27,3	5	935185	486,3
★ F KLMUBB 40.800F	40/1,6	800/31,2	5	935192	530,7
★ F KLMUBB 40.900F	40/1,6	900/35,1	5	935208	575
★ F KLMUBB40.1000F	40/1,6	1000/39	5	935215	619,3

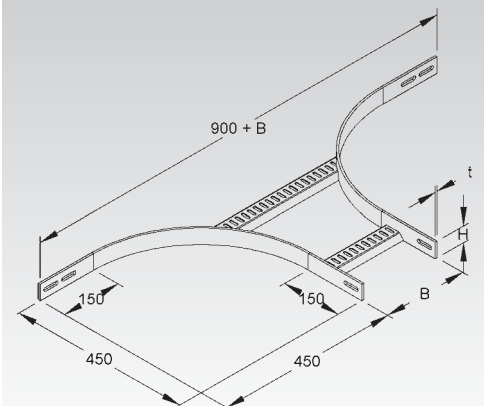
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## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ F KLMUAT 40.100F	40/1,6	100/3,9	5	4 FLM 8x25 F	935222	290
★ F KLMUAT 40.150F	40/1,6	150/5,8	5	4 FLM 8x25 F	935239	300,4
★ F KLMUAT 40.200F	40/1,6	200/7,8	5	4 FLM 8x25 F	935246	310,7
★ F KLMUAT 40.250F	40/1,6	250/9,8	5	4 FLM 8x25 F	935253	321
★ F KLMUAT 40.300F	40/1,6	300/11,7	5	4 FLM 8x25 F	935260	331,4
★ F KLMUAT 40.400F	40/1,6	400/15,6	5	4 FLM 8x25 F	935277	352,2
★ F KLMUAT 40.500F	40/1,6	500/19,5	5	4 FLM 8x25 F	935284	372,9
★ F KLMUAT 40.600F	40/1,6	600/23,4	5	4 FLM 8x25 F	935291	393,6
★ F KLMUAT 40.700F	40/1,6	700/27,3	5	4 FLM 8x25 F	935307	414,3
★ F KLMUAT 40.800F	40/1,6	800/31,2	5	4 FLM 8x25 F	935314	435,1
★ F KLMUAT 40.900F	40/1,6	900/35,1	5	4 FLM 8x25 F	935321	455,7
★ F KLMUAT40.1000F	40/1,6	1000/39	5	4 FLM 8x25 F	935338	476,4

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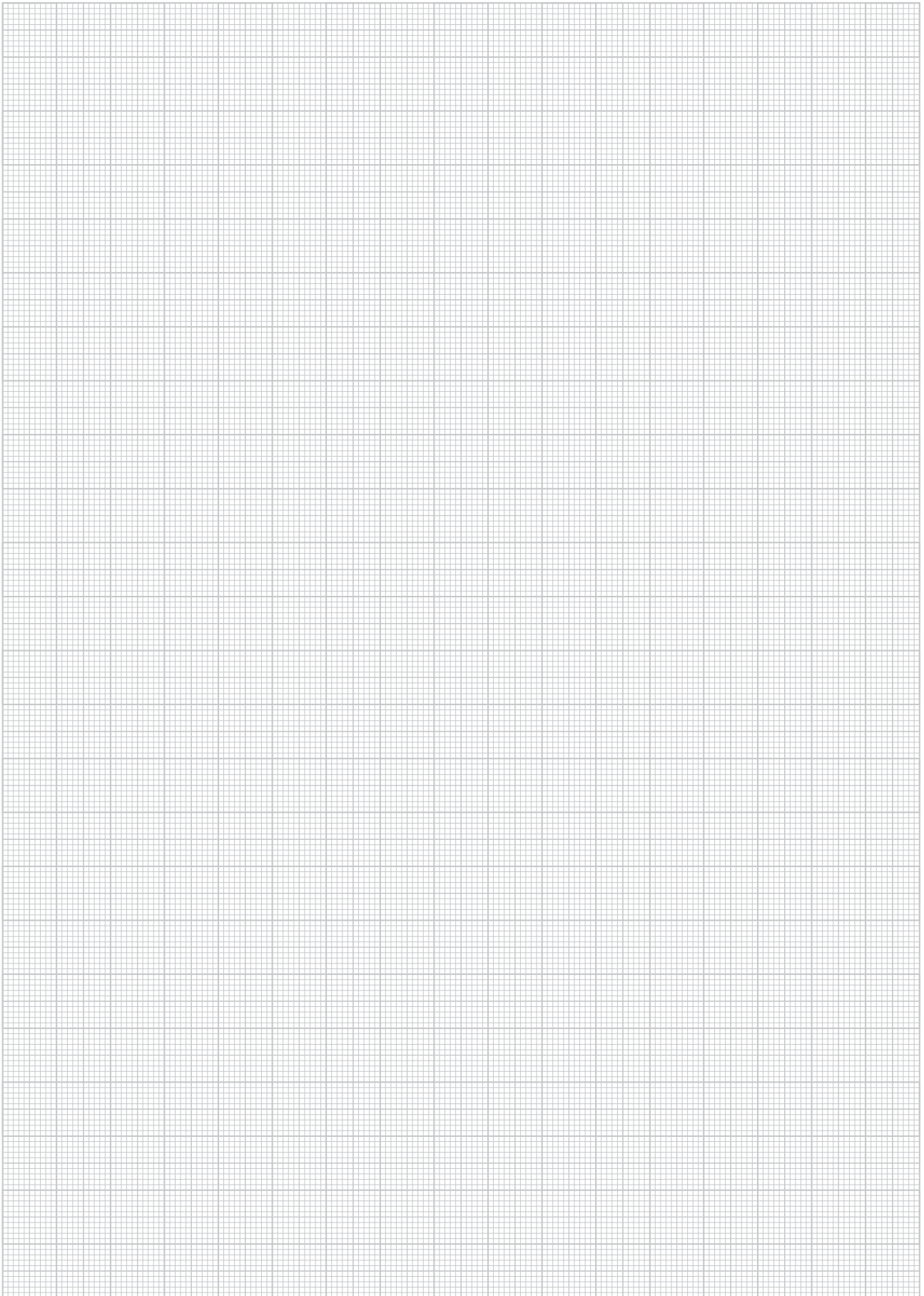
## Mushroom Head Bolt, similar to DIN 603 Standard

model no.	thread	length (A) mm/Inch	strength category	EAN code	Weight per 100 pc. kg
F FLM 8 X 25 F	M8	25/1	8.8	206803	2,8

HDG finish, flange nut included







## Vertical Cable Ladder System

-  Vertical Cable Ladder
-  Splice Plates
-  Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



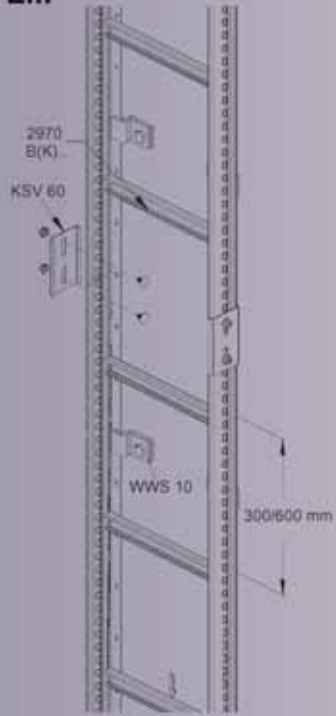
Niedax vertical cable ladders are available in a wide range of sizes and finishes. They are designed to mount cables directly to the horizontal rungs using various kinds and sizes of Niedax yoke clamps. Light and medium duty versions can be bolted directly to the wall, the heavy duty version based on the I 80 profile is mounted using a wall support bracket.



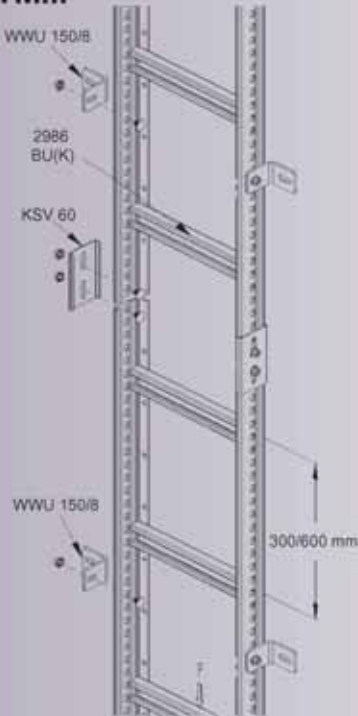
## Available Side Rail Heights

SYSTEM	Vertical Cable Ladder, light version	<b>STL</b>	Page 292/293
	Vertical Cable Ladder	<b>STM</b>	Page 294/295
	Splice Plate	<b>KSV 60</b>	Page 295
	Wall Support/Wall Clamping Piece	<b>WWS 10</b>	Page 295
	Wall Support, isosceles	<b>WWU 150/8</b>	Page 296
	Wall Support, asymmetric	<b>WWA 100</b>	Page 296
	Vertical Cable Ladder, not assembled	<b>STUC</b>	Page 297
	Rungs for Vertical Cable Ladders	<b>SPCKL</b>	Page 297/298
	Straight Splice Plate	<b>VB 6040</b>	Page 298
	Wall Support, isosceles	<b>WWU 150</b>	Page 298
	U-Channel U 6040	<b>U 6040</b>	Page 299
	Vertical Cable Ladder, heavy duty version	<b>STIC</b>	Page 300
	Vertical Cable Ladder, heavy duty version	<b>STIW</b>	Page 301
	Rungs for vertical cable ladders	<b>SPW</b>	Page 301
	Wall Support, isosceles	<b>WWI 80</b>	Page 302
	Straight Splice Plate	<b>VBI 80</b>	Page 302
	Bolted Head Plate	<b>KI 80</b>	Page 302
	Bolted Head Plate, crosswise to profile I 80	<b>KIQ 80</b>	Page 302
	Profile I 80	<b>I 80</b>	Page 303

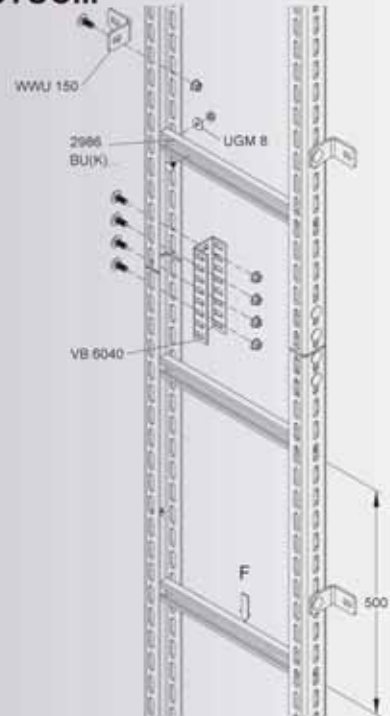
**STL...**



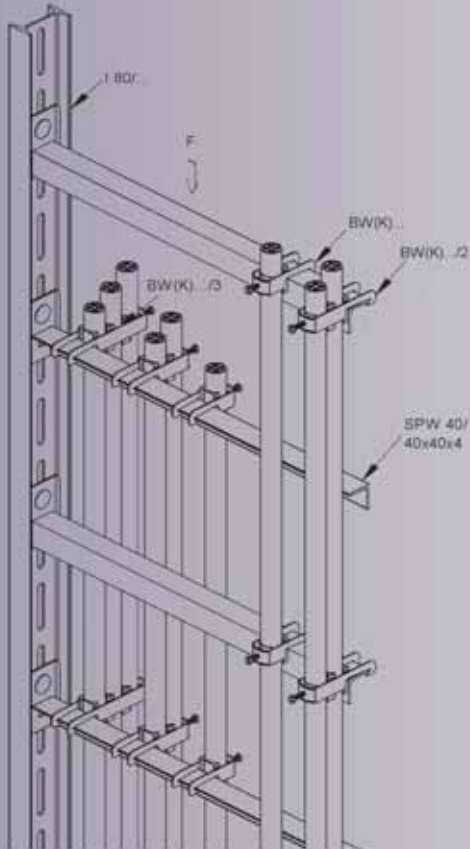
**STM...**



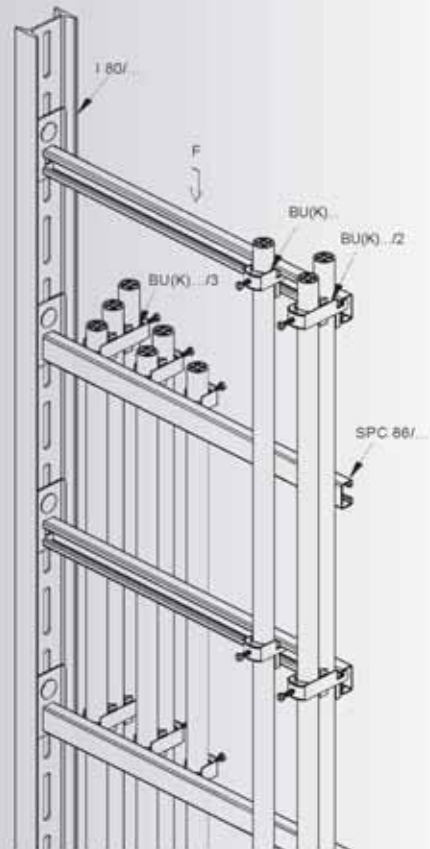
**STUC...**



**STIW...**



**STIC...**





# VERTICAL CABLE LADDER SYSTEM

## Vertical Cable Ladder

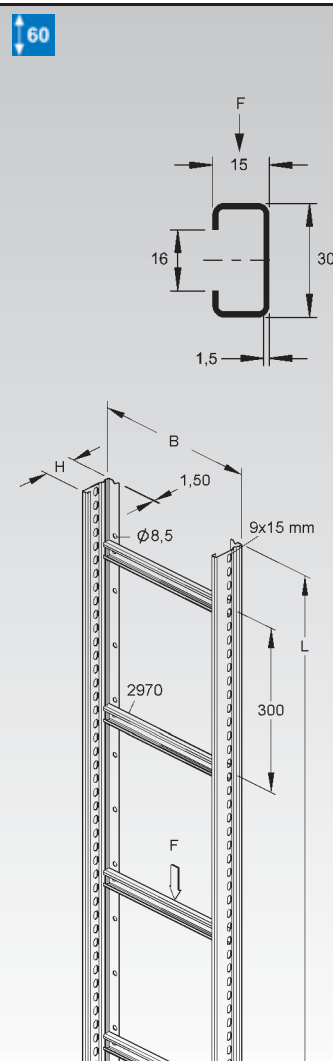
distance between rungs: 300 mm

model no.	height (H)	width B	length (A)	admissible load F	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch	kN		
S STL 60.203/3	60/2,3	200/7,8	3000/117	1	921102	270
S STL 60.303/3	60/2,3	300/11,7	3000/117	1	921126	297
S STL 60.403/3	60/2,3	400/15,6	3000/117	1	921140	320
S STL 60.503/3	60/2,3	500/19,5	3000/117	1	921164	347
S STL 60.603/3	60/2,3	600/23,4	3000/117	1	921188	370
S STL 60.203/6	60/2,3	200/7,8	6000/234	1	921300	270
S STL 60.303/6	60/2,3	300/11,7	6000/234	1	921324	295
S STL 60.403/6	60/2,3	400/15,6	6000/234	1	921348	320
S STL 60.503/6	60/2,3	500/19,5	6000/234	1	921362	345
S STL 60.603/6	60/2,3	600/23,4	6000/234	1	921386	370
F STL 60.203/3 F	60/2,3	200/7,8	3000/117	1	921508	274
F STL 60.303/3 F	60/2,3	300/11,7	3000/117	1	921522	304
F STL 60.403/3 F	60/2,3	400/15,6	3000/117	1	921546	330
F STL 60.503/3 F	60/2,3	500/19,5	3000/117	1	921560	357
F STL 60.603/3 F	60/2,3	600/23,4	3000/117	1	921584	384
F STL 60.203/6 F	60/2,3	200/7,8	6000/234	1	921706	274
F STL 60.303/6 F	60/2,3	300/11,7	6000/234	1	921720	302
F STL 60.403/6 F	60/2,3	400/15,6	6000/234	1	921744	330
F STL 60.503/6 F	60/2,3	500/19,5	6000/234	1	921768	355
F STL 60.603/6 F	60/2,3	600/23,4	6000/234	1	921782	382

100 mm center distance for punch holes 11x15 mm in the side rail

Extra holes in the bottom of the side rail (dia. 8.5 mm) for direct bolting to the support structure.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Vertical Cable Ladder

distance between rungs: 600 mm

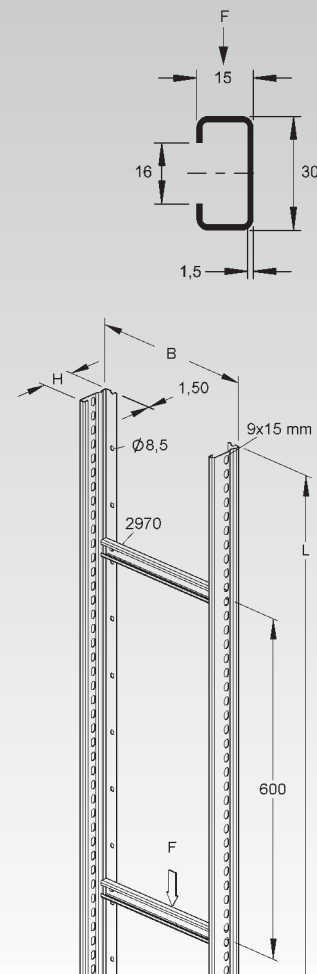
model no.	height (H)	width B	length (A)	admissible load F	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch	kN		
S STL 60.206/3	60/2,3	200/7,8	3000/117	1	921201	247
S STL 60.306/3	60/2,3	300/11,7	3000/117	1	921225	260
S STL 60.406/3	60/2,3	400/15,6	3000/117	1	921249	274
S STL 60.506/3	60/2,3	500/19,5	3000/117	1	921263	284
S STL 60.606/3	60/2,3	600/23,4	3000/117	1	921287	297
S STL 60.206/6	60/2,3	200/7,8	6000/234	1	921409	245
S STL 60.306/6	60/2,3	300/11,7	6000/234	1	921423	260
S STL 60.406/6	60/2,3	400/15,6	6000/234	1	921447	272
S STL 60.506/6	60/2,3	500/19,5	6000/234	1	921461	284
S STL 60.606/6	60/2,3	600/23,4	6000/234	1	921485	300
F STL 60.206/3 F	60/2,3	200/7,8	3000/117	1	921607	250
F STL 60.306/3 F	60/2,3	300/11,7	3000/117	1	921621	264
F STL 60.406/3 F	60/2,3	400/15,6	3000/117	1	921645	277
F STL 60.506/3 F	60/2,3	500/19,5	3000/117	1	921669	290
F STL 60.606/3 F	60/2,3	600/23,4	3000/117	1	921683	304
F STL 60.206/6 F	60/2,3	200/7,8	6000/234	1	921805	249
F STL 60.306/6 F	60/2,3	300/11,7	6000/234	1	921829	262
F STL 60.406/6 F	60/2,3	400/15,6	6000/234	1	921843	275
F STL 60.506/6 F	60/2,3	500/19,5	6000/234	1	921867	290
F STL 60.606/6 F	60/2,3	600/23,4	6000/234	1	921881	304

100 mm center distance for punch holes 11x15 mm in the side rail

Extra holes in the bottom of the side rail (dia. 8.5 mm) for direct bolting to the support structure.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

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# VERTICAL CABLE LADDER SYSTEM

## Vertical Cable Ladder

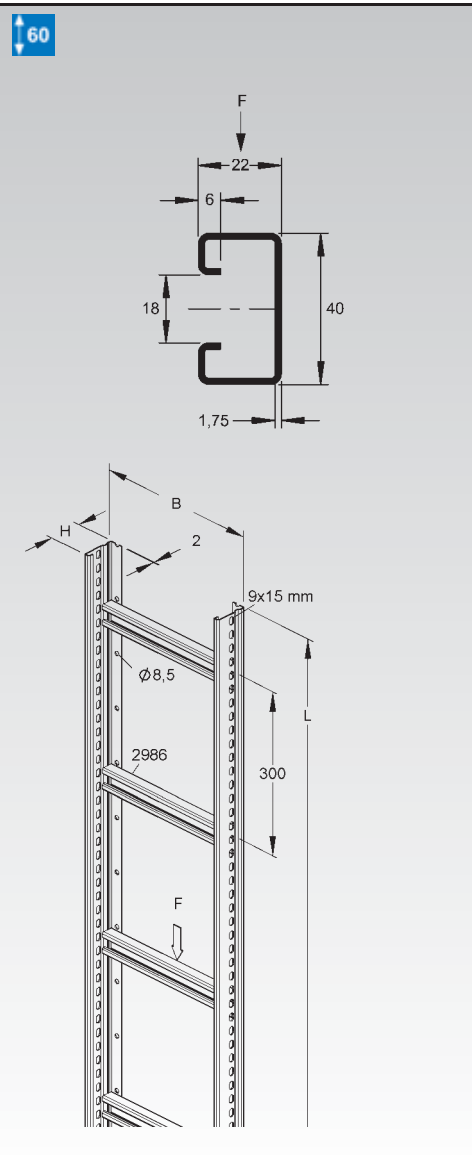
distance between rungs: 300 mm

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	admissible load F kN	EAN code	Weight per 100 m kg
S STM 60.203/3	60/2,3	200/7,8	3000/117	1,75	886401	399
S STM 60.303/3	60/2,3	300/11,7	3000/117	1,75	886425	452
S STM 60.403/3	60/2,3	400/15,6	3000/117	1,75	886449	505
S STM 60.503/3	60/2,3	500/19,5	3000/117	1,75	886463	559
S STM 60.603/3	60/2,3	600/23,4	3000/117	1,75	886487	612
S STM 60.203/6	60/2,3	200/7,8	6000/234	1,75	321308	399
S STM 60.303/6	60/2,3	300/11,7	6000/234	1,75	321407	452
S STM 60.403/6	60/2,3	400/15,6	6000/234	1,75	321506	505
S STM 60.503/6	60/2,3	500/19,5	6000/234	1,75	321605	559
S STM 60.603/6	60/2,3	600/23,4	6000/234	1,75	321704	612
F STM 60.203/3 F	60/2,3	200/7,8	3000/117	1,75	586622	410
F STM 60.303/3 F	60/2,3	300/11,7	3000/117	1,75	586646	460
F STM 60.403/3 F	60/2,3	400/15,6	3000/117	1,75	586660	510
F STM 60.503/3 F	60/2,3	500/19,5	3000/117	1,75	586684	560
F STM 60.603/3 F	60/2,3	600/23,4	3000/117	1,75	586691	610
F STM 60.203/6 F	60/2,3	200/7,8	6000/234	1,75	585601	428,2
F STM 60.303/6 F	60/2,3	300/11,7	6000/234	1,75	585700	485,6
F STM 60.403/6 F	60/2,3	400/15,6	6000/234	1,75	585809	542,9
F STM 60.503/6 F	60/2,3	500/19,5	6000/234	1,75	585908	600,2
F STM 60.603/6 F	60/2,3	600/23,4	6000/234	1,75	586004	657,6

100 mm center distance for punch holes 11x15 mm in the side rail

Extra holes in the bottom of the side rail (dia. 8.5 mm) for direct bolting to the support structure.

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.



## Vertical Cable Ladder

distance between rungs: 600 mm

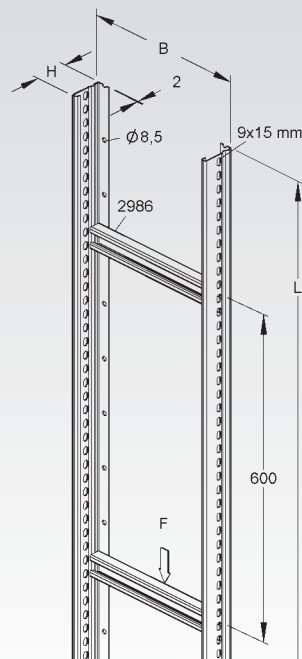
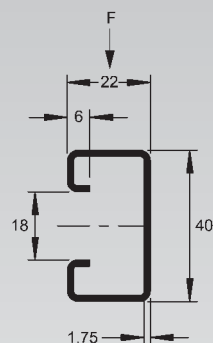
model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	admissible load F kN	EAN code	Weight per 100 m kg
S STM 60.206/3	60/2,3	200/7,8	3000/117	1,75	873302	345
S STM 60.306/3	60/2,3	300/11,7	3000/117	1,75	873326	372
S STM 60.406/3	60/2,3	400/15,6	3000/117	1,75	873340	399
S STM 60.506/3	60/2,3	500/19,5	3000/117	1,75	873364	425
S STM 60.606/3	60/2,3	600/23,4	3000/117	1,75	873388	452
S STM 60.206/6	60/2,3	200/7,8	6000/234	1,75	322404	345
S STM 60.306/6	60/2,3	300/11,7	6000/234	1,75	322503	372
S STM 60.406/6	60/2,3	400/15,6	6000/234	1,75	322602	399
S STM 60.506/6	60/2,3	500/19,5	6000/234	1,75	322701	425
S STM 60.606/6	60/2,3	600/23,4	6000/234	1,75	322800	452
F STM 60.206/3 F	60/2,3	200/7,8	3000/117	1,75	916368	360
F STM 60.306/3 F	60/2,3	300/11,7	3000/117	1,75	916382	383
F STM 60.406/3 F	60/2,3	400/15,6	3000/117	1,75	916405	410
F STM 60.506/3 F	60/2,3	500/19,5	3000/117	1,75	916429	433
F STM 60.606/3 F	60/2,3	600/23,4	3000/117	1,75	916443	463
F STM 60.206/6 F	60/2,3	200/7,8	6000/234	1,75	586707	370,9
F STM 60.306/6 F	60/2,3	300/11,7	6000/234	1,75	586806	399,6
F STM 60.406/6 F	60/2,3	400/15,6	6000/234	1,75	586905	428,2
F STM 60.506/6 F	60/2,3	500/19,5	6000/234	1,75	587001	456,9
F STM 60.606/6 F	60/2,3	600/23,4	6000/234	1,75	587100	485,6

100 mm center distance for punch holes 11x15 mm in the side rail

Extra holes in the bottom of the side rail (dia. 8.5 mm) for direct bolting to the support structure.

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.

60



## Splice Plate

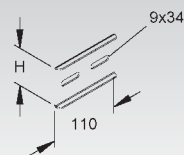
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S KSV 60 S	60/2,3	2 FLM 8x13 F	289875	16
F KSV 60 F	60/2,3	2 FLM 8x13 F	289882	17

for positive locking connections of cable ladders with a side rail height of 60 mm and corresponding fittings

**2 pieces required per joint. Please order separately.**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

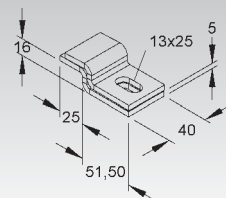
60



## Wall Clamp

model no.	EAN code	Weight per 100 pairs kg
F WWS 10	194704	44

for clamping STL... and STM... type vertical cable ladders to the wall



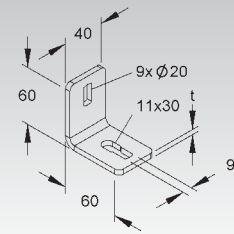
# VERTICAL CABLE LADDER SYSTEM

## Wall Support

symmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWU 150/8	5	1 FLM 8x16 F	194506	21
<b>E3</b> WWU 150/8 E3	4	1 FLM 8x16 E3	344307	21

for floor-, ceiling- or wall-mount



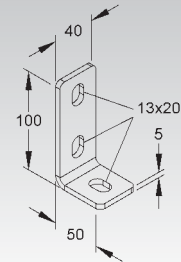
## Wall Support

asymmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWA 100	5	1 FLM 10x25 F	194759	30

for floor-, ceiling- or wall-mount

To be used for: U-profile U 50/..., U 5050/..., U 6040/..., U 100/...



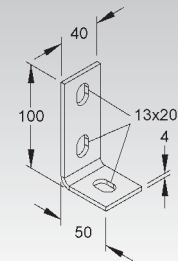
## Wall Support

asymmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>E3</b> WWA 100 E3	4	1 FLM 10x25 E3	344345	19,4

for floor-, ceiling- or wall-mount

To be used for: Stainless Steel U-Profile U 50/..., U 6040/..., U 100/...





## Vertical Cable Ladder

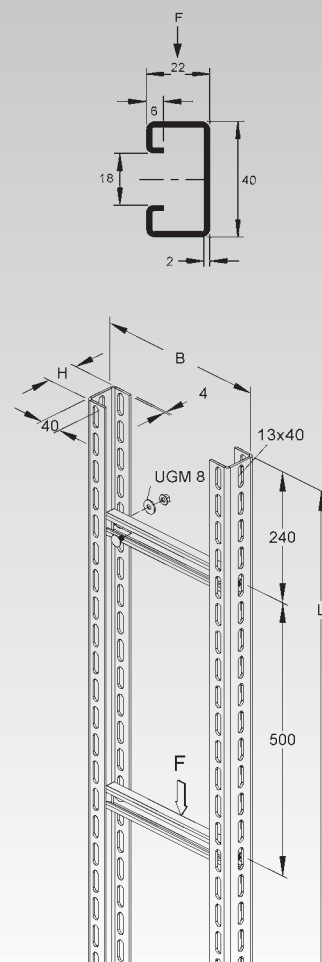
delivered as a kit (not assembled)

	model no.	height (H)	width B	length (A)	admissible load F	EAN code	Weight per 100 m kg
		mm/Inch	mm/Inch	mm/Inch	kN		
★ F	STUC 60/205 F	60/2,3	215/8,4	4500/175,5	1,75	924608	746
★ F	STUC 60/305 F	60/2,3	315/12,3	4500/175,5	1,75	924622	777
★ F	STUC 60/405 F	60/2,3	415/16,2	4500/175,5	1,75	924646	810
★ F	STUC 60/505 F	60/2,3	515/20,1	4500/175,5	1,75	924660	842
★ F	STUC 60/605 F	60/2,3	615/24	4500/175,5	1,75	924684	874
★ F	STUC 60/705 F	60/2,3	715/27,9	4500/175,5	1,75	924707	907
★ F	STUC 60/805 F	60/2,3	815/31,8	4500/175,5	1,75	924721	939
★ F	STUC 60/905 F	60/2,3	915/35,7	4500/175,5	1,75	924745	971
★ F	STUC 60/1005 F	60/2,3	1015/39,6	4500/175,5	1,75	924769	1003
★ F	STUC 60/1105 F	60/2,3	1115/43,5	4500/175,5	1,75	924783	1035
★ F	STUC 60/1205 F	60/2,3	1215/47,4	4500/175,5	1,75	924806	1070
★ E3	STUC 60/205 E3	60/2,3	215/8,4	4500/175,5	1,75	925841	701
★ E3	STUC 60/305 E3	60/2,3	315/12,3	4500/175,5	1,75	925865	731
★ E3	STUC 60/405 E3	60/2,3	415/16,2	4500/175,5	1,75	925889	761
★ E3	STUC 60/505 E3	60/2,3	515/20,1	4500/175,5	1,75	925902	791
★ E3	STUC 60/605 E3	60/2,3	615/24	4500/175,5	1,75	925926	821
★ E3	STUC 60/705 E3	60/2,3	715/27,9	4500/175,5	1,75	925940	847
★ E3	STUC 60/805 E3	60/2,3	815/31,8	4500/175,5	1,75	925964	878
★ E3	STUC 60/905 E3	60/2,3	915/35,7	4500/175,5	1,75	925988	908
★ E3	STUC 60/1005E3	60/2,3	1015/39,6	4500/175,5	1,75	926008	938
★ E3	STUC 60/1105E3	60/2,3	1115/43,5	4500/175,5	1,75	926022	968
★ E3	STUC 60/1205E3	60/2,3	1215/47,4	4500/175,5	1,75	926046	998

50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail

delivered as a kit (not assembled)

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.



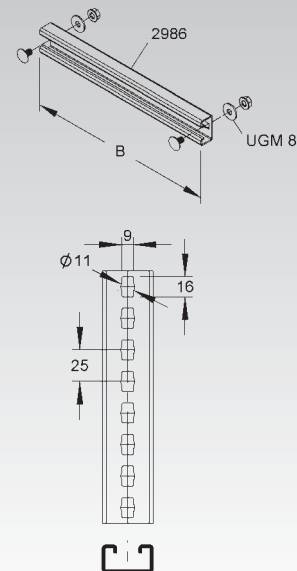
## Rungs for Vertical Cable Ladders

C-rail type 2986 (40x22x2), for additional needs

	model no.	width B	admissible load F	acc. incl.	EAN code	Weight per 100 pc. kg
		mm/Inch	kN			
★ F	SPCKL 86/200 F	200/7,8	1,75	2 FLM 8x16 F, 2 UGM 8 F	924820	32
★ F	SPCKL 86/300 F	300/11,7	1,75	2 FLM 8x16 F, 2 UGM 8 F	924844	48
★ F	SPCKL 86/400 F	400/15,6	1,75	2 FLM 8x16 F, 2 UGM 8 F	924868	65
★ F	SPCKL 86/500 F	500/19,5	1,75	2 FLM 8x16 F, 2 UGM 8 F	924882	81
★ F	SPCKL 86/600 F	600/23,4	1,75	2 FLM 8x16 F, 2 UGM 8 F	924905	97
★ F	SPCKL 86/700 F	700/27,3	1,75	2 FLM 8x16 F, 2 UGM 8 F	924929	113
★ F	SPCKL 86/800 F	800/31,2	1,75	2 FLM 8x16 F, 2 UGM 8 F	924943	129
★ F	SPCKL 86/900 F	900/35,1	1,75	2 FLM 8x16 F, 2 UGM 8 F	924967	145
★ F	SPCKL 86/1000F	1000/39	1,75	2 FLM 8x16 F, 2 UGM 8 F	924981	161
★ F	SPCKL 86/1100F	1100/42,9	1,75	2 FLM 8x16 F, 2 UGM 8 F	925001	177
★ F	SPCKL 86/1200F	1200/46,8	1,75	2 FLM 8x16 F, 2 UGM 8 F	925025	194

To be used for: vertical cable ladder STUC 60/...F

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.



