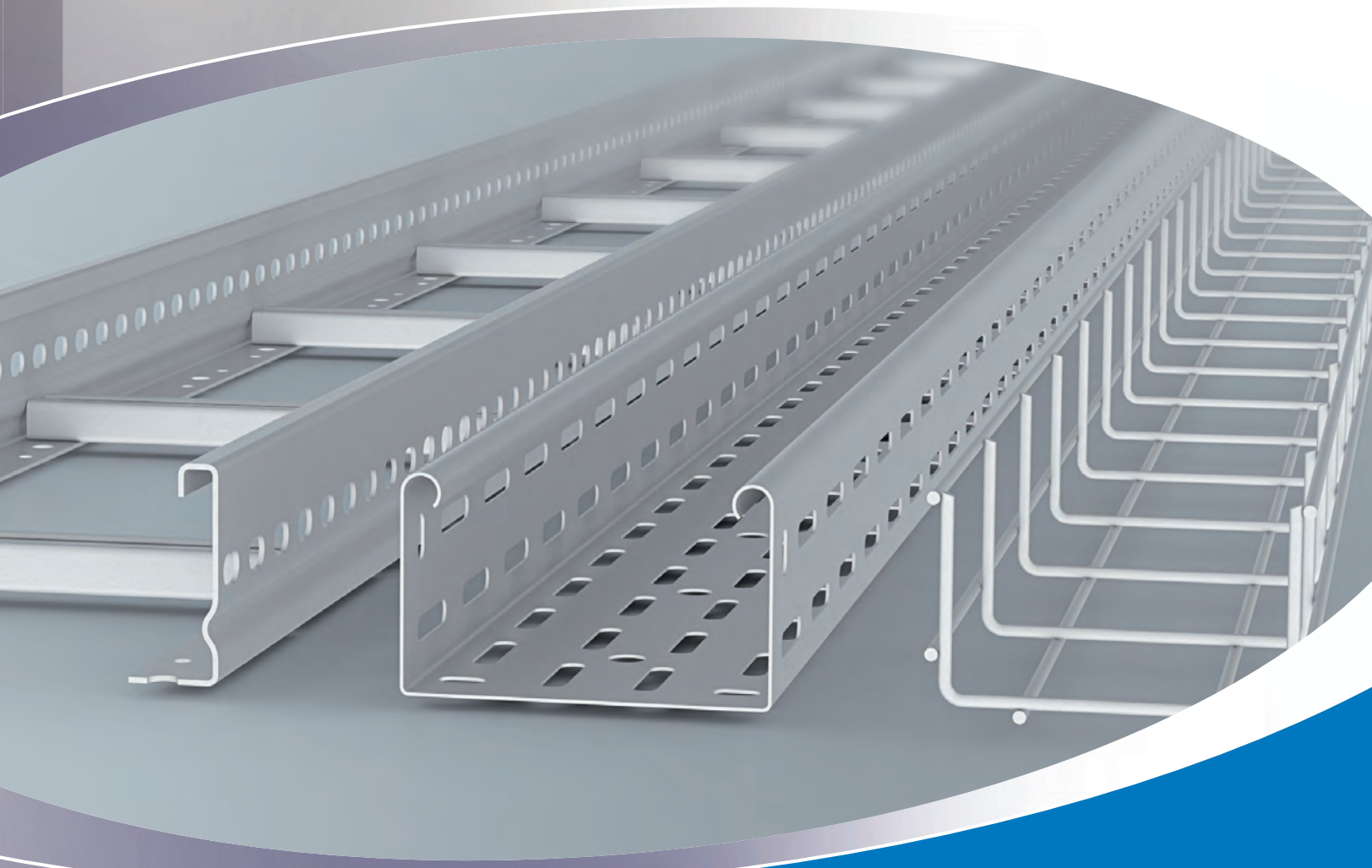




CABLE TRAY SYSTEMS

2015

ICONS

Steel

B	Steel, bare
V	Steel, galvanized according to DIN EN ISO 50 961/50979 und DIN EN ISO 2081, blued
G	Steel, galvanized according to DIN EN ISO 50 961/50979 und DIN EN ISO 2081, passivated
S	Steel, pre-galvanized according to DIN EN ISO 10 346
F	Steel, hot dip galvanized after fabrication (HDGAF) according to DIN EN ISO 1461 (Replacement for DIN EN ISO 50 976)
FD	Steel, hot dip galvanized after fabrication (HDGAF), double dip method
SB	Steel, black-oxide finish
FG	Steel, geomet® galvanized
DV	Steel, wire galvanized according to DIN EN 10244-2
C	COLOR Steel, pre-galvanized and powdercoated



Stainless Steel

E1	Material Code.: 1.4016	E4	Material Code.: 1.4401, 1.4404	E7	Material Code.: 1.4547
E2	Material Code.: 1.4310 (AISI 304)	E5	Material Code.: 1.4571 (AISI 316)	E8	Material Code.: 1.4430
E3	Material Code.: 1.4301 (AISI 304)	E6	Material Code.: 1.4529	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	K14	POM - Polyacetal
K02	PS - Polystyrene, non halogen, impact resistant	K15	SBR - Styrene-Butadiene Rubber
K03	PE - Polyethylene, non halogen	K16	CR/NBR - Chloroprene/Nitrile Rubber
K04	PP - Polypropylene, non halogen	K17	CR/SBR - Chloroprene/Styrene-Butadiene Rubber
K05	PC - Polycarbonate, non halogen	K18	TPE - Thermoplastic Elastomer
K06	SBR/NBR - Styrene-Butadiene/Nitrile Rubber	K19	FS 31 - Phenolic Resin
K07	CR - Chloroprene Rubber	K20	SI - Silicone Rubber
K08	NBR - Nitrile Rubber	K21	PUR - Polyurethane
K09	PVC hard - Hard Polyvinylchloride	K22	PET - Polyethylene Terephthalate, halogen free
K10	PVC - Polyvinylchloride	K23	GRP - Glass-Fiber Reinforced Polyester, halogen free
K11	ABS - Acrylonitrile-Butadiene-Styrene	C1	Epoxy Coating
K12	ASA - Acrylate-Styrol-Acrylonitrile Copolymer		

New	Reference Note	Siderail Height in mm
Info	Hardware	Wire Diameter in mm
Installation Instructions	Fast Install	Phase Out Model

All Cable Tray and Ladder Products listed in this catalog are



Cable Tray System Products are classified by UL in accordance to NEMA VE1-2009 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 compatability 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.

Alphabetical table of contents Type listing

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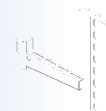
General Information

- Material Handling
- Finishes
- Corrosion Protection
- Installation Instructions