# VERTICAL CABLE LADDER SYSTEM

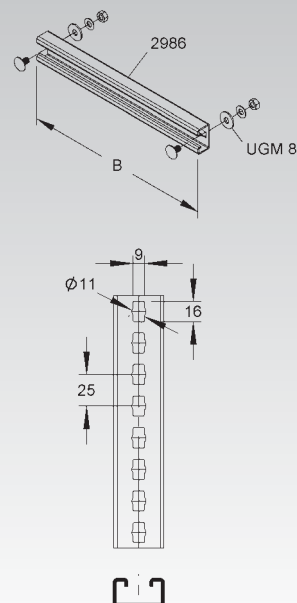
## Rungs for Vertical Cable Ladders

C-rail type 2986 (40x22x2), for additional needs

model no.	width B mm/Inch	admissible load F kN	acc. incl.	EAN code	Weight per 100 pc. kg
★ E3 SPCKL 86/200E3	200/7,8	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926060	30
★ E3 SPCKL 86/300E3	300/11,7	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926084	45
★ E3 SPCKL 86/400E3	400/15,6	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926107	60
★ E3 SPCKL 86/500E3	500/19,5	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926121	75
★ E3 SPCKL 86/600E3	600/23,4	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926145	90
★ E3 SPCKL 86/700E3	700/27,3	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926169	105
★ E3 SPCKL 86/800E3	800/31,2	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926183	120
★ E3 SPCKL 86/900E3	900/35,1	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926206	135
★ E3 SPCKL86/1000E3	1000/39	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926220	150
★ E3 SPCKL86/1100E3	1100/42,9	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926244	165
★ E3 SPCKL86/1200E3	1200/46,8	1,75	2 FLM 8x16 E3, 2 UGM 8 E3	926268	180

To be used for: vertical cable ladder STUC 60/...F

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.

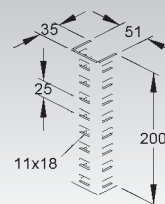


## Straight Splice Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F VB 6040	4 FLM 10x25 F	891788	45
E3 VB 6040 E3	4 FLM 10x25 E3	892143	45

To be used for: profile U 6040/...

Profile perforated with slots (11x18 mm) on all three sides.



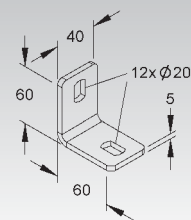
## Wall Support

symmetric

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
F WWU 150	1 FLM 10x25 F	194407	20

for floor-, ceiling- or wall-mount

To be used for: U-profile U 50/..., U 5050/ ..., U 6040/..., U 100/...

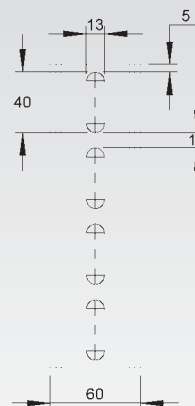
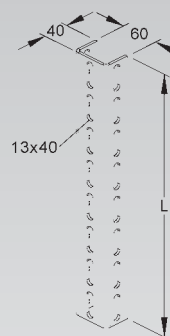


### Profile U 6040

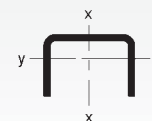
model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>F U 6040/4500 F</b>	4500/175,5	891757	1512
<b>F U 6040/6000 F</b>	6000/234	891764	336

for custom-built overhead hangers and for building support frames

50 mm center distance for punch holes 13x40 mm on all 3 sides of the rail



$I_x=20,4 \text{ cm}^4$   
 $I_y=6,92 \text{ cm}^4$



$I_x=6,82 \text{ cm}^3$   
 $I_y=2,57 \text{ cm}^3$

# VERTICAL CABLE LADDER SYSTEM

## Vertical Cable Ladder

heavy-duty version, delivered as a kit (not assembled)

	model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	admissible load F kN	acc. incl.	EAN code	Weight per 100 m kg
F	STIC 86/206	80/3,1	280/10,9	6000/234	1,75	20 FLM 12x30 F	873203	1325
F	STIC 86/306	80/3,1	380/14,8	6000/234	1,75	20 FLM 12x30 F	873227	1366
F	STIC 86/406	80/3,1	480/18,7	6000/234	1,75	20 FLM 12x30 F	873241	1408
F	STIC 86/506	80/3,1	580/22,6	6000/234	1,75	20 FLM 12x30 F	873265	1450
F	STIC 86/606	80/3,1	680/26,5	6000/234	1,75	20 FLM 12x30 F	323500	1491
F	STIC 86/706	80/3,1	780/30,4	6000/234	1,75	20 FLM 12x30 F	323609	1533
F	STIC 86/806	80/3,1	880/34,3	6000/234	1,75	20 FLM 12x30 F	323708	1575
F	STIC 86/906	80/3,1	980/38,2	6000/234	1,75	20 FLM 12x30 F	323807	1614
F	STIC 86/1006	80/3,1	1080/42,1	6000/234	1,75	20 FLM 12x30 F	323906	1650
F	STIC 86/1106	80/3,1	1180/46	6000/234	1,75	20 FLM 12x30 F	324002	1694
F	STIC 86/1206	80/3,1	1280/49,9	6000/234	1,75	20 FLM 12x30 F	324101	1734

side rails are made of I80 profiles (DIN 1025 compliant), rungs are made of C-profile type 2986

100 mm center distance for square punch holes 13x75 mm

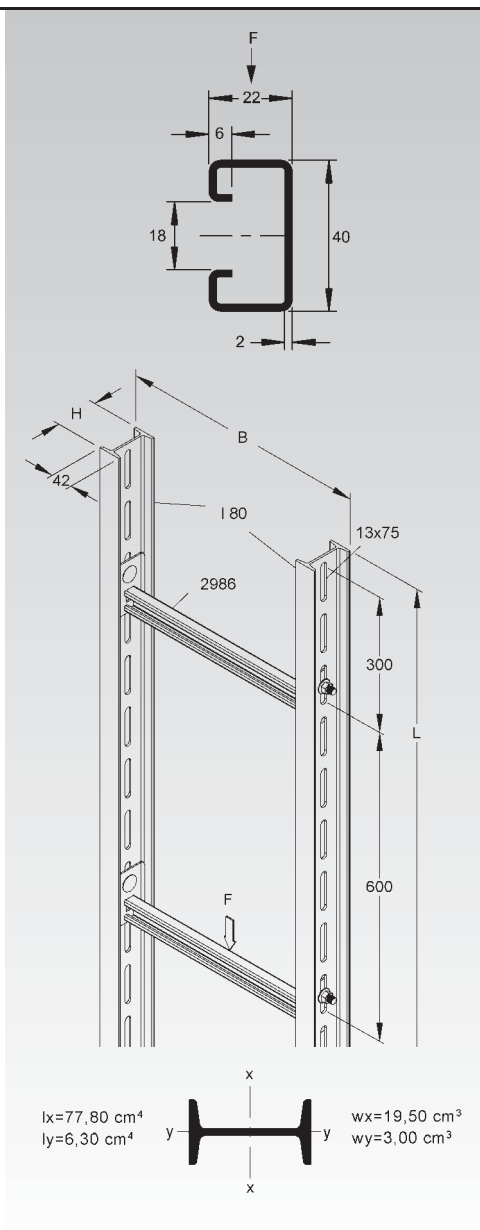
Additional rungs can be installed due to continuously perforated side rails (ex. reverse for holding cables on both sides of the ladder).

Cable ladder is available in 3 meter length as well. The price per meter remains the same.

For proper shipping ladders will be delivered as a kit (not assembled). Kit is made of 2 side rails of 6 meter length, 10 rungs and hardware.

Splice plates and other accessories for mounting have to be ordered separately.

Corresponding yoke clamps (BU... and BUK...) are listed in a separate section of this catalog.



## Vertical Cable Ladder

heavy-duty version, delivered as a kit (not assembled)

model no.	height (H) mm/Inch	width B mm/Inch	length (A) mm/Inch	admissible load F kN	acc. incl.	EAN code	Weight per 100 m kg
F <b>STIW 40/606</b>	80/3,1	680/26,5	6000/234	2,5	20 FLM 12x30 F	324200	1510
F <b>STIW 40/706</b>	80/3,1	780/30,4	6000/234	2,5	20 FLM 12x30 F	324309	1554
F <b>STIW 40/806</b>	80/3,1	880/34,3	6000/234	2,5	20 FLM 12x30 F	324408	1597
F <b>STIW 40/906</b>	80/3,1	980/38,2	6000/234	2,5	20 FLM 12x30 F	324507	1640
F <b>STIW 40/1006</b>	80/3,1	1080/42,1	6000/234	2,5	20 FLM 12x30 F	324606	1684
F <b>STIW 40/1106</b>	80/3,1	1180/46	6000/234	2,5	20 FLM 12x30 F	324705	1727
F <b>STIW 40/1206</b>	80/3,1	1280/49,9	6000/234	2,5	20 FLM 12x30 F	324804	1770

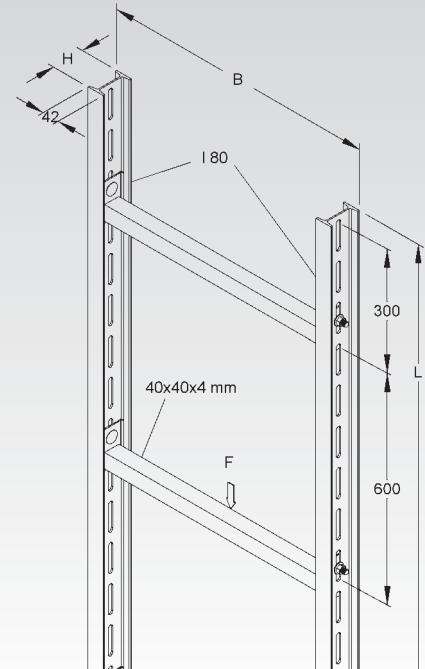
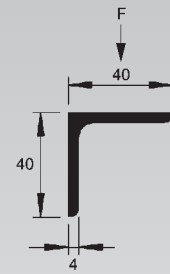
side rails are made of I80 profiles (DIN 1025 compliant), rungs are made of angle iron 40x40x4 mm (DIN 1028 compliant).

Additional rungs can be installed due to continuously perforated side rails (ex. reverse for holding cables on both sides of the ladder).

Cable ladder is available in 3 meter length as well. The price per meter remains the same.

For proper shipping ladders will be delivered as a kit (not assembled). Kit is made of 2 side rails of 6 meter length, 10 rungs and hardware.

Corresponding yoke clamps (BW... and BWK...) are listed in a separate section of this catalog.



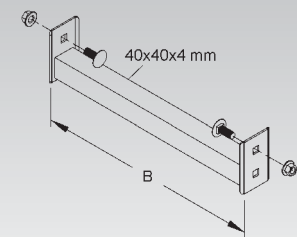
## Rungs for Vertical Cable Ladders

rungs are made of RHS 40x40x4 mm (DIN 1028 compliant)

model no.	width B mm/Inch	admissible load F kN	acc. incl.	EAN code	Weight per 100 pc. kg
F <b>SPW 40/600</b>	634/24,7	2,5	2 FLM 12x30 F	324903	186
F <b>SPW 40/700</b>	734/28,6	2,5	2 FLM 12x30 F	325009	212
F <b>SPW 40/800</b>	834/32,5	2,5	2 FLM 12x30 F	325108	238
F <b>SPW 40/900</b>	934/36,4	2,5	2 FLM 12x30 F	325207	264
F <b>SPW 40/1000</b>	1034/40,3	2,5	2 FLM 12x30 F	325306	290
F <b>SPW 40/1100</b>	1134/44,2	2,5	2 FLM 12x30 F	325405	316
F <b>SPW 40/1200</b>	1234/48,1	2,5	2 FLM 12x30 F	325504	342

To be used for: vertical cable ladder STIW 40/...

Corresponding yoke clamps (BW... and BWK...) are listed in a separate section of this catalog.





# VERTICAL CABLE LADDER SYSTEM

## Wall Support

symmetric

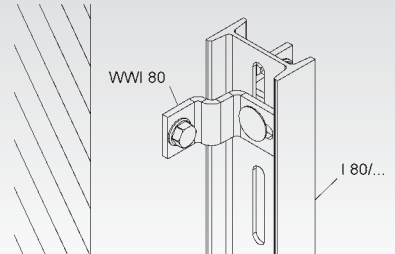
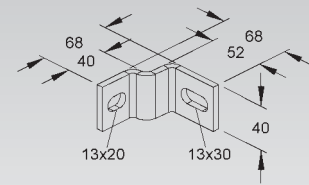
model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWI 80	1 FLM 12x30 F	193004	26,7

for mounting I 80/... profiles to the wall

To be used for: profile I 80/..., overhead hangers HI 80/... and vertical cable ladders of type STIC.... and STIW...



59

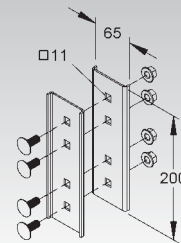


## Straight Splice Plate

model no.	acc. incl.	EAN code	Weight per 100 pairs kg
<b>F</b> VBI 80	4 FLM 10x25 F	199501	152

**4 pieces required per joint**

To be used for: profile I 80/... and overhead hanger HI 80/...



## Head Plate

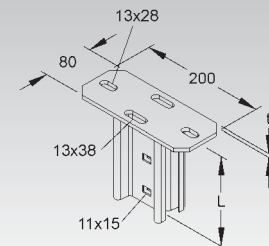
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KI 80	151/5,9	6	2 FLM 10x25 F	192908	150

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

152 mm center distance for long holes 13x28 mm in the head plate of the hanger  
50 mm center distance for long holes 13x38 mm in the head plate



## Head Plate

crosswise to profile I 80

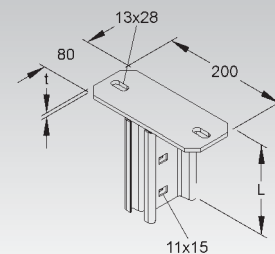
model no.	Total length L mm/Inch	thickness of the head plate (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> KIQ 80	151/5,9	6	2 FLM 10x25 F	903009	134

for mounting on horizontal ceilings

**Thickness of headplate is included in total length indicated.**

To be used for: profile I 80/...

152 mm center distance for long holes 13x28 mm in the head plate of the hanger

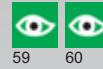


## Profile I 80

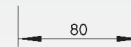
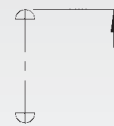
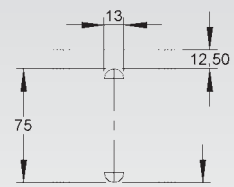
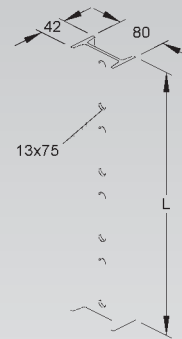
according to DIN 1025 standard

model no.	length (A) mm/inch	EAN code	Weight per 100 m kg
<b>F I 80/3000</b>	3000/117	181407	600
<b>F I 80/6000</b>	6000/234	181506	600

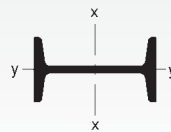
for custom-built overhead hangers, vertical cable ladders STIC/STIW and for building support frames



59 60



$I_x = 77,80 \text{ cm}^4$   
 $I_y = 6,30 \text{ cm}^4$



$W_x = 19,50 \text{ cm}^3$   
 $W_y = 3,00 \text{ cm}^3$

## Long Span System

Long Span Cable Tray

Long Span Cable Ladder

Fittings

Accessories



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).



The Long Span System is used where long support spans and high cable load capacities are required. Our heavy duty versions show a load rating of 20C according to NEMA. The main application for Long Span Cable Ladders are heavy duty power cables, while Long Span Trays allow a combination of control- and power cables. Like with all Niedax cable management systems you can select from a wide range of sizes, fittings and accessories in various material thicknesses and finishes.



Long support spans are causing high load ratings to each individual support. Load capacities shown are valid only for proper anchorage to the building structure. Please consult structural engineering for maximum allowable ratings and special local regulations.

## Available Side Rail Heights

SYSTEM					
	Long-Span Cable Tray, light version, ventilated	<b>WRL</b>	Page 310	Page 315	Page 320
	Long-Span Cable Tray, light version, non ventilated	<b>WRU</b>	Page 310	Page 315	Page 320
	Long-Span Cable Tray, ventilated	<b>WRLM</b>	—	Page 316	—
<b>ACCESSORIES</b>	Splice Plate	<b>WSV</b>	Page 311	Page 316	Page 320
	Adjustable Splice Plate, vertical	<b>WSGV</b>	Page 311	Page 316	Page 321
	Adjustable Splice Plate, horizontal	<b>WSWV</b>	Page 311	Page 317	Page 321
	Barrier Strip	<b>RW</b>	Page 311	Page 317	Page 321
	Splice Plate for Barrier Strip	<b>RTV</b>	Page 311	Page 317	Page 321
	Mounting Clamp for Barrier Strip	<b>KLWC 16</b>	Page 312	Page 317	Page 321
	Extension Horizontal Tee	<b>WRTA</b>	Page 312	Page 318	Page 322
	Extension Horizontal Elbow	<b>WAE</b>	Page 312	Page 318	Page 322
	Elbow 90°	<b>WRB</b>	Page 313	Page 318	Page 322
	Horizontal Tee	<b>WRT</b>	Page 313	Page 319	Page 323
	Horizontal Cross	<b>WRK</b>	Page 314	Page 319	Page 323
	Bottom Connection Plate	<b>RSL</b>	Page 324*		
	Mounting Plate	<b>RMP 130</b>	Page 324*		
	Edge Protection Plate	<b>RKB</b>	Page 324*		

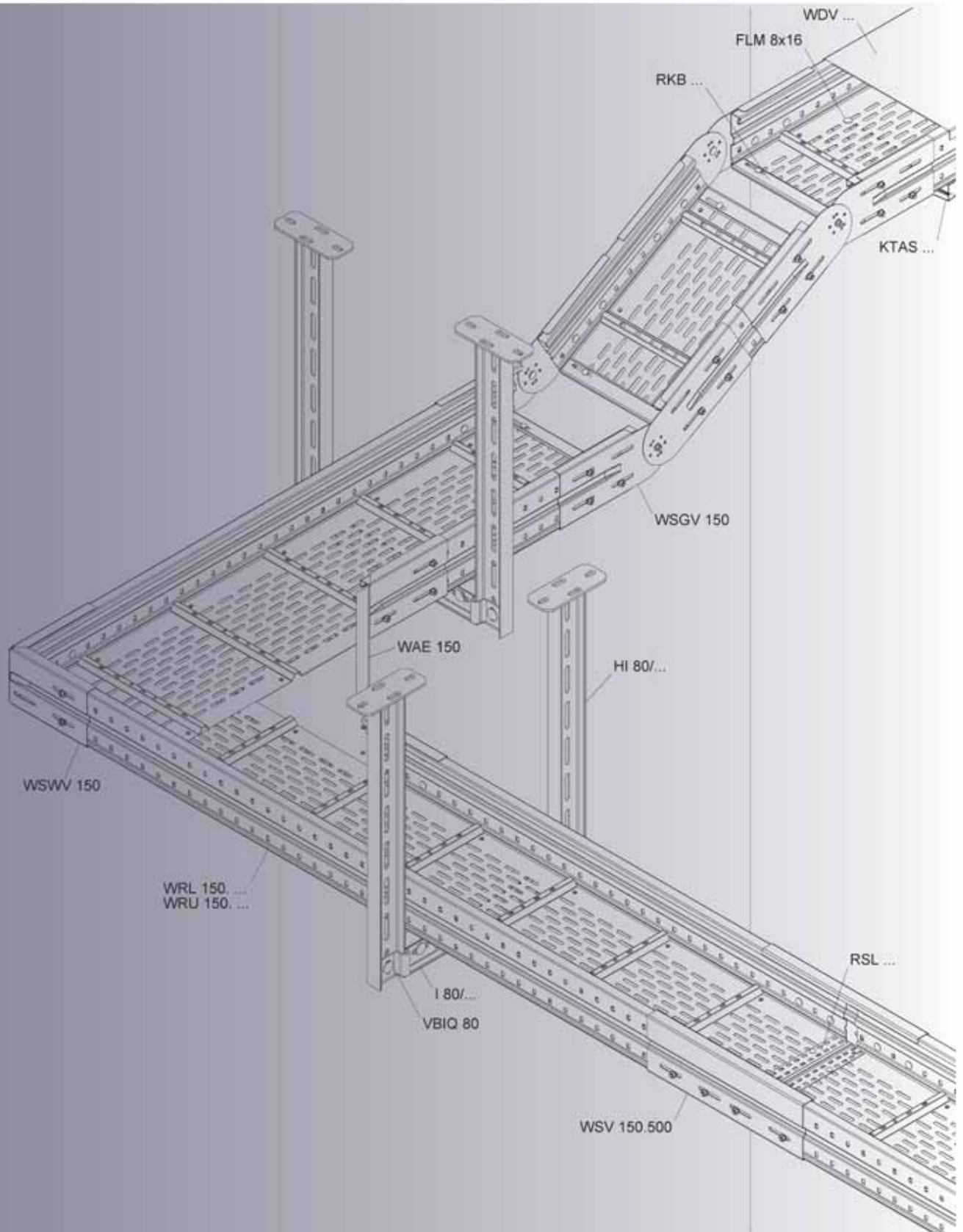
Support Span L m	WRL 105...		WRL 150...		WRLM 150...		WRL 200...	
	q KN/m	F KN	q KN/m	F KN	q KN/m	F KN	q KN/m	F KN
3	2,95	9,15	3,15	9,80	3,45	10,70	3,45	10,70
4	1,70	7,20	2,40	10,00	2,90	12,10	2,80	11,70
5	1,00	5,50	1,75	9,30	2,35	12,40	2,15	11,35
6	0,60	4,20	1,20	7,85	1,85	11,85	1,55	10,00
7	0,40	3,50	0,85	6,70	1,35	10,30	1,10	8,55
8	-	-	0,60	5,70	1,00	9,00	0,85	7,80
9	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-

\* Usable for all siderail heights

q = Uniformly distributed load

F = Force





## Long Span Cable Tray and Cable Ladder Specifications:

### A. CABLE TRAY DESIGN

1. Cable Tray shall be made of straight sections, fittings and accessories as defined in the latest NEMA standards per NEMA VE-1. Standard cable trays shall be UL classified as equipment grounding conductors.

### B. MATERIAL

1. **Pre-galvanized steel.** The structural quality of the steel shall meet the minimum yield and tensile strength of the ASTM standards (ASTM A 653) with G 90 coating thickness. All cable trays to be labeled for material identification purposes.
2. **Hot dipped galvanized steel.** All trays to be hot-dipped galvanized in accordance with ASTM A123. All trays to be labeled for material identification.
3. **Stainless steel.** All trays are to be constructed of AISA type 304 or 316 stainless steel. All trays to be labeled for material identification.

### C. TRAY TYPES

1. **Ventilated cable tray.** Ventilated trough shall incorporate two side-rails connected by rungs on 12" (300 mm) centers with ventilated sheet riveted below the rungs.
2. **Solid cable tray.** Solid bottom tray shall incorporate two side rails connected by rungs on 12" (300 mm) centers with a solid steel sheet riveted below the rungs.
3. **Ladder cable tray.** Ladder shall consist of two side-rails with rungs riveted to the bottom flange of the side-rails. Rungs shall be spaced 8" or 12" (200 or 300 mm) on center. Rungs shall not protrude below the bottom of the side-rail. WSLs heavy duty cable ladder with welded rungs.

### D. TRAY SIZE

1. **Height:** Trays shall have an overall height of 4", 6", and 8" (105, 150 and 200 mm). Minimum load depth shall be 3.5", 5.5" and 7.5" (90, 135 and 185 mm).
2. **Width:** Widths shall be 8", 12", 16", 20" and 24" (200, 300, 400, 500 and 600 mm).
3. **Length:** Length shall be a nominal 10' or 3 meters, and 20' or 6 meters

### E. ACCESSORIES

1. **Covers.** Covers shall be supplied to protect tray cable where needed. Covers will be solid and contain three pair of turn-bolt locks to secure the covers to the lips of the cable tray, requiring only the use of a slotted screwdriver.
2. **Splice plates.** Splice plates shall fasten to the outside of the cable tray side-rails and wrap around and snap onto each section of tray. Bolts and nuts are used to fasten to the tray and are included with splice plates. Plates shall not exceed the NEMA VE-1 resistance of 330 micro ohms.
3. **Other accessories** shall be furnished as required to protect, support, and install a cable tray system. Fittings shall made of the same material as the cable tray whenever possible. Fittings can be of factory construction or also be of a type that allows field constructed fittings.

### F. LOADING CAPABILITIES

1. Cable tray shall meet the load/span class designation in accordance with NEMA VE 1 and CSA E22.2 No 126.1. Cable tray shall also meet load/span designation in accordance with IEC 61537

### G. DESIGN AND MANUFACTURE

1. Cable tray design shall be manufactured by The Niedax Group, WRLX, WRLMX, WRUX, WRULMX, WSLX, WSLMX, WSLSX series.

**Load / Span Class Designation in accordance  
with NEMA VE 1 and CSA E22.2 No. 126.1**

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
WRLX / WRUX 105.200, ... F, ... E3	627.0 / 0.97	452 / 0.7	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 105.300, ... F, ... E3	627.0 / 0.97	452 / 0.7	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 105.400, ... F, ... E3	627.0 / 0.97	452 / 0.7	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 105.500, ... F, ... E3	627.0 / 0.97	452 / 0.7	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 105.600, ... F, ... E3	627.0 / 0.97	452 / 0.7	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 150.200, ... F, ... E3	762.0 / 1.18	645 / 1.0	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 150.300, ... F, ... E3	762.0 / 1.18	645 / 1.0	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 150.400, ... F, ... E3	762.0 / 1.18	645 / 1.0	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 150.500, ... F, ... E3	762.0 / 1.18	645 / 1.0	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 150.600, ... F, ... E3	762.0 / 1.18	645 / 1.0	80 / 53.8	6 / 19.7	8C, 12C, 16B, D, 20A
WRLMX / WRUMX 150.200, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16B, 20A, E, 20B
WRLMX / WRUMX 150.300, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16B, 20A, E, 20B
WRLMX / WRUMX 150.400, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16B, 20A, E, 20B
WRLMX / WRUMX 150.500, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16B, 20A, E, 20B
WRLMX / WRUMX 150.600, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16B, 20A, E, 20B
WRLX / WRUX 200.200, ... F	924.0 / 1.43	645 / 1.0	76.5 / 51.4	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 200.300, ... F	924.0 / 1.43	645 / 1.0	76.5 / 51.4	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 200.400, ... F	924.0 / 1.43	645 / 1.0	76.5 / 51.4	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 200.500, ... F	924.0 / 1.43	645 / 1.0	76.5 / 51.4	6 / 19.7	8C, 12C, 16B, D, 20A
WRLX / WRUX 200.600, ... F	924.0 / 1.43	645 / 1.0	76.5 / 51.4	6 / 19.7	8C, 12C, 16B, D, 20A

# LONG SPAN CABLE TRAY

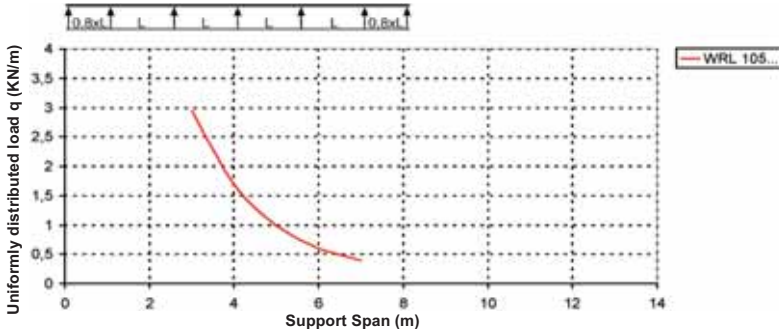
## Long Span Cable Tray

model no.	height (H)	width B	thickness (t)	delivery length	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch	m		
S WRL 105.200	105/4,1	200/7,8	1,5	6	310708	644
S WRL 105.300	105/4,1	300/11,7	1,5	6	310807	709
S WRL 105.400	105/4,1	400/15,6	1,5	6	310906	774
S WRL 105.500	105/4,1	500/19,5	1,5	6	311002	839
S WRL 105.600	105/4,1	600/23,4	1,5	6	311101	904
F WRL 105.200 F	105/4,1	200/7,8	1,5	6	587803	644
F WRL 105.300 F	105/4,1	300/11,7	1,5	6	587902	709
F WRL 105.400 F	105/4,1	400/15,6	1,5	6	588008	774
F WRL 105.500 F	105/4,1	500/19,5	1,5	6	588107	839
F WRL 105.600 F	105/4,1	600/23,4	1,5	6	588206	904
E3 WRL 105.200 E3	105/4,1	200/7,8	1,5	6	724802	644
E3 WRL 105.300 E3	105/4,1	300/11,7	1,5	6	724826	709
E3 WRL 105.400 E3	105/4,1	400/15,6	1,5	6	724840	774
E3 WRL 105.500 E3	105/4,1	500/19,5	1,5	6	724864	839
E3 WRL 105.600 E3	105/4,1	600/23,4	1,5	6	724888	910

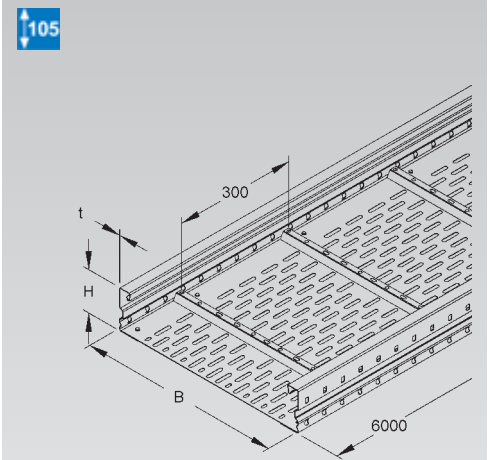
perforated side rails with reinforcing fins, perforated bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width  $\geq$  400 mm) also available in 3 meter length (same price per meter)

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



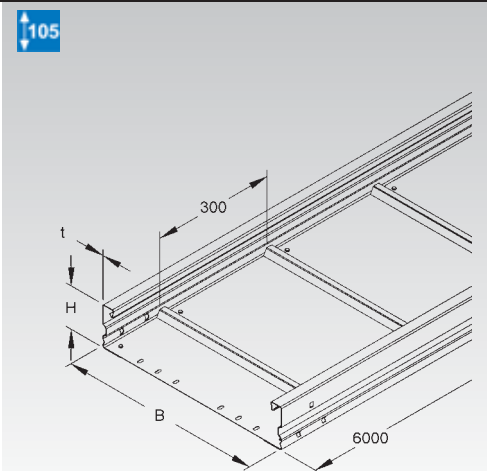
## Long Span Cable Tray

solid

model no.	height (H)	width B	thickness (t)	delivery length	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch	mm/Inch	m		
S WRU 105.200	105/4,1	200/7,8	1,5	6	311200	672
S WRU 105.300	105/4,1	300/11,7	1,5	6	311309	750
S WRU 105.400	105/4,1	400/15,6	1,5	6	311408	829
S WRU 105.500	105/4,1	500/19,5	1,5	6	311507	907
S WRU 105.600	105/4,1	600/23,4	1,5	6	311606	985
F WRU 105.200 F	105/4,1	200/7,8	1,5	6	588305	672
F WRU 105.300 F	105/4,1	300/11,7	1,5	6	588404	750
F WRU 105.400 F	105/4,1	400/15,6	1,5	6	588503	829
F WRU 105.500 F	105/4,1	500/19,5	1,5	6	588602	907
F WRU 105.600 F	105/4,1	600/23,4	1,5	6	588701	985

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width  $\geq$  400 mm) also available in 3 meter length (same price per meter)





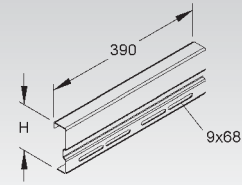
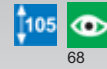
### Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSV 105.390	106,5/4,2	390/15,2	4 FLM 8x13 F	301959	118,5
<b>F</b> WSV 105.390 F	106,5/4,2	390/15,2	4 FLM 8x13 F	302055	121,5
<b>E3</b> WSV 105.390 E3	106,5/4,2	390/15,2	4 FLM 8x16 E3	340132	80

for positive locking connections of long span trays and ladders with proper electrical conductivity

#### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



### Adjustable Splice Plate

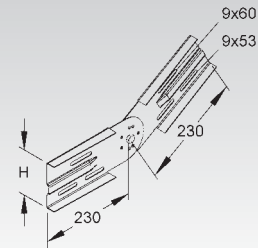
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSGV 105	106,5/4,2	6 FLM 8x13 F	305100	100
<b>F</b> WSGV 105 F	106,5/4,2	6 FLM 8x13 F	590308	100
<b>E3</b> WSGV 105 E3	106,5/4,2	6 FLM 8x16 E3	725304	100

for making vertical bends for long span trays and ladders, side rail height 105 mm

#### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



### Adjustable Splice Plate

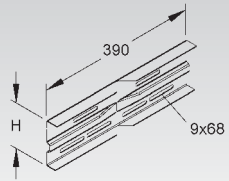
horizontal

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSWV 105.390	106,5/4,2	390/15,2	6 FLM 8x13 F	305377	93
<b>F</b> WSWV 105.390 F	106,5/4,2	390/15,2	6 FLM 8x13 F	590452	93
<b>E3</b> WSWV 105.390E3	106,5/4,2	390/15,2	6 FLM 8x16 E3	725458	93

for making horizontal elbows for long span trays and ladders, side rail height 105 mm

#### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

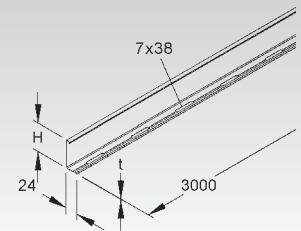
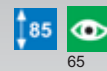


### Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 85	80/3,1	0,9	4 FLM 6x12	237609	92
<b>F</b> RW 85 F	80/3,1	0,9	4 FLM 6x12 F	237708	92
<b>E3</b> RW 85 E3	80/3,1	0,9	4 FLM 6x12 E3	333424	92

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

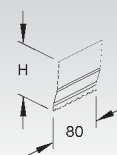


### Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 85 E2	79,5/3,1	80/3,1	237753	2

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.





# LONG SPAN CABLE TRAY

## Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 16	FK 6x10, GSM 406	289707	2,4
<b>F</b> KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5
<b>E3</b> KLWC 16 E3	FK 6x10 E3, GSM 406 E3	341641	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

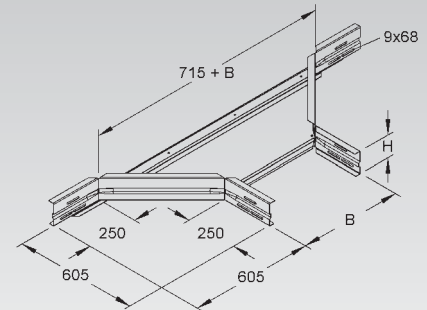
To be used for: barrier strip RW...

insertable at any position of the rail



## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WRTA 105.200	105/4,1	205/8	12 FLM 8x13 F	905508	970
<b>S</b> WRTA 105.300	105/4,1	305/11,9	12 FLM 8x13 F	905515	1030
<b>S</b> WRTA 105.400	105/4,1	405/15,8	12 FLM 8x13 F	905522	1090
<b>S</b> WRTA 105.500	105/4,1	505/19,7	12 FLM 8x13 F	905539	1150
<b>S</b> WRTA 105.600	105/4,1	605/23,6	12 FLM 8x13 F	905546	1210
<b>F</b> WRTA 105.200 F	105/4,1	205/8	12 FLM 8x13 F	906000	970
<b>F</b> WRTA 105.300 F	105/4,1	305/11,9	12 FLM 8x13 F	906017	1030
<b>F</b> WRTA 105.400 F	105/4,1	405/15,8	12 FLM 8x13 F	906024	1090
<b>F</b> WRTA 105.500 F	105/4,1	505/19,7	12 FLM 8x13 F	906031	1150
<b>F</b> WRTA 105.600 F	105/4,1	605/23,6	12 FLM 8x13 F	906048	1210
<b>E3</b> WRTA 105.200E3	105/4,1	205/8	12 FLM 8x16 E3	905652	970
<b>E3</b> WRTA 105.300E3	105/4,1	305/11,9	12 FLM 8x16 E3	905669	1030
<b>E3</b> WRTA 105.400E3	105/4,1	405/15,8	12 FLM 8x16 E3	905676	1090
<b>E3</b> WRTA 105.500E3	105/4,1	505/19,7	12 FLM 8x16 E3	905683	1150
<b>E3</b> WRTA 105.600E3	105/4,1	605/23,6	12 FLM 8x16 E3	905690	1210



solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

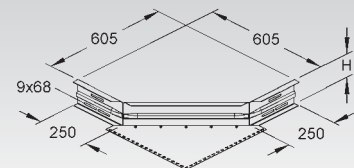
## Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WAE 105	106,5/4,2	6 FLM 8x13 F	318131	320
<b>F</b> WAE 105 F	106,5/4,2	6 FLM 8x13 F	595730	320
<b>E3</b> WAE 105 E3	106,5/4,2	6 FLM 8x16 E3	846207	320

solid side rail with reinforcing fins, perforated for splices

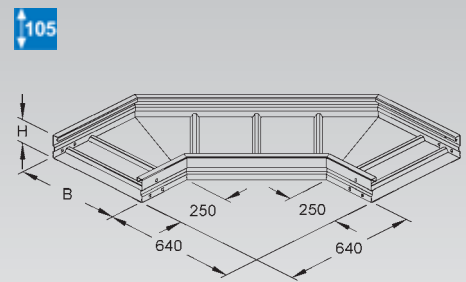
The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings



## Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRB 105.200	105/4,1	200/7,8	311705	820
S WRB 105.300	105/4,1	300/11,7	311804	970
S WRB 105.400	105/4,1	400/15,6	311903	1150
S WRB 105.500	105/4,1	500/19,5	312009	1350
S WRB 105.600	105/4,1	600/23,4	312108	1530
F WRB 105.200 F	105/4,1	200/7,8	588800	820
F WRB 105.300 F	105/4,1	300/11,7	588909	970
F WRB 105.400 F	105/4,1	400/15,6	589005	1150
F WRB 105.500 F	105/4,1	500/19,5	589104	1350
F WRB 105.600 F	105/4,1	600/23,4	589203	1530
E3 WRB 105.200 E3	105/4,1	200/7,8	724901	820
E3 WRB 105.300 E3	105/4,1	300/11,7	724925	970
E3 WRB 105.400 E3	105/4,1	400/15,6	724949	1150
E3 WRB 105.500 E3	105/4,1	500/19,5	724963	1350
E3 WRB 105.600 E3	105/4,1	600/23,4	724987	1530



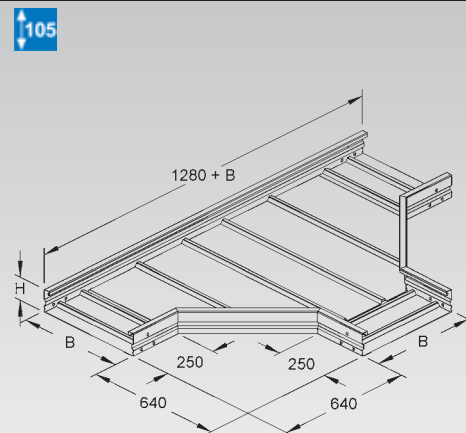
solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.

## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRT 105.200	105/4,1	200/7,8	312207	1580
S WRT 105.300	105/4,1	300/11,7	312306	1790
S WRT 105.400	105/4,1	400/15,6	312405	2030
S WRT 105.500	105/4,1	500/19,5	312504	2270
S WRT 105.600	105/4,1	600/23,4	312603	2540
F WRT 105.200 F	105/4,1	200/7,8	589302	1580
F WRT 105.300 F	105/4,1	300/11,7	589401	1790
F WRT 105.400 F	105/4,1	400/15,6	589500	2030
F WRT 105.500 F	105/4,1	500/19,5	589609	2270
F WRT 105.600 F	105/4,1	600/23,4	589708	2540
E3 WRT 105.200 E3	105/4,1	200/7,8	725007	1580
E3 WRT 105.300 E3	105/4,1	300/11,7	725021	1790
E3 WRT 105.400 E3	105/4,1	400/15,6	725045	2030
E3 WRT 105.500 E3	105/4,1	500/19,5	725069	2270
E3 WRT 105.600 E3	105/4,1	600/23,4	725083	2540



solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.

# LONG SPAN CABLE TRAY

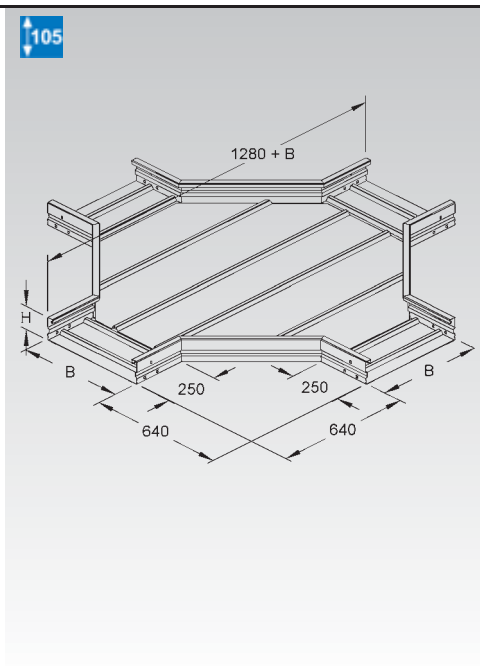
## Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> WRK 105.200	105/4,1	200/7,8	312702	2160
<b>S</b> WRK 105.300	105/4,1	300/11,7	312801	2400
<b>S</b> WRK 105.400	105/4,1	400/15,6	312900	2650
<b>S</b> WRK 105.500	105/4,1	500/19,5	313006	2920
<b>S</b> WRK 105.600	105/4,1	600/23,4	313105	3210
<b>F</b> WRK 105.200 F	105/4,1	200/7,8	589807	2160
<b>F</b> WRK 105.300 F	105/4,1	300/11,7	589906	2400
<b>F</b> WRK 105.400 F	105/4,1	400/15,6	590001	2650
<b>F</b> WRK 105.500 F	105/4,1	500/19,5	590100	2920
<b>F</b> WRK 105.600 F	105/4,1	600/23,4	590209	3210
<b>E3</b> WRK 105.200 E3	105/4,1	200/7,8	725106	2160
<b>E3</b> WRK 105.300 E3	105/4,1	300/11,7	725120	2400
<b>E3</b> WRK 105.400 E3	105/4,1	400/15,6	725144	2650
<b>E3</b> WRK 105.500 E3	105/4,1	500/19,5	725168	2920
<b>E3</b> WRK 105.600 E3	105/4,1	600/23,4	725182	3210

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.



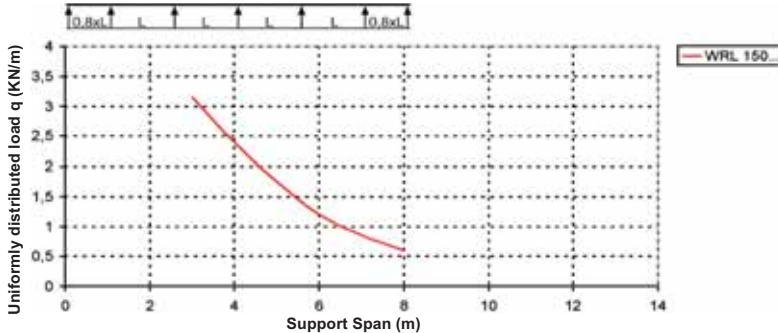
## Long Span Cable Tray

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WRL 150.200	150/5,8	200/7,8	1,5	6	313204	750
S WRL 150.300	150/5,8	300/11,7	1,5	6	313303	815
S WRL 150.400	150/5,8	400/15,6	1,5	6	313402	880
S WRL 150.500	150/5,8	500/19,5	1,5	6	313501	945
S WRL 150.600	150/5,8	600/23,4	1,5	6	313600	1010
F WRL 150.200 F	150/5,8	200/7,8	1,5	6	590506	750
F WRL 150.300 F	150/5,8	300/11,7	1,5	6	590605	815
F WRL 150.400 F	150/5,8	400/15,6	1,5	6	590704	880
F WRL 150.500 F	150/5,8	500/19,5	1,5	6	590803	945
F WRL 150.600 F	150/5,8	600/23,4	1,5	6	590902	1010
E3 WRL 150.200 E3	150/5,8	200/7,8	1,5	6	725502	750
E3 WRL 150.300 E3	150/5,8	300/11,7	1,5	6	725526	815
E3 WRL 150.400 E3	150/5,8	400/15,6	1,5	6	725540	880
E3 WRL 150.500 E3	150/5,8	500/19,5	1,5	6	725564	945
E3 WRL 150.600 E3	150/5,8	600/23,4	1,5	6	725588	1010

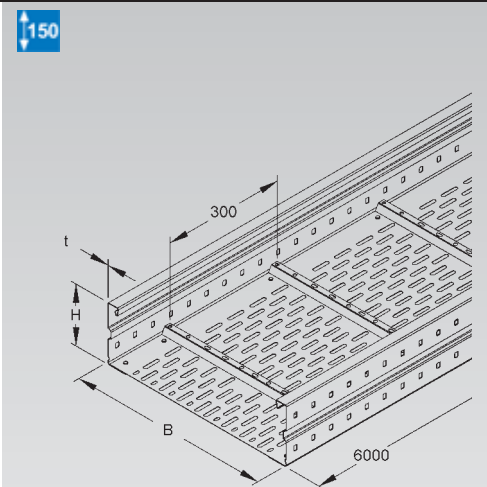
perforated side rails with reinforcing fins, perforated bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width  $\geq$  400 mm) also available in 3 meter length (same price per meter)

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



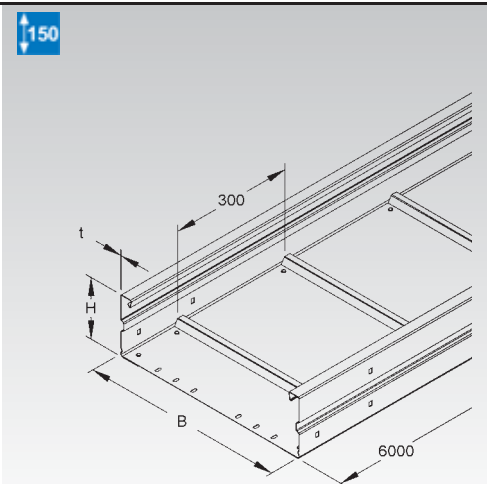
## Long Span Cable Tray

solid

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WRU 150.200	150/5,8	200/7,8	1,5	6	313709	777
S WRU 150.300	150/5,8	300/11,7	1,5	6	313808	855
S WRU 150.400	150/5,8	400/15,6	1,5	6	313907	934
S WRU 150.500	150/5,8	500/19,5	1,5	6	314003	1014
S WRU 150.600	150/5,8	600/23,4	1,5	6	314102	1092
F WRU 150.200 F	150/5,8	200/7,8	1,5	6	591008	777
F WRU 150.300 F	150/5,8	300/11,7	1,5	6	591107	855
F WRU 150.400 F	150/5,8	400/15,6	1,5	6	591206	934
F WRU 150.500 F	150/5,8	500/19,5	1,5	6	591305	1014
F WRU 150.600 F	150/5,8	600/23,4	1,5	6	591404	1092

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width  $\geq$  400 mm) also available in 3 meter length (same price per meter)



# LONG SPAN CABLE TRAY

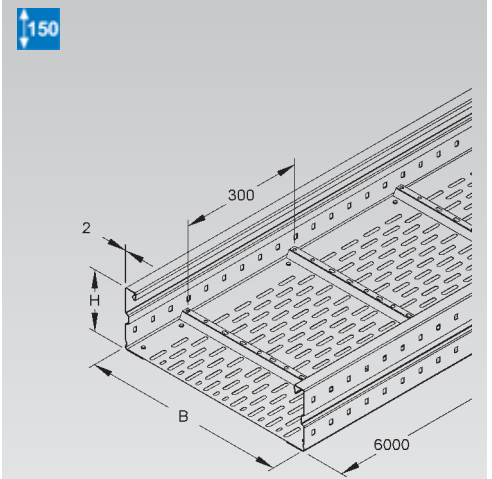
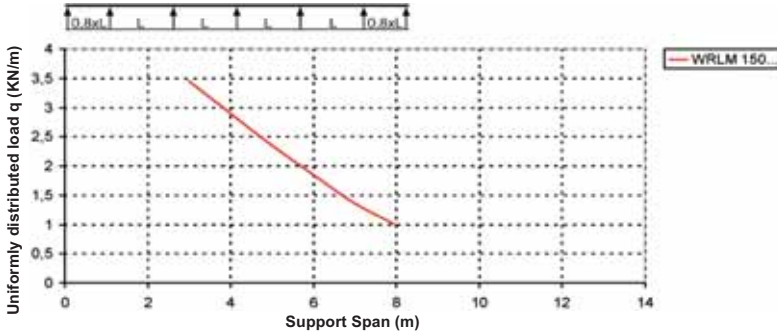
## Long Span Cable Tray

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
★ S WRLM 150.200	150/5,8	200/7,8	2	6	893300	950
★ S WRLM 150.300	150/5,8	300/11,7	2	6	893317	1015
★ S WRLM 150.400	150/5,8	400/15,6	2	6	893324	1080
★ S WRLM 150.500	150/5,8	500/19,5	2	6	893331	1145
★ S WRLM 150.600	150/5,8	600/23,4	2	6	893348	1210
★ F WRLM 150.200 F	150/5,8	200/7,8	2	6	893355	950
★ F WRLM 150.300 F	150/5,8	300/11,7	2	6	893362	1015
★ F WRLM 150.400 F	150/5,8	400/15,6	2	6	893379	1080
★ F WRLM 150.500 F	150/5,8	500/19,5	2	6	893386	1145
★ F WRLM 150.600 F	150/5,8	600/23,4	2	6	893393	1210

perforated medium duty side rails with reinforcing fins, perforated bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width >= 400 mm) also available in 3 meter length (same price per meter)

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



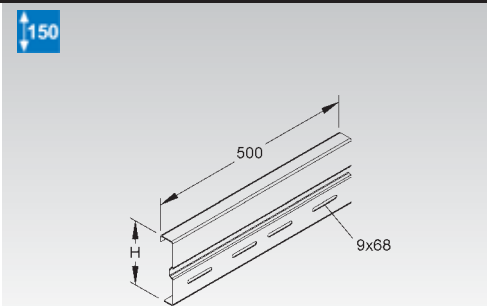
## Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ S WSV 150.500	151,5/5,9	500/19,5	4 FLM 8x13 F	301706	180
★ F WSV 150.500 F	151,5/5,9	500/19,5	4 FLM 8x13 F	301805	180
★ E3 WSV 150.500 E3	151,5/5,9	500/19,5	4 FLM 8x16 E3	340149	180

for positive locking connections of long span trays and ladders with proper electrical conductivity

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

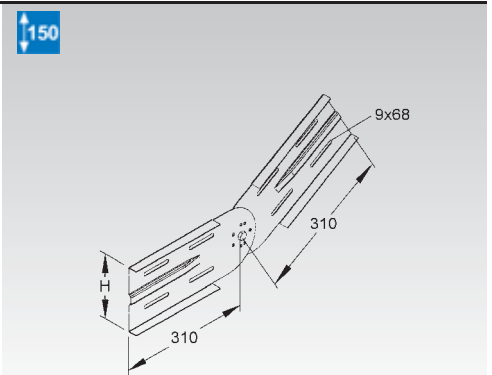
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
★ S WSGV 150	151,5/5,9	6 FLM 8x13 F	305209	180
★ F WSGV 150 F	151,5/5,9	6 FLM 8x13 F	593002	180
★ E3 WSGV 150 E3	151,5/5,9	6 FLM 8x16 E3	726004	180

for making vertical bends for long span trays and ladders, side rail height 150 mm

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..





## Adjustable Splice Plate

horizontal

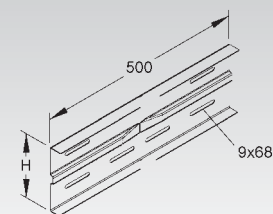
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSWV 150	151,5/5,9	500/19,5	6 FLM 8x13 F	305407	180
<b>F</b> WSWV 150 F	151,5/5,9	500/19,5	6 FLM 8x13 F	593101	180
<b>E3</b> WSWV 150 E3	151,5/5,9	500/19,5	6 FLM 8x16 E3	726103	180

for making horizontal elbows for long span trays and ladders, side rail height 150 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

150



## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 110	98/3,8	0,9	4 FLM 6x12	251001	90
<b>F</b> RW 110 F	98/3,8	0,9	4 FLM 6x12 F	251100	90
<b>FD</b> RW 110 FD	98/3,8	0,9	4 FLM 6x12 F	251117	90
<b>E3</b> RW 110 E3	98/3,8	0,9	4 FLM 6x12 E3	333509	92

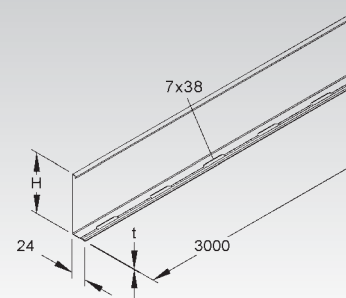
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

110



65



## Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

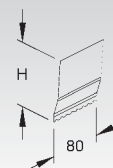
Barrier strips are connected by means of a special splice plate.



110



65



## Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 16	FK 6x10, GSM 406	289707	2,4
<b>F</b> KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5
<b>E3</b> KLWC 16 E3	FK 6x10 E3, GSM 406 E3	341641	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



65



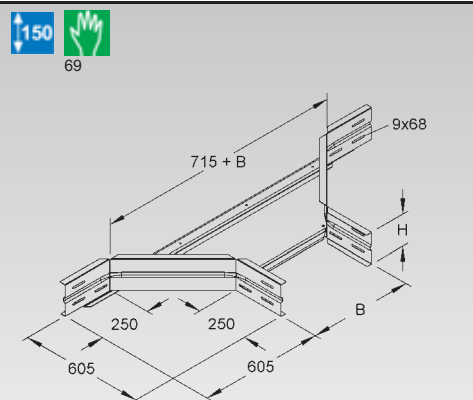
# LONG SPAN CABLE TRAY

## Extension Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WRTA 150.200	150/5,8	205/8	12 FLM 8x13 F	905553	970
S	WRTA 150.300	150/5,8	305/11,9	12 FLM 8x13 F	905560	1030
S	WRTA 150.400	150/5,8	405/15,8	12 FLM 8x13 F	905577	1090
S	WRTA 150.500	150/5,8	505/19,7	12 FLM 8x13 F	905584	1150
S	WRTA 150.600	150/5,8	605/23,6	12 FLM 8x13 F	905591	1210
F	WRTA 150.200 F	150/5,8	205/8	12 FLM 8x13 F	906055	1020
F	WRTA 150.300 F	150/5,8	305/11,9	12 FLM 8x13 F	906062	1080
F	WRTA 150.400 F	150/5,8	405/15,8	12 FLM 8x13 F	906079	1140
F	WRTA 150.500 F	150/5,8	505/19,7	12 FLM 8x13 F	906086	1200
F	WRTA 150.600 F	150/5,8	605/23,6	12 FLM 8x13 F	906093	1260
★	E3 WRTA 150.200E3	150/5,8	205/8	12 FLM 8x16 E3	905706	1020
★	E3 WRTA 150.300E3	150/5,8	305/11,9	12 FLM 8x16 E3	905713	1080
★	E3 WRTA 150.400E3	150/5,8	405/15,8	12 FLM 8x16 E3	905720	1140
★	E3 WRTA 150.500E3	150/5,8	500/19,5	12 FLM 8x16 E3	905737	1200
★	E3 WRTA 150.600E3	150/5,8	605/23,6	12 FLM 8x16 E3	905744	1260

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.



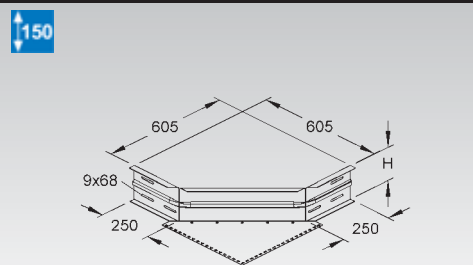
## Extension Horizontal Elbow

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WAE 150	151,5/5,9	6 FLM 8x13 F	318162	340
F	WAE 150 F	151,5/5,9	6 FLM 8x13 F	595761	340
E3	WAE 150 E3	151,5/5,9	6 FLM 8x16 E3	846252	340

solid side rail with reinforcing fins, perforated for splices

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings



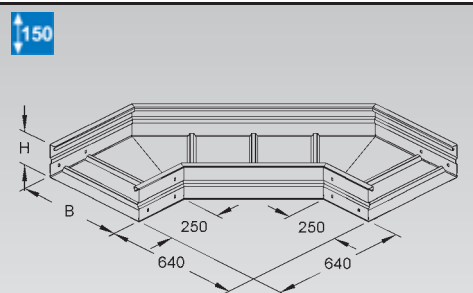
## Elbow 90°

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	WRB 150.200	150/5,8	200/7,8	314201	950
S	WRB 150.300	150/5,8	300/11,7	314300	1120
S	WRB 150.400	150/5,8	400/15,6	314409	1290
S	WRB 150.500	150/5,8	500/19,5	314508	1500
S	WRB 150.600	150/5,8	600/23,4	314607	1690
F	WRB 150.200 F	150/5,8	200/7,8	591503	950
F	WRB 150.300 F	150/5,8	300/11,7	591602	1120
F	WRB 150.400 F	150/5,8	400/15,6	591701	1290
F	WRB 150.500 F	150/5,8	500/19,5	591800	1500
F	WRB 150.600 F	150/5,8	600/23,4	591909	1690
E3	WRB 150.200 E3	150/5,8	200/7,8	725601	950
E3	WRB 150.300 E3	150/5,8	300/11,7	725625	1120
E3	WRB 150.400 E3	150/5,8	400/15,6	725649	1290
E3	WRB 150.500 E3	150/5,8	500/19,5	725663	1500
E3	WRB 150.600 E3	150/5,8	600/23,4	725687	1690

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered separately.



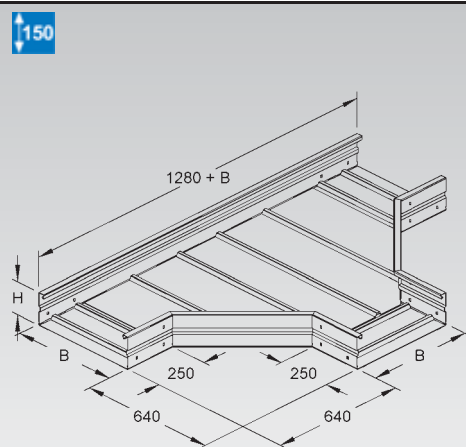
## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRT 150.200	150/5,8	200/7,8	314706	1760
S WRT 150.300	150/5,8	300/11,7	314805	1990
S WRT 150.400	150/5,8	400/15,6	314904	2230
S WRT 150.500	150/5,8	500/19,5	315000	2450
S WRT 150.600	150/5,8	600/23,4	315109	2750
F WRT 150.200 F	150/5,8	200/7,8	592005	1760
F WRT 150.300 F	150/5,8	300/11,7	592104	1990
F WRT 150.400 F	150/5,8	400/15,6	592203	2230
F WRT 150.500 F	150/5,8	500/19,5	592302	2450
F WRT 150.600 F	150/5,8	600/23,4	592401	2750
E3 WRT 150.200 E3	150/5,8	200/7,8	725700	1760
E3 WRT 150.300 E3	150/5,8	300/11,7	725724	1990
E3 WRT 150.400 E3	150/5,8	400/15,6	725748	2230
E3 WRT 150.500 E3	150/5,8	500/19,5	725762	2450
E3 WRT 150.600 E3	150/5,8	600/23,4	725786	2750

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered separately.



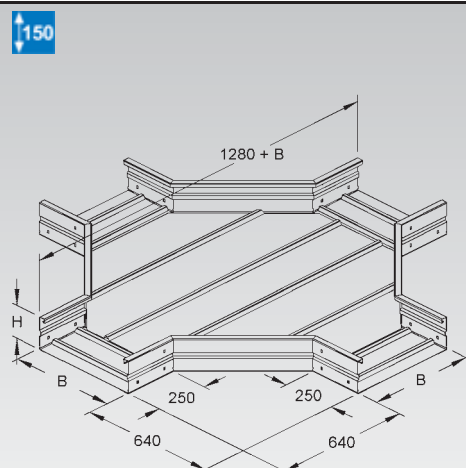
## Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRK 150.200	150/5,8	200/7,8	315208	2380
S WRK 150.300	150/5,8	300/11,7	315307	2620
S WRK 150.400	150/5,8	400/15,6	315406	2870
S WRK 150.500	150/5,8	500/19,5	315505	3140
S WRK 150.600	150/5,8	600/23,4	315604	3430
F WRK 150.200 F	150/5,8	200/7,8	592500	2380
F WRK 150.300 F	150/5,8	300/11,7	592609	2620
F WRK 150.400 F	150/5,8	400/15,6	592708	2870
F WRK 150.500 F	150/5,8	500/19,5	592807	3140
F WRK 150.600 F	150/5,8	600/23,4	592906	3430
E3 WRK 150.200 E3	150/5,8	200/7,8	725809	2380
E3 WRK 150.300 E3	150/5,8	300/11,7	725823	2620
E3 WRK 150.400 E3	150/5,8	400/15,6	725847	2870
E3 WRK 150.500 E3	150/5,8	500/19,5	725861	3140
E3 WRK 150.600 E3	150/5,8	600/23,4	725885	3430

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered separately.



# LONG SPAN CABLE TRAY

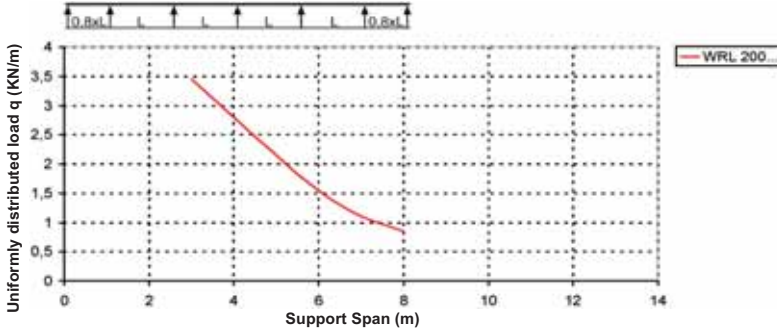
## Long Span Cable Tray

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WRL 200.200	200/7,8	200/7,8	1,5	6	315703	870
S WRL 200.300	200/7,8	300/11,7	1,5	6	315802	935
S WRL 200.400	200/7,8	400/15,6	1,5	6	315901	1000
S WRL 200.500	200/7,8	500/19,5	1,5	6	316007	1065
S WRL 200.600	200/7,8	600/23,4	1,5	6	316106	1130
F WRL 200.200 F	200/7,8	200/7,8	1,5	6	593200	870
F WRL 200.300 F	200/7,8	300/11,7	1,5	6	593309	935
F WRL 200.400 F	200/7,8	400/15,6	1,5	6	593408	1000
F WRL 200.500 F	200/7,8	500/19,5	1,5	6	593507	1065
F WRL 200.600 F	200/7,8	600/23,4	1,5	6	593606	1130

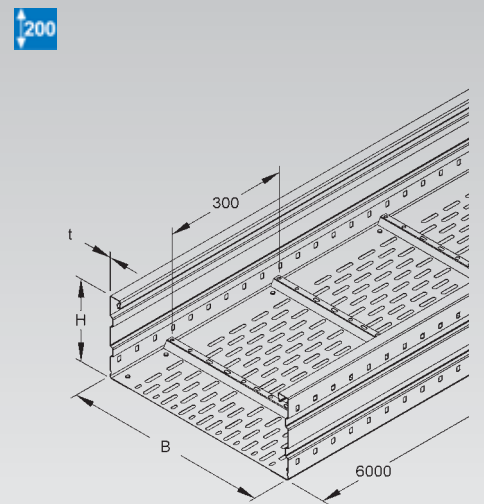
perforated side rails with reinforcing fins, perforated bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width >= 400 mm) also available in 3 meter length (same price per meter)

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



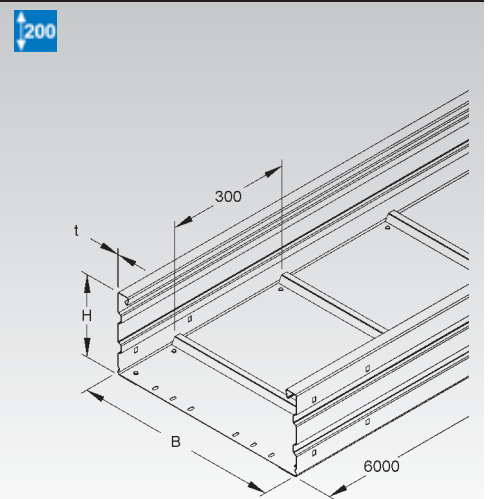
## Long Span Cable Tray

solid

model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WRU 200.200	200/7,8	200/7,8	1,5	6	316205	897
S WRU 200.300	200/7,8	300/11,7	1,5	6	316304	975
S WRU 200.400	200/7,8	400/15,6	1,5	6	316403	1054
S WRU 200.500	200/7,8	500/19,5	1,5	6	316502	1134
S WRU 200.600	200/7,8	600/23,4	1,5	6	316601	1204
F WRU 200.200 F	200/7,8	200/7,8	1,5	6	593705	897
F WRU 200.300 F	200/7,8	300/11,7	1,5	6	593804	975
F WRU 200.400 F	200/7,8	400/15,6	1,5	6	593903	1054
F WRU 200.500 F	200/7,8	500/19,5	1,5	6	594009	1134
F WRU 200.600 F	200/7,8	600/23,4	1,5	6	594108	1204

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

A bottom connection plate RSL... is included with every straight section of tray (width >= 400 mm) also available in 3 meter length (same price per meter)



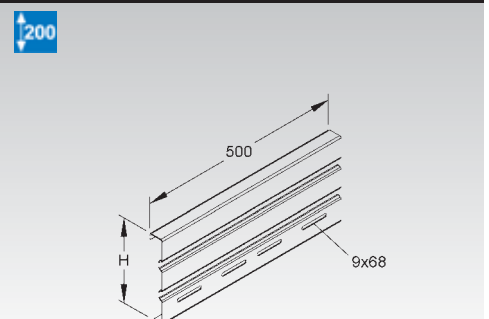
## Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSV 200.500	201,5/7,9	500/19,5	4 FLM 8x13 F	306107	220
F WSV 200.500 F	201,5/7,9	500/19,5	4 FLM 8x13 F	594207	220

for positive locking connections of long span trays and ladders with proper electrical conductivity

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

vertical

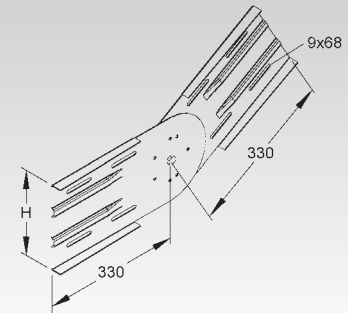
model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSGV 200	201,5/7,9	6 FLM 8x13 F	307708	285
<b>F</b> WSGV 200 F	201,5/7,9	6 FLM 8x13 F	595808	220

for making vertical bends for long span trays and ladders, side rail height 200 mm

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

200



## Adjustable Splice Plate

horizontal

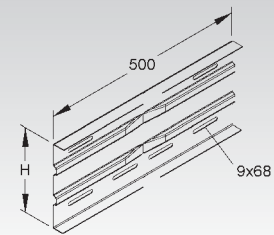
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSWV 200	201,5/7,9	500/19,5	6 FLM 8x13 F	307807	161,5
<b>F</b> WSWV 200 F	201,5/7,9	500/19,5	6 FLM 8x13 F	595907	220

for making horizontal elbows for long span trays and ladders, side rail height 200 mm

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

200



## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 110	98/3,8	0,9	4 FLM 6x12	251001	90
<b>F</b> RW 110 F	98/3,8	0,9	4 FLM 6x12 F	251100	90

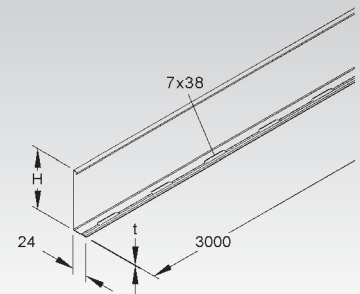
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

110



65



## Splice Plate for Barrier Strip

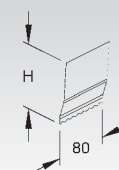
model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



65



## Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 16	FK 6x10, GSM 406	289707	2,4
<b>F</b> KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



65





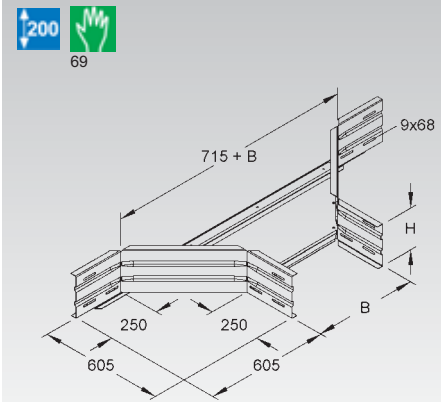
# LONG SPAN CABLE TRAY

## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WRTA 200.200	200/7,8	205/8	12 FLM 8x13 F	905607	1170
S WRTA 200.300	200/7,8	305/11,9	12 FLM 8x13 F	905614	1230
S WRTA 200.400	200/7,8	405/15,8	12 FLM 8x13 F	905621	1290
S WRTA 200.500	200/7,8	505/19,7	12 FLM 8x13 F	905638	1350
S WRTA 200.600	200/7,8	605/23,6	12 FLM 8x13 F	905645	1410
F WRTA 200.200 F	200/7,8	205/8	12 FLM 8x13 F	906109	1170
F WRTA 200.300 F	200/7,8	305/11,9	12 FLM 8x13 F	906116	1230
F WRTA 200.400 F	200/7,8	405/15,8	12 FLM 8x13 F	906123	1290
F WRTA 200.500 F	200/7,8	505/19,7	12 FLM 8x13 F	906130	1350
F WRTA 200.600 F	200/7,8	605/23,6	12 FLM 8x13 F	906147	1410

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.