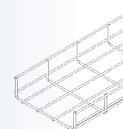
Support System

- Hangers
- Brackets
- Profiles
- Head Plates



Wire Mesh Tray System

- Wire Mesh Trays
- Barrier Strips
- Covers
- Accessories



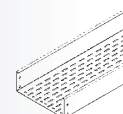
Cable Tray System

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



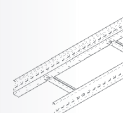
Walkable Cable Tray System

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



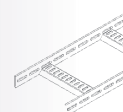
Cable Ladder System

- Cable Ladders
- Fittings
- Covers
- Accessories



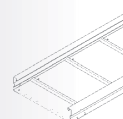
Marine Cable Ladder System

- Cable Ladders
- Rungs
- Splice Plates



Long Span System

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



Surface Metal Raceway

- Surface Metal Raceways
- Fittings
- Accessoires

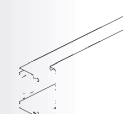


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GRS 60.300 F	892280	125	GTTW 3 S	058785	137	HSK 25 E3	768806	101
GRS 60.400	782000	125	GTTW 300 S	080854	100	HSK 30	196005	101
GRS 60.400 E3	903542	126	GTTW 300 S	080854	137	HSK 30 E3	768905	101
GRS 60.400 F	892303	125	GTTW 500 S	080861	100	HSK 35	196302	101
GRS 60.450	967452	125	GTTW 500 S	080861	137	HSK 35 E3	769001	101
GRS 60.450 E3	967476	126	GTTW 600 S	082230	100	HSK 40	196401	101
GRS 60.450 F	967469	125	GTTW 600 S	082230	137	HSK 40 E3	769100	101
GRS 60.500	782024	125	GTVL 300 E3	058822	130	HSKS 10	196425	82
GRS 60.500 E3	903566	126	GTVL 300 V	058839	130	HSKS 10	196425	101
GRS 60.500 F	892327	125	GTVM 6x25 E4	079452	130	HSKS 15	196432	82
GRS 60.600	782048	125	GTVM 6X25 FG	058846	130	HSKS 15	196432	101
GRS 60.600 E3	903580	126	GTVM 6X25 V	058853	130	HSKS 20	196449	82
GRS 60.600 F	935758	125	GTZP 30/150 F	059010	137	HSKS 20	196449	101
GRSM 6 E3	343799	132	GTZP 30/150 S	059027	137	HSKS 25	196456	82
GRSM 6 F	940554	132	GWU 12	109609	116	HSKS 25	196456	101
GRSM 6 V	280506	132	GWU 14	109708	116	HSKS 30	196463	82
GRVC 14	280308	132	GWU 16	110001	116	HSKS 30	196463	101
GRVC 14 E3	841509	132	GWU 18	110100	116	HSKS 35	196470	82
GRVC 14 F	280339	132	GWU 22	110209	116	HSKS 35	196470	101
GRVS 4	280353	130	GWU 26	110308	116	HSKS 40	196487	82
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GRWV 20/250 F	280452	131	GWU 54	111008	116	HU 5050/250	858729	87
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GSF 0408	119707	108	HDS 60.40 E3	931743	93	HU 5050/600	858804	87
GSM 406	118601	108	HDS 60.40 F	931729	93	HU 5050/700	858828	87
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GTBT 50 FG	057962	137	HI 80/1300	179503	95	HU 6040/1000 E3	891917	91
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HU 6040/200 E3	891825	91	KLAB 200 E3	900121	217	KLMUB 40.200 F	072828	226
HU 6040/2000	891580	91	KLAB 200 F	900176	217	KLMUB 40.300 F	060511	226
HU 6040/2000 E3	891955	91	KLAB 300	287505	217	KLMUB 40.400 F	060528	226
HU 6040/250	891467	91	KLAB 300 E3	900138	217	KLMUB 40.500 F	060535	226
HU 6040/250 E3	891832	91	KLAB 300 F	900183	217	KLMUB 40.600 F	060542	226
HU 6040/300	891474	91	KLAB 400	287604	217	KLMUB 40.700 F	080151	226
HU 6040/300 E3	891849	91	KLAB 400 E3	900145	217	KLMUB 40.900 F	082421	226
HU 6040/400	891481	91	KLAB 400 F	900190	217	KLMUBB 40.100 F	935109	226
HU 6040/400 E3	891856	91	KLAB 500	287703	217	KLMUBB 40.150 F	935116	226
HU 6040/500	891498	91	KLAB 500 E3	900152	217	KLMUBB 40.200 F	935123	226
HU 6040/500 E3	891863	91	KLAB 500 F	900206	217	KLMUBB 40.300 F	935147	226
HU 6040/600	891504	91	KLAB 600	287802	217	KLMUBB 40.400 F	935154	226
HU 6040/600 E3	891870	91	KLAB 600 E3	900169	217	KLMUBB 40.500 F	935161	226
HU 6040/700	891511	91	KLAB 600 F	900213	217	KLMUBB 40.600 F	935178	226
HU 6040/700 E3	891887	91	KLAS 100	295005	217	KLMUBB 40.700 F	935185	226
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HU 6040/800 E3	891894	91	KLBG 100.203 F	904204	215	KLMUL 40.100 F	932825	225
HU 6040/900	891535	91	KLBG 100.303	903764	215	KLMUL 40.150 F	932849	225
HU 6040/900 E3	891900	91	KLBG 100.303 F	904228	215	KLMUL 40.200 F	932863	225
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HUF 50/1000 E3	872466	83	KLBG 100.403 F	904242	215	KLMUL 40.300 F	932900	225
HUF 50/200	168705	83	KLBG 100.503	903788	215	KLMUL 40.400 F	932924	225
HUF 50/200 E3	327300	83	KLBG 100.503 F	904266	215	KLMUL 40.500 F	932948	225
HUF 50/250	168804	83	KLBG 100.603	903795	215	KLMUL 40.600 E5	075423	225
HUF 50/300	168903	83	KLBG 100.603 F	904280	215	KLMUL 40.600 F	932962	225
HUF 50/300 E3	327409	83	KLBK 100.203	903702	214	KLMUL 40.700 F	932986	225
HUF 50/400	169009	83	KLBK 100.203 F	904105	214	KLMUL 40.900 F	933020	225
HUF 50/400 E3	327508	83	KLBK 100.303	903719	214	KLMV 40	298808	225
HUF 50/500	169108	83	KLBK 100.303 F	904129	214	KLMV 40 E5	082384	225
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HUF 50/600	169207	83	KLBK 100.403 F	904143	214	KLT 100.203 F	904303	216
HUF 50/600 E3	327621	83	KLBK 100.503	903733	214	KLT 100.303	903818	216
HUF 50/700	169306	83	KLBK 100.503 F	904167	214	KLT 100.303 F	904327	216
HUF 50/700 E3	872404	83	KLBK 100.603	903740	214	KLT 100.403	903825	216
HUF 50/800	169405	83	KLBK 100.603 F	904181	214	KLT 100.403 F	904341	216
HUF 50/800 E3	872428	83	KLBKDV 200	938605	219	KLT 100.503	903832	216
HUF 50/900	169504	83	KLBKDV 200 F	938650	219	KLT 100.503 F	904365	216
HUF 50/900 E3	872442	83	KLBKDV 300	938612	219	KLT 100.603	903849	216
I 80/1000 FL	181100	96	KLBKDV 300 F	938667	219	KLT 100.603 F	904389	216
I 80/1500 FL	181209	96	KLBKDV 400	938629	219	KLTA 100.203	913701	215
I 80/2000 FL	181308	96	KLBKDV 400 F	938674	219	KLTA 100.203 F	904310	215
I 80/3000 FL	181407	96	KLBKDV 500	938636	219	KLTA 100.303	913725	215
I 80/6000 FL	181506	96	KLBKDV 500 F	938681	219	KLTA 100.303 F	904334	215
K 50	347605	83	KLBKDV 600	938643	219	KLTA 100.403	913749	215
K 5050	347025	87	KLBKDV 600 F	938698	219	KLTA 100.403 F	904358	215
KA 100-600	347056	79	KLK 100.203	903856	216	KLTA 100.503	913763	215
KA 100-600	347056	98	KLK 100.203 F	904402	216	KLTA 100.503 F	904372	215
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KGS 100.203 F	904501	216	KLK 100.303 F	904426	216	KLTA 100.603 F	904396	215
KGS 100.303	903917	216	KLK 100.403	903870	216	KLTB 6	282708	217
KGS 100.303 F	904525	216	KLK 100.403 F	904440	216	KLTB 6 E3	342006	217
KGS 100.403	903924	216	KLK 100.503	903887	216	KLTB 6 E5	730407	217
KGS 100.403 F	904549	216	KLK 100.503 F	904464	216	KLTB 6 F	282722	217
KGS 100.503	903931	216	KLK 100.603	903894	216	KLTDV 200	938759	219
KGS 100.503 F	904563	216	KLK 100.603 F	904488	216	KLTDV 200 F	938803	219
KGS 100.603	903948	216	KLM 100.203/3600	083275	212	KLTDV 300	938766	219
KGS 100.603 F	904587	216	KLM 100.203/3600 F	082339	212	KLTDV 300 F	938810	219
KGV 100 F	906789	213	KLM 100.303/3600	083282	212	KLTDV 400	938773	219
KGV 100 S	906772	213	KLM 100.303/3600 F	082346	212	KLTDV 400 F	938827	219
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KIDK 80	195008	97	KLM 100.403/3600 F	082353	212	KLTDV 500 F	938834	219
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KIGV 80	193103	97	KLM 100.503/3600 F	082360	212	KLTDV 600 F	938841	219
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KL 100.203 F	904006	212	KLMUAT 40.150 F	935239	226	KLWC 16	289707	240
KL 100.303	903665	212	KLMUAT 40.200 F	935246	226	KLWC 16	289707	248
KL 100.303 F	904020	212	KLMUAT 40.300 F	935260	226	KLWC 16	289707	253
KL 100.403	903672	212	KLMUAT 40.400 F	935277	226	KLWC 16 E3	341641	236
KL 100.403 F	904044	212	KLMUAT 40.500 F	935284	226	KLWC 16 E3	341641	240
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KLWC 16 F	570508	240	KTAS 600 E3	330591	94	KUGV 5050	192151	89
KLWC 16 F	570508	248	KTAS 700	188901	80	KWV 100 F	906802	213
KLWC 16 F	570508	253	KTAS 700	188901	94	KWV 100 S	906796	213
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KTa 100	186907	90	KTASS 900	189281	81	LED 60.100 E3	524402	271
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KTa 300	187300	79	KTT 500	182404	98	LER 26.030	887668	264
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KTa 350	187409	90	KTTSS 200	182800	99	LER 60.100	865253	272
KTa 400	187508	79	KTTSS 300	182909	99	LER 80.080	887705	272
KTa 400	187508	90	KTTSS 400	183005	99	LES 60.150	518258	272
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KTa 450	187607	90	KTTSS 700	183302	99	LHS 60.100 E2	517206	271
KTa 500	187706	79	KTTSS 800	183401	99	LHS 60.150 E2	517305	271
KTa 500	187706	90	KTTSS 900	183500	99	LHS 60.200 E2	517404	271
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KTAS 1000	189205	80	KTUM 300 F	968534	86	LLK 60.200 E3	520602	265
KTAS 1000	189205	94	KTUM 400	170487	86	LLK 80.080	789702	265
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RTA 60.500 F	536801	158	RTPH 50	231973	157	RTSDVS 300	863945	202
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RTSKDV 50	274406	149	RW 110	251001	182	SPM 3000 B	047833	225
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RTSKQ 110-2.0 S	055234	199	RW 110	251001	253	SPM 3000.3 AL	047840	225
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RTSS 110.200	862924	202	RW 110 E3	333509	182	TKS 100	183906	76
RTSS 110.300	862948	202	RW 110 E3	333509	240	TKS 100 E3	329106	76
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RTV 110 E2	251162	240	RW 50	224951	156	TKS 400	184507	76
RTV 110 E2	251162	253	RW 50 E3	333356	132	TKS 400 E3	329328	76
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RTV 60 E2	225149	156	RW 60	225002	156	TKSK 30	348053	77
RTV 85 E2	237753	170	RW 60 E3	333400	156	TKSU 100	184903	77
RTV 85 E2	237753	213	RW 60 F	225101	132	TKSU 200	185009	77
RTV 85 E2	237753	235	RW 60 F	225101	156	TKSU 300	185108	77
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RV 110.100 E3	920303	181	RW 85	237609	235	TPH 80	459278	266
RV 110.100 F	553105	181	RW 85	237609	248	TPH 80 E3	840052	266
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RV 110.150 F	553150	181	RW 85 E3	333424	248	TPS 50	459247	267
RV 110.200	273706	181	RW 85 F	237708	170	TPS 50 E3	459216	267
RV 110.200 E3	920310	181	RW 85 F	237708	213	TPS 70	459261	267
RV 110.200 F	553204	181	RW 85 F	237708	235	TPS 90	720309	267
RV 110.300	273805	181	RW 85 F	237708	248	TPS 90 E3	865406	267
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RV 110.300 F	553303	181	RZP 110/200 S	073399	204	TRV 40 E3	892150	102
RV 110.400	273904	181	RZP 110/300 S	073412	204	TW 100	204205	100
RV 110.400 E3	920334	181	RZP 110/3000 S	961863	204	TW 100 E3	769209	100
RV 110.400 F	553402	181	RZP 110/400 S	073429	204	TW 100 F	204915	100
RV 60.100	271702	156	RZP 110/500 S	073436	204	TW 150	204304	100
RV 60.100 E3	336159	156	RZP 110/600 S	082322	204	TW 200	204403	100
RV 60.100 F	540808	156	RZP 50/100	191833	203	TW 200 E3	769308	100
RV 60.150	271801	156	RZP 50/200	847907	203	TW 200 F	204939	100
RV 60.200	271900	156	RZP 50/300	847921	203	TW 250	204502	100
RV 60.200 E3	920259	156	RZP 50/400	847945	203	TW 300	204601	100
RV 60.200 F	540907	156	RZP 50/500	847969	203	TW 300 E3	769407	100
RV 60.300	272105	156	RZP 50/600	847983	203	TW 300 F	204953	100
RV 60.300 E3	920266	156	RZP 80/100	191864	203	TW 350	059355	100
RV 60.300 F	541003	156	RZP 80/200	861200	203	TW 350 E3	059362	100
RV 85.100	272501	170	RZP 80/300	861224	203	TW 400	204700	100
RV 85.100 F	546800	170	RZP 80/400	861248	203	TW 400 E3	769506	100
RV 85.200	272600	170	RZP 80/500	861262	203	TW 400 F	204960	100
RV 85.200 F	546909	170	RZP 80/600	861286	203	TW 500	204809	100
RV 85.300	272709	170	SK 10X25 V	128204	109	TW 500 E3	769605	100
RV 85.300 F	547005	170	SK 8X16 V	161300	109	TW 500 F	204977	100
RV 85.400	272808	170	SK 8X25 F	127702	109	TW 600	204908	100
RV 85.400 F	547104	170	SKC 86	933105	105	TW 600 E3	769704	100
RV 85.500	272907	170	SKC 88/96	926800	106	TW 600 F	204984	100
RV 85.500 F	547203	170	SKI 80	912605	95	U 50/3000	190607	84
RV 85.600	273003	170	SKK 100	918423	217	U 50/3000 E3	330805	84
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RVV 110.100	259663	182	SKM 10X40 V	207404	110	U 5050/2000 F	918782	88
RVV 110.100 F	554058	182	SKM 10X70 E3	344086	110	U 5050/3000 F	859306	88
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RVV 110.150 F	554102	182	SKM 10X90 E3	344093	110	U 6040/1000 E3	892051	92
RVV 110.200	259809	182	SKM 10X90 F	893485	110	U 6040/1000 F	891696	92
RVV 110.200 F	554201	182	SKM 12X50 F	071531	82	U 6040/1500 E3	892082	92
RVV 110.300	259908	182	SKM 12X50 F	071531	110	U 6040/1500 F	891726	92
RVV 110.300 F	554300	182	SKM 12X70 F	071548	82	U 6040/2000 E3	892099	92
RVV 110.400	260003	182	SKM 12X70 F	071548	110	U 6040/2000 F	891733	92
RVV 110.400 F	554409	182	SKM 8X16 E3	343904	110	U 6040/3000 E3	892105	92
RVV 50	258604	148	SKM 8X16 V	207107	110	U 6040/3000 F	891740	92
RVV 50	258604	156	SKU 6040	912162	91	U 6040/6000 E3	892129	92
RVV 50 E3	335404	148	SKWHM 105	939350	250	U 6040/6000 F	891764	92
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RVV 50 E5	729906	156	SMU 10 E3	344260	112	UD 24 E3	327652	86
RVV 50 F	258505	148	SMU 12	344406	112	UGM 10	209101	111

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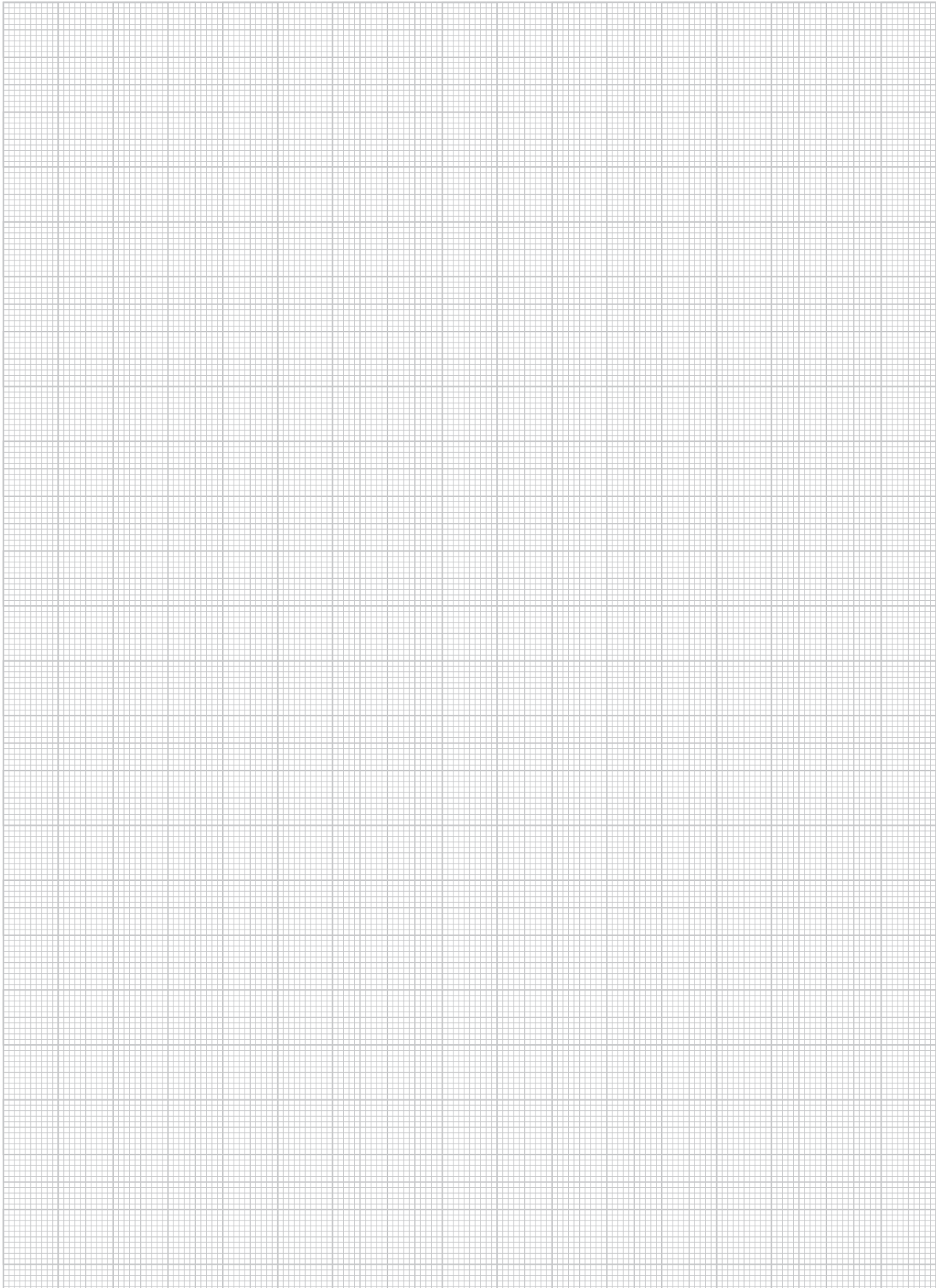
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UGM 12 F	071678	111	WDV 450	941940	258	WRL 150.400	313402	238
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WA 200	190003	103	WLAB 600 E3	900053	256	WRTAR 105.300 E3	950973	236
WA 250	190102	103	WLAB 600 F	900268	256	WRTAR 105.300 F	950041	236
WA 300	190201	103	WRBR 105.200	949281	236	WRTAR 105.400	949120	236
WA 400	190300	103	WRBR 105.200E3	951086	236	WRTAR 105.400 E3	950980	236
WA 500	190409	103	WRBR 105.200 F	950218	236	WRTAR 105.400 F	950058	236
WA 600	190508	103	WRBR 105.300	949298	236	WRTAR 105.500	949137	236
WAER 105	949250	236	WRBR 105.300E3	951093	236	WRTAR 105.500 E3	950997	236
WAER 105	949250	248	WRBR 105.300 F	950225	236	WRTAR 105.500 F	950065	236
WAER 105 E3	951062	236	WRBR 105.400	949304	236	WRTAR 105.600	949144	236
WAER 105 E3	951062	248	WRBR 105.400E3	951109	236	WRTAR 105.600 E3	951000	236
WAER 105 F	950188	236	WRBR 105.400 F	950232	236	WRTAR 105.600 F	950072	236
WAER 105 F	950188	248	WRBR 105.500	949311	236	WRTAR 150.200	949151	241
WAER 150	949267	240	WRBR 105.500E3	951116	236	WRTAR 150.200 E3	951017	241
WAER 150	949267	253	WRBR 105.500 F	950249	236	WRTAR 150.200 F	950089	241
WAER 150 E3	951079	240	WRBR 105.600	949328	236	WRTAR 150.300	949168	241
WAER 150 E3	951079	253	WRBR 105.600E3	951123	236	WRTAR 150.300 E3	951024	241
WAER 150 F	950195	240	WRBR 105.600 F	950256	236	WRTAR 150.300 F	950096	241
WAER 150 F	950195	253	WRBR 150.200	949335	241	WRTAR 150.400	949175	241
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WBL 300	326402	256	WRBR 150.300	949342	241	WRTAR 150.500	949182	241
WBL 400	326501	256	WRBR 150.300 E3	951147	241	WRTAR 150.500 E3	951048	241
WBL 500	326600	256	WRBR 150.300 F	950270	241	WRTAR 150.500 F	950119	241
WBL 600	326709	256	WRBR 150.400	949359	241	WRTAR 150.600	949199	241
WBRDV 200	966400	258	WRBR 150.400 E3	951154	241	WRTAR 150.600 E3	951055	241
WBRDV 200 E3	966509	258	WRBR 150.400 F	950287	241	WRTAR 150.600 F	950126	241
WBRDV 200 F	966455	258	WRBR 150.500	949366	241	WRTR 105.200	949434	237
WBRDV 300	966417	258	WRBR 150.500 E3	951161	241	WRTR 105.200 E3	951185	237
WBRDV 300 E3	966516	258	WRBR 150.500 F	950294	241	WRTR 105.200 F	950362	237
WBRDV 300 F	966462	258	WRBR 150.600	949373	241	WRTR 105.300	949441	237
WBRDV 400	966424	258	WRBR 150.600 E3	951178	241	WRTR 105.300 E3	951192	237
WBRDV 400 E3	966523	258	WRBR 150.600 F	950300	241	WRTR 105.300 F	950379	237
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WBRDV 450	082759	258	WRL 105.200 E3	724802	234	WRTR 105.400 E3	951208	237
WBRDV 450 F	082766	258	WRL 105.200 F	587803	234	WRTR 105.400 F	950386	237
WBRDV 500	966431	258	WRL 105.300	310807	234	WRTR 105.500	949465	237
WBRDV 500 E3	966530	258	WRL 105.300 E3	724826	234	WRTR 105.500 E3	951215	237
WBRDV 500 F	966486	258	WRL 105.300 F	587902	234	WRTR 105.500 F	950393	237
WBRDV 600	966448	258	WRL 105.400	310906	234	WRTR 105.600	949472	237
WBRDV 600 E3	966547	258	WRL 105.400 E3	724840	234	WRTR 105.600 E3	951222	237
WBRDV 600 F	966493	258	WRL 105.400 F	588008	234	WRTR 105.600 F	950409	237
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WDRS 20 F	596508	259	WRL 105.500 F	588107	234	WRTR 150.200 F	950416	241
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WDV 200 E3	806508	258	WRL 105.600 E3	724888	234	WRTR 150.300 E3	951246	241
WDV 200 F	596003	258	WRL 105.600 F	588206	234	WRTR 150.300 F	950423	241
WDV 300	309900	258	WRL 150.200	313204	238	WRTR 150.400	949502	241
WDV 300 E3	806522	258	WRL 150.200 E3	725502	238	WRTR 150.400 E3	951253	241
WDV 300 F	596102	258	WRL 150.200 F	590506	238	WRTR 150.400 F	950430	241