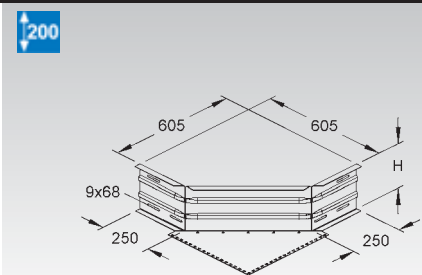
## Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WAE 200	201,5/7,9	6 FLM 8x13 F	318193	410
F WAE 200 F	201,5/7,9	6 FLM 8x13 F	595792	410

solid side rail with reinforcing fins, perforated for splices

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings



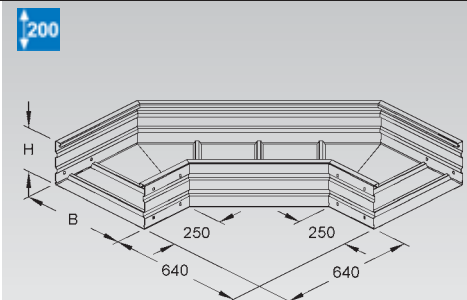
## Elbow 90°

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRB 200.200	200/7,8	200/7,8	316700	1100
S WRB 200.300	200/7,8	300/11,7	316809	1270
S WRB 200.400	200/7,8	400/15,6	316908	1460
S WRB 200.500	200/7,8	500/19,5	317004	1680
S WRB 200.600	200/7,8	600/23,4	317103	1880
F WRB 200.200 F	200/7,8	200/7,8	594306	1100
F WRB 200.300 F	200/7,8	300/11,7	594405	1270
F WRB 200.400 F	200/7,8	400/15,6	594504	1460
F WRB 200.500 F	200/7,8	500/19,5	594603	1680
F WRB 200.600 F	200/7,8	600/23,4	594702	1880

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered separately.



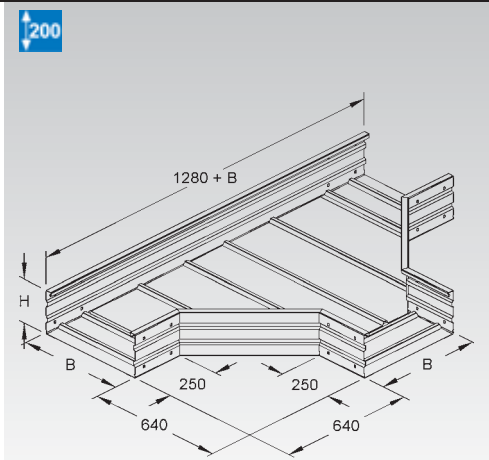
## Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRT 200.200	200/7,8	200/7,8	317202	1980
S WRT 200.300	200/7,8	300/11,7	317301	2210
S WRT 200.400	200/7,8	400/15,6	317400	2460
S WRT 200.500	200/7,8	500/19,5	317509	2710
S WRT 200.600	200/7,8	600/23,4	317608	2980
F WRT 200.200 F	200/7,8	200/7,8	594801	1980
F WRT 200.300 F	200/7,8	300/11,7	594900	2210
F WRT 200.400 F	200/7,8	400/15,6	595006	2460
F WRT 200.500 F	200/7,8	500/19,5	595105	2710
F WRT 200.600 F	200/7,8	600/23,4	595204	2980

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered separately.



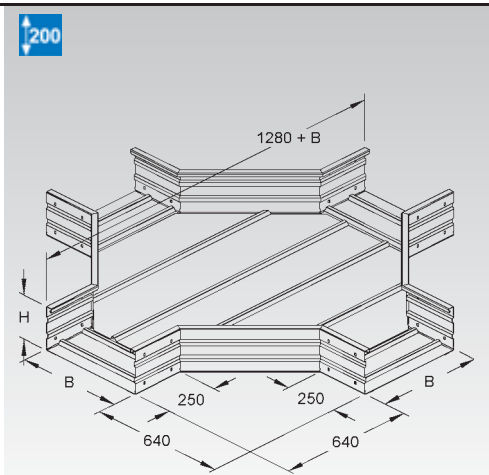
## Horizontal Cross

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WRK 200.200	200/7,8	200/7,8	317707	2630
S WRK 200.300	200/7,8	300/11,7	317806	2870
S WRK 200.400	200/7,8	400/15,6	317905	3120
S WRK 200.500	200/7,8	500/19,5	318001	3390
S WRK 200.600	200/7,8	600/23,4	318100	3680
F WRK 200.200 F	200/7,8	200/7,8	595303	2630
F WRK 200.300 F	200/7,8	300/11,7	595402	2870
F WRK 200.400 F	200/7,8	400/15,6	595501	3120
F WRK 200.500 F	200/7,8	500/19,5	595600	3390
F WRK 200.600 F	200/7,8	600/23,4	595709	3680

solid side rails with reinforcing fins, perforated for splices, solid bottom plate with reinforcing fins in transverse direction

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered separately.



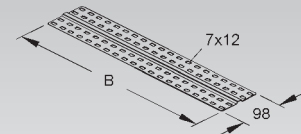
# LONG SPAN CABLE TRAY ACCESSORIES

## Bottom Connection Plate

for additional requirements

model no.	width B	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
S RSL 400	389/15,2	4 FLM 6x12	305445	27
S RSL 500	489/19,1	4 FLM 6x12	305469	34
S RSL 600	589/23	4 FLM 6x12	305483	41
F RSL 400 F	389/15,2	4 FLM 6x12 F	593149	27
F RSL 500 F	489/19,1	4 FLM 6x12 F	424214	34
F RSL 600 F	589/23	4 FLM 6x12 F	593187	41
E3 RSL 400 E3	389/15,2	4 FLM 6x12 E3	726202	25
E3 RSL 500 E3	489/19,1	4 FLM 6x12 E3	726301	35
E3 RSL 600 E3	589/23	4 FLM 6x12 E3	726400	35

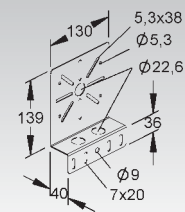
for stabilizing the bottom plate of long span cable trays starting at 400 mm width



## Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
S RMP 130	2 FLM 6x12	206148	50
F RMP 130 F	2 FLM 6x12 F	206162	50
E3 RMP 130 E3	2 FLM 6x12 E3	769728	30,5

for mounting distribution or junction boxes

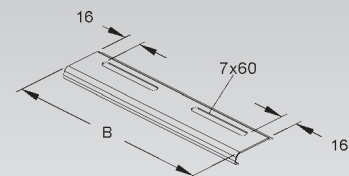


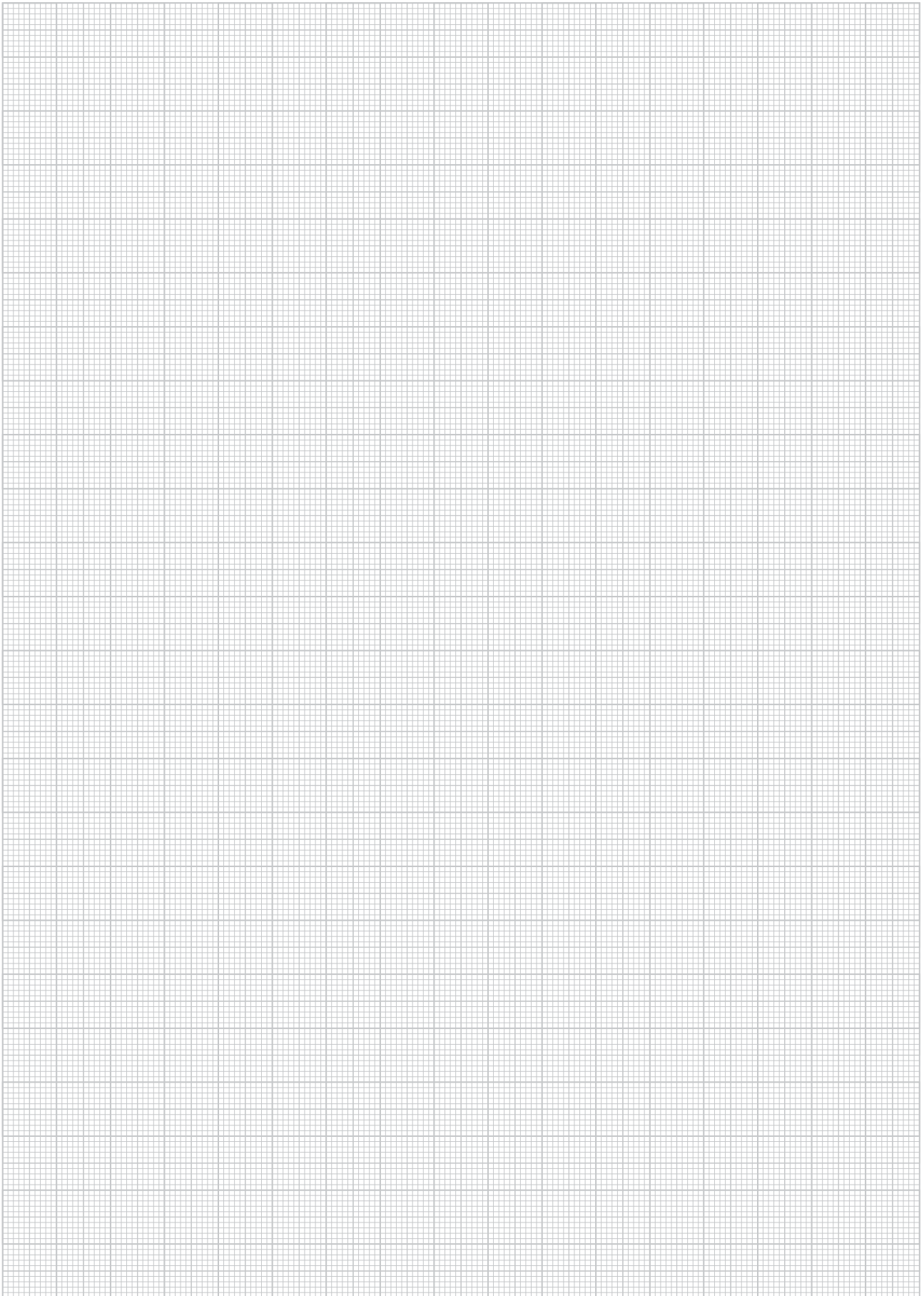
## Edge Protection Plate

model no.	width B	acc. incl.	EAN code	Weight per 100 pc. kg
	mm/Inch			
S RKB 200	192/7,5	2 FLM 6x12	270408	10
S RKB 300	292/11,4	2 FLM 6x12	270606	15
S RKB 400	392/15,3	2 FLM 6x12	270705	20
S RKB 500	492/19,2	2 FLM 6x12	270804	25
S RKB 600	592/23,1	2 FLM 6x12	271009	31
F RKB 200 F	192/7,5	2 FLM 6x12 F	563708	10
F RKB 300 F	292/11,4	2 FLM 6x12 F	563906	15
F RKB 400 F	392/15,3	2 FLM 6x12 F	564002	20
F RKB 500 F	492/19,2	2 FLM 6x12 F	564101	25
F RKB 600 F	592/23,1	2 FLM 6x12 F	564309	31
E3 RKB 200 E3	192/7,5	2 FLM 6x12 E3	335602	10
E3 RKB 300 E3	292/11,4	2 FLM 6x12 E3	335701	15
E3 RKB 400 E3	392/15,3	2 FLM 6x12 E3	335800	20
E3 RKB 500 E3	492/19,2	2 FLM 6x12 E3	335909	25
E3 RKB 600 E3	592/23,1	2 FLM 6x12 E3	336104	30

to reinforce the bottom of cable trays with rounded edges to protect cables at the joint

To prevent accidents and injuries you must install edge protection plates! Hole pattern may vary based on width of tray. You will find more detailed information in the installation instructions.





# LONG SPAN CABLE LADDER

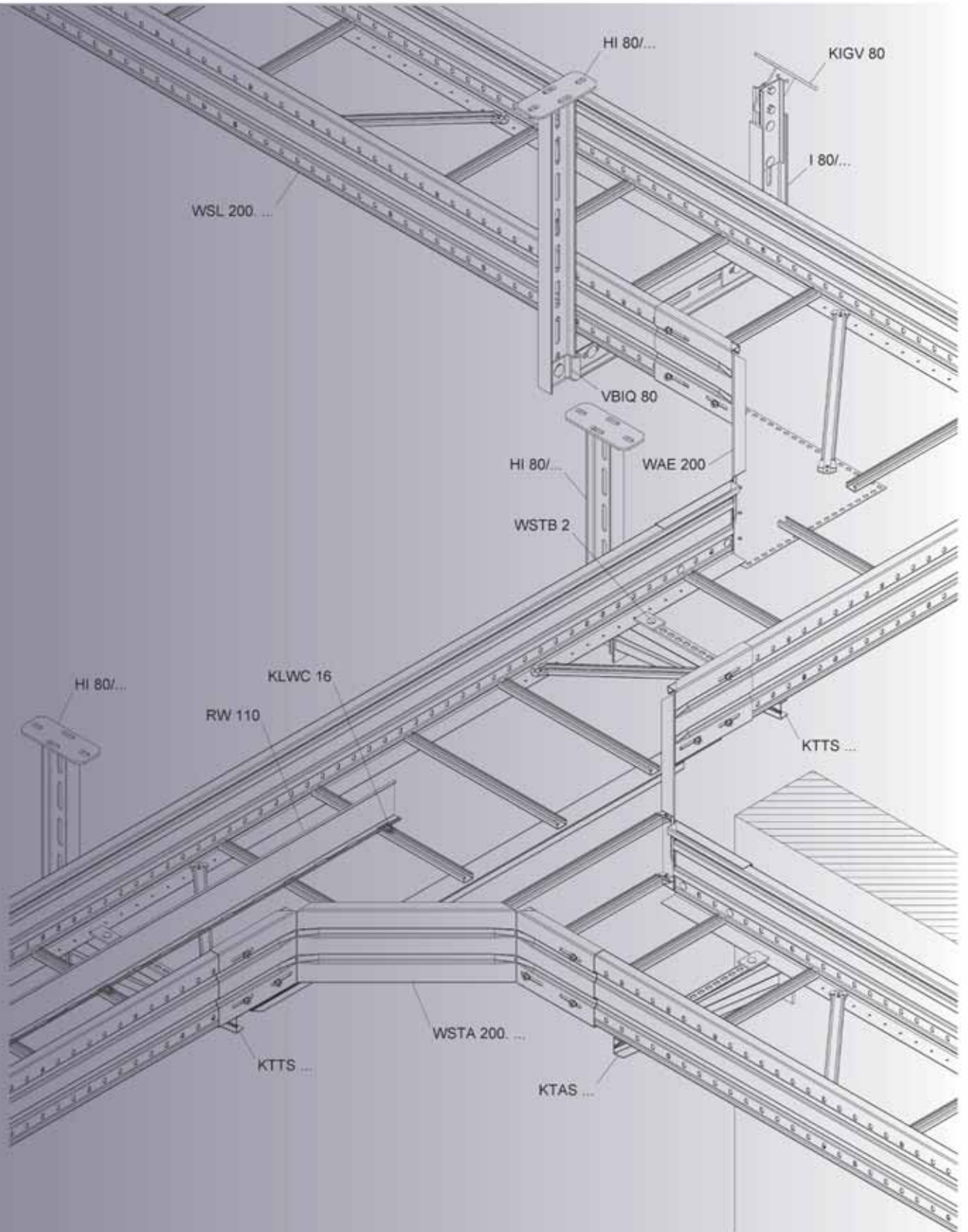
## Available Side Rail Heights

SYSTEM		105	150	200
Long-Span Cable Tray, light version, ventilated	<b>WSL</b>	Page 329	Page 333	Page 338
Long-Span Cable Tray, ventilated	<b>WSLM</b>	—	Page 334	—
Splice Plate	<b>WSV</b>	Page 329	Page 334	Page 338
Adjustable Splice Plate, vertical	<b>WSGV</b>	Page 329	Page 334	Page 338
Adjustable Splice Plate, horizontal	<b>WSWV</b>	Page 330	Page 335	Page 339
Barrier Strip	<b>RW</b>	Page 330	Page 335	Page 341
Splice Plate for Barrier Strip	<b>RTV</b>	Page 330	Page 335	Page 342
Mounting Clamp for Barrier Strip	<b>KLWC 16</b>	Page 330	Page 335	Page 342
Extension Horizontal Tee	<b>WSTA</b>	Page 331	Page 336	Page 339
Extension Horizontal Elbow	<b>WAE</b>	Page 331	Page 336	Page 339
Elbow 90°	<b>WSB</b>	Page 331	Page 336	Page 339
Horizontal Tee	<b>WST</b>	Page 332	Page 337	Page 340
Horizontal Cross	<b>WSK</b>	Page 332	Page 337	Page 340
Long-Span Cable Tray, heavy duty version	<b>WSLS</b>	—	—	Page 340
Splice Plate	<b>WSVS</b>	—	—	Page 341
Adjustable Splice Plate, vertical	<b>WSGVS</b>	—	—	Page 341
Adjustable Splice Plate, horizontal	<b>WSWVS</b>	—	—	Page 341
Elbow 90°	<b>WSBS</b>	—	—	Page 342
Bottom Plates, ventilated	<b>WBL</b>	Page 343*		
Sloped Sliding Nut	<b>GSF</b>	Page 343*		
Slotted Cheese Had Bolt, M6 Size	<b>Z M6x10</b>	Page 344*		
Ladder Drop-Out	<b>WLAB</b>	Page 344*		
Mounting Plate	<b>RMP 130</b>	Page 344*		
Fixing Device for Long-Span Cable Ladders	<b>WSTB 2</b>	Page 344*		
Wall Support, symmetric	<b>WWU 150/8</b>	Page 344*		
Wall Support, asymmetric	<b>WWA 100</b>	Page 345*		
Cover for Long-Span Cable Trays/Ladders	<b>WDV</b>	Page 343*		
Turn-Bolt Lock	<b>WDRS 20</b>	Page 343*		

Support Span L m	WSL 105...		WSL 150...		WSLM 150...		WSL 200...		WSLS 200...	
	q KN/m	F KN	q KN/m	F KN	q KN/m	F KN	q KN/m	F KN	q KN/m	F KN
3	2,95	9,05	3,15	9,70	3,45	10,65	3,45	10,65	-	-
4	1,70	7,05	2,30	9,50	2,60	10,80	2,60	10,80	-	-
5	1,00	5,35	1,45	7,60	2,00	10,50	1,85	9,75	-	-
6	0,60	4,00	0,85	5,55	1,50	9,60	1,20	7,80	3,45	21,60
7	0,40	3,25	0,55	4,35	1,15	8,75	0,80	6,30	2,50	18,55
8	-	-	0,40	3,80	0,90	8,00	0,55	4,40	1,65	14,40
9	-	-	-	-	-	-	-	-	1,15	11,70
10	-	-	-	-	-	-	-	-	0,80	9,50
11	-	-	-	-	-	-	-	-	0,50	7,15
12	-	-	-	-	-	-	-	-	0,35	6,00

\* Usable for all siderail heights      q = Uniformly distributed load      F = Force





# LONG SPAN CABLE LADDER

## Load / Span Class Designation in accordance with NEMA VE 1 and CSA E22.2 No. 126.1

NIEDAX Series	Minimum Area		Load class in accordance to NEMA VE 1		
	(calculational) mm <sup>2</sup> / in. <sup>2</sup>	in accordance to NEMA VE 2 mm <sup>2</sup> / in. <sup>2</sup>	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
WSLX 105.300, ... F, ... E3	627.0 / 0.97	452 / 0.7	66.5 / 44.7	6 / 19.7	8C, C, 12C, 16A
WSLX 105.400, ... F, ... E3	627.0 / 0.97	452 / 0.7	66.5 / 44.7	6 / 19.7	8C, C, 12C, 16A
WSLX 105.500, ... F, ... E3	627.0 / 0.97	452 / 0.7	66.5 / 44.7	6 / 19.7	8C, C, 12C, 16A
WSLX 105.600, ... F, ... E3	627.0 / 0.97	452 / 0.7	66.5 / 44.7	6 / 19.7	8C, C, 12C, 16A
WSLX 150.200, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49.1	6 / 19.7	8C, 12C, 16A, D
WSLX 150.300, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49.1	6 / 19.7	8C, 12C, 16A, D
WSLX 150.400, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49.1	6 / 19.7	8C, 12C, 16A, D
WSLX 150.500, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49.1	6 / 19.7	8C, 12C, 16A, D
WSLX 150.600, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49.1	6 / 19.7	8C, 12C, 16A, D
WSLMX 150.200, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16C, E, 20B
WSLMX 150.300, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16C, E, 20B
WSLMX 150.400, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16C, E, 20B
WSLMX 150.500, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16C, E, 20B
WSLMX 150.600, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	8C, 12C, 16C, E, 20B
WSLX 200.200, ... F	924.0 / 1.43	645 / 1.0	63.0 / 42.3	6 / 19.7	8C, C, 12C, 16A
WSLX 200.300, ... F	924.0 / 1.43	645 / 1.0	63.0 / 42.3	6 / 19.7	8C, C, 12C, 16A
WSLX 200.400, ... F	924.0 / 1.43	645 / 1.0	63.0 / 42.3	6 / 19.7	8C, C, 12C, 16A
WSLX 200.500, ... F	924.0 / 1.43	645 / 1.0	63.0 / 42.3	6 / 19.7	8C, C, 12C, 16A
WSLX 200.600, ... F	924.0 / 1.43	645 / 1.0	63.0 / 42.3	6 / 19.7	8C, C, 12C, 16A
WSLSX 200.200, ... F	1460.0 / 2.26	968 / 1.5	260.0 / 174.7	6 / 19.7	8C, 12C, 16C, E, 20C
WSLSX 200.300, ... F	1460.0 / 2.26	968 / 1.5	260.0 / 174.7	6 / 19.7	8C, 12C, 16C, E, 20C
WSLSX 200.400, ... F	1460.0 / 2.26	968 / 1.5	260.0 / 174.7	6 / 19.7	8C, 12C, 16C, E, 20C
WSLSX 200.500, ... F	1460.0 / 2.26	968 / 1.5	260.0 / 174.7	6 / 19.7	8C, 12C, 16C, E, 20C
WSLSX 200.600, ... F	1460.0 / 2.26	968 / 1.5	260.0 / 174.7	6 / 19.7	8C, 12C, 16C, E, 20C

## Long Span Cable Ladder

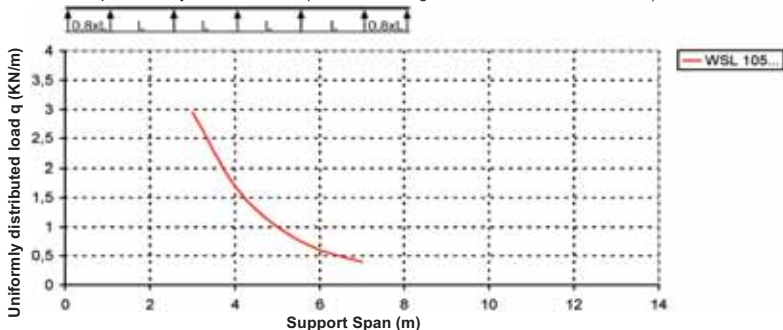
model no.	height (H) mm/Inch	width B mm/Inch	thickness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WSL 105.200	105/4,1	200/7,8	1,5	6	300600	534
S WSL 105.300	105/4,1	300/11,7	1,5	6	300709	559
S WSL 105.400	105/4,1	400/15,6	1,5	6	300808	584
S WSL 105.500	105/4,1	500/19,5	1,5	6	300907	609
S WSL 105.600	105/4,1	600/23,4	1,5	6	301003	634
F WSL 105.200 F	105/4,1	200/7,8	1,5	6	577606	534
F WSL 105.300 F	105/4,1	300/11,7	1,5	6	577705	559
F WSL 105.400 F	105/4,1	400/15,6	1,5	6	577804	584
F WSL 105.500 F	105/4,1	500/19,5	1,5	6	577903	609
F WSL 105.600 F	105/4,1	600/23,4	1,5	6	578009	634
E3 WSL 105.200 E3	105/4,1	200/7,8	1,5	6	726509	534
E3 WSL 105.300 E3	105/4,1	300/11,7	1,5	6	726523	559
E3 WSL 105.400 E3	105/4,1	400/15,6	1,5	6	726547	584
E3 WSL 105.500 E3	105/4,1	500/19,5	1,5	6	726561	609
E3 WSL 105.600 E3	105/4,1	600/23,4	1,5	6	726585	634

perforated side rails with reinforcing fins, riveted C-rail rungs with 16 mm slot width

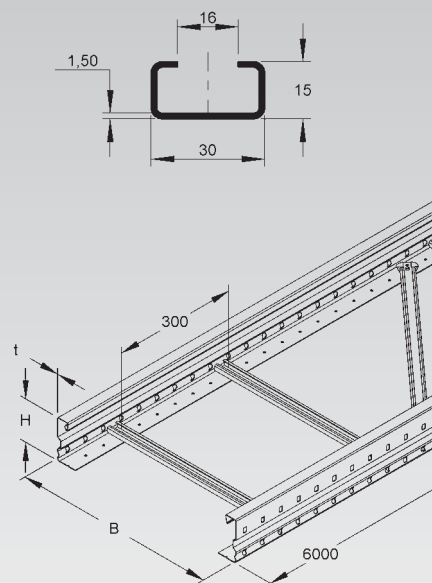
**HDG finish, bottom of side rails non perforated**

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



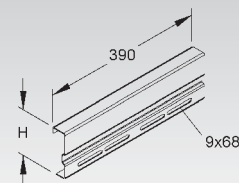
## Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSV 105.390	106,5/4,2	390/15,2	4 FLM 8x13 F	301959	118,5
F WSV 105.390 F	106,5/4,2	390/15,2	4 FLM 8x13 F	302055	121,5
E3 WSV 105.390 E3	106,5/4,2	390/15,2	4 FLM 8x16 E3	340132	80

for positive locking connections of long span trays and ladders with proper electrical conductivity

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

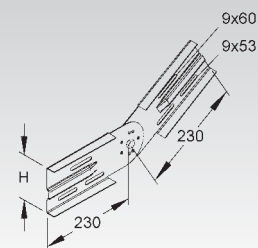
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSGV 105	106,5/4,2	6 FLM 8x13 F	305100	100
F WSGV 105 F	106,5/4,2	6 FLM 8x13 F	590308	100
E3 WSGV 105 E3	106,5/4,2	6 FLM 8x16 E3	725304	100

for making vertical bends for long span trays and ladders, side rail height 105 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



# LONG SPAN CABLE LADDER

## Adjustable Splice Plate

horizontal

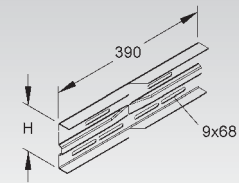
model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WSWV 105.390	106,5/4,2	390/15,2	6 FLM 8x13 F	305377	93
<b>F</b> WSWV 105.390 F	106,5/4,2	390/15,2	6 FLM 8x13 F	590452	93
<b>E3</b> WSWV 105.390E3	106,5/4,2	390/15,2	6 FLM 8x16 E3	725458	93

for making horizontal elbows for long span trays and ladders, side rail height 105 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

105



## Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S</b> RW 85	80/3,1	0,9	4 FLM 6x12	237609	92
<b>F</b> RW 85 F	80/3,1	0,9	4 FLM 6x12 F	237708	92
<b>E3</b> RW 85 E3	80/3,1	0,9	4 FLM 6x12 E3	333424	92

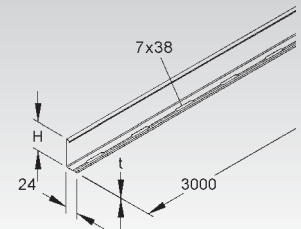
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

85



65



## Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 85 E2	79,5/3,1	80/3,1	237753	2

for positive locking connections of barrier strips with proper electrical conductivity

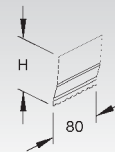
Barrier strips are connected by means of a special splice plate.



85



65



## Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 16	FK 6x10, GSM 406	289707	2,4
<b>F</b> KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5
<b>E3</b> KLWC 16 E3	FK 6x10 E3, GSM 406 E3	341641	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



65





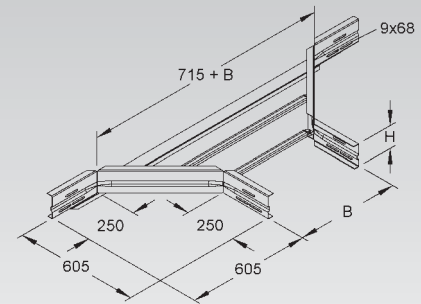
### Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSTA 105.200	105/4,1	205/8	12 FLM 8x13 F	905355	750
S WSTA 105.300	105/4,1	305/11,9	12 FLM 8x13 F	905362	775
S WSTA 105.400	105/4,1	405/15,8	12 FLM 8x13 F	905379	800
S WSTA 105.500	105/4,1	505/19,7	12 FLM 8x13 F	905386	825
S WSTA 105.600	105/4,1	605/23,6	12 FLM 8x13 F	905393	845
F WSTA 105.200 F	105/4,1	205/8	12 FLM 8x13 F	905850	750
F WSTA 105.300 F	105/4,1	305/11,9	12 FLM 8x13 F	905867	775
F WSTA 105.400 F	105/4,1	405/15,8	12 FLM 8x13 F	905874	800
F WSTA 105.500 F	105/4,1	505/19,7	12 FLM 8x13 F	905881	825
F WSTA 105.600 F	105/4,1	605/23,6	12 FLM 8x13 F	905898	845
E3 WSTA 105.200E3	105/4,1	205/8	12 FLM 8x16 E3	905751	970
E3 WSTA 105.300E3	105/4,1	305/11,9	12 FLM 8x16 E3	905768	1030
E3 WSTA 105.400E3	105/4,1	405/15,8	12 FLM 8x16 E3	905775	1090
E3 WSTA 105.500E3	105/4,1	505/19,7	12 FLM 8x16 E3	905782	1150
E3 WSTA 105.600E3	105/4,1	605/23,6	12 FLM 8x16 E3	905799	1210

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



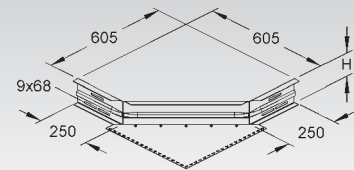
### Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WAE 105	106,5/4,2	6 FLM 8x13 F	318131	320
F WAE 105 F	106,5/4,2	6 FLM 8x13 F	595730	320
E3 WAE 105 E3	106,5/4,2	6 FLM 8x16 E3	846207	320

solid side rail with reinforcing fins, perforated for splices

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings



### Elbow 90°

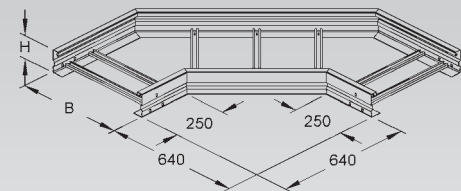
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WSB 105.200	105/4,1	200/7,8	302109	650
S WSB 105.300	105/4,1	300/11,7	302208	740
S WSB 105.400	105/4,1	400/15,6	302307	830
S WSB 105.500	105/4,1	500/19,5	302406	920
S WSB 105.600	105/4,1	600/23,4	302505	1000
F WSB 105.200 F	105/4,1	200/7,8	578108	650
F WSB 105.300 F	105/4,1	300/11,7	578207	740
F WSB 105.400 F	105/4,1	400/15,6	578306	830
F WSB 105.500 F	105/4,1	500/19,5	578405	920
F WSB 105.600 F	105/4,1	600/23,4	578504	1000
E3 WSB 105.200 E3	105/4,1	200/7,8	726608	650
E3 WSB 105.300 E3	105/4,1	300/11,7	726622	740
E3 WSB 105.400 E3	105/4,1	400/15,6	726646	830
E3 WSB 105.500 E3	105/4,1	500/19,5	726660	920
E3 WSB 105.600 E3	105/4,1	600/23,4	726684	1000

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.