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WRTR 150.500	949519	241	WSGV 105	305100	235	WSTAR 105.400 F	950539	249
WRTR 150.500 E3	951260	241	WSGV 105	305100	247	{WSTAR 105.450}	082476	249
WRTR 150.500 F	950447	241	WSGV 105 E3	725304	235	WSTAR 105.450 F	082483	249
WRTR 150.600	949526	241	WSGV 105 E3	725304	247	WSTAR 105.500	949618	249
WRTR 150.600 E3	951277	241	WSGV 105 F	590308	235	WSTAR 105.500 E3	951314	249
WRTR 150.600 F	950454	241	WSGV 105 F	590308	247	WSTAR 105.500 F	950546	249
WRU 105.200	311200	234	WSGV 150	305209	239	WSTAR 105.600	949625	249
WRU 105.200 F	588305	234	WSGV 150	305209	252	WSTAR 105.600 E3	951321	249
WRU 105.300	311309	234	WSGV 150 E3	726004	239	WSTAR 105.600 F	950553	249
WRU 105.300 F	588404	234	WSGV 150 E3	726004	252	WSTAR 150.200	949632	254
WRU 105.400	311408	234	WSGV 150 F	593002	239	WSTAR 150.200 F	950560	254
WRU 105.400 F	588503	234	WSGV 150 F	593002	252	WSTAR 150.300	949649	254
WRU 105.500	311507	234	WSL 105.200	300600	247	WSTAR 150.300 F	950577	254
WRU 105.500 F	588602	234	WSL 105.200 E3	726509	247	WSTAR 150.400	949656	254
WRU 105.600	311606	234	WSL 105.200 F	577606	247	WSTAR 150.400 F	950584	254
WRU 105.600 F	588701	234	WSL 105.300	300709	247	WSTAR 150.450	082643	254
WRU 150.200	313709	238	WSL 105.300 E3	726523	247	WSTAR 150.450 F	082667	254
WRU 150.200 F	591008	238	WSL 105.300 F	577705	247	WSTAR 150.500	949663	254
WRU 150.300	313808	238	WSL 105.400	300808	247	WSTAR 150.500 F	950591	254
WRU 150.300 F	591107	238	WSL 105.400 E3	726547	247	WSTAR 150.600	949670	254
WRU 150.400	313907	238	WSL 105.400 F	577804	247	WSTAR 150.600 F	950607	254
WRU 150.400 F	591206	238	WSL 105.450	082438	247	WSTAR 150.900	082674	254
WRU 150.500	314003	238	WSL 105.450 F	082445	247	WSTAR 150.900 F	082681	254
WRU 150.500 F	591305	238	WSL 105.500	300907	247	WSTB 2	305506	257
WRU 150.600	314102	238	WSL 105.500 E3	726561	247	WSTB 2 E3	726424	257
WRU 150.600 F	591404	238	WSL 105.500 F	577903	247	WSTR 105.200	949885	250
WSAS 150.200 S	922147	242	WSL 105.600	301003	247	WSTR 105.200 E3	951482	250
WSAS 150.200 S	922147	255	WSL 105.600 E3	726585	247	WSTR 105.200 F	950812	250
WSAS 150.300 S	922161	242	WSL 105.600 F	578009	247	WSTR 105.300	949892	250
WSAS 150.300 S	922161	255	WSL 150.200	301102	251	WSTR 105.300 E3	951499	250
WSAS 150.400 S	922185	242	WSL 150.200 E3	727001	251	WSTR 105.300 F	950829	250
WSAS 150.400 S	922185	255	WSL 150.200 F	579600	251	WSTR 105.400	949908	250
WSAS 150.450 S	052738	242	WSL 150.300	301201	251	WSTR 105.400 E3	951505	250
WSAS 150.450 S	052738	255	WSL 150.300 E3	727025	251	WSTR 105.400 F	950836	250
WSAS 150.500 S	922208	242	WSL 150.300 F	579709	251	{WSTR 105.450}	082490	250
WSAS 150.500 S	922208	255	WSL 150.400	301300	251	WSTR 105.450 F	082513	250
WSAS 150.600 S	922222	242	WSL 150.400 E3	727049	251	WSTR 105.500	949915	250
WSAS 150.600 S	922222	255	WSL 150.400 F	579808	251	WSTR 105.500 E3	951512	250
WSAS 150.900 S	052844	242	WSL 150.500	301508	251	WSTR 105.500 F	950843	250
WSAS 150.900 S	052844	255	WSL 150.500 E3	727063	251	WSTR 105.600	949922	250
WSBR 105.200	949731	249	WSL 150.500 F	579907	251	WSTR 105.600 E3	951529	250
WSBR 105.200E3	951383	249	WSL 150.600	301607	251	WSTR 105.600 F	950850	250
WSBR 105.200 F	950669	249	WSL 150.600 E3	727087	251	WSTR 150.200	949939	255
WSBR 105.300	949748	249	WSL 150.600 F	580002	251	WSTR 150.200 E3	951536	255
WSBR 105.300E3	951390	249	WSL 150.900	941957	251	WSTR 150.200 F	950867	255
WSBR 105.300 F	950676	249	WSL 150.900 F	942671	251	WSTR 150.300	949946	255
WSBR 105.400	949755	249	WSLM 150.200	893409	252	WSTR 150.300 E3	951543	255
WSBR 105.400E3	951406	249	WSLM 150.200 F	579518	252	WSTR 150.300 F	950874	255
WSBR 105.400 F	950683	249	WSLM 150.300	893416	252	WSTR 150.400	949953	255
WSBR 105.450	082452	249	WSLM 150.300 F	579525	252	WSTR 150.400 E3	951550	255
WSBR 105.450 F	082469	249	WSLM 150.400	893423	252	WSTR 150.400 F	950881	255
WSBR 105.500	949762	249	WSLM 150.400 F	579532	252	WSTR 150.450	082698	255
WSBR 105.500E3	951413	249	WSLM 150.450	082520	252	WSTR 150.450 F	082711	255
WSBR 105.500 F	950690	249	WSLM 150.450 F	082537	252	WSTR 150.500	949960	255
WSBR 105.600	949779	249	WSLM 150.500	893430	252	WSTR 150.500 E3	951567	255
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WSBR 105.600 F	950706	249	WSLM 150.600	893447	252	WSTR 150.600	949977	255
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WSBR 150.300	949793	254	WSRS 150.100 S	922260	242	WSTR 150.900 F	082742	255
WSBR 150.300 E3	951444	254	WSRS 150.100 S	922260	255	WSV 105.390	301959	235
WSBR 150.300 F	950720	254	WSRS 150.150 S	071074	242	WSV 105.390	301959	247
WSBR 150.400	949809	254	WSRS 150.150 S	071074	255	WSV 105.390 E3	340132	235
WSBR 150.400 E3	951451	254	WSRS 150.200 S	922284	242	WSV 105.390 E3	340132	247
WSBR 150.400 F	950737	254	WSRS 150.200 S	922284	255	WSV 105.390 F	302055	235
WSBR 150.450	082575	254	WSRS 150.300 S	922307	242	WSV 105.390 F	302055	247
WSBR 150.450 F	082582	254	WSRS 150.300 S	922307	255	WSV 150.500	301706	239
WSBR 150.500	949816	254	WSTAR 105.200	949588	249	WSV 150.500	301706	252
WSBR 150.500 E3	951468	254	WSTAR 105.200 E3	951284	249	WSV 150.500 E3	340149	239
WSBR 150.500 F	950744	254	WSTAR 105.200 F	950515	249	WSV 150.500 E3	340149	252
WSBR 150.600	949823	254	WSTAR 105.300	949595	249	WSV 150.500 F	301805	239
WSBR 150.600 E3	951475	254	WSTAR 105.300 E3	951291	249	WSV 150.500 F	301805	252
WSBR 150.600 F	950751	254	WSTAR 105.300 F	950522	249	WSV 105.390	305377	235
WSBR 150.900	082612	254	WSTAR 105.400	949601	249	WSV 105.390	305377	248
WSBR 150.900 F	082636	254	WSTAR 105.400 E3	951307	249	WSV 105.390 E3	725458	235

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WSWV 105.390 E3	725458	248	WTARDV 500 E3	966837	259	WTRDV 600 F	966646	259
WSWV 105.390 F	590452	235	WTARDV 500 F	966783	259	WWA 100	194759	102
WSWV 105.390 F	590452	248	WTARDV 600	966745	259	WWA 100	194759	218
WSWV 150	305407	240	WTARDV 600 E3	966844	259	WWA 100	194759	257
WSWV 150	305407	253	WTARDV 600 F	966790	259	WWA 100 E3	344345	102
WSWV 150 E3	726103	240	WTRDV 200	966554	259	WWA 100 E3	344345	218
WSWV 150 E3	726103	253	WTRDV 200 E3	966653	259	WWA 100 E3	344345	257
WSWV 150 F	593101	240	WTRDV 200 F	966608	259	WWU 150	194407	101
WSWV 150 F	593101	253	WTRDV 300	966561	259	WWU 150/8	194506	101
WTARDV 200	966707	259	WTRDV 300 E3	966660	259	WWU 150/8	194506	218
WTARDV 200 E3	966806	259	WTRDV 300 F	966615	259	WWU 150/8	194506	257
WTARDV 200 F	966752	259	WTRDV 400	966578	259	WWU 150/8 E3	344307	101
WTARDV 300	966714	259	WTRDV 400 E3	966677	259	WWU 150/8 E3	344307	218
WTARDV 300 E3	966813	259	WTRDV 400 F	966622	259	WWU 150/8 E3	344307	257
WTARDV 300 F	966769	259	WTRDV 450	082810	259	WWU 150/8 E5	728909	218
WTARDV 400	966721	259	WTRDV 450 F	082827	259	ZS M10	208708	112
WTARDV 400 E3	966820	259	WTRDV 500	966585	259	ZS M12	208807	112
WTARDV 400 F	966776	259	WTRDV 500 E3	966684	259	ZS M4	208302	112
WTARDV 450	082773	259	WTRDV 500 F	966639	259	ZS M5	208401	112
WTARDV 450 F	082797	259	WTRDV 600	966592	259	ZS M6	208500	112
WTARDV 500	966738	259	WTRDV 600 E3	966691	259	ZS M8	208609	112

NOTES



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 years, eg. 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.

In February 2010 Niedax celebrated it's 90th anniversary and announced the acquisition of the French cable tray manufacturers EBO, CES and Tolmega.

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 nearby manufacturing plant is located on approx. 2 million square feet in the industrial area of St. Katharinen. The factory is divided into nearly 700,000 sq.ft. of covered manufacturing and 400,000 sq.ft. of covered storage space. The remaining area is open storage for raw materials and leaves room for future expansion. Niedax is a DIN ISO 9001:2000 certified company.