# LONG SPAN CABLE LADDER

## Horizontal Tee

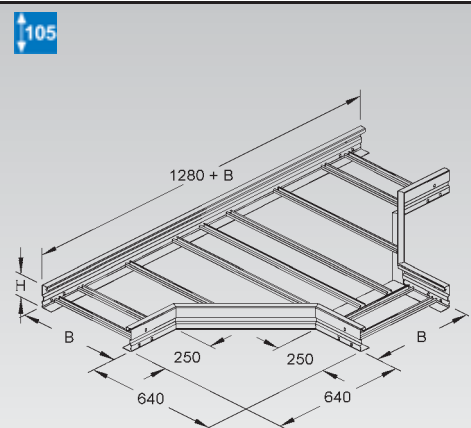
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WST 105.200	105/4,1	200/7,8	303106	1240
S WST 105.300	105/4,1	300/11,7	303205	1400
S WST 105.400	105/4,1	400/15,6	303304	1560
S WST 105.500	105/4,1	500/19,5	303403	1750
S WST 105.600	105/4,1	600/23,4	303502	1940
F WST 105.200 F	105/4,1	200/7,8	578603	1240
F WST 105.300 F	105/4,1	300/11,7	578702	1400
F WST 105.400 F	105/4,1	400/15,6	578801	1560
F WST 105.500 F	105/4,1	500/19,5	578900	1750
F WST 105.600 F	105/4,1	600/23,4	579006	1940
E3 WST 105.200 E3	105/4,1	200/7,8	726707	1240
E3 WST 105.300 E3	105/4,1	300/11,7	726721	1400
E3 WST 105.400 E3	105/4,1	400/15,6	726745	1560
E3 WST 105.500 E3	105/4,1	500/19,5	726769	1750
E3 WST 105.600 E3	105/4,1	600/23,4	726783	1940

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Horizontal Cross

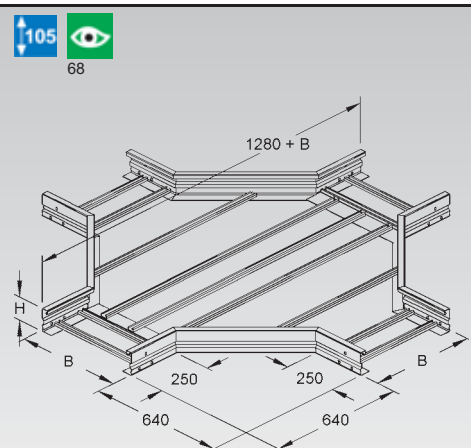
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WSK 105.200	105/4,1	200/7,8	304103	1730
S WSK 105.300	105/4,1	300/11,7	304202	1930
S WSK 105.400	105/4,1	400/15,6	304301	2180
S WSK 105.500	105/4,1	500/19,5	304400	2490
S WSK 105.600	105/4,1	600/23,4	304509	2660
F WSK 105.200 F	105/4,1	200/7,8	579105	1730
F WSK 105.300 F	105/4,1	300/11,7	579204	1930
F WSK 105.400 F	105/4,1	400/15,6	579303	2180
F WSK 105.500 F	105/4,1	500/19,5	579402	2490
F WSK 105.600 F	105/4,1	600/23,4	579501	2660
E3 WSK 105.200 E3	105/4,1	200/7,8	726806	1730
E3 WSK 105.300 E3	105/4,1	300/11,7	726820	1930
E3 WSK 105.400 E3	105/4,1	400/15,6	726844	2180
E3 WSK 105.500 E3	105/4,1	500/19,5	726868	2490
E3 WSK 105.600 E3	105/4,1	600/23,4	726882	2660

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 105.390 have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Long Span Cable Ladder

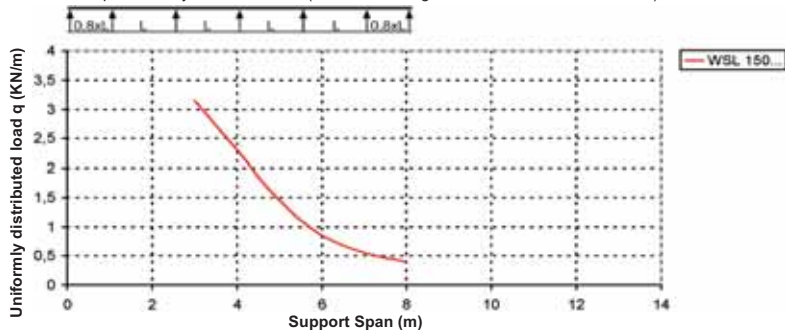
model no.	height (H) mm/Inch	width B mm/Inch	thickness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WSL 150.200	150/5,8	200/7,8	1,5	6	301102	560
S WSL 150.300	150/5,8	300/11,7	1,5	6	301201	637
S WSL 150.400	150/5,8	400/15,6	1,5	6	301300	660
S WSL 150.500	150/5,8	500/19,5	1,5	6	301508	684
S WSL 150.600	150/5,8	600/23,4	1,5	6	301607	707
F WSL 150.200 F	150/5,8	200/7,8	1,5	6	579600	560
F WSL 150.300 F	150/5,8	300/11,7	1,5	6	579709	637
F WSL 150.400 F	150/5,8	400/15,6	1,5	6	579808	660
F WSL 150.500 F	150/5,8	500/19,5	1,5	6	579907	684
F WSL 150.600 F	150/5,8	600/23,4	1,5	6	580002	707
E3 WSL 150.200 E3	150/5,8	200/7,8	1,5	6	727001	560
E3 WSL 150.300 E3	150/5,8	300/11,7	1,5	6	727025	637
E3 WSL 150.400 E3	150/5,8	400/15,6	1,5	6	727049	660
E3 WSL 150.500 E3	150/5,8	500/19,5	1,5	6	727063	684
E3 WSL 150.600 E3	150/5,8	600/23,4	1,5	6	727087	707

perforated side rails with reinforcing fins, riveted C-rail rungs with 16 mm slot width

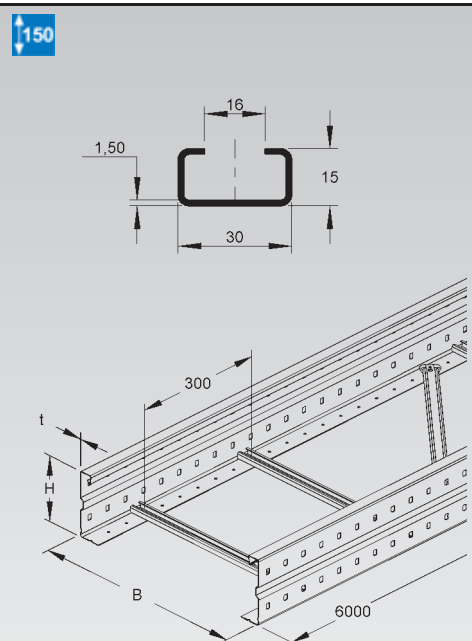
**HDG finish, bottom of side rails non perforated**

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



# LONG SPAN CABLE LADDER

## Long Span Cable Ladder

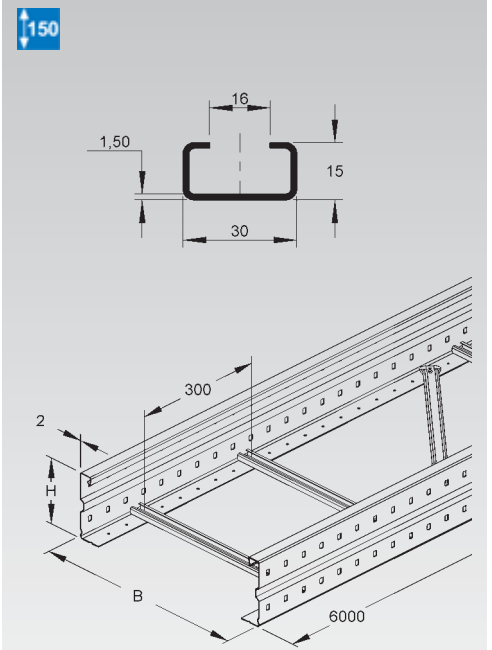
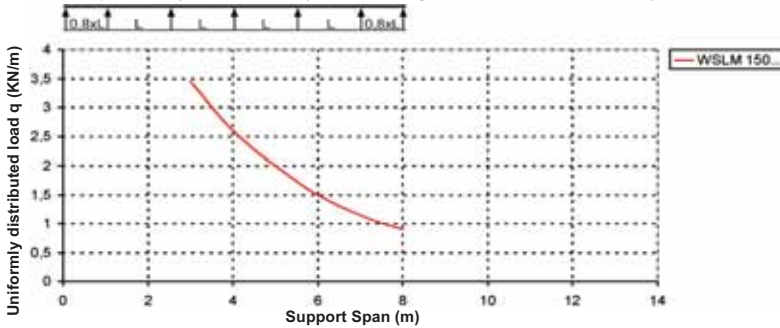
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
★ S WSLM 150.200	150/5,8	200/7,8	2	6	893409	740
★ S WSLM 150.300	150/5,8	300/11,7	2	6	893416	840
★ S WSLM 150.400	150/5,8	400/15,6	2	6	893423	860
★ S WSLM 150.500	150/5,8	500/19,5	2	6	893430	880
★ S WSLM 150.600	150/5,8	600/23,4	2	6	893447	900
★ F WSLM 150.200 F	150/5,8	200/7,8	2	6	579518	740
★ F WSLM 150.300 F	150/5,8	300/11,7	2	6	579525	840
★ F WSLM 150.400 F	150/5,8	400/15,6	2	6	579532	860
★ F WSLM 150.500 F	150/5,8	500/19,5	2	6	579549	880
★ F WSLM 150.600 F	150/5,8	600/23,4	2 </td <td>6</td> <td>579556</td> <td>900</td>	6	579556	900

perforated medium duty side rails with reinforcing fins, riveted C-rail rungs with 16 mm slot width

**HDG finish, bottom of side rails non perforated**

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



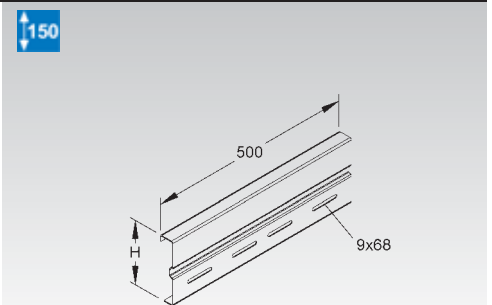
## Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSV 150.500	151,5/5,9	500/19,5	4 FLM 8x13 F	301706	180
F WSV 150.500 F	151,5/5,9	500/19,5	4 FLM 8x13 F	301805	180
E3 WSV 150.500 E3	151,5/5,9	500/19,5	4 FLM 8x16 E3	340149	180

for positive locking connections of long span trays and ladders with proper electrical conductivity

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

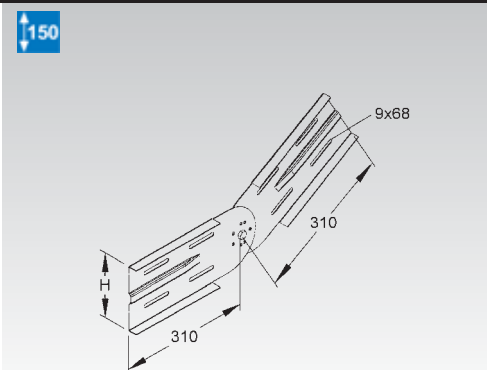
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSGV 150	151,5/5,9	6 FLM 8x13 F	305209	180
F WSGV 150 F	151,5/5,9	6 FLM 8x13 F	593002	180
E3 WSGV 150 E3	151,5/5,9	6 FLM 8x16 E3	726004	180

for making vertical bends for long span trays and ladders, side rail height 150 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

horizontal

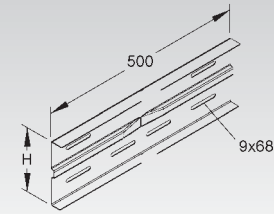
	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WSWV 150	151,5/5,9	500/19,5	6 FLM 8x13 F	305407	180
F	WSWV 150 F	151,5/5,9	500/19,5	6 FLM 8x13 F	593101	180
E3	WSWV 150 E3	151,5/5,9	500/19,5	6 FLM 8x16 E3	726103	180

for making horizontal elbows for long span trays and ladders, side rail height 150 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

150



## Barrier Strip

	model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	RW 110	98/3,8	0,9	4 FLM 6x12	251001	90
F	RW 110 F	98/3,8	0,9	4 FLM 6x12 F	251100	90
E3	RW 110 E3	98/3,8	0,9	4 FLM 6x12 E3	333509	92

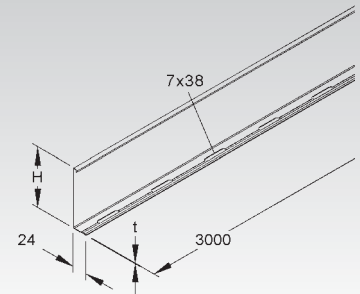
to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

110



65



## Splice Plate for Barrier Strip

	model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
E2	RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

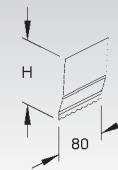
Barrier strips are connected by means of a special splice plate.



110



65



## Mounting Clamp for Barrier Strip

	model no.	acc. incl.	EAN code	Weight per 100 pc. kg
G	KLWC 16	FK 6x10, GSM 406	289707	2,4
F	KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5
E3	KLWC 16 E3	FK 6x10 E3, GSM 406 E3	341641	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



65



# LONG SPAN CABLE LADDER

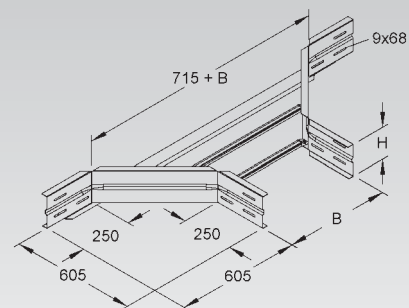
## Extension Horizontal Tee

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSTA 150.200	150/5,8	205/8	12 FLM 8x13 F	905409	805
S WSTA 150.300	150/5,8	305/11,9	12 FLM 8x13 F	905416	830
S WSTA 150.400	150/5,8	405/15,8	12 FLM 8x13 F	905423	850
S WSTA 150.500	150/5,8	505/19,7	12 FLM 8x13 F	905430	875
S WSTA 150.600	150/5,8	605/23,6	12 FLM 8x13 F	905447	900
F WSTA 150.200 F	150/5,8	205/8	12 FLM 8x13 F	905904	805
F WSTA 150.300 F	150/5,8	305/11,9	12 FLM 8x13 F	905911	830
F WSTA 150.400 F	150/5,8	405/15,8	12 FLM 8x13 F	905928	850
F WSTA 150.500 F	150/5,8	505/19,7	12 FLM 8x13 F	905935	875
F WSTA 150.600 F	150/5,8	605/23,6	12 FLM 8x13 F	905942	900
E3 WSTA 150.200E3	150/5,8	205/8	12 FLM 8x16 E3	905805	1020
E3 WSTA 150.300E3	150/5,8	305/11,9	12 FLM 8x16 E3	905812	1080
E3 WSTA 150.400E3	150/5,8	405/15,8	12 FLM 8x16 E3	905829	1140
E3 WSTA 150.500E3	150/5,8	505/19,7	12 FLM 8x16 E3	905836	1200
E3 WSTA 150.600E3	150/5,8	605/23,6	12 FLM 8x16 E3	905843	1260

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



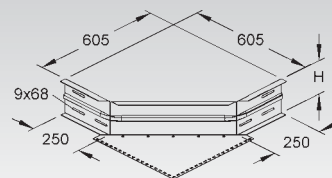
## Extension Horizontal Elbow

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WAE 150	151,5/5,9	6 FLM 8x13 F	318162	340
F WAE 150 F	151,5/5,9	6 FLM 8x13 F	595761	340
E3 WAE 150 E3	151,5/5,9	6 FLM 8x16 E3	846252	340

solid side rail with reinforcing fins, perforated for splices

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings



## Elbow 90°

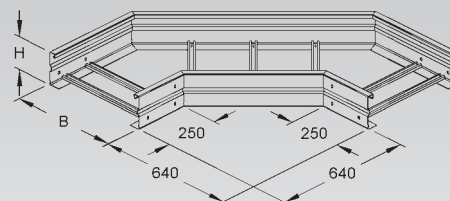
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WSB 150.200	150/5,8	200/7,8	302604	700
S WSB 150.300	150/5,8	300/11,7	302703	745
S WSB 150.400	150/5,8	400/15,6	302802	800
S WSB 150.500	150/5,8	500/19,5	302901	855
S WSB 150.600	150/5,8	600/23,4	303007	910
F WSB 150.200 F	150/5,8	200/7,8	580101	700
F WSB 150.300 F	150/5,8	300/11,7	580200	745
F WSB 150.400 F	150/5,8	400/15,6	580309	800
F WSB 150.500 F	150/5,8	500/19,5	580408	855
F WSB 150.600 F	150/5,8	600/23,4	580507	910
E3 WSB 150.200 E3	150/5,8	200/7,8	727100	700
E3 WSB 150.300 E3	150/5,8	300/11,7	727124	780
E3 WSB 150.400 E3	150/5,8	400/15,6	727148	850
E3 WSB 150.500 E3	150/5,8	500/19,5	727162	960
E3 WSB 150.600 E3	150/5,8	600/23,4	727186	1050

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.





## Horizontal Tee

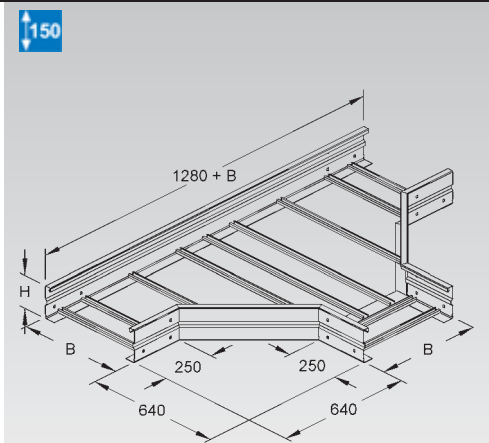
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WST 150.200	150/5,8	200/7,8	303601	1390
S WST 150.300	150/5,8	300/11,7	303700	1510
S WST 150.400	150/5,8	400/15,6	303809	1630
S WST 150.500	150/5,8	500/19,5	303908	1790
S WST 150.600	150/5,8	600/23,4	304004	1950
F WST 150.200 F	150/5,8	200/7,8	580606	1390
F WST 150.300 F	150/5,8	300/11,7	580705	1510
F WST 150.400 F	150/5,8	400/15,6	580804	1630
F WST 150.500 F	150/5,8	500/19,5	580903	1790
F WST 150.600 F	150/5,8	600/23,4	581009	1950
E3 WST 150.200 E3	150/5,8	200/7,8	727209	1390
E3 WST 150.300 E3	150/5,8	300/11,7	727223	1510
E3 WST 150.400 E3	150/5,8	400/15,6	727247	1630
E3 WST 150.500 E3	150/5,8	500/19,5	727261	1790
E3 WST 150.600 E3	150/5,8	600/23,4	727285	1980

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered seperately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Horizontal Cross

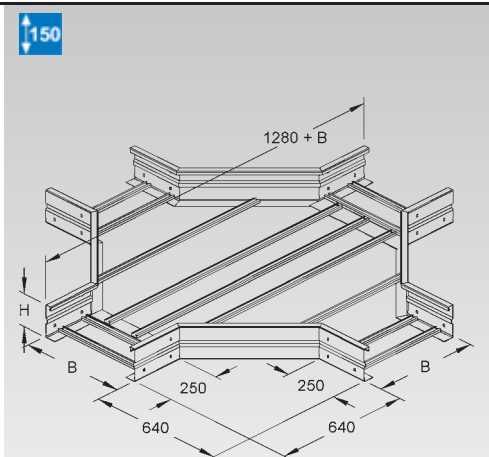
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S WSK 150.200	150/5,8	200/7,8	304608	1970
S WSK 150.300	150/5,8	300/11,7	304707	2120
S WSK 150.400	150/5,8	400/15,6	304806	2330
S WSK 150.500	150/5,8	500/19,5	304905	2490
S WSK 150.600	150/5,8	600/23,4	305001	2660
F WSK 150.200 F	150/5,8	200/7,8	581108	1970
F WSK 150.300 F	150/5,8	300/11,7	581207	2120
F WSK 150.400 F	150/5,8	400/15,6	581306	2330
F WSK 150.500 F	150/5,8	500/19,5	581405	2490
F WSK 150.600 F	150/5,8	600/23,4	581504	2660
E3 WSK 150.200 E3	150/5,8	200/7,8	727308	1970
E3 WSK 150.300 E3	150/5,8	300/11,7	727322	2120
E3 WSK 150.400 E3	150/5,8	400/15,6	727346	2330
E3 WSK 150.500 E3	150/5,8	500/19,5	727360	2590
E3 WSK 150.600 E3	150/5,8	600/23,4	727384	2760

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 150.500 have to be ordered seperately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



# LONG SPAN CABLE LADDER

## Long Span Cable Ladder

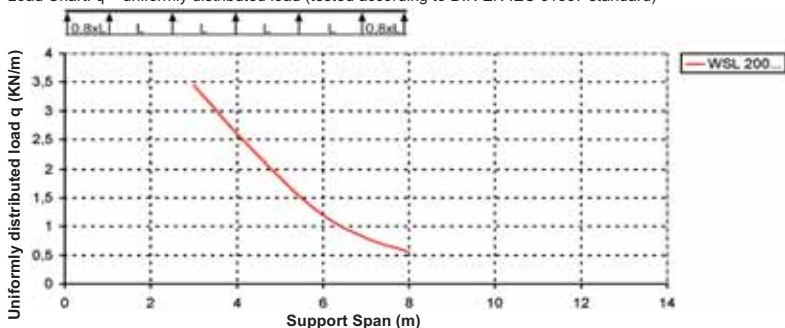
model no.	height (H) mm/Inch	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S WSL 200.200	200/7,8	200/7,8	1,5	6	305605	792
S WSL 200.300	200/7,8	300/11,7	1,5	6	305704	842
S WSL 200.400	200/7,8	400/15,6	1,5	6	305803	892
S WSL 200.500	200/7,8	500/19,5	1,5	6	305902	942
S WSL 200.600	200/7,8	600/23,4	1,5	6	306008	992
F WSL 200.200 F	200/7,8	200/7,8	1,5	6	581603	792
F WSL 200.300 F	200/7,8	300/11,7	1,5	6	581702	842
F WSL 200.400 F	200/7,8	400/15,6	1,5	6	581801	892
F WSL 200.500 F	200/7,8	500/19,5	1,5	6	581900	942
F WSL 200.600 F	200/7,8	600/23,4	1,5	6	582006	992

perforated side rails with reinforcing fins, riveted C-rail rungs with 16 mm slot width

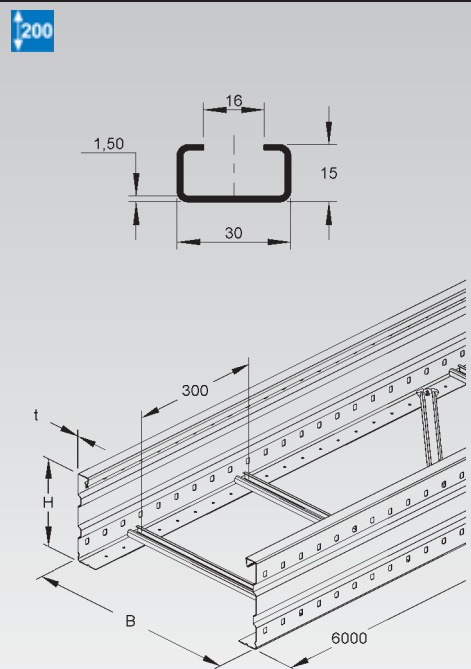
**HDG finish, bottom of side rails non perforated**

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.



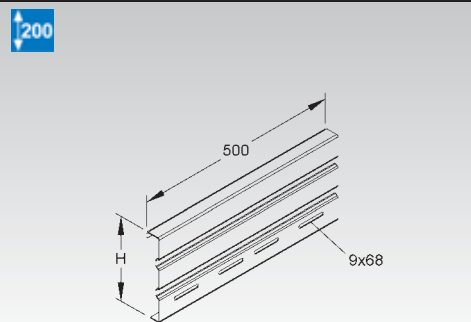
## Splice Plate

model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSV 200.500	201,5/7,9	500/19,5	4 FLM 8x13 F	306107	220
F WSV 200.500 F	201,5/7,9	500/19,5	4 FLM 8x13 F	594207	220

for positive locking connections of long span trays and ladders with proper electrical conductivity

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

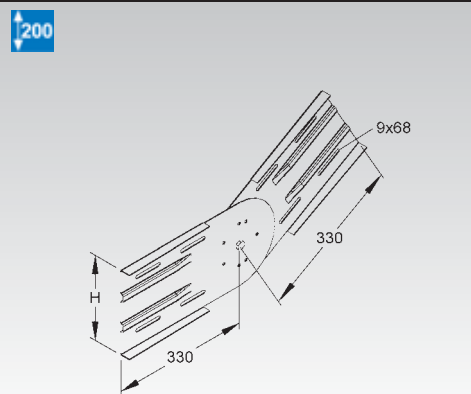
vertical

model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S WSGV 200	201,5/7,9	6 FLM 8x13 F	307708	285
F WSGV 200 F	201,5/7,9	6 FLM 8x13 F	595808	220

for making vertical bends for long span trays and ladders, side rail height 200 mm

**2 pieces required per joint**

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

horizontal

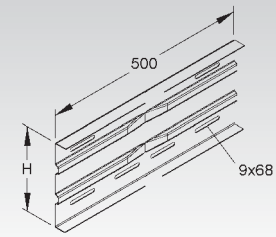
	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WSWV 200	201,5/7,9	500/19,5	6 FLM 8x13 F	307807	161,5
F	WSWV 200 F	201,5/7,9	500/19,5	6 FLM 8x13 F	595907	220

for making horizontal elbows for long span trays and ladders, side rail height 200 mm

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

200



## Extension Horizontal Tee

	model no.	height (H) mm/Inch	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WSTA 200.200	200/7,8	205/8	12 FLM 8x13 F	905454	950
S	WSTA 200.300	200/7,8	305/11,9	12 FLM 8x13 F	905461	975
S	WSTA 200.400	200/7,8	405/15,8	12 FLM 8x13 F	905478	1000
S	WSTA 200.500	200/7,8	505/19,7	12 FLM 8x13 F	905485	1015
S	WSTA 200.600	200/7,8	605/23,6	12 FLM 8x13 F	905492	1050
F	WSTA 200.200 F	200/7,8	205/8	12 FLM 8x13 F	905959	950
F	WSTA 200.300 F	200/7,8	305/11,9	12 FLM 8x13 F	905966	975
F	WSTA 200.400 F	200/7,8	405/15,8	12 FLM 8x13 F	905973	1000
F	WSTA 200.500 F	200/7,8	505/19,7	12 FLM 8x13 F	905980	1015
F	WSTA 200.600 F	200/7,8	605/23,6	12 FLM 8x13 F	905997	1050

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

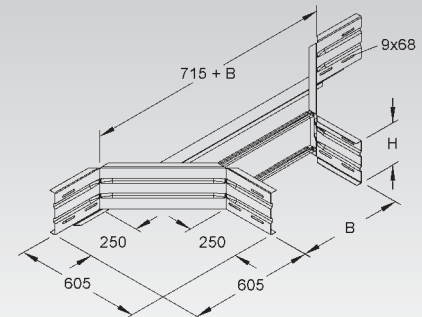
The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

200



69



## Extension Horizontal Elbow

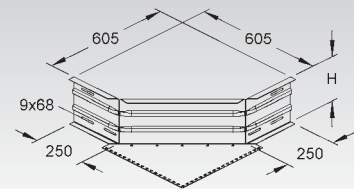
	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
S	WAE 200	201,5/7,9	6 FLM 8x13 F	318193	410
F	WAE 200 F	201,5/7,9	6 FLM 8x13 F	595792	410

solid side rail with reinforcing fins, perforated for splices

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

To be used for: to make 90° elbows and T-fittings

200



## Elbow 90°

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	WSB 200.200	200/7,8	200/7,8	306206	960
S	WSB 200.300	200/7,8	300/11,7	306305	1070
S	WSB 200.400	200/7,8	400/15,6	306404	1180
S	WSB 200.500	200/7,8	500/19,5	306503	1290
S	WSB 200.600	200/7,8	600/23,4	306602	1400
F	WSB 200.200 F	200/7,8	200/7,8	582105	960
F	WSB 200.300 F	200/7,8	300/11,7	582204	1070
F	WSB 200.400 F	200/7,8	400/15,6	582303	1180
F	WSB 200.500 F	200/7,8	500/19,5	582402	1290
F	WSB 200.600 F	200/7,8	600/23,4	582501	1400

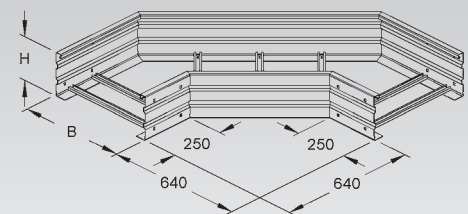
solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

200



# LONG SPAN CABLE LADDER

## Horizontal Tee

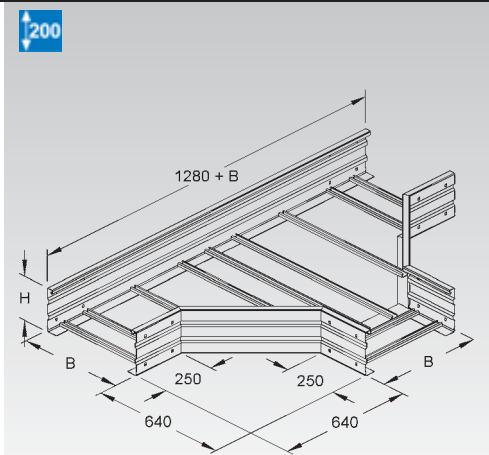
	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	WST 200.200	200/7,8	200/7,8	306701	1780
S	WST 200.300	200/7,8	300/11,7	306800	1970
S	WST 200.400	200/7,8	400/15,6	306909	2200
S	WST 200.500	200/7,8	500/19,5	307005	2420
S	WST 200.600	200/7,8	600/23,4	307104	2670
F	WST 200.200 F	200/7,8	200/7,8	582600	1780
F	WST 200.300 F	200/7,8	300/11,7	582709	1970
F	WST 200.400 F	200/7,8	400/15,6	582808	2200
F	WST 200.500 F	200/7,8	500/19,5	582907	2420
F	WST 200.600 F	200/7,8	600/23,4	583003	2670

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered seperately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Horizontal Cross

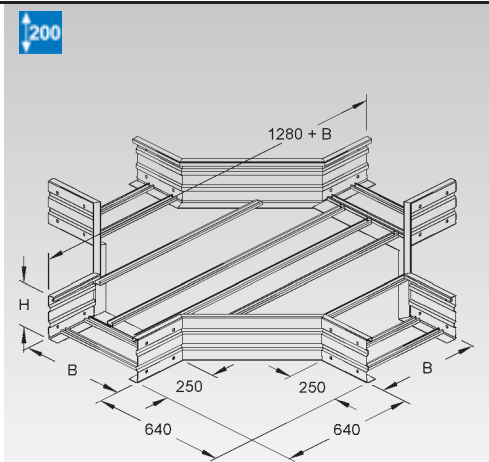
	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	WSK 200.200	200/7,8	200/7,8	307203	2400
S	WSK 200.300	200/7,8	300/11,7	307302	2650
S	WSK 200.400	200/7,8	400/15,6	307401	2960
S	WSK 200.500	200/7,8	500/19,5	307500	3220
S	WSK 200.600	200/7,8	600/23,4	307609	3490
F	WSK 200.200 F	200/7,8	200/7,8	583102	2400
F	WSK 200.300 F	200/7,8	300/11,7	583201	2650
F	WSK 200.400 F	200/7,8	400/15,6	583300	2960
F	WSK 200.500 F	200/7,8	500/19,5	583409	3220
F	WSK 200.600 F	200/7,8	600/23,4	583508	3490

solid side rails with reinforcing fins, perforated for splices, riveted C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSV 200.500 have to be ordered seperately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Long Span Cable Ladder

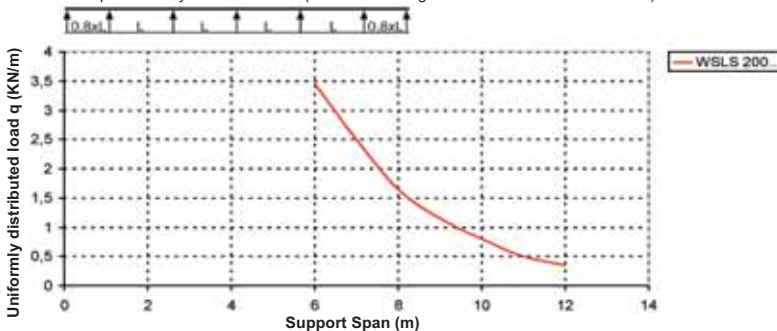
heavy-duty version

	model no.	height (H) mm/Inch	width B mm/Inch	thick- ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
F	WLSL 200.200	200/7,8	200/7,8	2,5	6	307906	1284
F	WLSL 200.300	200/7,8	300/11,7	2,5	6	308002	1334
F	WLSL 200.400	200/7,8	400/15,6	2,5	6	308101	1384
F	WLSL 200.500	200/7,8	500/19,5	2,5	6	308200	1434
F	WLSL 200.600	200/7,8	600/23,4	2,5	6	308309	1484

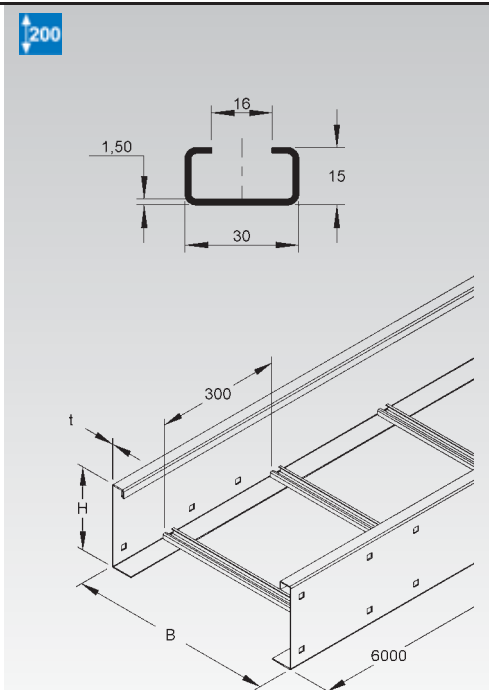
perforated heavy duty side rails with reinforcing fins, welded C-rail rungs with 16 mm slot width

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.

Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independant of splice plate location.



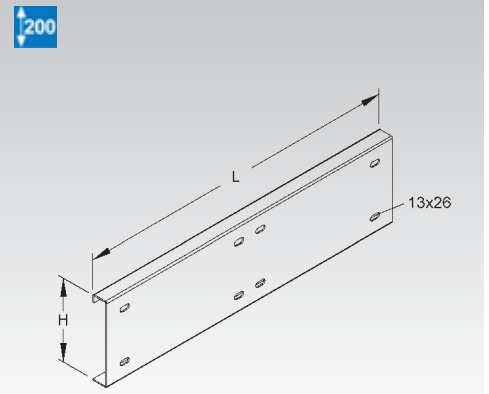
## Splice Plate

	model no.	height (H) mm/Inch	length (A) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	<b>WSVS 200.500</b>	203/7,9	500/19,5	12 FLM 12x30 F	308408	670
F	<b>WSVS 200.800</b>	203/7,9	800/31,2	12 FLM 12x30 F	308507	1100

for positive locking connections of long span ladders WLSL...

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Adjustable Splice Plate

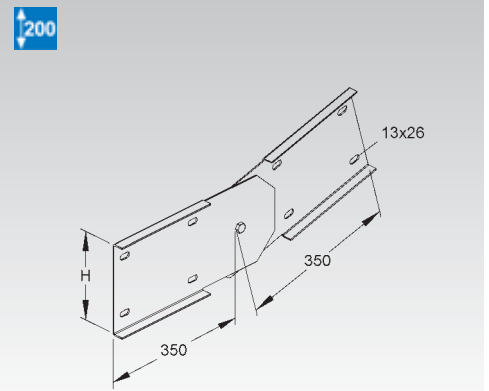
vertical

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	<b>WSGVS 200</b>	202/7,9	8 FLM 12x30 F	308606	950

for making vertical bends for WLSL... type long span ladder

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..



## Angle Joint

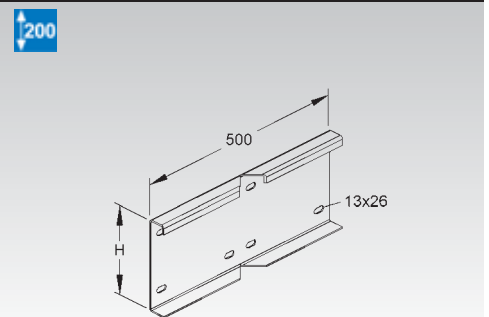
horizontal

	model no.	height (H) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
F	<b>WSWVS 200</b>	203/7,9	8 FLM 12x30 F	308705	660

for making horizontal elbows for WLSL... type long span ladder

### 2 pieces required per joint

Equipotential bonding guaranteed by bolting the splice plate to the side rails of the tray or ladder and the fitting..

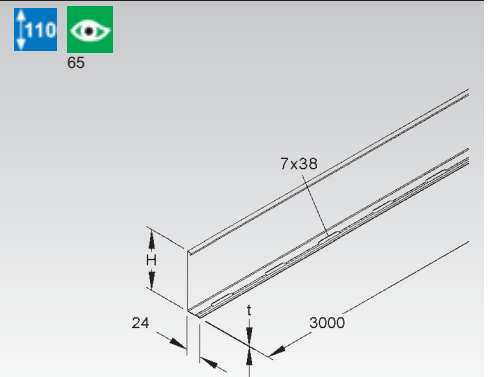


## Barrier Strip

	model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	<b>RW 110</b>	98/3,8	0,9	4 FLM 6x12	251001	90
F	<b>RW 110 F</b>	98/3,8	0,9	4 FLM 6x12 F	251100	90
E3	<b>RW 110 E3</b>	98/3,8	0,9	4 FLM 6x12 E3	333509	92

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.





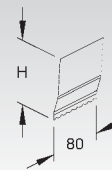
# LONG SPAN CABLE LADDER

## Splice Plate for Barrier Strip

model no.	height (H) mm/Inch	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> RTV 110 E2	97,5/3,8	80/3,1	251162	3

for positive locking connections of barrier strips with proper electrical conductivity

Barrier strips are connected by means of a special splice plate.



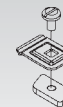
## Mounting Clamp for Barrier Strip

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>G</b> KLWC 16	FK 6x10, GSM 406	289707	2,4
<b>F</b> KLWC 16 F	FK 6x10 E3, GSM 406 E3	570508	5

for attaching barrier strips onto the transversal reinforcing fin of the long span cable trays or into the rungs of the long span ladder (slot width 16 mm)

To be used for: barrier strip RW...

insertable at any position of the rail



## Elbow 90°

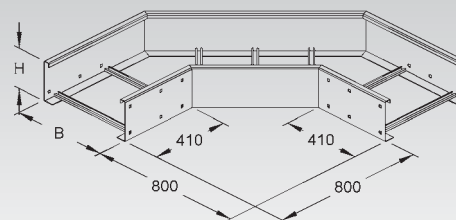
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>F</b> WSBS 200.200	200/7,8	200/7,8	308804	1540
<b>F</b> WSBS 200.300	200/7,8	300/11,7	308903	1690
<b>F</b> WSBS 200.400	200/7,8	400/15,6	309009	1830
<b>F</b> WSBS 200.500	200/7,8	500/19,5	309108	1960
<b>F</b> WSBS 200.600	200/7,8	600/23,4	309207	2090

perforated heavy duty side rails with reinforcing fins, welded C-rail rungs with 16 mm slot width

The radius of the fittings is such that cables can be installed according to DIN/VDE 0298, part 3 standard.

The splice plates WSVS 200... have to be ordered separately.

Corresponding yoke clamps (B... and BK...) are listed in a separate section of this catalog.



## Cover for long span Cable Trays/Ladders

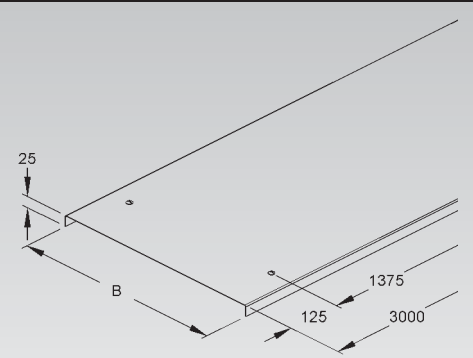
with pre-mounted turn lock bolt

	model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
S	WDV 200	204/8	6 WDRS 20	309801	187
S	WDV 300	304/11,9	6 WDRS 20	309900	264
S	WDV 400	404/15,8	6 WDRS 20	310005	344
S	WDV 500	504/19,7	6 WDRS 20	310104	424
S	WDV 600	604/23,6	6 WDRS 20	310203	500
F	WDV 200 F	204/8	6 WDRS 20 F	596003	187
F	WDV 300 F	304/11,9	6 WDRS 20 F	596102	264
F	WDV 400 F	404/15,8	6 WDRS 20 F	596201	344
F	WDV 500 F	504/19,7	6 WDRS 20 F	596300	424
F	WDV 600 F	604/23,6	6 WDRS 20 F	596409	500
E3	WDV 200 E3	204/8	6 WDRS 20 E3	806508	160
E3	WDV 300 E3	304/11,9	6 WDRS 20 E3	806522	250
E3	WDV 400 E3	404/15,8	6 WDRS 20 E3	806546	356
E3	WDV 500 E3	504/19,7	6 WDRS 20 E3	806560	423
E3	WDV 600 E3	604/23,6	6 WDRS 20 E3	806584	490

To be used for: long span cable tray WRL ..., WRU... and long span cable ladders WSL..., WSLM..., WSLS...

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

use turnbolt lock RDRS 9 and cover clamp RDHF 9 E2 for extra requirements



## Turn-bolt Lock

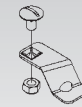
	model no.	EAN code	Weight per 100 pc. kg
S	WDRS 20	310609	3
F	WDRS 20 F	596508	3
E3	WDRS 20 E3	809004	3

for subsequent third party installation

Outdoor usage requires additional securing against windloads etc. using ex. self tapping screws or steel cable ties.

Please maintain a minimum distance of 50 mm from both ends of the cover.

delivered as a kit (not assembled)



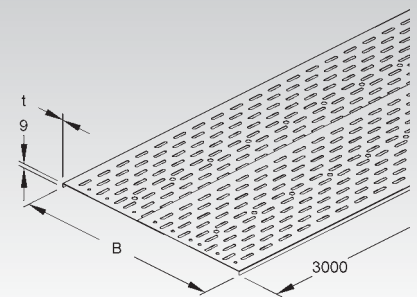
## Bottom Plates

ventilated

	model no.	width B mm/Inch	thick-ness (t) mm/Inch	delivery length m	EAN code	Weight per 100 m kg
S	WBL 200	200/7,8	0,9	3	326303	123
S	WBL 300	300/11,7	0,9	3	326402	210
S	WBL 400	400/15,6	0,9	3	326501	350
S	WBL 500	500/19,5	0,9	3	326600	417
S	WBL 600	600/23,4	0,9	3	326709	467

for subsequent installation into the long span cable ladder WSLS...

WBL 400-600 are sets of 2 bottom plates (200 and/or 300 mm) to be installed side by side.



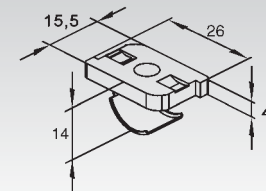
## Sloped Sliding Nut

with clamping spring (phosphated)

	model no.	thread	EAN code	Weight per 100 pc. kg
G	GSF 0406	M 6	119608	1,04

insertable at any position of the rail

To be used for: 2970 and 2971 rail



# LONG SPAN CABLE LADDER ACCESSORIES

## Slotted Cheese Head Bolt, size M6

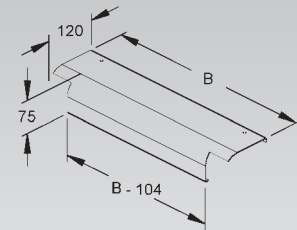
with slot, according to DIN 84 standard

model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>V</b> Z M6X10	10/0,4	127009	0,39



## Ladder Drop Out

model no.	width B mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> WLAB 200	190/7,4	2 Z M 6x10, 2 GSM 406	899739	60
<b>S</b> WLAB 300	290/11,3	2 Z M 6x10, 2 GSM 406	899746	90
<b>S</b> WLAB 400	390/15,2	2 Z M 6x10, 2 GSM 406	899753	120
<b>S</b> WLAB 500	490/19,1	2 Z M 6x10, 2 GSM 406	899760	150
<b>S</b> WLAB 600	590/23	2 Z M 6x10, 2 GSM 406	899777	180
<b>F</b> WLAB 200 F	190/7,4	2 Z M 6x10 E3, 2 GSM 406 E3	900220	60
<b>F</b> WLAB 300 F	290/11,3	2 Z M 6x10 E3, 2 GSM 406 E3	900237	90
<b>F</b> WLAB 400 F	390/15,2	2 Z M 6x10 E3, 2 GSM 406 E3	900244	120
<b>F</b> WLAB 500 F	490/19,1	2 Z M 6x10 E3, 2 GSM 406 E3	900251	150
<b>F</b> WLAB 600 F	590/23	2 Z M 6x10 E3, 2 GSM 406 E3	900268	180
<b>E3</b> WLAB 200 E3	190/7,4	2 Z M 6x10 E3, 2 GSM 406 E3	900015	60
<b>E3</b> WLAB 300 E3	290/11,3	2 Z M 6x10 E3, 2 GSM 406 E3	900022	90
<b>E3</b> WLAB 400 E3	390/15,2	2 Z M 6x10 E3, 2 GSM 406 E3	900039	120
<b>E3</b> WLAB 500 E3	490/19,1	2 Z M 6x10 E3, 2 GSM 406 E3	900046	150
<b>E3</b> WLAB 600 E3	590/23	2 Z M 6x10 E3, 2 GSM 406 E3	900053	180



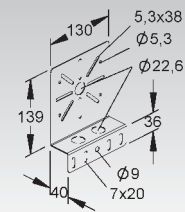
with rounded edges to protect cables at the joint

To be used for: long span cable ladders with C-rail rungs and a slot width of 16 mm

## Mounting Plate

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>S</b> RMP 130	2 FLM 6x12	206148	50
<b>F</b> RMP 130 F	2 FLM 6x12 F	206162	50
<b>E3</b> RMP 130 E3	2 FLM 6x12 E3	769728	30,5

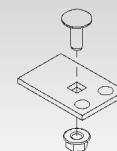
for mounting distribution or junction boxes



## Mounting Bracket for Long Span Cable Ladders

model no.	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WSTB 2	1 FLM 8x25 F	305506	11,6
<b>E3</b> WSTB 2 E3	1 SKM 8x25 E3	726424	5

To be used for: on KTAS ... and KTASS ... type wall brackets, on KTTS... type brackets and on KTSS ... clamping brackets

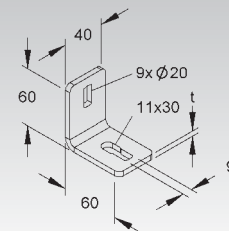


## Wall Support

symmetric

model no.	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> WWU 150/8	5	1 FLM 8x16 F	194506	21
<b>E3</b> WWU 150/8 E3	4	1 FLM 8x16 E3	344307	21

for floor-, ceiling- or wall-mount



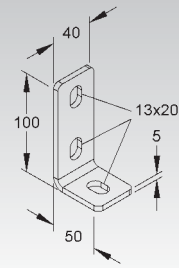
## Wall Support

asymmetric

model no.	thick- ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 pc. kg
<b>F</b> <b>WWA 100</b>	5	1 FLM 10x25 F	194759	30
<b>E3</b> <b>WWA 100 E3</b>	4	1 FLM 10x25 E3	344345	19,4

for floor-, ceiling- or wall-mount

To be used for: Stainless Steel U-Profile U 50/..., U 6040/..., U 100/...  
U-profile U 50/..., U 5050/ ..., U 6040/..., U 100/...



## Surface Metal Raceway

 Surface Metal Raceways

 Fittings

 Accessoires



All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada.

Please add an 'X' after the first sequence of characters in the part number to get your products labeled for UL conformity (f.e. RLV 60.200 becomes RLVX 60.200 or GRS 110.300 becomes GR SX 110.300).





Niedax surface metal raceways are designed for routing low voltage power circuits, data network and control cables in commercial, institutional and industrial applications. The system consists of a base section with a snap-on cover, dividers and a wide range of fittings. It's easy to install, expand and reconfigure. Direct wall mount is permitted. Various finishes are available.



## General

### SCOPE

This specification covers a Surface Metal Raceway System used for power circuits and/or data network, voice, video and other low-voltage wiring. The Surface Metal Raceway System shall consist of straight sections, appropriate fittings and device brackets to complete installation per electrical drawings.

### CLASSIFICATION AND USE

The Surface Metal Raceway System is to be utilized in dry interior locations as covered in Article 386 of the National Electrical Code and in Sections 12-1600 to 12-1614 of the Canadian Electrical Code. The NIEDAX Raceway System is listed by Underwriters Laboratories under File No. E230529 for the straight sections and for the fittings, with a UL designation in accordance with publication UL5 for Surface Metal Raceways, and a cUL designation in accordance with Canadian Standards Association publication C22.2 No. 62 for Surface Metal Raceways.

### MATERIALS

The Raceway System is made of pre-galvanized steel, powder-coated pre-galvanized steel or stainless steel (304; 1.4301) with a minimum thickness of 0.040" [1.02mm].

### RACEWAY

The Raceway System is a two piece design with a base and a snap-on cover, which snap side by side on a common base. The base may be divided with a fixed barrier for up to 3 compartments depending on the raceways width.

### FITTINGS

A complete line available including: 45° and 90° horizontal and vertical fittings, inside and outside elbows, splice plates, cable support clamps and end caps.

### MECHANICAL SECURITY

The Raceway System shall be mechanically continuous and connected to all electrical outlets, boxes, device mounting brackets and cabinets.

### ELECTRICAL SECURITY

The Surface Metal Raceway System shall be electrically continuous and bonded in accordance with the National Electric Code for proper grounding.

### RACEWAY SUPPORT

The Raceway System should be securely supported at intervals not exceeding 1.2m (4 ft.).

### COMPLETENESS

The Surface Metal Raceway System should be installed complete with appropriate fittings. All unused Raceway openings shall be closed.

Surface Metal Raceways are UL Listed for service as equipment grounding conductor under the latest **National Electrical Code**

## Surface Metal Raceways Wire Fill Capacities

LLKX 60.060 ER, LUKX 60.060 ER and LUEX 60.060ER (3600 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	52	83	115
TW, THW	45	61	N/A
RHH, RHW	25	31	38

LLKX 80.060 ER and LUKX 80.060 ER (6400 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	94	149	204
TW, THW	81	109	N/A
RHH, RHW	45	56	67

LLKX 60.100ER, LUKX 60.100ER and LUEX 60.100ER (6000 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	88	139	191
TW, THW	76	102	N/A
RHH, RHW	42	52	63

LLKX 100.100ER, LUKX 100.100ER and LEKX 100.100ER (10000 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	146	233	319
TW, THW	127	171	N/A
RHH, RHW	70	87	105

LLKX 60.150ER, LUKX 60.150ER and LUEX 60.150ER (9000 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	132	209	287
TW, THW	114	154	N/A
RHH, RHW	63	79	95

LLKX 60.200ER, LUKX 60.200ER and LUEX 60.200ER (12000 mm <sup>2</sup> )			
AWM Type	AWM Wire Size		
	No. 10	No. 12	No. 14
THHN, THWN	176	279	383
TW, THW	153	205	N/A
RHH, RHW	85	105	126

Surface Metal Raceways are UL Listed for service as equipment grounding conductor under the latest **National Electrical Code**

# SURFACE METAL RACEWAY

## Surface Metal Raceway incl. Cover

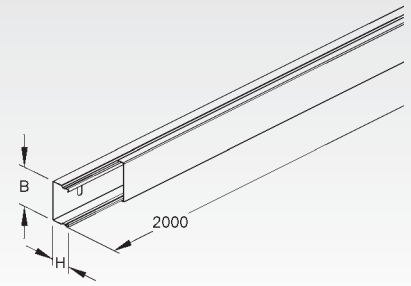
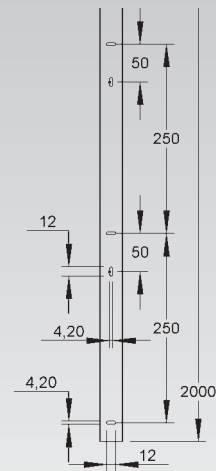
small

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LLK 16.016	16/0,6	16/0,6	—	506705	15
<b>S</b> LLK 16.030	16/0,6	30/1,2	—	506804	18
<b>S</b> LLK 26.030	26/1	30/1,2	—	506903	24
<b>C</b> LLK 16.016 R	16/0,6	16/0,6	9010	507559	15
<b>C</b> LLK 16.030 R	16/0,6	30/1,2	9010	507573	18
<b>C</b> LLK 26.030 R	26/1	30/1,2	9010	507597	24
<b>C</b> LLK 16.016 W	16/0,6	16/0,6	9001	507009	15
<b>C</b> LLK 16.030 W	16/0,6	30/1,2	9001	507108	18
<b>C</b> LLK 26.030 W	26/1	30/1,2	9001	507207	24
<b>E3</b> LLK 16.016 E3	16/0,6	16/0,6	—	519828	15
<b>E3</b> LLK 16.030 E3	16/0,6	30/1,2	—	519842	18
<b>E3</b> LLK 26.030 E3	26/1	30/1,2	—	519866	24

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism. powder coated finish available in various colours according to RAL specification.

16 26



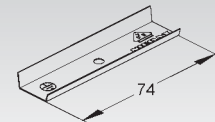
## Splice Plate

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>Ms</b> LST 16.016	74/2,9	516209	5
<b>Ms</b> LST 16.030	74/2,9	516308	1
<b>Ms</b> LST 26.030	74/2,9	516407	1,2

for electrically and mechanically connecting the bottom parts of the raceway in one step

To be used for: Small Surface Metal Raceway

16 26



## Splice Plate

with flat contact pin (6,3 mm) for protective grounding

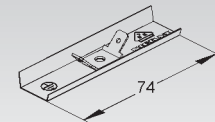
model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>Ms</b> LSTA 16.016	74/2,9	516704	0,6
<b>Ms</b> LSTA 16.030	74/2,9	516803	1,1
<b>Ms</b> LSTA 26.030	74/2,9	516902	1,3

for electrically and mechanically connecting the bottom parts of the raceway in one step

To be used for: Small Surface Metal Raceway

for equipotential bonding of all conductive accessories

16 26



## End-Cap

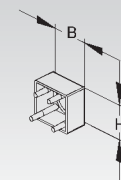
black

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>K04</b> LED 16.016	16/0,6	16/0,6	517725	2
<b>K04</b> LED 16.030	16/0,6	30/1,2	517732	4
<b>K04</b> LED 26.030	26/1	30/1,2	517749	4,5

To be used for: Small Surface Metal Raceway

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

16 26



## End-Protection Ring

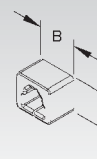
dark grey

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
K04 LER 16.016	16/0,6	16/0,6	887606	
K04 LER 16.030	16/0,6	30/1,2	887637	
K04 LER 26.030	26/1	30/1,2	887668	

To be used for: Small Surface Metal Raceway

Can be mounted after installation.

16 26



## Surface Metal Raceway incl. Cover

with ventilated bottom

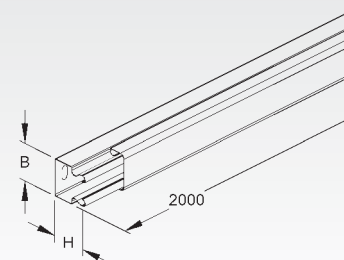
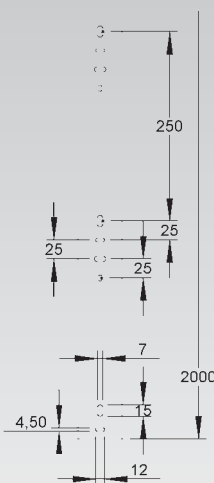
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
S LLK 40.040	40/1,6	40/1,6	—	508976	80
S LLK 40.060	40/1,6	60/2,3	—	509003	147
S LLK 60.060	60/2,3	60/2,3	—	509102	171
C LLK 40.040 R	40/1,6	40/1,6	9010	813605	
C LLK 40.060 R	40/1,6	60/2,3	9010	509423	147
C LLK 60.060 R	60/2,3	60/2,3	9010	509430	171
C LLK 40.040 W	40/1,6	40/1,6	9001	509485	80
C LLK 40.060 W	40/1,6	60/2,3	9001	509508	147
C LLK 60.060 W	60/2,3	60/2,3	9001	509607	171
E3 LLK 40.040 E3	40/1,6	40/1,6	—	520268	80
E3 LLK 40.060 E3	40/1,6	60/2,3	—	520305	147
E3 LLK 60.060 E3	60/2,3	60/2,3	—	520404	171

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

powder coated finish available in various colours according to RAL specification.

60 40





# SURFACE METAL RACEWAY

## Surface Metal Raceway incl. Cover

with ventilated bottom

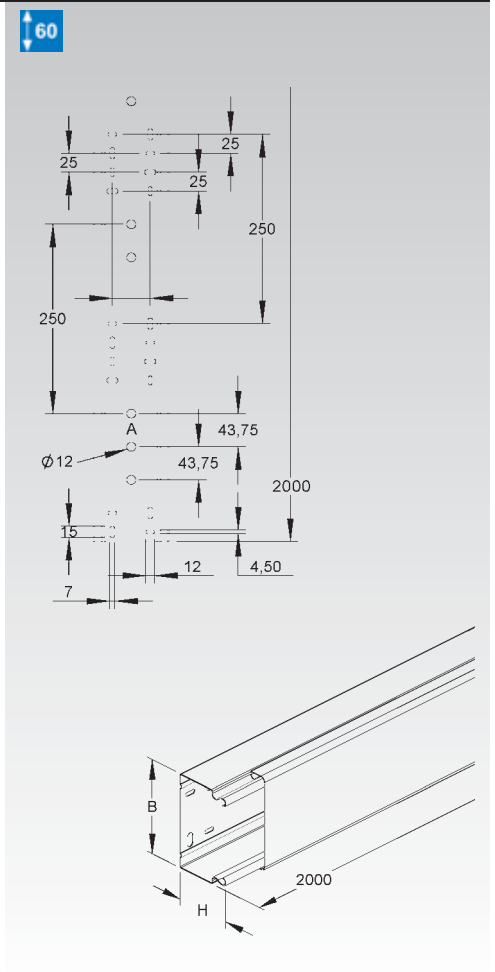
model no.	height (H) mm/Inch	width B mm/Inch	distance between drilling holes (A) mm/Inch	RAL colour	EAN code	Weight per 100 m kg
S LLK 60.100	60/2,3	100/3,9	50	—	509201	218
S LLK 60.150	60/2,3	150/5,8	100	—	509300	332
S LLK 60.200	60/2,3	200/7,8	150	—	509409	403
C LLK 60.100 R	60/2,3	100/3,9	50	9010	509447	218
C LLK 60.150 R	60/2,3	150/5,8	100	9010	509454	332
C LLK 60.200 R	60/2,3	200/7,8	150	9010	509461	403
C LLK 60.100 W	60/2,3	100/3,9	50	9001	509706	218
C LLK 60.150 W	60/2,3	150/5,8	100	9001	509805	332
C LLK 60.200 W	60/2,3	200/7,8	150	9001	509904	403
E3 LLK 60.100 E3	60/2,3	100/3,9	50	—	520503	218
E3 LLK 60.200 E3	60/2,3	200/7,8	150	—	520602	403

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism. centric punch hole (diameter 12 mm) in the bottom plate for E3 finish

no centric punch holes in the bottom plate for S or F finish

powder coated finish available in various colours according to RAL specification.



## Surface Metal Raceway incl. Cover

with ventilated bottom

model no.	height (H) mm/Inch	width B mm/Inch	distance between drilling holes (A) mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LLK 80.080	80/3,1	80/3,1	30	—	789702	262
<b>C</b> LLK 80.080 R	80/3,1	80/3,1	30	9010	813704	262
<b>C</b> LLK 80.080 W	80/3,1	80/3,1	30	9001	789801	262
<b>E3</b> LLK 80.080 E3	80/3,1	80/3,1	30	—	520626	262

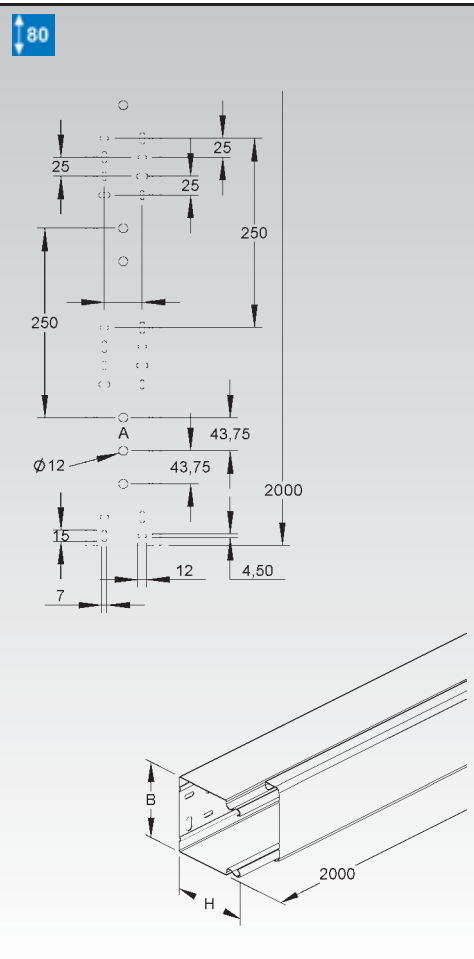
Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

centric punch hole (diameter 12 mm) in the bottom plate for E3 finish

no centric punch holes in the bottom plate for S or F finish

powder coated finish available in various colours according to RAL specification.



# SURFACE METAL RACEWAY

## Surface Metal Raceway incl. Cover

with ventilated bottom

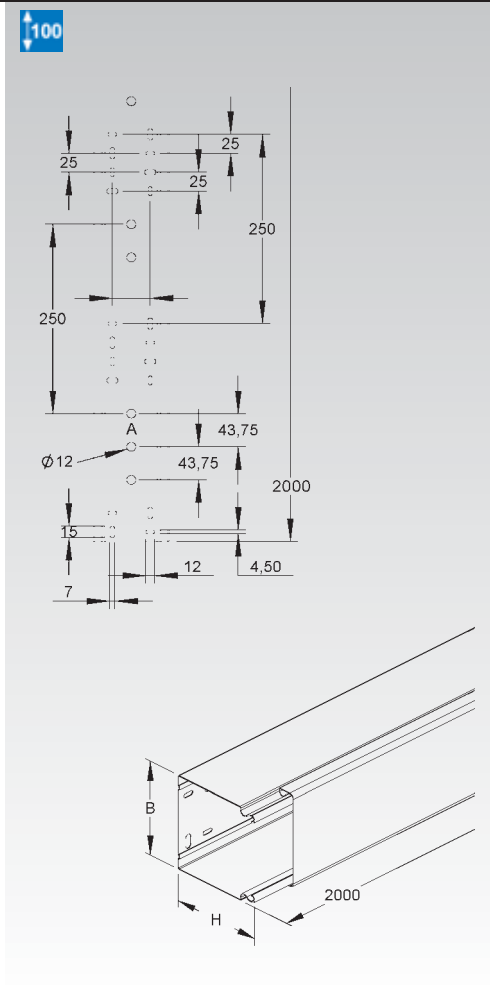
model no.	height (H) mm/Inch	width B mm/Inch	distance between drilling holes (A) mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LLK 100.100	100/3,9	100/3,9	50	—	789757	318
<b>C</b> LLK 100.100 R	100/3,9	100/3,9	50	9010	813759	318
<b>C</b> LLK 100.100 W	100/3,9	100/3,9	50	9001	789856	318
<b>E3</b> LLK 100.100 E3	100/3,9	100/3,9	50	—	520633	318

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism. centric punch hole (diameter 12 mm) in the bottom plate for E3 finish

no centric punch holes in the bottom plate for S or F finish

powder coated finish available in various colours according to RAL specification.



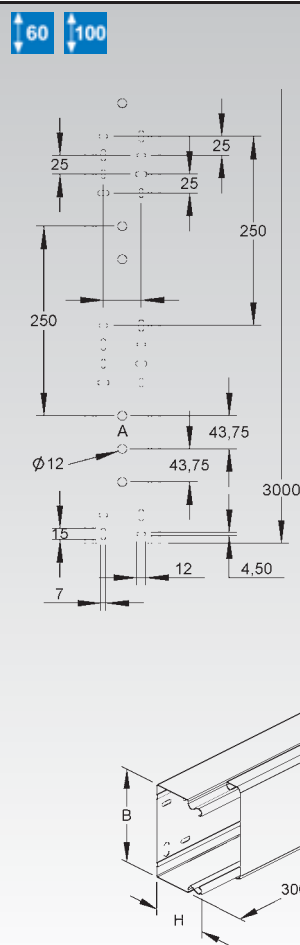
### Surface Metal Raceway incl. Cover

with ventilated bottom

model no.	height (H) mm/Inch	width B mm/Inch	distance between drilling holes (A) mm/Inch	EAN code	Weight per 100 m kg
<b>E3 LLK 60.100/3E3</b>	60/2,3	100/3,9	50	520558	
<b>E3 LLK100.100/3E3</b>	100/3,9	100/3,9	50	881000	

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



### Surface Metal Raceway incl. Cover

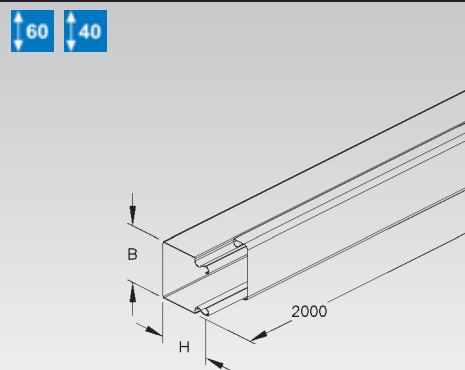
solid bottom

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S LUK 40.040</b>	40/1,6	40/1,6	—	508921	80
<b>S LUK 40.060</b>	40/1,6	60/2,3	—	700004	147
<b>S LUK 60.060</b>	60/2,3	60/2,3	—	700103	171
<b>C LUK 40.040 W</b>	40/1,6	40/1,6	9001	508952	80
<b>C LUK 40.060 W</b>	40/1,6	60/2,3	9001	700509	147
<b>C LUK 60.060 W</b>	60/2,3	60/2,3	9001	700608	171
<b>E3 LUK 40.040 E3</b>	40/1,6	40/1,6	—	519880	80
<b>E3 LUK 40.060 E3</b>	40/1,6	60/2,3	—	519903	147
<b>E3 LUK 60.060 E3</b>	60/2,3	60/2,3	—	520008	171

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

powder coated finish available in various colours according to RAL specification.



# SURFACE METAL RACEWAY

## Surface Metal Raceway incl. Cover

solid bottom

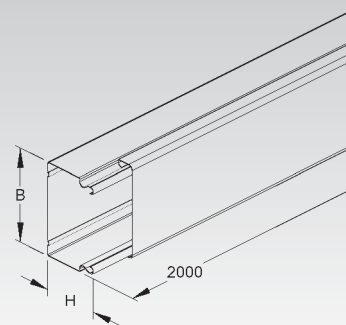
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LUK 60.100	60/2,3	100/3,9	—	700202	218
<b>S</b> LUK 60.150	60/2,3	150/5,8	—	700301	332
<b>S</b> LUK 60.200	60/2,3	200/7,8	—	700400	403
<b>C</b> LUK 60.100 W	60/2,3	100/3,9	9001	700707	218
<b>C</b> LUK 60.150 W	60/2,3	150/5,8	9001	700806	332
<b>C</b> LUK 60.200 W	60/2,3	200/7,8	9001	700905	403
<b>E3</b> LUK 60.100 E3	60/2,3	100/3,9	—	520107	218
<b>E3</b> LUK 60.200 E3	60/2,3	200/7,8	—	520206	403

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

powder coated finish available in various colours according to RAL specification.