Our 1550 highly motivated employees in 25 countries, state of the art machinery and top quality production methods position us to succeed in business.



Alexander Niedergesäß



Fritz Axthelm



HISTORY
Begin
1920



Factory and central warehouse in Germany



Headquarters in Germany



Roll forming



Electric Galvanizing



VW Puebla Mexico



Jeep Toledo, Ohio



Target West Jefferson, Ohio



German Pellets Woodville, Texas



Wind Farm Meerwind Ost, AMBAU Bremen, Germany



Airport Düsseldorf, Germany



Qatargas QW 8 + 9 Persian Gulf



Steel Plant Calvert, Alabama

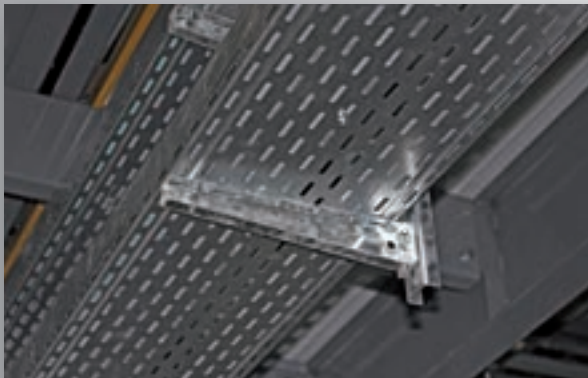


Gotthard Base Tunnel, Switzerland

REFERENCES



RL-RS Cable Tray



RL-RS Cable Tray



RL-RS Cable Tray



RL-RS Cable Tray



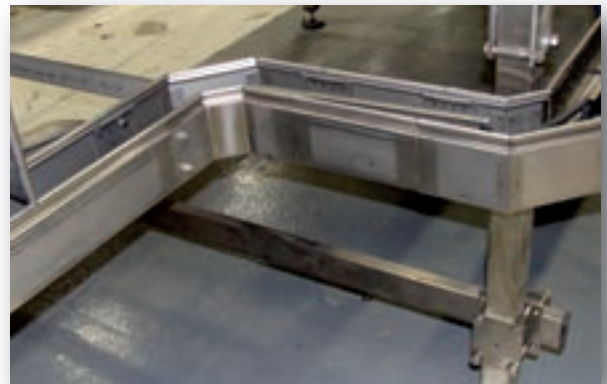
Support Systems



Trunking Raceway



Support Systems



Trunking Raceway



Support Systems

REFERENCES



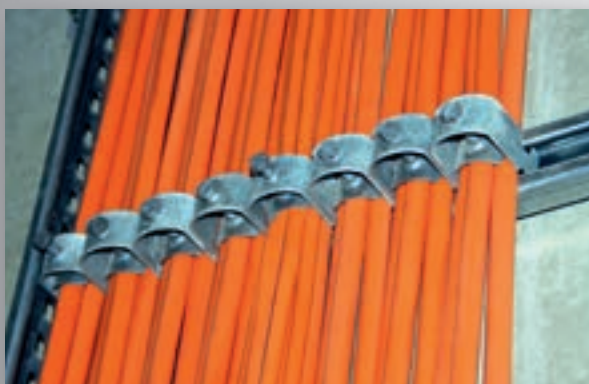
KL Ladder



KL Ladder



KL Ladder



KL Ladder



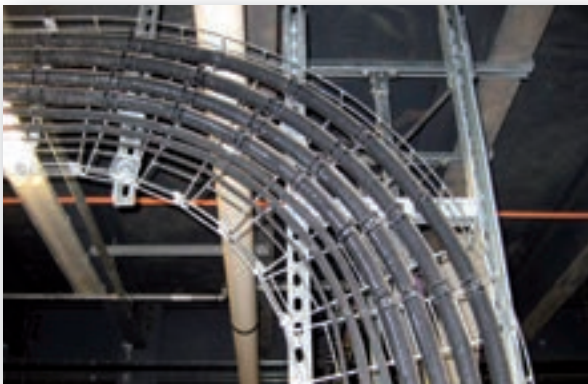
Marine Ladder



Walkable Tray



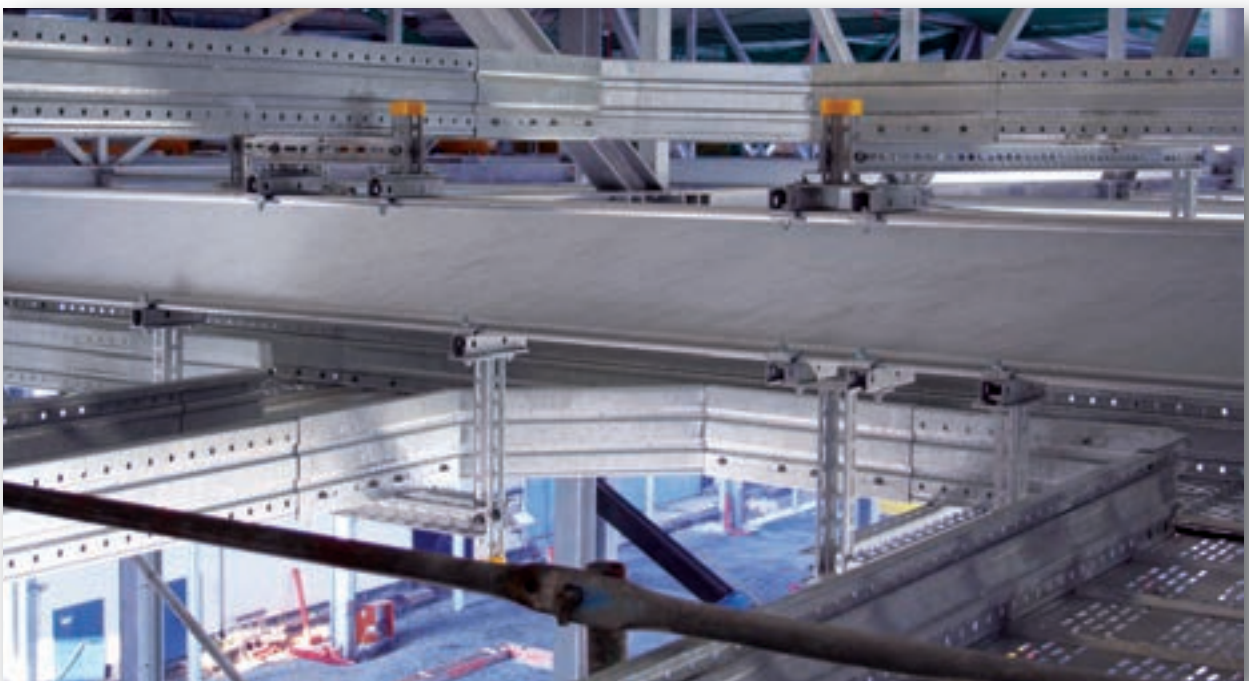
Longspan



Wire Mesh Basket



Longspan



Longspan

CERTIFICATE OF COMPLIANCE

Certificate Number 20120320-E233344
Report Reference E233344-20030416
Issue Date 2012-MARCH-20
Issued to: NIEDAX GMBH & CO KG
ASBACHER STR 141
53545 LINZ AM RHEIN GERMANY

**This is to certify that
representative samples of**

CABLE TRAYS
General Coverage

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/NFPA 70, "National Electrical Code" (NEC)
CAN/CSA-C22.2 No. 126.1-09 Standard Metal Cable Tray Systems

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Classification Mark for the U.S. and Canada should be considered as being covered by UL's Classification and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Classification Mark includes: the UL in a circle symbol:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) as indicated in the appropriate UL Directory. The UL Classification Mark for Canada includes: the UL Classification Mark for Canada:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) in English, French, or English/French as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus





CERTIFICATE NUMBER

07-HQ255041-2-PDA

DATE

06 December 2013

ABS TECHNICAL OFFICE

Odynia Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

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

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.

PRODUCT: **Cable Supports**

MODEL: **KLMUX 40, KLMUL 40, RSX 60, RSX 85, RSX 110, RLX 60, RLX 85, RLX 110, RLUX 60, RLUX 85, RLUX 110, RSUX 60, RSUX 85, RSUX 110, GRSX 60, GRSX 110**

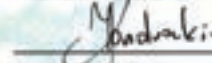
This Product Design Assessment (PDA) Certificate 07-HQ255041-2-PDA, dated 06/Dec/2013 remains valid until 05/Dec/2018 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


Jaroslaw Kondracki
Engineer

NOTE: This certificate certifies compliance with one or more of the Rules, Codes, standards or other criteria of ABS or a consensus, technical or manufacturing standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant change to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This application/certificate is governed by the "Terms and Conditions of the Request for Product Type Approval and Agreement" as contained in the ABS Rules.



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

DIN EN IEC 61537:2007-09

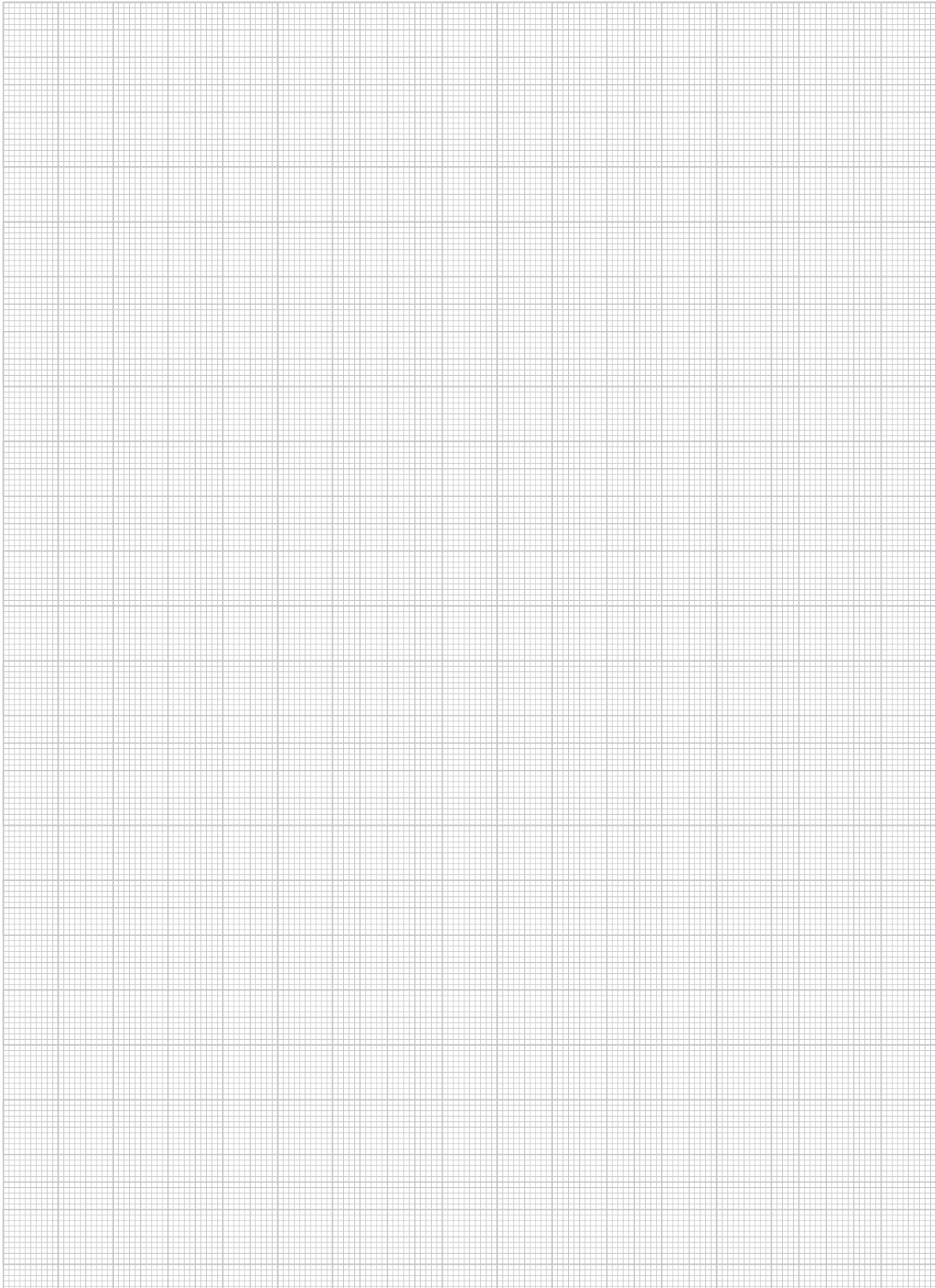
is the Global Standard for Cable Tray and Cable Ladder Systems for Cable Management and specifies requirements and tests for cable tray systems (such as all metal cable trays including wire mesh cable tray and cable ladders) for the support, accommodation of cables and possibly other electrical equipment 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 Cable 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 $1/100^{\text{th}}$ of the span or the breaking load divided by 1.7. While the standard is requiring just $1/100^{\text{th}}$, Niedax is even more demanding and has reduced this figure to $1/200^{\text{th}}$.

NOTES





General Information

☐ Material Handling

☐ Finishes

☐ Corrosion Protection

☐ Installation Instructions



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 on extended pallets weighing up to 5,500 pounds. Please make sure that proper unloading equipment (e.g. forklift with extended forks) is available.

Inventory all items immediately after unloading and note on the bill of lading any shortage or shipping damage.

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.

NEMA LOAD CLASSIFICATION

NEMA CLASS	SUPPORT SPAN		MAX. LOAD	
	feet	meters	lbs./ft.	kg/m
5 AA	5	1,5	25	37
5 A	5	1,5	50	74
8 AA	8	2,4	25	37
8 A	8	2,4	50	74
8 B	8	2,4	75	112
8 C	8	2,4	100	149
10 AA	10	3,0	25	37
10 A	10	3,0	50	74
12 AA	12	3,7	25	37
12 A	12	3,7	50	74
12 B	12	3,7	75	112
12 C	12	3,7	100	149
20 AA	20	6,0	25	37
20 A	20	6,0	50	74
20 B	20	6,0	75	112
20 C	20	6,0	100	149

CSA LOAD CLASSIFICATION

NEMA CLASS	DESIGN LOAD		SUPPORT SPACING	
	lbs./ft.	kg/m	feet	meters
A	67	99	5	1,5
A	25	37	10	3,0
C	174	259	5	1,5
C	65	97	10	3,0
D	120	179	10	3,0
D	45	67	20	6,0
E	200	299	10	3,0
E	75	112	20	6,0

The load per foot should not only include the cable, but additional load factors for wind, ice, snow, etc.

GENERAL INFORMATION

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 nonmagnetic 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 Gable Tray Hardware and Accessories and Pre-Galv.)	
Pre-Galvanized Zinc	ASTM A653SS Gr.33 G90 (GSA Type 2) (Steel Gable Tray and Fittings)	Indoor
Pre-Galvanized Zinc After Fabrication	ASTM A123 (CSA Type 1) (Steel Gable 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 8117).

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)

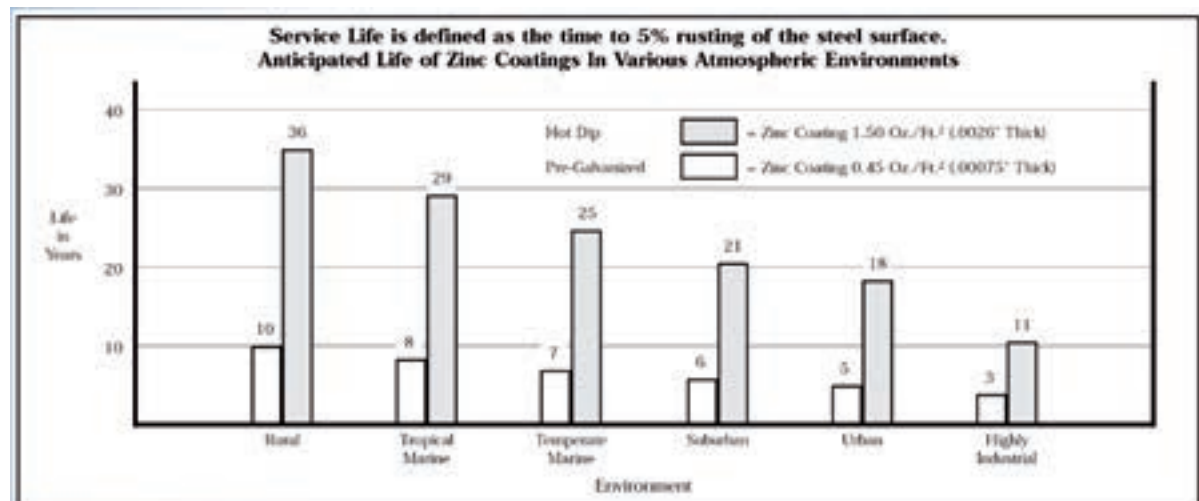
Hot Dip Galvanized After Fabrication cable tray products are fabricated from steel and then completely immersed in a bath of molten zinc. A metallic bond occurs resulting in a zinc coating that completely coats every surface, including edges and welds.

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.

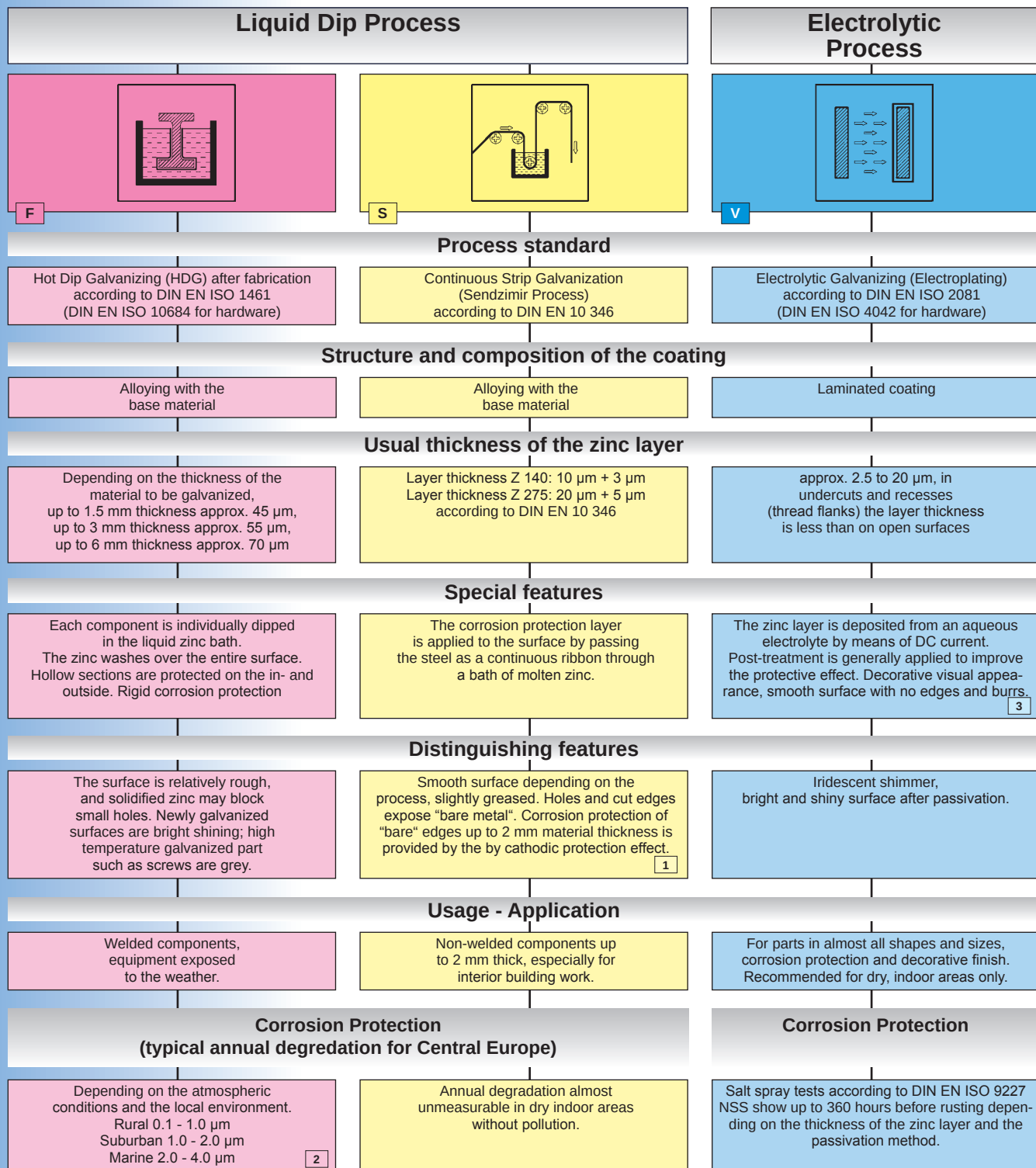
The zinc thickness can be controlled by the amount of time each part is immersed in the molten zinc bath as well as the speed at which it is removed.

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.



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 CO₂ flue gases.

3 Chromating process is ROHS compliant.

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 or corrosion of the anodic material.

It is very important to consider the effects of electrolytic corrosion when selecting the assembly hardware. Ideally the finish of cable tray and hardware should be identical. But if this is not possible the relatively small hardware should always be higher grade than the large volume tray, e.g. use stainless steel bolts for hot dip galvanized tray but not the other way round.

GENERAL INFORMATION

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
Aluminium Chloride Solution	NR	–	–	F	–	–
Anhydrous Aluminium Chloride	NR	–	–	F	–	–
Aluminium 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

R = Recommended

F = May be used under some conditions

NR = Not Recommended

– = Information not available

Cold = 50 - 80°F

Cold = 10 - 27°F

Warm = 130 - 170°F

Warm = 54 - 77°F

Hot = 200 - 212°F

Hot = 93 - 100°F

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.

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	–	–
Sodium Borate	R	R	R	R	R	R
Sodium Carbonate 18%	R	R	R	R	–	–
Sodium Chloride 5%	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

Mechanical Properties

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.

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.

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

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 has been determined, 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.
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.

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

$$\begin{aligned} W_1 \times L_1^2 &= W_2 \times L_2^2 \text{ where} \\ W_1 &= \text{tested loading} \\ L_1 &= \text{span in feet, a tested span} \\ W_2 &= \text{loading in question} \\ L_2 &= \text{known span for new loading} \end{aligned}$$

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:

$$2 \times (\text{concentrated static load}) / \text{span in feet}$$

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

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.

Please note that 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.

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.

POWER CABLING LOADS:

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 LOADS:

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.

GENERAL INFORMATION

Mechanical Properties

ENVIRONMENTAL LOADS: WIND

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 ²)	V(mph)	P(lbs/ft ²)
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/ft³ corresponding to a temperature of 16°C (60° F) and baro-metric pressure of 14.7 lbs/in².

Example Calculation:

Side load for 6" side rail with 100 mph wind
(25.6 x 6)/12 = 12.8 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.

ENVIRONMENTAL LOADS: ICE

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:

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

$$\begin{aligned} L_i &= \text{Ice Load (lbs/linear foot)} \\ W &= \text{Cable Tray Width (inches)} \\ T &= \text{Maximum Ice Thickness (inches)} \\ D_i &= \text{Ice Density = 57 lbs/ft}^3 \end{aligned}$$

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 x 0.5 x 57) / 144 = 4.75 lbs/ft

ENVIRONMENTAL LOADS: SNOW

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.

Bonding and Grounding



The National Electrical Code states that all metallic cable trays supporting electrical conductors shall be properly bonded (NEC 250.90 and NEC 250.96) and grounded (NEC 392.7).

- Definition: **Bonding** grants electrical continuity of separate sections (of cable tray).
- Definition: **Grounding** grants a low impedance (direct) connection to earth.
- Standards: According to NEC a properly bonded system can be used as an EGC (equipment grounding conductor) within the limits of NEC Table 392.7(B), i.e. the cable tray can replace the green (ground) wire. This standard is valid only in the US!

Maximum Fuse / Circuit Breaker Ampere Rating	60 A	100 A	200 A	400 A	600 A
Minimum Cross Sectional Area of Steel	0.20 sq in	0.40 sq in	0.70 sq in	1.00 sq in	1.5 sq in
	129 mm ²	258 mm ²	452 mm ²	645 mm ²	968 mm ²

- Standards: In Canada (and almost the rest of the world) cable trays can't be used as a grounding conductor.
- This difference in electrical standards leads to two different UL classifications:



- The C-UL-US classified trays can be used as EGC in the US, the C-UL trays not. But both labels grant proper bonding according to NEC and CSA as long as UL rated splices are used.

WARNING!

Do Not Use As A Walkway, Ladder, Or Support For Personnel.

Use Only As A Mechanical Support For Cables, Tubing and Raceways.



Catalog Number: WRLX 150.200/3
(and description) **Straight Sections**

Minimum Area: 1.0 sq. in.
Load Class: E 320 kg/m 3 meter span

REFERENCE FILE # E233344

This product is classified by Underwriters Laboratories, Inc. as to its suitability as an equipment grounding conductor only. 9JJA9

ventilated
08/08/2007



Aufbacher Str. 141
 D - 53545 Unz am Rhein
 +49 (2044) 9606-0




FB3M

Installation Instructions

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.

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.

SUPPORT INSTALLATION

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.

There are many different ways of supporting cable trays. The most common approach in the US is to use threaded rod and a rail to build a trapeze hanger. Other systems like ceiling hangers with cantilever brackets will allow cables to be laid into the tray instead of being pulled through.

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)

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.

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.

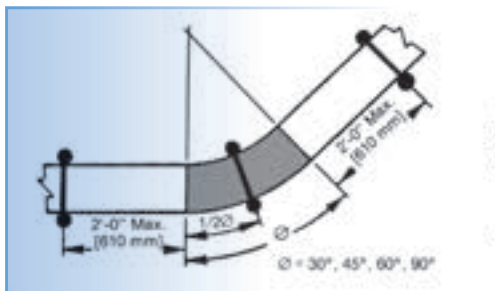
Fittings Installation

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

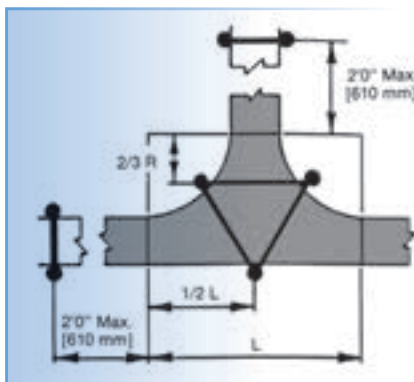
Supports for horizontal cable tray fittings should be placed within 2ft. (600 mm) of each fitting extremity, and as follows:



- 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) radius. On all other radii, at least one additional support should be placed under each side rail at the horizontal tee, preferably as shown.

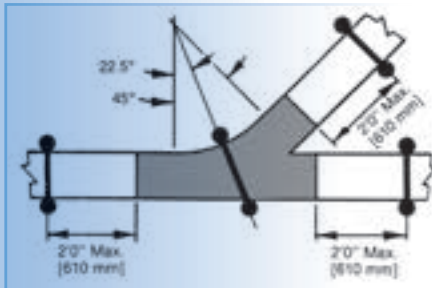


GENERAL INFORMATION

Other Factors To Consider

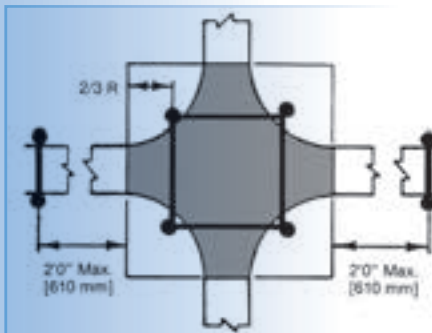
HORIZONTAL Y SUPPORT

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.



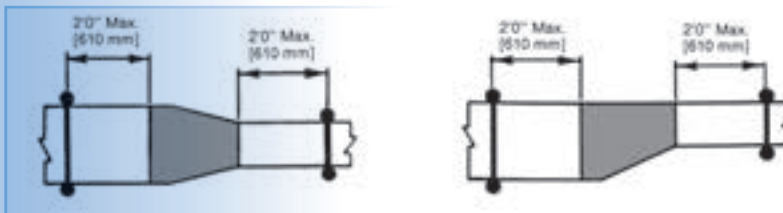
HORIZONTAL CROSS SUPPORT

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.