60



## Surface Metal Raceway incl. Cover

solid bottom

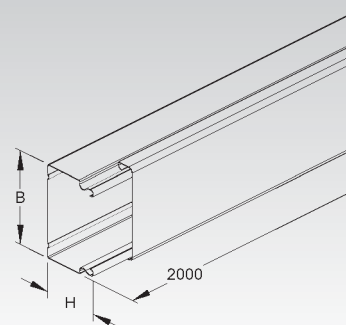
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LUK 80.080	80/3,1	80/3,1	—	508938	262
<b>C</b> LUK 80.080 W	80/3,1	80/3,1	9001	792801	262
<b>E3</b> LUK 80.080 E3	80/3,1	80/3,1	—	520220	262

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

powder coated finish available in various colours according to RAL specification.

80



## Surface Metal Raceway incl. Cover

solid bottom

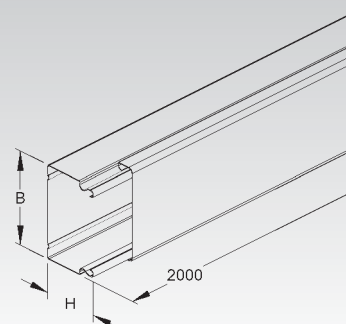
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 m kg
<b>S</b> LUK 100.100	100/3,9	100/3,9	—	508945	318
<b>C</b> LUK 100.100 W	100/3,9	100/3,9	9001	508969	318
<b>E3</b> LUK 100.100 E3	100/3,9	100/3,9	—	520244	318

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

powder coated finish available in various colours according to RAL specification.

100



## Splice Plate

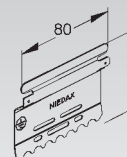
with flat contact pin (6,3 mm) for protective grounding

model no.	height (H) mm/Inch	EAN code	Weight per 100 pc. kg
<b>S</b> LST 40	40/1,6	516506	1,5
<b>S</b> LST 60	60/2,3	516605	1,7
<b>S</b> LST 80	80/3,1	516643	3,7
<b>S</b> LST 100	100/3,9	516667	4,6
<b>E3</b> LST 40 E3	40/1,6	524006	0,8
<b>E3</b> LST 60 E3	60/2,3	524105	0,9
<b>E3</b> LST 80 E3	80/3,1	524129	3,9
<b>E3</b> LST 100 E3	100/3,9	524143	4,9

for electrically and mechanically connecting the bottom parts of the raceway in one step

To be used for: LLK... and LUK...

60 40 100 80

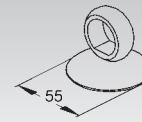




### Lifting Device for Covers

model no.	EAN code	Weight per 100 pc. kg
DH 55	417483	2

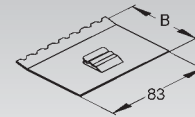
for fast dismantling of steel covers, min. width 60 mm



### Mounting Plate for Barrier Strip

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S TPH 60	59/2,3	806003	3
S TPH 80	79/3,1	459278	3
E3 TPH 60 E3	59/2,3	840007	
E3 TPH 80 E3	79/3,1	840052	

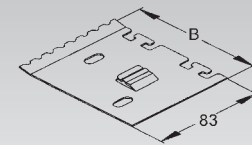
To be used for: GK and LS type raceway  
Equipotential bonding guaranteed after proper installation.



### Mounting Plate for Barrier Strip with strain relief

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S LZTP 100	99/3,9	833009	
S LZTP 150	149/5,8	833054	
S LZTP 200	199/7,8	833108	
E3 LZTP 100 E3	99/3,9	840403	
E3 LZTP 200 E3	199/7,8	840458	

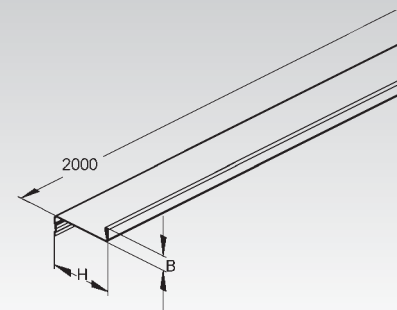
To be used for: Surface Metal Raceway  
Equipotential bonding guaranteed after proper installation.



### Barrier Strip

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 m kg
S TPS 30	30/1,2	11/0,4	459223	50
S TPS 50	50/2	11/0,4	459247	78
S TPS 70	70/2,7	11/0,4	459261	80
S TPS 90	90/3,5	11/0,4	720309	79
E3 TPS 50 E3	50/2	11/0,4	459216	50
E3 TPS 90 E3	90/3,5	11/0,4	865406	79

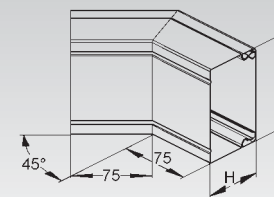
To be used for: Surface Metal Raceway  
Equipotential bonding guaranteed after proper installation.



### Vertical Outside Elbow 45° incl. Cover

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
S LUAB 40.040	40/1,6	40/1,6	—	790609	14
S LUAB 40.060	40/1,6	60/2,3	—	512706	39
C LUAB 40.040 W	40/1,6	40/1,6	9001	790807	14
C LUAB 40.060 W	40/1,6	60/2,3	9001	513116	39
E3 LUAB 40.040 E3	40/1,6	40/1,6	—	521968	19
E3 LUAB 40.060 E3	40/1,6	60/2,3	—	522002	39

To be used for: Surface Metal Raceway  
Splice plates to be ordered separately.  
LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



# SURFACE METAL RACEWAY

## Vertical Outside Elbow 45° incl. Cover

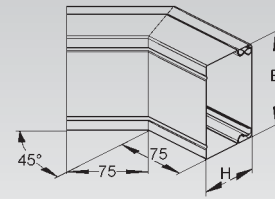
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAB 60.060	60/2,3	60/2,3	—	512805	42
<b>S</b> LUAB 60.100	60/2,3	100/3,9	—	512904	48
<b>S</b> LUAB 60.150	60/2,3	150/5,8	—	513000	59
<b>S</b> LUAB 60.200	60/2,3	200/7,8	—	513109	72
<b>C</b> LUAB 60.060 W	60/2,3	60/2,3	9001	513130	42
<b>C</b> LUAB 60.100 W	60/2,3	100/3,9	9001	513154	48
<b>C</b> LUAB 60.150 W	60/2,3	150/5,8	9001	513178	59
<b>C</b> LUAB 60.200 W	60/2,3	200/7,8	9001	513192	72
<b>E3</b> LUAB 60.060 E3	60/2,3	60/2,3	—	522101	42
<b>E3</b> LUAB 60.100 E3	60/2,3	100/3,9	—	522200	48
<b>E3</b> LUAB 60.200 E3	60/2,3	200/7,8	—	522309	72

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Outside Elbow 45° incl. Cover

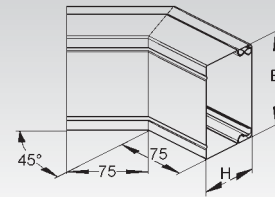
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAB 80.080	80/3,1	80/3,1	—	790708	48
<b>C</b> LUAB 80.080 W	80/3,1	80/3,1	9001	790906	48
<b>E3</b> LUAB 80.080 E3	80/3,1	80/3,1	—	522323	46

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



## Vertical Outside Elbow 45° incl. Cover

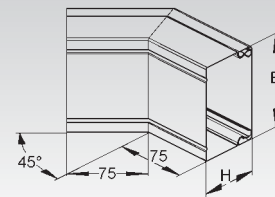
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAB 100.100	100/3,9	100/3,9	—	790753	61
<b>C</b> LUAB 100.100 W	100/3,9	100/3,9	9001	790951	61
<b>E3</b> LUAB 100.100E3	100/3,9	100/3,9	—	522347	57

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



## Vertical Inside Elbow 45° incl. Cover

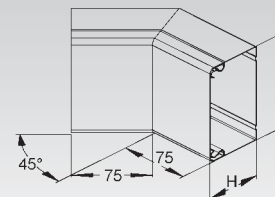
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIB 40.040	40/1,6	40/1,6	—	790203	14
<b>S</b> LUIB 40.060	40/1,6	60/2,3	—	512201	34
<b>C</b> LUIB 40.040 W	40/1,6	40/1,6	9001	790401	14
<b>C</b> LUIB 40.060 W	40/1,6	60/2,3	9001	512614	34
<b>E3</b> LUIB 40.040 E3	40/1,6	40/1,6	—	521562	14
<b>E3</b> LUIB 40.060 E3	40/1,6	60/2,3	—	521609	34

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



### Vertical Inside Elbow 45° incl. Cover

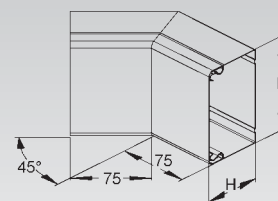
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIB 60.060	60/2,3	60/2,3	—	512300	36
<b>S</b> LUIB 60.100	60/2,3	100/3,9	—	512409	46
<b>S</b> LUIB 60.150	60/2,3	150/5,8	—	512508	58
<b>S</b> LUIB 60.200	60/2,3	200/7,8	—	512607	71
<b>C</b> LUIB 60.060 W	60/2,3	60/2,3	9001	512638	36
<b>C</b> LUIB 60.100 W	60/2,3	100/3,9	9001	512652	46
<b>C</b> LUIB 60.150 W	60/2,3	150/5,8	9001	512676	58
<b>C</b> LUIB 60.200 W	60/2,3	200/7,8	9001	512690	71
<b>E3</b> LUIB 60.060 E3	60/2,3	60/2,3	—	521708	36
<b>E3</b> LUIB 60.100 E3	60/2,3	100/3,9	—	521807	46
<b>E3</b> LUIB 60.200 E3	60/2,3	200/7,8	—	521906	71

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Inside Elbow 45° incl. Cover

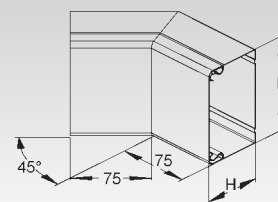
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIB 80.080	80/3,1	80/3,1	—	790302	48
<b>C</b> LUIB 80.080 W	80/3,1	80/3,1	9001	790500	48
<b>E3</b> LUIB 80.080 E3	80/3,1	80/3,1	—	521920	45

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



### Vertical Inside Elbow 45° incl. Cover

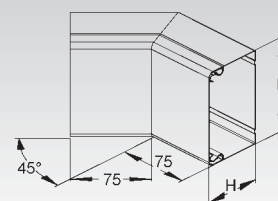
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIB 100.100	100/3,9	100/3,9	—	790357	61
<b>C</b> LUIB 100.100 W	100/3,9	100/3,9	9001	790555	61
<b>E3</b> LUIB 100.100E3	100/3,9	100/3,9	—	521944	56

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



### Vertical Elbow 45° with Cover

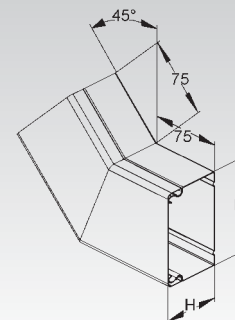
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWB 40.040	40/1,6	40/1,6	—	511648	14
<b>S</b> LUWB 40.060	40/1,6	60/2,3	—	511709	36
<b>C</b> LUWB 40.040 W	40/1,6	40/1,6	9001	790005	14
<b>C</b> LUWB 40.060 W	40/1,6	60/2,3	9001	512119	36
<b>E3</b> LUWB 40.040 E3	40/1,6	40/1,6	—	521142	14
<b>E3</b> LUWB 40.060 E3	40/1,6	60/2,3	—	521203	36

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



# SURFACE METAL RACEWAY

## Vertical Elbow 45° with Cover

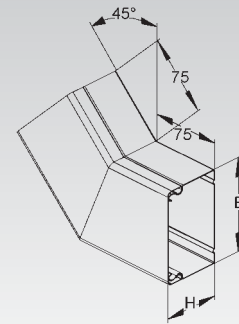
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWB 60.060	60/2,3	60/2,3	—	511808	38
<b>S</b> LUWB 60.100	60/2,3	100/3,9	—	511907	49
<b>S</b> LUWB 60.150	60/2,3	150/5,8	—	512003	66
<b>S</b> LUWB 60.200	60/2,3	200/7,8	—	512102	85
<b>C</b> LUWB 60.060 W	60/2,3	60/2,3	9001	512133	38
<b>C</b> LUWB 60.100 W	60/2,3	100/3,9	9001	512157	49
<b>C</b> LUWB 60.150 W	60/2,3	150/5,8	9001	512171	66
<b>C</b> LUWB 60.200 W	60/2,3	200/7,8	9001	512195	85
<b>E3</b> LUWB 60.060 E3	60/2,3	60/2,3	—	521302	38
<b>E3</b> LUWB 60.100 E3	60/2,3	100/3,9	—	521401	49
<b>E3</b> LUWB 60.200 E3	60/2,3	200/7,8	—	521500	85

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Elbow 45° with Cover

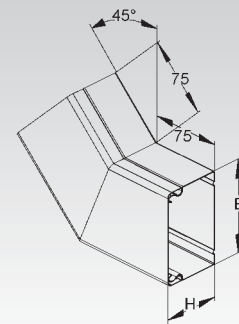
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWB 80.080	80/3,1	80/3,1	—	789900	48
<b>C</b> LUWB 80.080 W	80/3,1	80/3,1	9001	790104	48
<b>E3</b> LUWB 80.080 E3	80/3,1	80/3,1	—	521524	45

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



## Vertical Elbow 45° with Cover

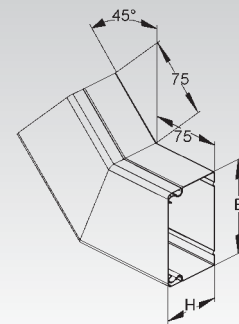
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWB 100.100	100/3,9	100/3,9	—	789955	61
<b>C</b> LUWB 100.100 W	100/3,9	100/3,9	9001	790159	61
<b>E3</b> LUWB 100.100E3	100/3,9	100/3,9	—	521548	56

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



## Vertical Outside Elbow 90° incl. Cover

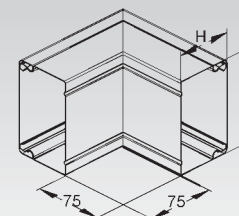
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAC 40.040	40/1,6	40/1,6	—	791804	16
<b>S</b> LUAC 40.060	40/1,6	60/2,3	—	514205	50
<b>C</b> LUAC 40.040 W	40/1,6	40/1,6	9001	792009	16
<b>C</b> LUAC 40.060 W	40/1,6	60/2,3	9001	514618	50
<b>E3</b> LUAC 40.040 E3	40/1,6	40/1,6	—	523160	16
<b>E3</b> LUAC 40.060 E3	40/1,6	60/2,3	—	523207	50

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



### Vertical Outside Elbow 90° incl. Cover

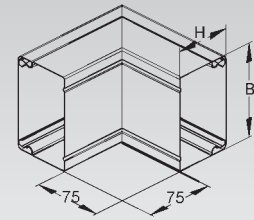
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAC 60.060	60/2,3	60/2,3	—	514304	53
<b>S</b> LUAC 60.100	60/2,3	100/3,9	—	514403	60
<b>S</b> LUAC 60.150	60/2,3	150/5,8	—	514502	74
<b>S</b> LUAC 60.200	60/2,3	200/7,8	—	514601	90
<b>C</b> LUAC 60.060 W	60/2,3	60/2,3	9001	514632	53
<b>C</b> LUAC 60.100 W	60/2,3	100/3,9	9001	514656	60
<b>C</b> LUAC 60.150 W	60/2,3	150/5,8	9001	514670	74
<b>C</b> LUAC 60.200 W	60/2,3	200/7,8	9001	514694	90
<b>E3</b> LUAC 60.060 E3	60/2,3	60/2,3	—	523306	53
<b>E3</b> LUAC 60.100 E3	60/2,3	100/3,9	—	523405	60
<b>E3</b> LUAC 60.200 E3	60/2,3	200/7,8	—	523504	90

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Outside Elbow 90° incl. Cover

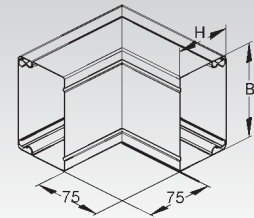
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAC 80.080	80/3,1	80/3,1	—	791903	61
<b>C</b> LUAC 80.080 W	80/3,1	80/3,1	9001	792108	61
<b>E3</b> LUAC 80.080 E3	80/3,1	80/3,1	—	523542	57

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



### Vertical Outside Elbow 90° incl. Cover

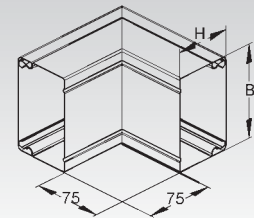
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAC 100.100	100/3,9	100/3,9	—	791958	80
<b>C</b> LUAC 100.100 W	100/3,9	100/3,9	9001	792153	18
<b>E3</b> LUAC 100.100E3	100/3,9	100/3,9	—	523566	74

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



### Vertical Outside Elbow (2 x 45°) incl. Cover

solid bottom

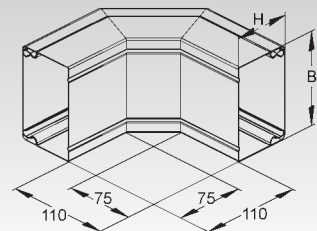
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>E3</b> LUAD 60.060 E3	60/2,3	60/2,3	732708	63
<b>E3</b> LUAD 60.100 E3	60/2,3	100/3,9	732807	72
<b>E3</b> LUAD 60.200 E3	60/2,3	200/7,8	732906	108

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60





# SURFACE METAL RACEWAY

## Outside Elbow Building Block

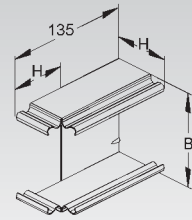
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUAE 60.060	60/2,3	60/2,3	—	766901	
<b>S</b> LUAE 60.100	60/2,3	100/3,9	—	767007	20,3
<b>S</b> LUAE 60.150	60/2,3	150/5,8	—	767106	23,5
<b>S</b> LUAE 60.200	60/2,3	200/7,8	—	767205	27
<b>C</b> LUAE 60.060 W	60/2,3	60/2,3	9001	767304	18
<b>C</b> LUAE 60.100 W	60/2,3	100/3,9	9001	767403	20,3
<b>C</b> LUAE 60.150 W	60/2,3	150/5,8	9001	767502	23,5
<b>C</b> LUAE 60.200 W	60/2,3	200/7,8	9001	767601	27

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Inside Elbow 90° incl. Cover

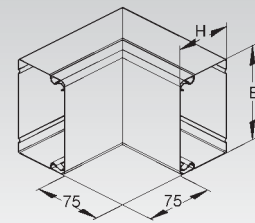
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIC 40.040	40/1,6	40/1,6	—	791408	41
<b>S</b> LUIC 40.060	40/1,6	60/2,3	—	513703	43
<b>C</b> LUIC 40.040 W	40/1,6	40/1,6	9001	791606	41
<b>C</b> LUIC 40.060 W	40/1,6	60/2,3	9001	514113	43
<b>E3</b> LUIC 40.040 E3	40/1,6	40/1,6	—	522781	16
<b>E3</b> LUIC 40.060 E3	40/1,6	60/2,3	—	522804	43

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



## Vertical Inside Elbow 90° incl. Cover

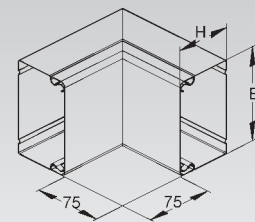
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIC 60.060	60/2,3	60/2,3	—	513802	45
<b>S</b> LUIC 60.100	60/2,3	100/3,9	—	513901	58
<b>S</b> LUIC 60.150	60/2,3	150/5,8	—	514007	73
<b>S</b> LUIC 60.200	60/2,3	200/7,8	—	514106	89
<b>C</b> LUIC 60.060 W	60/2,3	60/2,3	9001	514137	45
<b>C</b> LUIC 60.100 W	60/2,3	100/3,9	9001	514151	58
<b>C</b> LUIC 60.150 W	60/2,3	150/5,8	9001	514175	73
<b>C</b> LUIC 60.200 W	60/2,3	200/7,8	9001	514199	89
<b>E3</b> LUIC 60.060 E3	60/2,3	60/2,3	—	522903	45
<b>E3</b> LUIC 60.100 E3	60/2,3	100/3,9	—	523009	58
<b>E3</b> LUIC 60.200 E3	60/2,3	200/7,8	—	523108	89

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Inside Elbow 90° incl. Cover

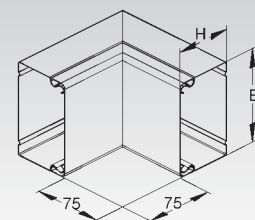
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIC 80.080	80/3,1	80/3,1	—	791507	61
<b>C</b> LUIC 80.080 W	80/3,1	80/3,1	9001	791705	61
<b>E3</b> LUIC 80.080 E3	80/3,1	80/3,1	—	523122	57

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



### Vertical Inside Elbow 90° incl. Cover

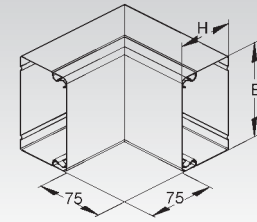
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIC 100.100	100/3,9	100/3,9	—	791552	80
<b>C</b> LUIC 100.100 W	100/3,9	100/3,9	9001	791750	80
<b>E3</b> LUIC 100.100E3	100/3,9	100/3,9	—	523146	74

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



### Vertical Inside Elbow (2 x 45°) incl. Cover

solid bottom

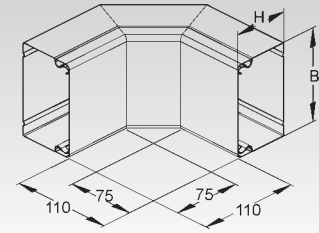
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>E3</b> LUID 60.060 E3	60/2,3	60/2,3	732401	54
<b>E3</b> LUID 60.100 E3	60/2,3	100/3,9	732500	69
<b>E3</b> LUID 60.200 E3	60/2,3	200/7,8	732609	107

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Inside Elbow Building Block

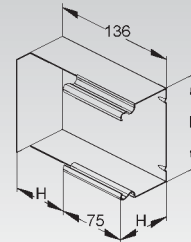
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUIE 60.060	60/2,3	60/2,3	—	766109	19
<b>S</b> LUIE 60.100	60/2,3	100/3,9	—	766208	25,3
<b>S</b> LUIE 60.150	60/2,3	150/5,8	—	766307	33
<b>S</b> LUIE 60.200	60/2,3	200/7,8	—	766406	41
<b>C</b> LUIE 60.060 W	60/2,3	60/2,3	9001	766505	19
<b>C</b> LUIE 60.100 W	60/2,3	100/3,9	9001	766604	25,3
<b>C</b> LUIE 60.150 W	60/2,3	150/5,8	9001	766703	33
<b>C</b> LUIE 60.200 W	60/2,3	200/7,8	9001	766802	41

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Elbow 90° with Cover

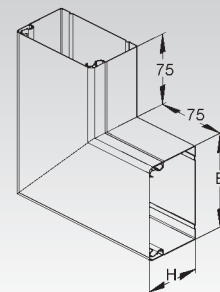
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWC 40.040	40/1,6	40/1,6	—	791002	43
<b>S</b> LUWC 40.060	40/1,6	60/2,3	—	513208	45
<b>C</b> LUWC 40.040 W	40/1,6	40/1,6	9001	791200	43
<b>C</b> LUWC 40.060 W	40/1,6	60/2,3	9001	513611	45
<b>E3</b> LUWC 40.040 E3	40/1,6	40/1,6	—	522361	16
<b>E3</b> LUWC 40.060 E3	40/1,6	60/2,3	—	522408	45

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



# SURFACE METAL RACEWAY

## Vertical Elbow 90° with Cover

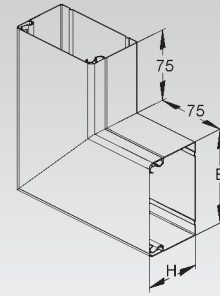
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWC 60.060	60/2,3	60/2,3	—	513307	47
<b>S</b> LUWC 60.100	60/2,3	100/3,9	—	513406	61
<b>S</b> LUWC 60.150	60/2,3	150/5,8	—	513505	83
<b>S</b> LUWC 60.200	60/2,3	200/7,8	—	513604	107
<b>C</b> LUWC 60.060 W	60/2,3	60/2,3	9001	513635	47
<b>C</b> LUWC 60.100 W	60/2,3	100/3,9	9001	513659	61
<b>C</b> LUWC 60.150 W	60/2,3	150/5,8	9001	513673	83
<b>C</b> LUWC 60.200 W	60/2,3	200/7,8	9001	513697	107
<b>E3</b> LUWC 60.060 E3	60/2,3	60/2,3	—	522507	47
<b>E3</b> LUWC 60.100 E3	60/2,3	100/3,9	—	522606	61
<b>E3</b> LUWC 60.200 E3	60/2,3	200/7,8	—	522705	107

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Elbow 90° with Cover

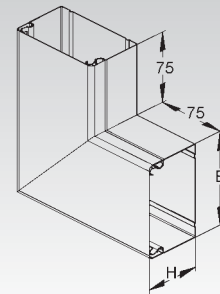
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWC 80.080	80/3,1	80/3,1	—	791101	61
<b>C</b> LUWC 80.080 W	80/3,1	80/3,1	9001	791309	61
<b>E3</b> LUWC 80.080 E3	80/3,1	80/3,1	—	522743	57

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



## Vertical Elbow 90° with Cover

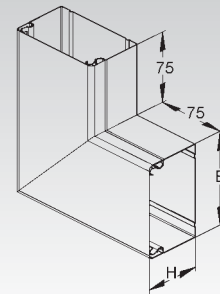
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWC 100.100	100/3,9	100/3,9	—	791156	80
<b>C</b> LUWC 100.100 W	100/3,9	100/3,9	9001	791354	80
<b>E3</b> LUWC 100.100E3	100/3,9	100/3,9	—	522767	74

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



## Vertical Elbow (2 x 45°) with Cover

solid bottom

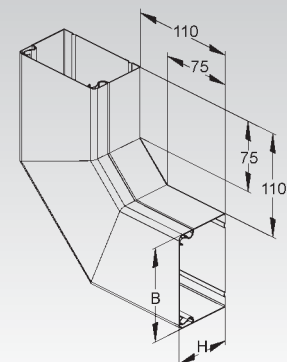
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>E3</b> LUWD 60.060 E3	60/2,3	60/2,3	732104	57
<b>E3</b> LUWD 60.100 E3	60/2,3	100/3,9	732203	74
<b>E3</b> LUWD 60.200 E3	60/2,3	200/7,8	732302	128

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Elbow Building Block (75 mm)

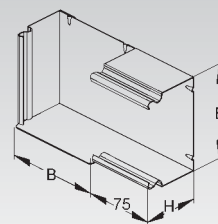
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUWE 60.060	60/2,3	60/2,3	—	767700	19,5
<b>S</b> LUWE 60.100	60/2,3	100/3,9	—	767809	31,5
<b>S</b> LUWE 60.150	60/2,3	150/5,8	—	767908	50
<b>S</b> LUWE 60.200	60/2,3	200/7,8	—	768004	76,3
<b>C</b> LUWE 60.060 W	60/2,3	60/2,3	9001	768103	24
<b>C</b> LUWE 60.100 W	60/2,3	100/3,9	9001	768202	31,5
<b>C</b> LUWE 60.200 W	60/2,3	200/7,8	9001	768400	56,5

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Horizontal Tee with Cover

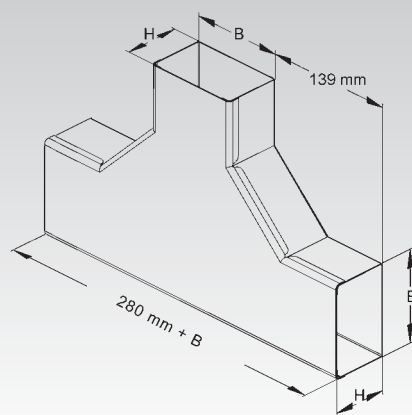
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUTC 40.060	40/1,6	60/2,3	—	514700	57
<b>C</b> LUTC 40.060 W	40/1,6	60/2,3	9001	515110	88,5
<b>E3</b> LUTC 40.060 E3	40/1,6	60/2,3	—	523603	57

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

40



### Horizontal Tee with Cover

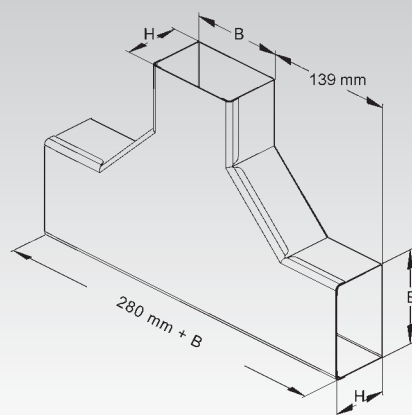
model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LUTC 60.060	60/2,3	60/2,3	—	514809	60
<b>S</b> LUTC 60.100	60/2,3	100/3,9	—	514908	80
<b>S</b> LUTC 60.150	60/2,3	150/5,8	—	515004	100
<b>S</b> LUTC 60.200	60/2,3	200/7,8	—	515103	130
<b>C</b> LUTC 60.060 W	60/2,3	60/2,3	9001	515134	60
<b>C</b> LUTC 60.100 W	60/2,3	100/3,9	9001	515158	80
<b>C</b> LUTC 60.150 W	60/2,3	150/5,8	9001	515172	100
<b>C</b> LUTC 60.200 W	60/2,3	200/7,8	9001	515196	130
<b>E3</b> LUTC 60.060 E3	60/2,3	60/2,3	—	523702	60
<b>E3</b> LUTC 60.100 E3	60/2,3	100/3,9	—	523801	80

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



# SURFACE METAL RACEWAY

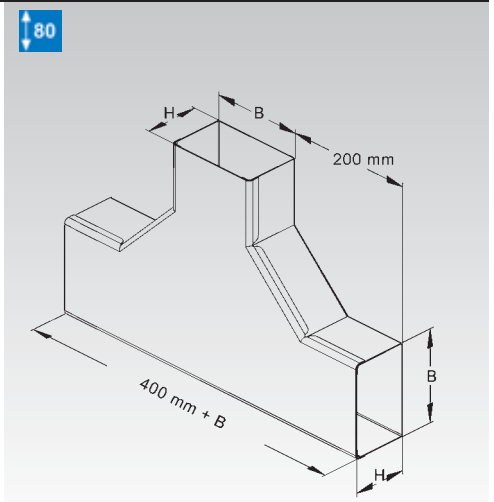
## Horizontal Tee with Cover

model no.	height (H)	width B	RAL colour	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch			
<b>S</b> LUTC 80.080	80/3,1	80/3,1	—	799800	90
<b>C</b> LUTC 80.080 W	80/3,1	80/3,1	9001	813858	
<b>E3</b> LUTC 80.080 E3	80/3,1	80/3,1	—	798704	80

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



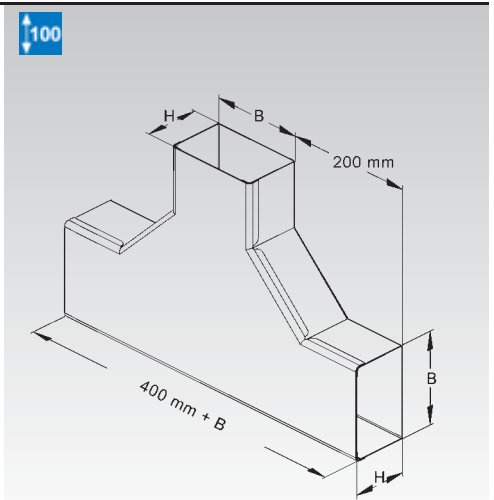
## Horizontal Tee with Cover

model no.	height (H)	width B	RAL colour	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch			
<b>S</b> LUTC 100.100	100/3,9	100/3,9	—	799855	120
<b>C</b> LUTC 100.100 W	100/3,9	100/3,9	9001	813902	
<b>E3</b> LUTC 100.100E3	100/3,9	100/3,9	—	798728	110

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



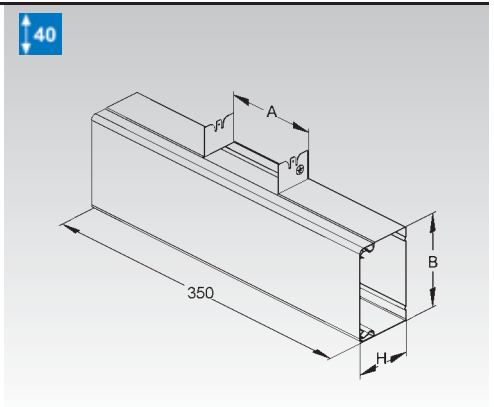
## Horizontal Tee with Cover

model no.	height (H)	width B	width of exit A	RAL colour	EAN code	Weight per 100 pc. kg
	mm/Inch	mm/Inch	mm/Inch			
<b>S</b> LUT 4.4.4	40/1,6	40/1,6	40	—	792207	27
<b>S</b> LUT 4.6.4	40/1,6	60/2,3	40	—	792252	27
<b>C</b> LUT 4.4.4 W	40/1,6	40/1,6	40	9001	792405	
<b>C</b> LUT 4.6.4 W	40/1,6	60/2,3	40	9001	792450	
<b>E3</b> LUT 4.4.4 E3	40/1,6	40/1,6	40	—	523924	27
<b>E3</b> LUT 4.6.4 E3	40/1,6	60/2,3	40	—	523948	27

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.