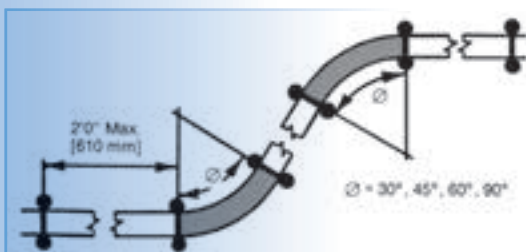
REDUCER SUPPORT

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

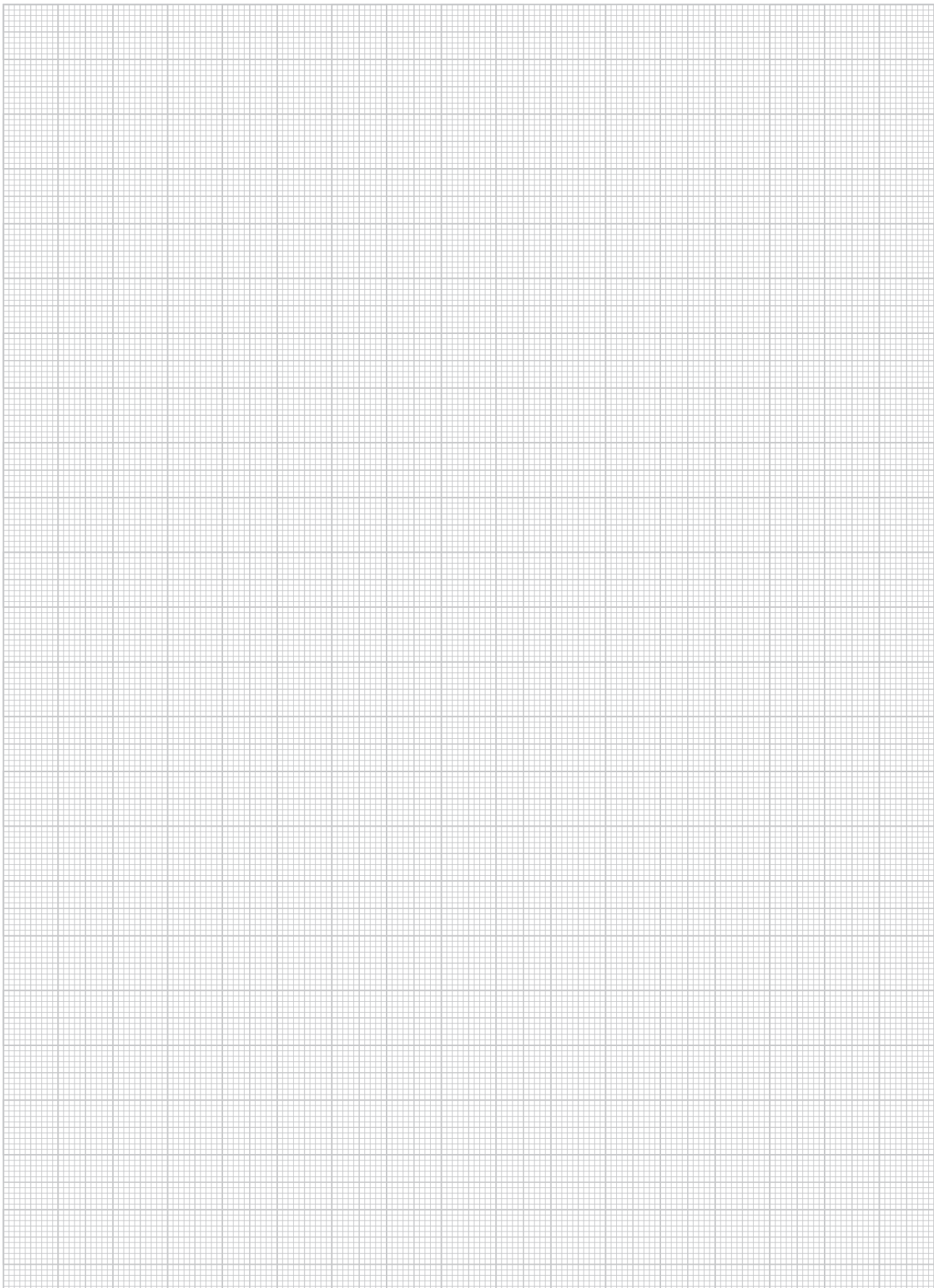


VERTICAL CABLE TRAY ELBOWS

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.



NOTES

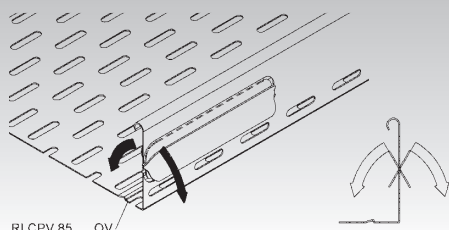


GENERAL INFORMATION

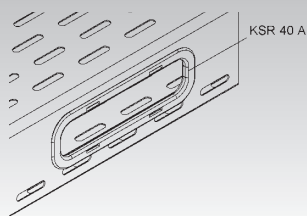
Hole Patterns

RLCPV 85...OV

Prepunched cable drop outs for easy removal.

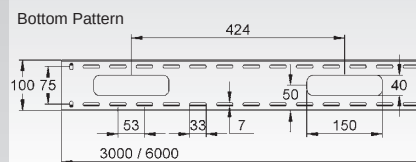
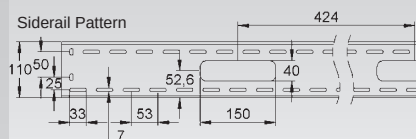
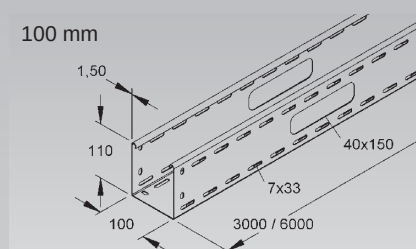


Please use KSR 40 A plastic inserts to protect cables.

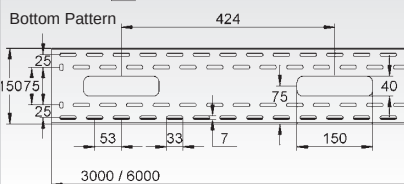
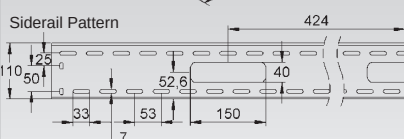
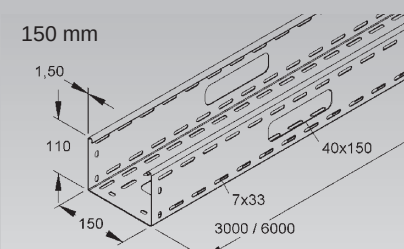


RSV 110...

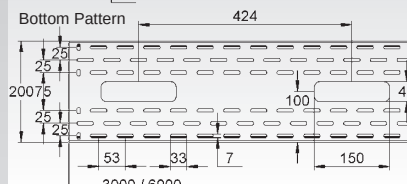
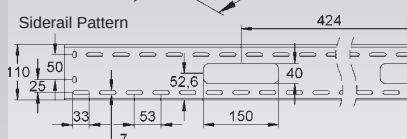
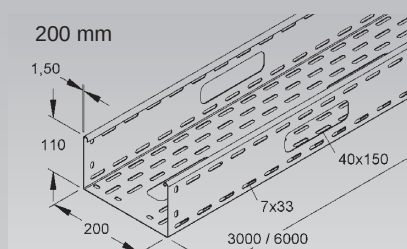
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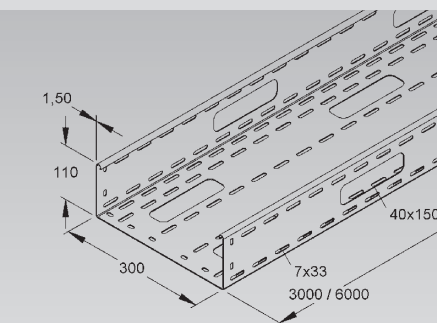
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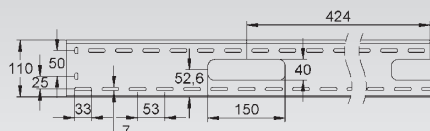
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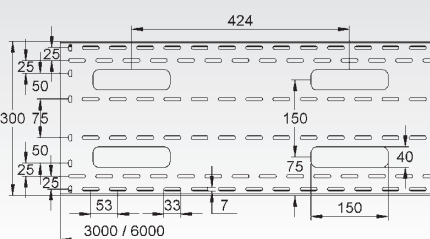
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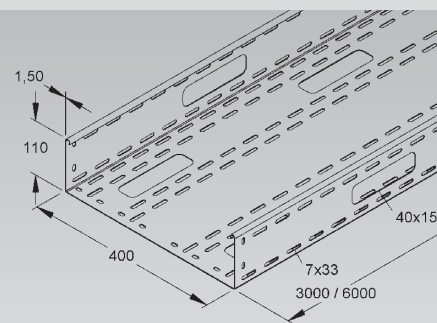
Siderail Pattern



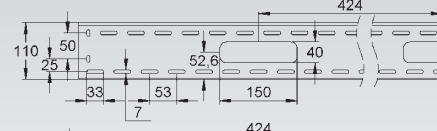
Bottom Pattern



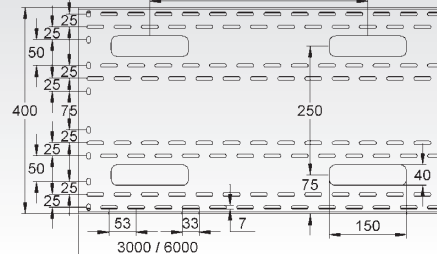
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Siderail Pattern



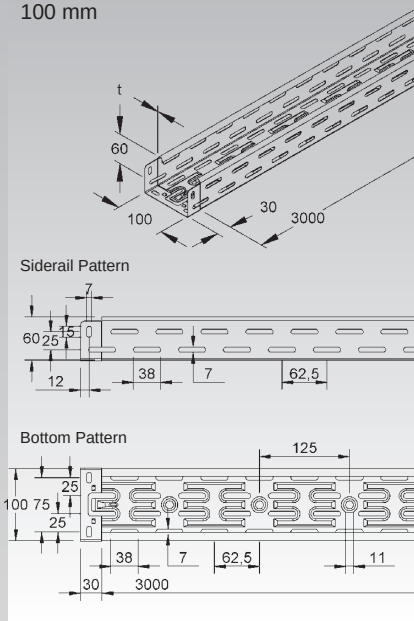
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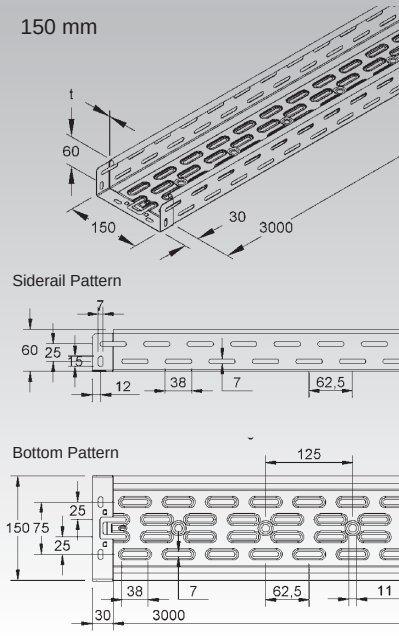
Hole Patterns

RLV 60...

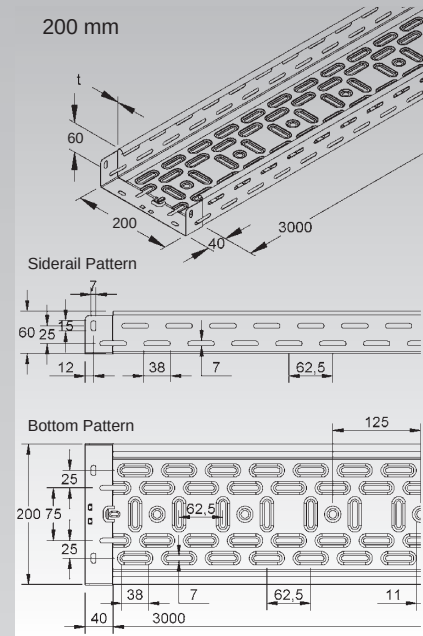
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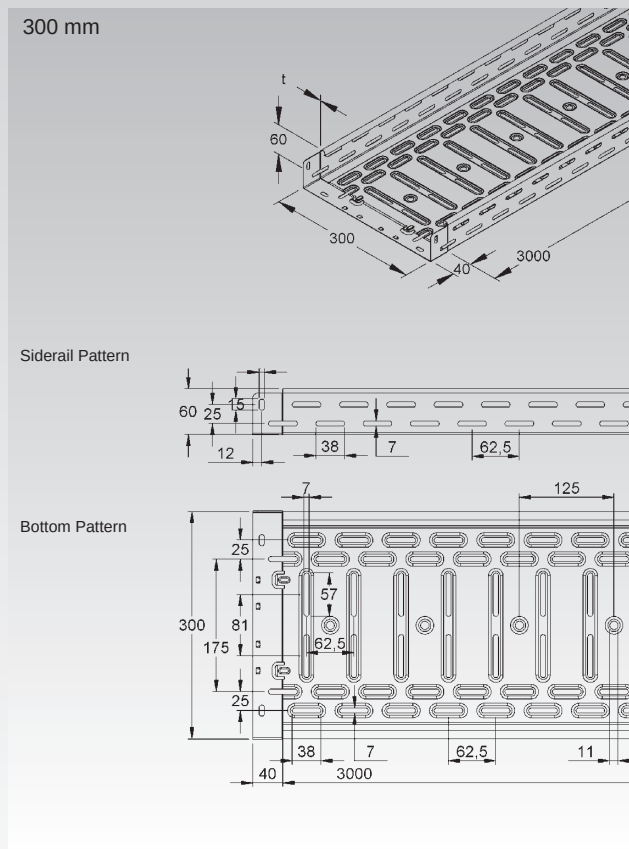
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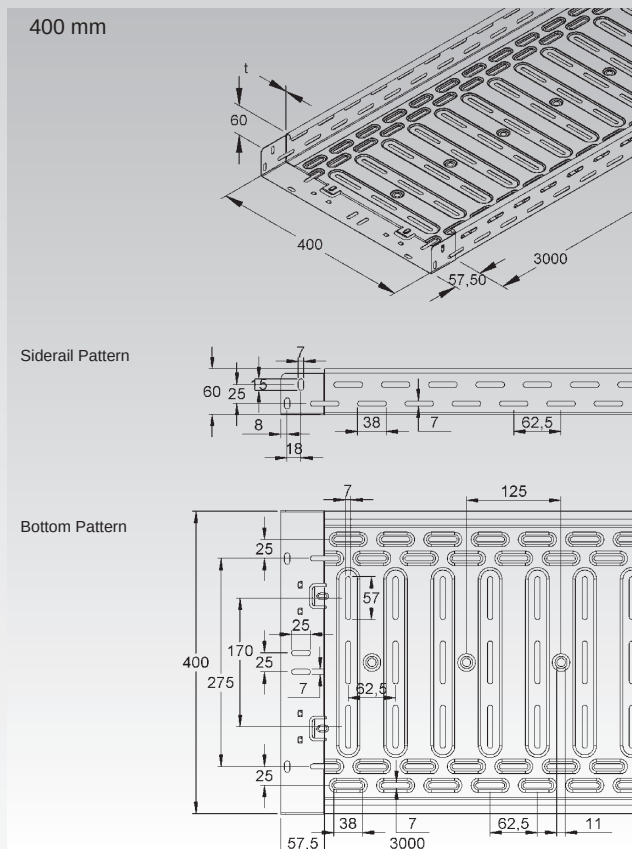
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300 mm



400 mm

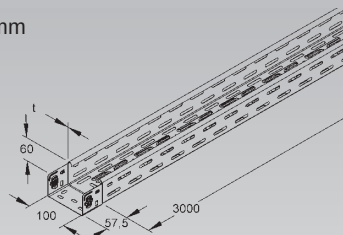


GENERAL INFORMATION

Hole Patterns

RLVC 60...

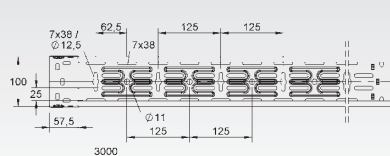
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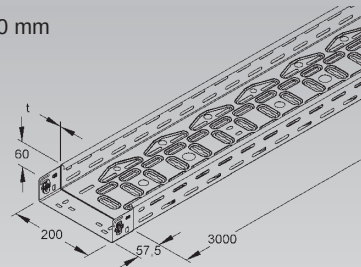
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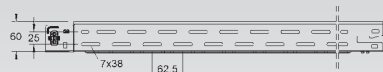
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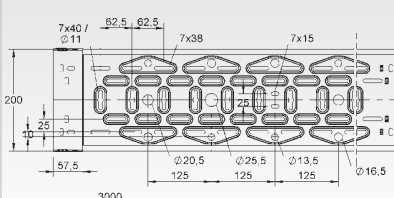
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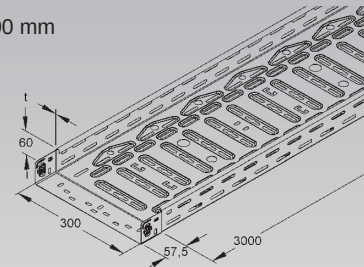
Siderail Pattern



Bottom Pattern



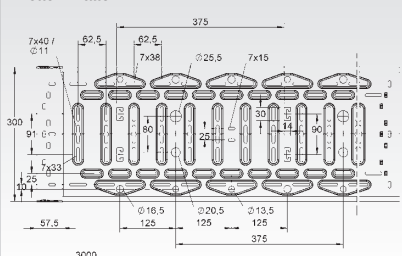
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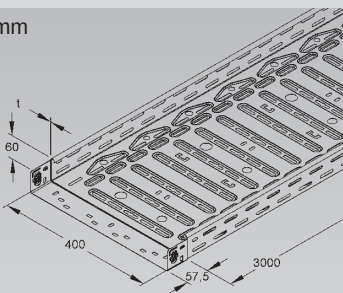
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Bottom Pattern



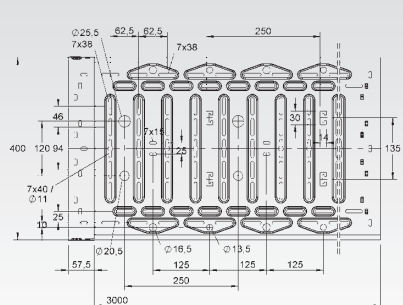
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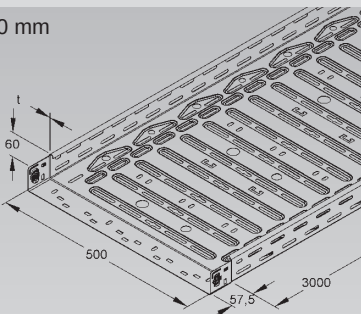
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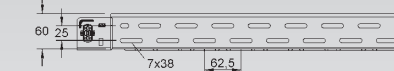
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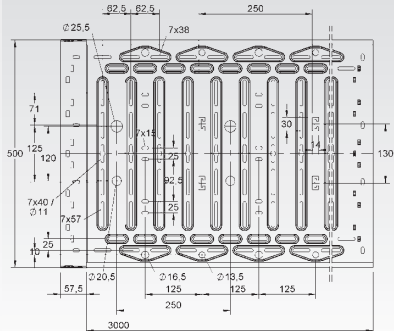
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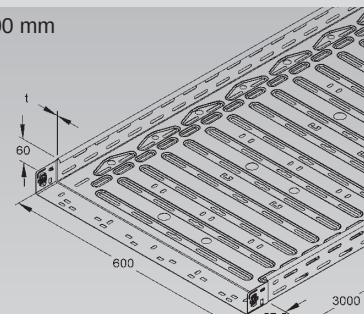
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Bottom Pattern



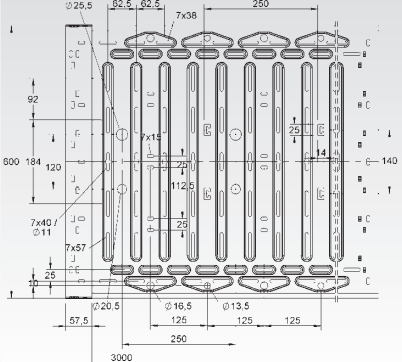
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Siderail Pattern



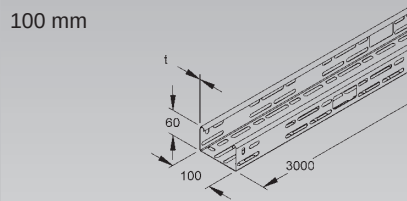
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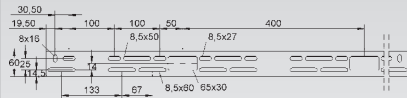
Hole Patterns

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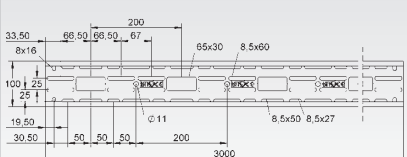
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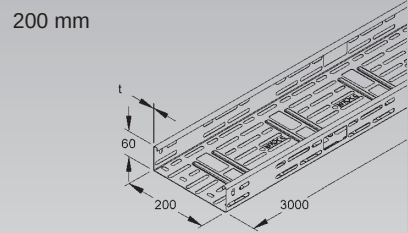
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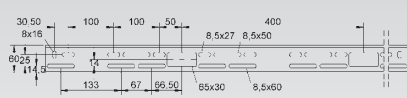
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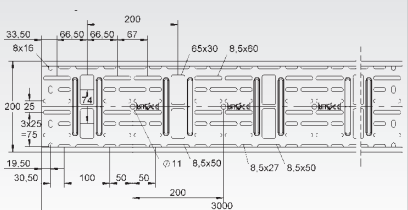
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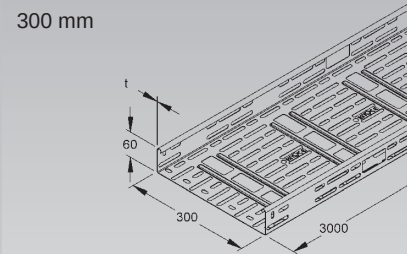
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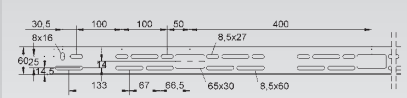
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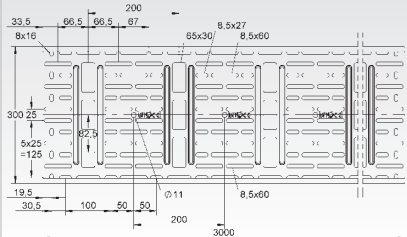
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Siderail Pattern

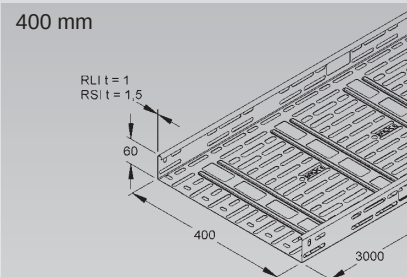


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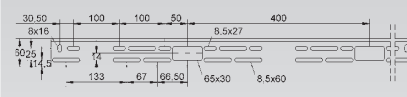


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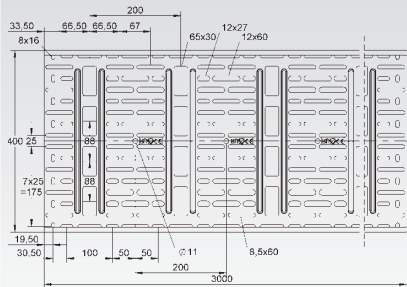
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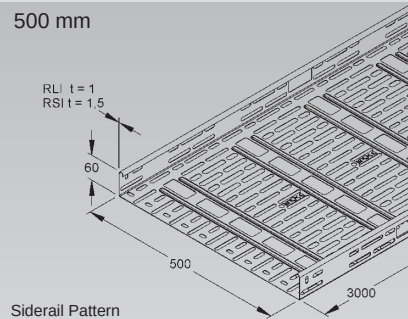
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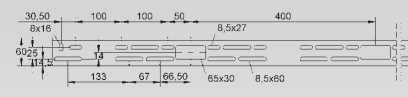
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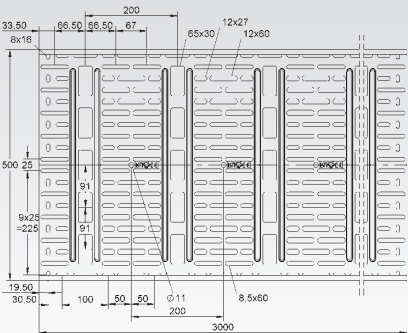
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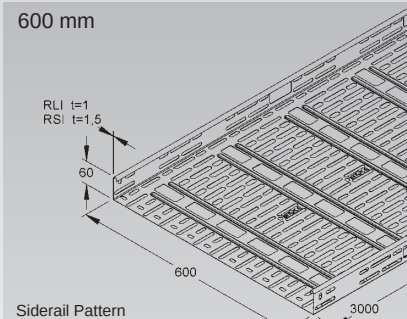
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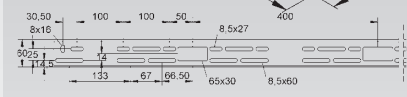
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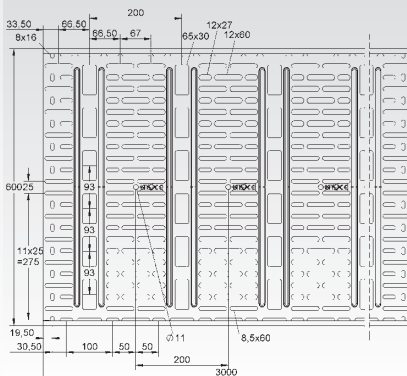
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Siderail Pattern