### Horizontal Tee with Cover

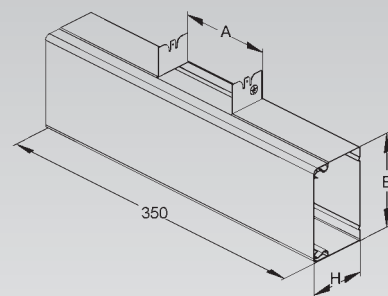
	model no.	height (H) mm/Inch	width B mm/Inch	width of exit A mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
S	LUT 6.6.6	60/2,3	60/2,3	60	—	515202	43
S	LUT 6.10.6	60/2,3	100/3,9	60	—	515301	52
S	LUT 6.10.10	60/2,3	100/3,9	100	—	515400	52
S	LUT 6.15.6	60/2,3	150/5,8	60	—	515509	74
S	LUT 6.15.10	60/2,3	150/5,8	100	—	515608	74
S	LUT 6.15.15	60/2,3	150/5,8	150	—	515707	74
S	LUT 6.20.6	60/2,3	200/7,8	60	—	515806	87
S	LUT 6.20.10	60/2,3	200/7,8	100	—	515905	87
S	LUT 6.20.15	60/2,3	200/7,8	150	—	516001	87
S	LUT 6.20.20	60/2,3	200/7,8	200	—	516100	87
C	LUT 6.6.6 W	60/2,3	60/2,3	60	9001	709205	43
C	LUT 6.10.6 W	60/2,3	100/3,9	60	9001	516117	52
C	LUT 6.10.10 W	60/2,3	100/3,9	100	9001	709304	52
C	LUT 6.15.6 W	60/2,3	150/5,8	60	9001	516124	74
C	LUT 6.15.10 W	60/2,3	150/5,8	100	9001	516131	74
C	LUT 6.15.15 W	60/2,3	150/5,8	150	9001	709403	74
C	LUT 6.20.6 W	60/2,3	200/7,8	60	9001	516148	87
C	LUT 6.20.10 W	60/2,3	200/7,8	100	9001	516155	87
C	LUT 6.20.15 W	60/2,3	200/7,8	150	9001	516162	87
C	LUT 6.20.20 W	60/2,3	200/7,8	200	9001	709502	87
E3	LUT 6.6.6 E3	60/2,3	60/2,3	60	—	798803	43
E3	LUT 6.10.6 E3	60/2,3	100/3,9	60	—	798810	52
E3	LUT 6.10.10 E3	60/2,3	100/3,9	100	—	798827	52
E3	LUT 6.20.6 E3	60/2,3	200/7,8	60	—	798834	87
E3	LUT 6.20.10 E3	60/2,3	200/7,8	100	—	798841	87
E3	LUT 6.20.20 E3	60/2,3	200/7,8	200	—	798858	87

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Horizontal Tee with Cover

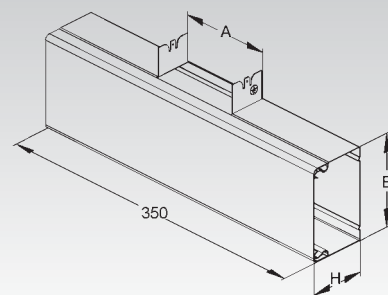
	model no.	height (H) mm/Inch	width B mm/Inch	width of exit A mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
S	LUT 8.8.8	80/3,1	80/3,1	80	—	792306	65
C	LUT 8.8.8 W	80/3,1	80/3,1	80	9001	516186	
E3	LUT 8.8.8 E3	80/3,1	80/3,1	80	—	523962	65

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

80



### Horizontal Tee with Cover

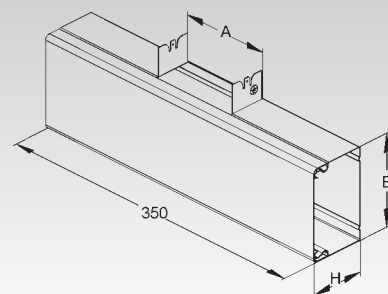
	model no.	height (H) mm/Inch	width B mm/Inch	width of exit A mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
S	LUT 10.10.10	100/3,9	100/3,9	100	—	792351	80
C	LUT 10.10.10 W	100/3,9	100/3,9	100	9001	516193	
E3	LUT 10.10.10E3	100/3,9	100/3,9	100	—	523986	80

To be used for: Surface Metal Raceway

Splice plates to be ordered separately.

LS type raceway has to be grounded properly. Use boltless splice plate LST or LSTA to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

100



# SURFACE METAL RACEWAY

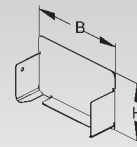
## End-Cap

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LED 40.040	40/1,6	40/1,6	—	517763	2
<b>S</b> LED 40.060	40/1,6	60/2,3	—	517800	4
<b>C</b> LED 40.040 W	40/1,6	40/1,6	9001	792603	2
<b>C</b> LED 40.060 W	40/1,6	60/2,3	9001	708208	4
<b>C</b> LED 40.040 R	40/1,6	40/1,6	9010	832804	—
<b>C</b> LED 40.060 R	40/1,6	60/2,3	9010	832835	—
<b>E3</b> LED 40.040 E3	40/1,6	40/1,6	—	524167	2
<b>E3</b> LED 40.060 E3	40/1,6	60/2,3	—	524204	4

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.

40



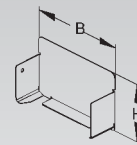
## End-Cap

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LED 60.060	60/2,3	60/2,3	—	517909	4
<b>S</b> LED 60.100	60/2,3	100/3,9	—	518005	5
<b>S</b> LED 60.150	60/2,3	150/5,8	—	518104	5
<b>S</b> LED 60.200	60/2,3	200/7,8	—	518203	6
<b>C</b> LED 60.060 R	60/2,3	60/2,3	9010	832866	—
<b>C</b> LED 60.100 R	60/2,3	100/3,9	9010	832897	—
<b>C</b> LED 60.150 R	60/2,3	150/5,8	9010	832927	—
<b>C</b> LED 60.200 R	60/2,3	200/7,8	9010	832958	—
<b>C</b> LED 60.060 W	60/2,3	60/2,3	9001	708307	4
<b>C</b> LED 60.100 W	60/2,3	100/3,9	9001	708406	5
<b>C</b> LED 60.150 W	60/2,3	150/5,8	9001	708505	5
<b>C</b> LED 60.200 W	60/2,3	200/7,8	9001	708604	6
<b>E3</b> LED 60.060 E3	60/2,3	60/2,3	—	524303	4
<b>E3</b> LED 60.100 E3	60/2,3	100/3,9	—	524402	5
<b>E3</b> LED 60.200 E3	60/2,3	200/7,8	—	524501	6

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.

60



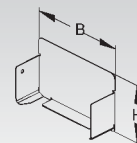
## End-Cap

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LED 80.080	80/3,1	80/3,1	—	792504	5
<b>C</b> LED 80.080 W	80/3,1	80/3,1	9001	792658	5
<b>C</b> LED 80.080 R	80/3,1	80/3,1	9010	832972	—
<b>E3</b> LED 80.080 E3	80/3,1	80/3,1	—	524549	4

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.

80



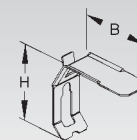
## Cable Support Clamp

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>E2</b> LHS 60.100 E2	60/2,3	55/2,1	517206	2
<b>E2</b> LHS 60.150 E2	60/2,3	105/4,1	517305	3
<b>E2</b> LHS 60.200 E2	60/2,3	155/6	517404	4
<b>E2</b> LHS 80.080 E2	80/3,1	35/1,4	517442	2
<b>E2</b> LHS 100.100 E2	100/3,9	55/2,1	517466	3

to easy installation of cables

To be used for: Surface Metal Raceway

60 100 80

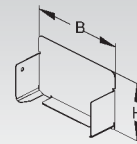


## End-Cap

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
<b>S</b> LED 100.100	100/3,9	100/3,9	—	792559	6
<b>C</b> LED 100.100 W	100/3,9	100/3,9	9001	792702	6
<b>C</b> LED 100.100 R	100/3,9	100/3,9	9010	832996	
<b>E3</b> LED 100.100 E3	100/3,9	100/3,9	—	524563	6

To be used for: Surface Metal Raceway  
Equipotential bonding guaranteed after proper installation.

100



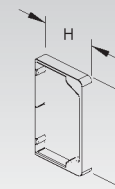
## End-Protection Ring

dark grey

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>K04</b> LER 40.040	40/1,6	40/1,6	865109	
<b>K04</b> LER 40.060	40/1,6	60/2,3	865154	
<b>K04</b> LER 60.060	60/2,3	60/2,3	865208	
<b>K04</b> LER 60.100	60/2,3	100/3,9	865253	
<b>K04</b> LER 80.080	80/3,1	80/3,1	887705	
<b>K04</b> LER 100.100	100/3,9	100/3,9	887750	

To be used for: Surface Metal Raceway  
Can be mounted after installation.

60 40 100 80



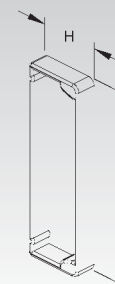
## End-Protection Ring

black

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>K10</b> LES 60.150	60/2,3	150/5,8	518258	5,5
<b>K10</b> LES 60.200	60/2,3	200/7,8	518265	6

To be used for: Surface Metal Raceway  
In case of subsequent installation you must cut the end protection ring and put it around the cables.

60



## Equipotential Bonding Wire

cross sectional area 2,5 mm<sup>2</sup>, with 1 blade receptacle 6,3 mm and 1 wire end sleeve

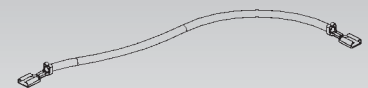
model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>Cu</b> GSL 150	150/5,8	461608	0,8



## Equipotential Bonding Wire

cross sectional area 2,5 mm<sup>2</sup>, with 2 blade receptacles 6,3 mm

model no.	length (A) mm/Inch	EAN code	Weight per 100 pc. kg
<b>Cu</b> GSLH 200	200/7,8	461707	1
<b>Cu</b> GSLH 350	350/13,6	461745	1,5



Corrosion resistant steels (chrome-nickel-steel) show high electric resistance. Please connect an extra ground wire to the bottom of the surface metal raceway for better equipotential bonding. Please use a boltless splice plate type LST and an equipotential bonding jumper type GSL 150 for easy installation.

Please use a "vampire" type clamp to interconnect the grounding wire  
Equipotential bonding of covers is guaranteed by the snap on mechanism.

# SURFACE METAL RACEWAY

## Surface Metal Raceway for Industrial Applications (without cover)

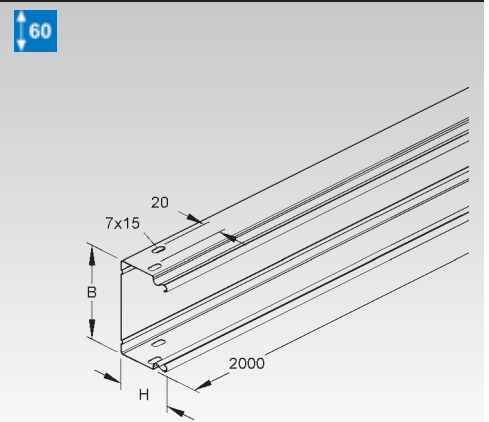
solid bottom

model no.	height (H)	width B	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch		
S LUE 60.060	60/2,3	60/2,3	532728	120
S LUE 60.100	60/2,3	100/3,9	532742	144
S LUE 60.150	60/2,3	150/5,8	532766	208
S LUE 60.200	60/2,3	200/7,8	532780	243

with extra punch holes at both ends for bolted splices

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



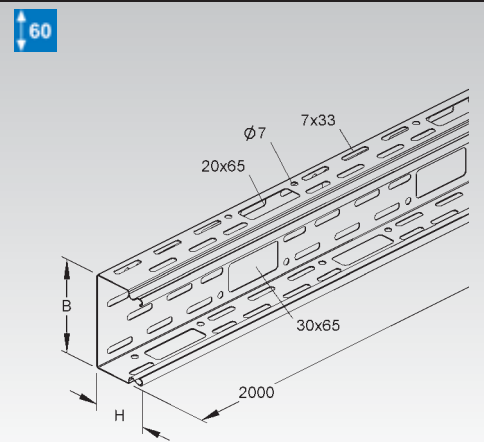
## Surface Metal Raceway for Industrial Applications (without cover)

model no.	height (H)	width B	EAN code	Weight per 100 m kg
	mm/Inch	mm/Inch		
S LI 60.060	60/2,3	60/2,3	531905	90
S LI 60.100	60/2,3	100/3,9	532001	108
S LI 60.150	60/2,3	150/5,8	532100	156
S LI 60.200	60/2,3	200/7,8	532209	182
S LI 60.300	60/2,3	300/11,7	532254	

with large dropouts for cables in the bottom and in the side rails

Splice plates to be ordered separately.

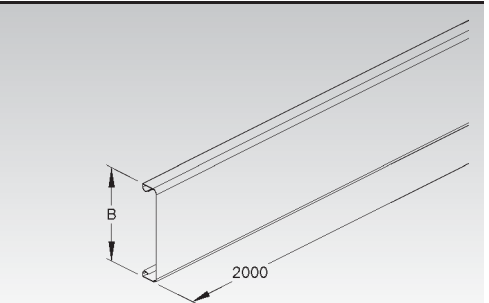
LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.



## Cover

model no.	width B	EAN code	Weight per 100 m kg
	mm/Inch		
S LD 60	60/2,3	508501	65
S LD 100	100/3,9	508600	89
S LD 150	150/5,8	508808	142
S LD 200	200/7,8	508907	177
S LD 300	300/11,7	889808	

To be used for: Surface Metal Raceway

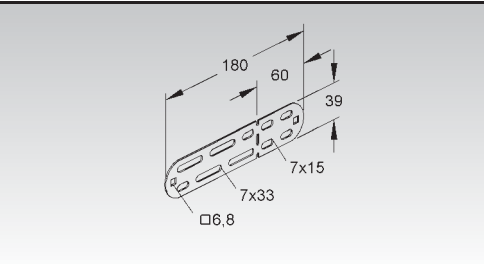


## Universal Splice Plate

Bolted Splice Plate

model no.	Mounting accessories	EAN code	Weight per 100 pc. kg
S LIV 60	4 FLM 6x12	532704	8

for electrically and mechanically connecting the bottom parts of the raceways in one step



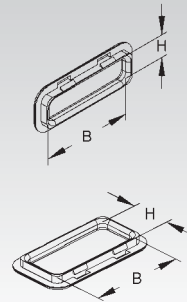
### Edge Protection Ring

model no.	inside dimension (H) mm/Inch	inside dimension (B) mm/Inch	convenient for mm/Inch	EAN code	Weight per 100 pc. kg
K03 <b>KSR 20</b>	14,5	58	20 x 65 mm	258703	0,5
K03 <b>KSR 30</b>	24	58	30 x 65 mm	258802	0,5

to protect cables against damages at the dropouts of tray or surface metal raceway

**To prevent accidents and injuries you must install the edge protection ring.**

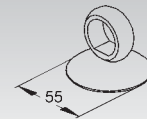
To be used for: distribution cable tray RSV 50..., industrial surface metal raceway and for edge protection of punched square holes using BL 20/30.65



### Lifting Device for Covers

model no.	EAN code	Weight per 100 pc. kg
<b>DH 55</b>	417483	2

for fast dismantling of steel covers, min. width 60 mm

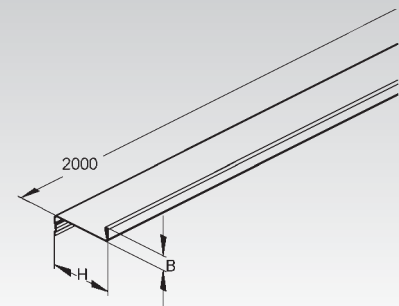


### Barrier Strip

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 m kg
<b>S TPS 50</b>	50/2	11/0,4	459247	78

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.

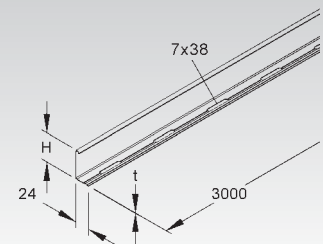


### Barrier Strip

model no.	height (H) mm/Inch	thick-ness (t) mm/Inch	acc. incl.	EAN code	Weight per 100 m kg
<b>S RW 60</b>	55/2,1	0,75	4 FLM 6x12	225002	50

to separate wires and cables of different voltage levels or with different functions

Continuous perforation allows mounting without gradation. Slots (7x38 mm) are spaced at 100 mm.

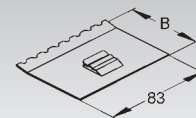


### Mounting Plate for Barrier Strip

model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
<b>S TPH 60</b>	59/2,3	806003	3

To be used for: GK and LS type raceway

Equipotential bonding guaranteed after proper installation.





# SURFACE METAL RACEWAY

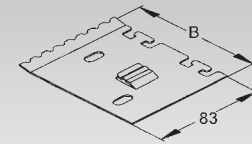
## Mounting Plate for Barrier Strip

with strain relief

	model no.	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	LZTP 100	99/3,9	833009	
S	LZTP 150	149/5,8	833054	
S	LZTP 200	199/7,8	833108	

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.



## Vertical Outside Elbow 45° incl. Cover

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	LEAB 60.060	60/2,3	60/2,3	534807	42
S	LEAB 60.100	60/2,3	100/3,9	534906	48
S	LEAB 60.150	60/2,3	150/5,8	535002	59
S	LEAB 60.200	60/2,3	200/7,8	535101	72

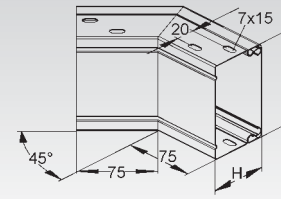
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## Vertical Inside Elbow 45° incl. Cover

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	LEIB 60.060	60/2,3	60/2,3	534401	36
S	LEIB 60.100	60/2,3	100/3,9	534500	46
S	LEIB 60.150	60/2,3	150/5,8	534609	58
S	LEIB 60.200	60/2,3	200/7,8	534708	71

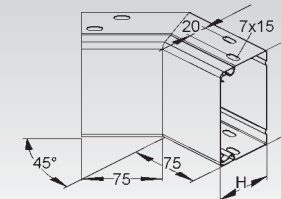
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



## 45° Elbow with Cover

	model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S	LEWB 60.060	60/2,3	60/2,3	534005	38
S	LEWB 60.100	60/2,3	100/3,9	534104	49
S	LEWB 60.150	60/2,3	150/5,8	534203	66
S	LEWB 60.200	60/2,3	200/7,8	534302	85

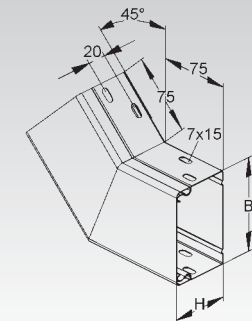
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Outside Elbow 90° incl. Cover

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S LEAC 60.060	60/2,3	60/2,3	533602	53
S LEAC 60.100	60/2,3	100/3,9	533701	60
S LEAC 60.150	60/2,3	150/5,8	533800	74
S LEAC 60.200	60/2,3	200/7,8	533909	90

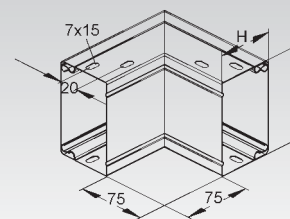
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### Vertical Inside Elbow 90° incl. Cover

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S LEIC 60.060	60/2,3	60/2,3	533206	45
S LEIC 60.100	60/2,3	100/3,9	533305	58
S LEIC 60.150	60/2,3	150/5,8	533404	73
S LEIC 60.200	60/2,3	200/7,8	533503	89

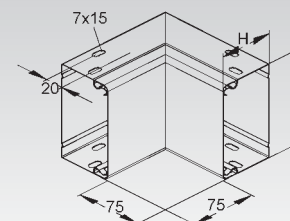
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



### 90° Elbow with Cover

model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
S LEWC 60.060	60/2,3	60/2,3	532803	47
S LEWC 60.100	60/2,3	100/3,9	532902	61
S LEWC 60.150	60/2,3	150/5,8	533008	83
S LEWC 60.200	60/2,3	200/7,8	533107	107

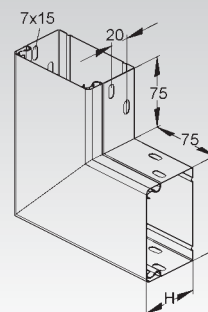
bottom part perforated for splices

To be used for: Surface Metal Raceway for Industrial Applications

Splice plates to be ordered separately.

LS type industrial raceway has to be grounded properly. Use bolted splice plate LIV 60 to interconnect straight sections and fittings. The equipotential bonding of covers is guaranteed by the snap on mechanism.

60



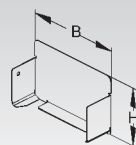
### End-Cap

model no.	height (H) mm/Inch	width B mm/Inch	RAL colour	EAN code	Weight per 100 pc. kg
S LED 60.060	60/2,3	60/2,3	—	517909	4
S LED 60.100	60/2,3	100/3,9	—	518005	5
S LED 60.150	60/2,3	150/5,8	—	518104	5
S LED 60.200	60/2,3	200/7,8	—	518203	6

To be used for: Surface Metal Raceway

Equipotential bonding guaranteed after proper installation.

60



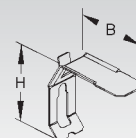
### Cable Support Clamp

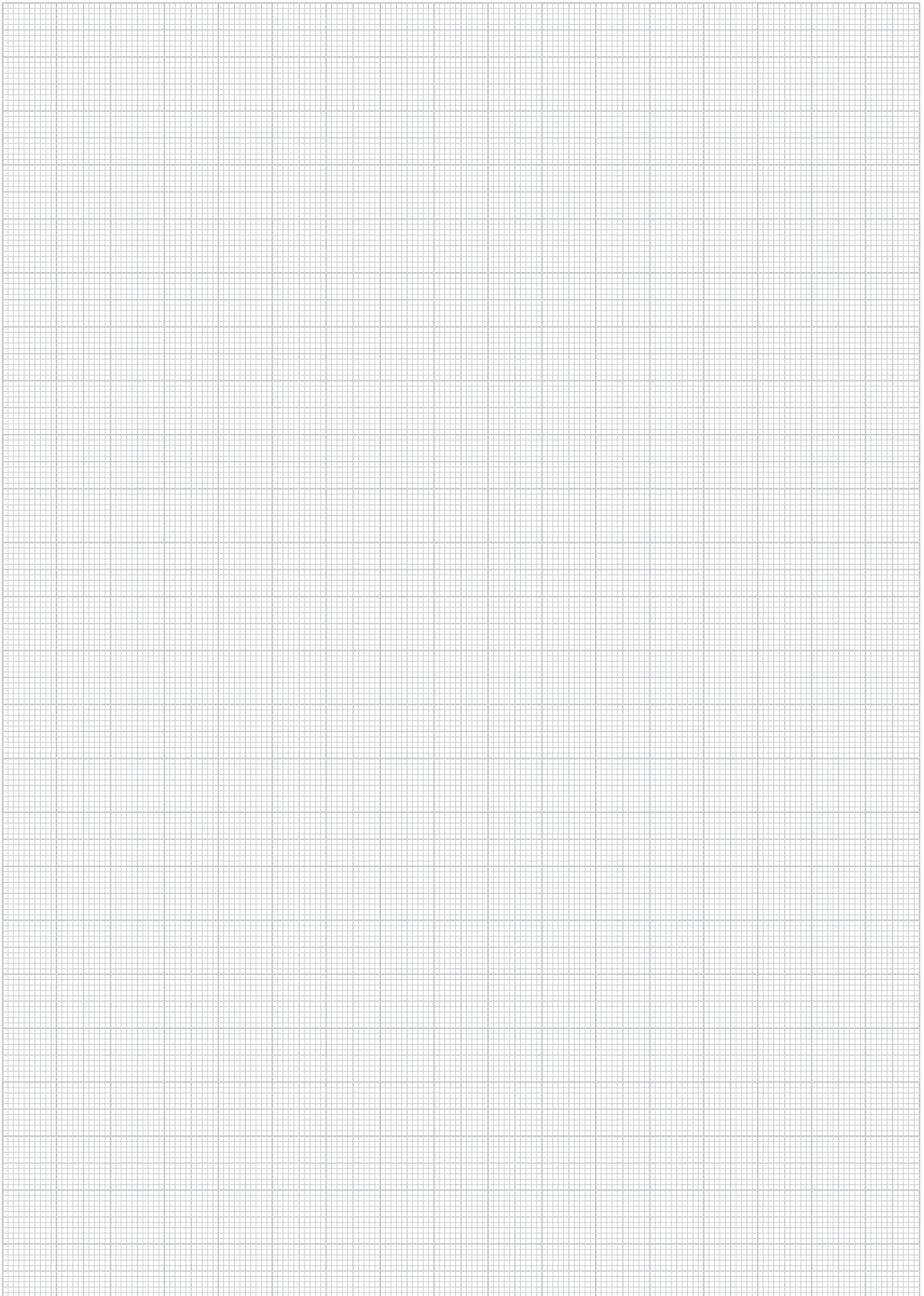
model no.	height (H) mm/Inch	width B mm/Inch	EAN code	Weight per 100 pc. kg
E2 LHS 60.100 E2	60/2,3	55/2,1	517206	2
E2 LHS 60.150 E2	60/2,3	105/4,1	517305	3
E2 LHS 60.200 E2	60/2,3	155/6	517404	4

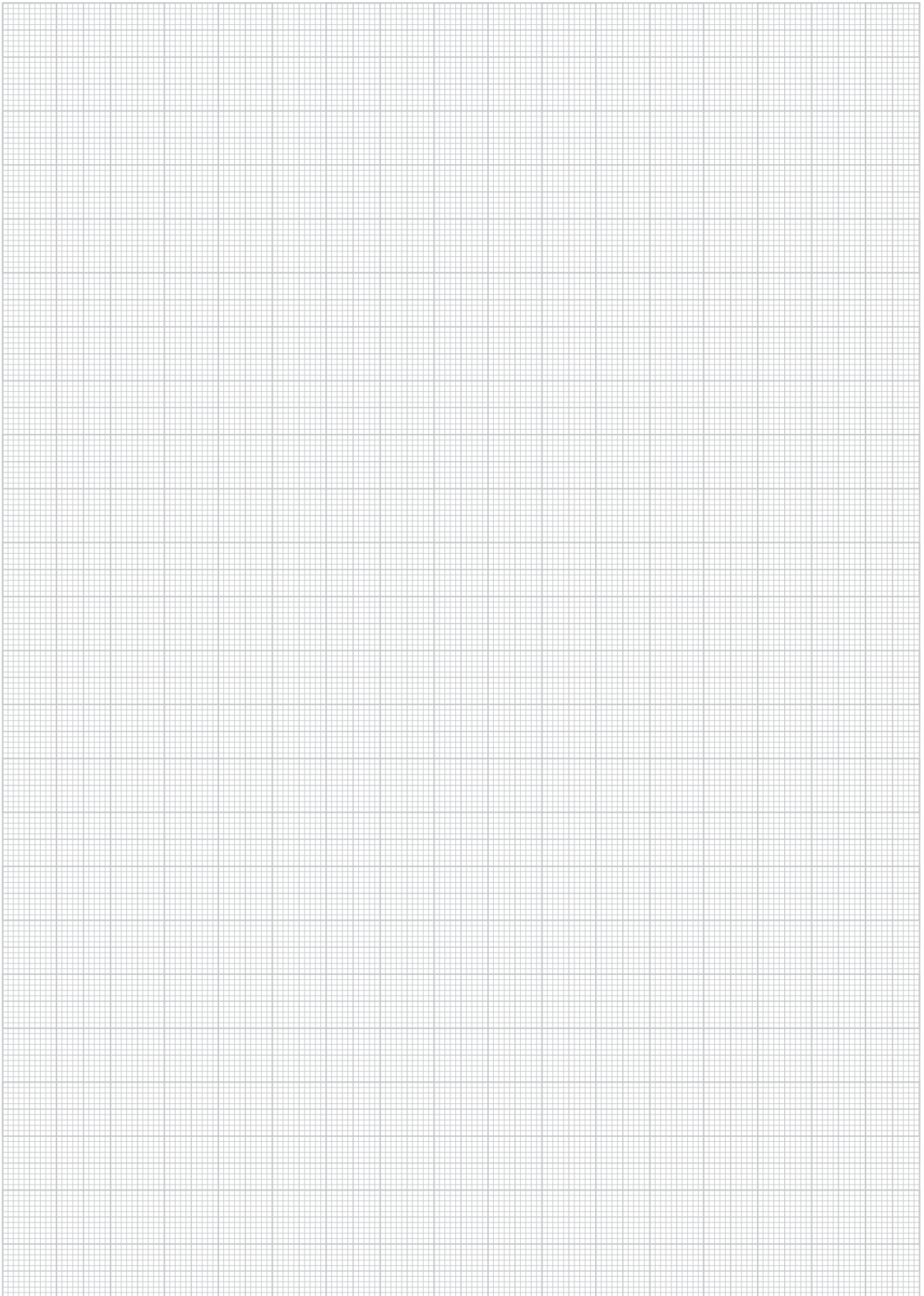
to easy installation of cables

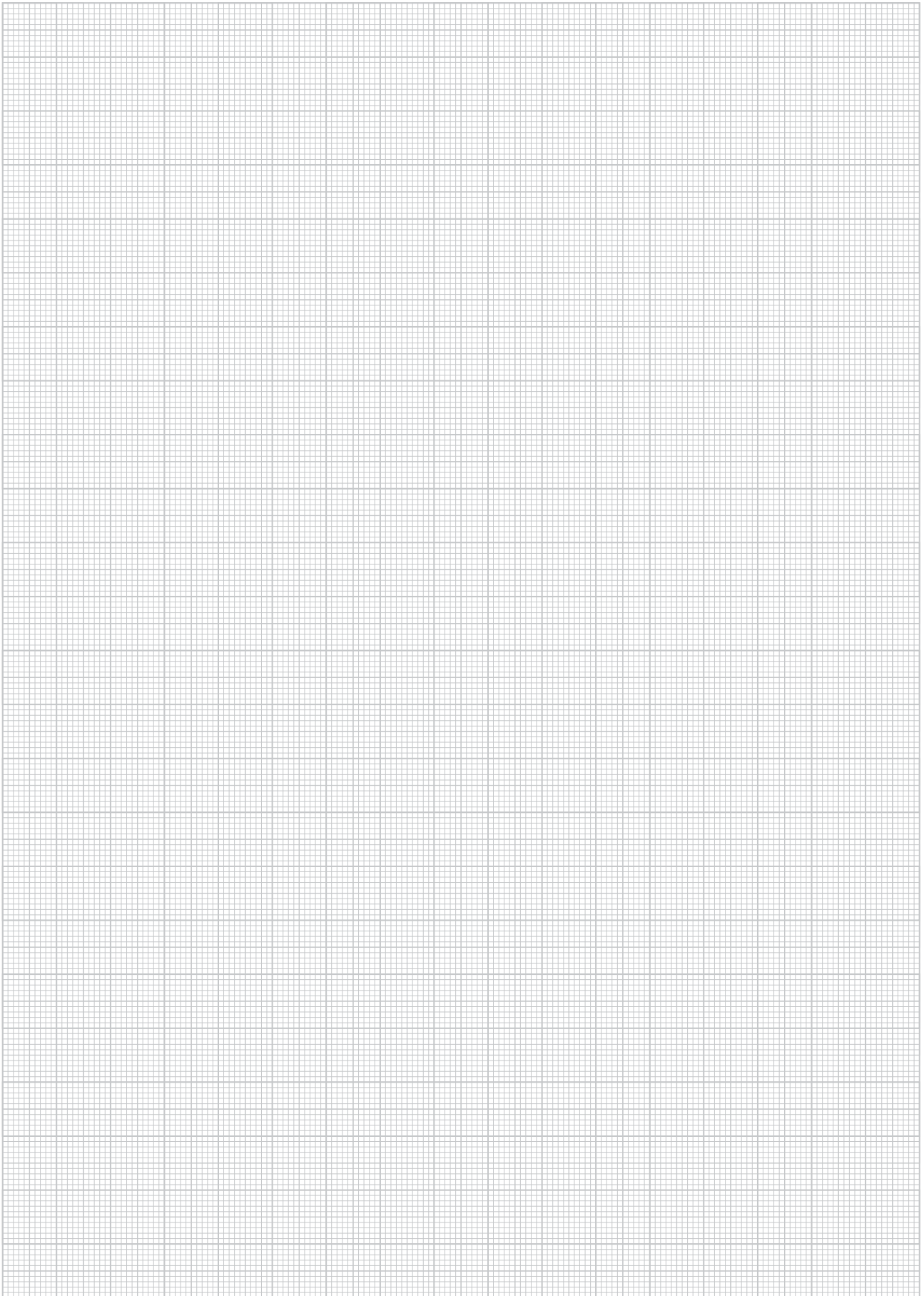
To be used for: Surface Metal Raceway

60











# Conversion table of dimensions



**1 inch = 25.4 millimeters (mm)**

**1 millimeter (mm) = 0.039 inch**

Material Thickness																
mm	0.6	0.75	0.8	0.9	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0
inch	0.02	0.03	0.03	0.04	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.24	0.28	0.31

Product Length																
mm	30	40	50	70	80	85	90	100	120	130	150	200	250	300	350	400
inch	1.18	1.57	1.97	2.76	3.15	3.35	3.54	3.94	4.72	5.12	5.91	7.87	9.84	11.81	13.78	15.75
mm	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
inch	17.72	19.69	21.65	23.62	27.56	31.50	35.43	39.37	43.31	47.24	51.18	55.12	59.06	62.99	66.93	70.87
mm	1900	2000	3000	4500	6000											
inch	74.80	78.74	118.11	177.17	236.22											

Product Width																
mm	40	50	60	70	75	90	100	120	150	200	250	300	400	500	550	600
inch	1.57	1.97	2.36	2.76	2.95	3.54	3.94	4.72	5.91	7.87	9.84	11.81	15.75	19.69	21.65	23.62
mm	700	800	900	1000	1100	1200										
inch	27.56	31.50	35.43	39.37	43.31	47.24										

Product Height																
mm	10	15	20	25	30	35	40	50	60	85	100	105	110	150	200	
inch	0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.97	2.36	3.35	3.94	4.13	4.33	5.91	7.87	

**1 pound (lbs) = 0.453 kilogram (kg)**

**1 kilogram (kg) = 2.204 pounds (lbs)**

Product Weight																
kg	10	20	30	40	45	50	55	60	65	70	75	80	85	90	95	100
lbs	22.05	44.09	66.14	88.18	99.21	110.23	121.25	132.28	143.30	154.32	165.35	176.37	187.39	198.42	209.44	220.46
kg	105	110	115	120	125	130	135	140	150	160	170	180	190	200	210	220
lbs	231.49	242.50	253.53	264.55	275.58	286.60	297.62	308.65	330.69	352.74	374.79	396.83	418.88	440.92	462.97	485.02



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