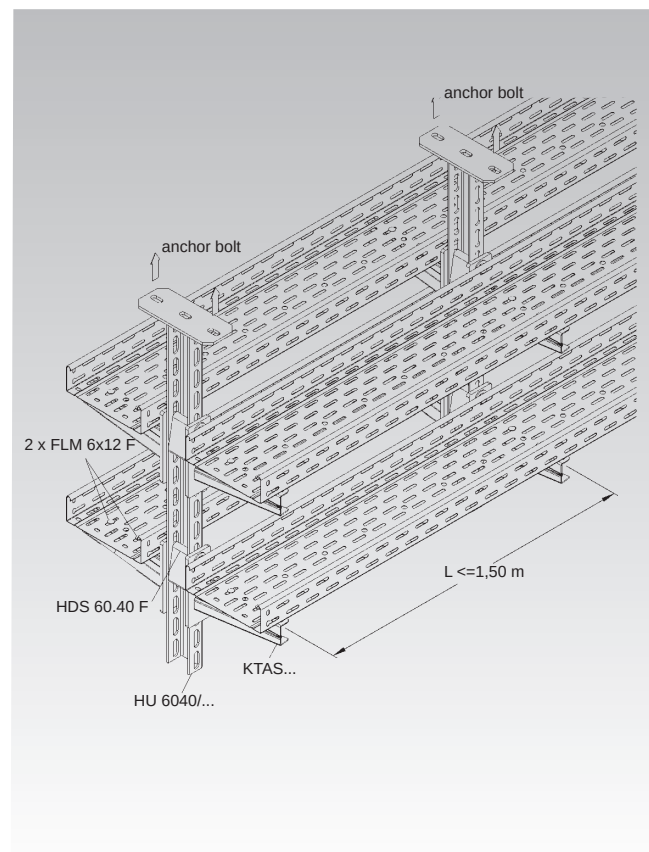
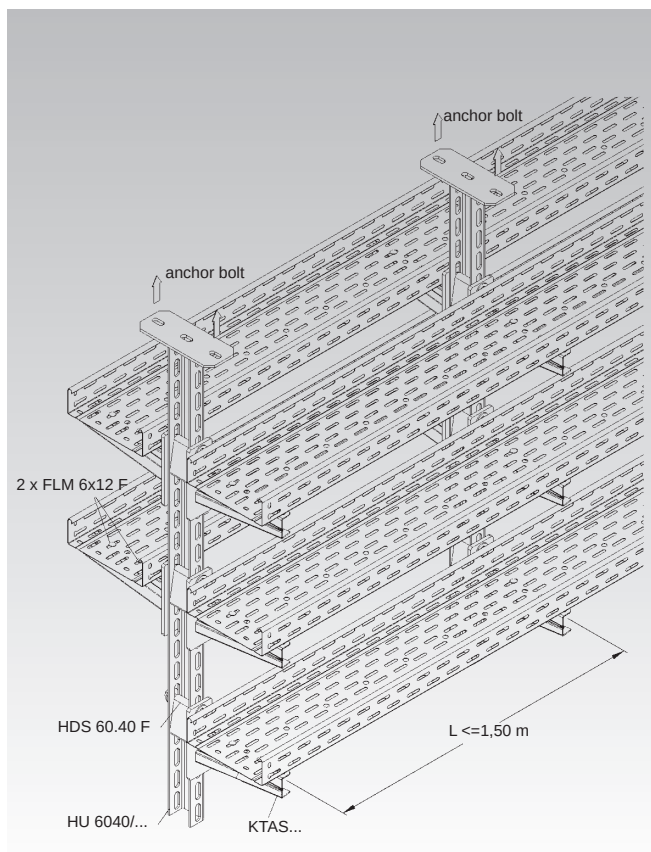
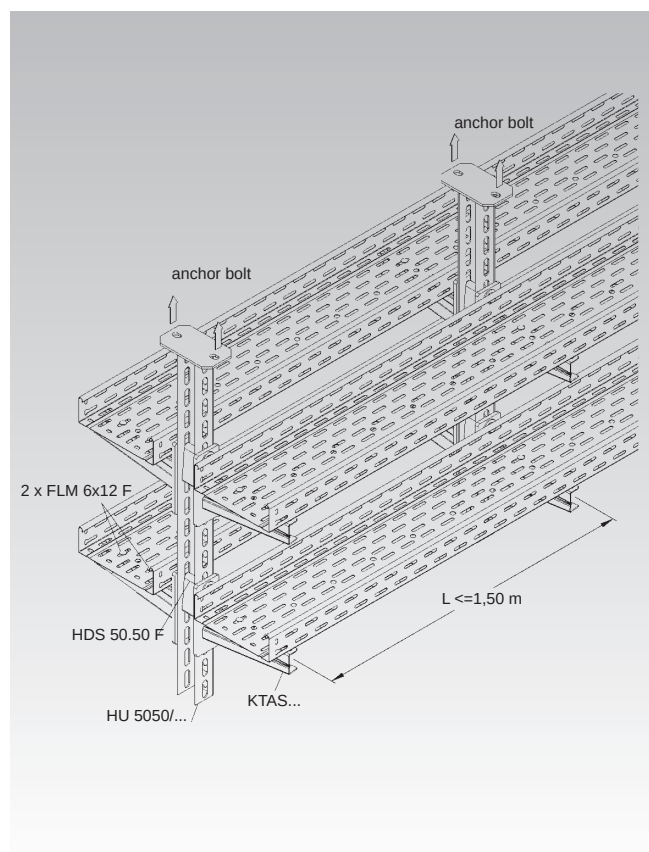
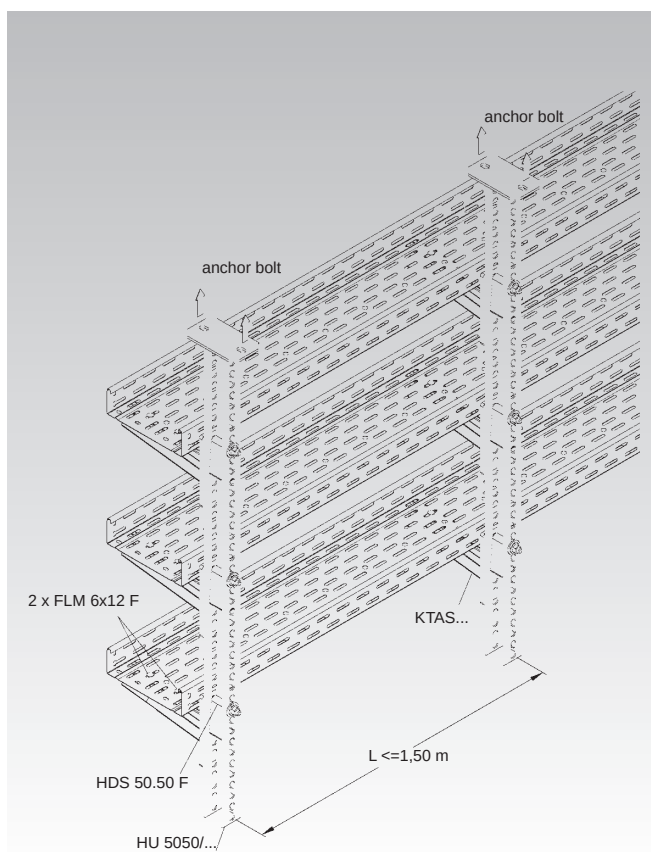


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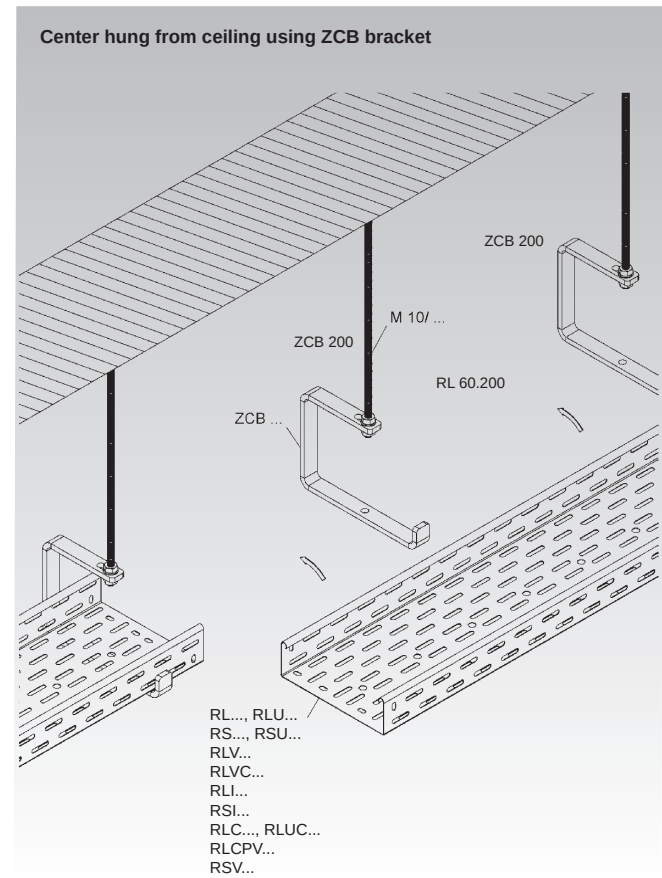
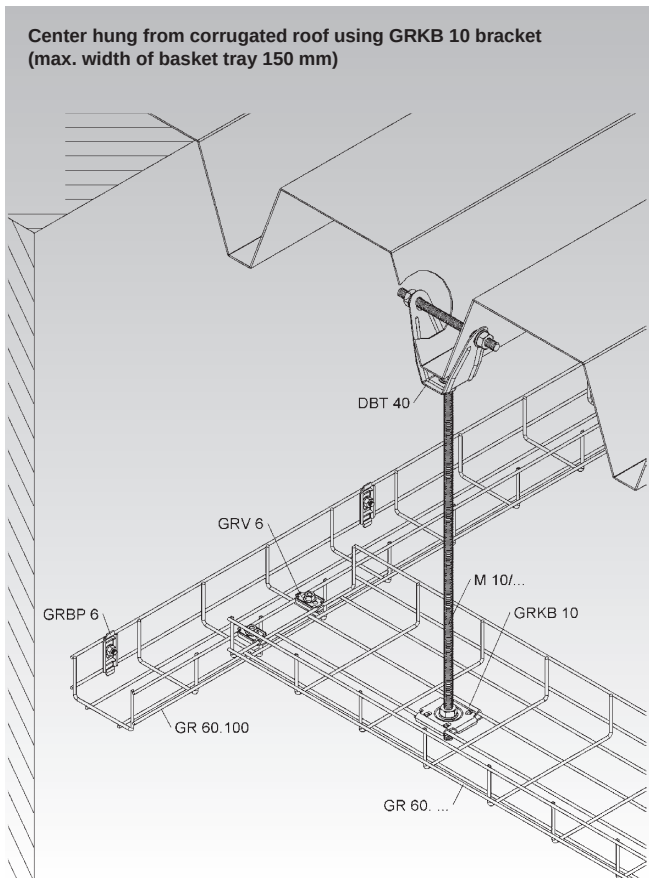
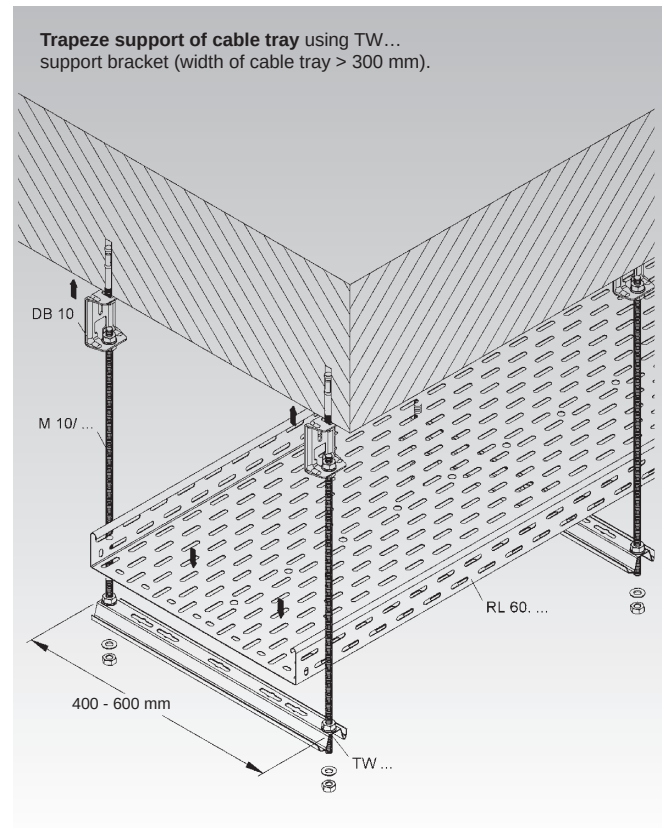
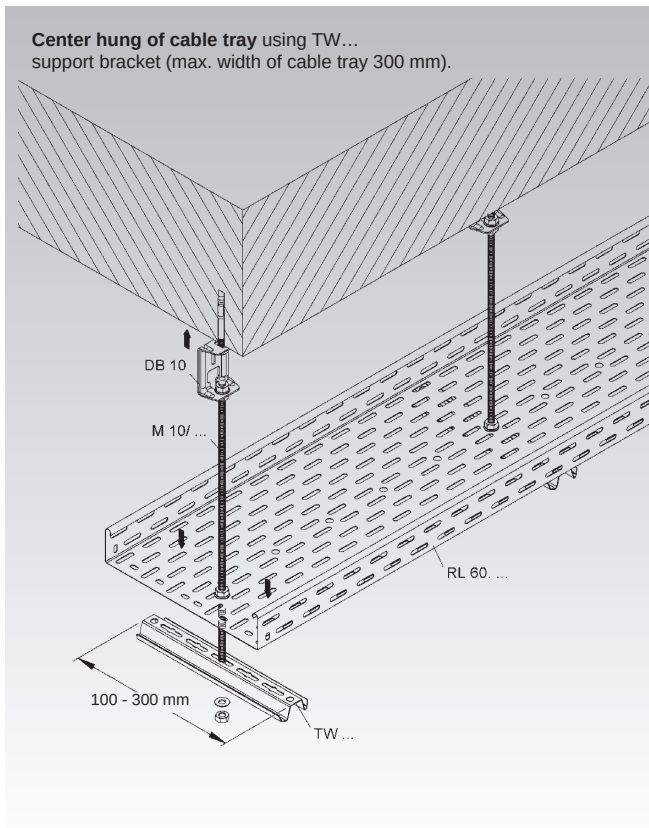


GENERAL INFORMATION

Installation Instructions



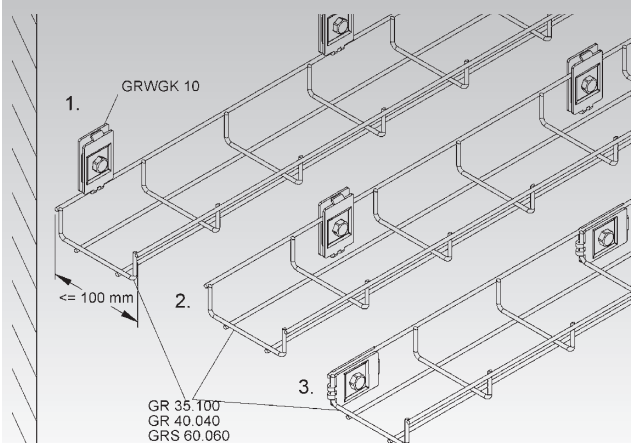
Installation Instructions



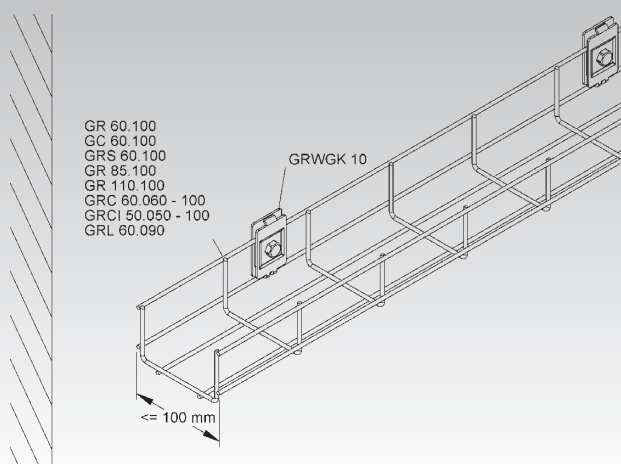
GENERAL INFORMATION

Installation Instructions

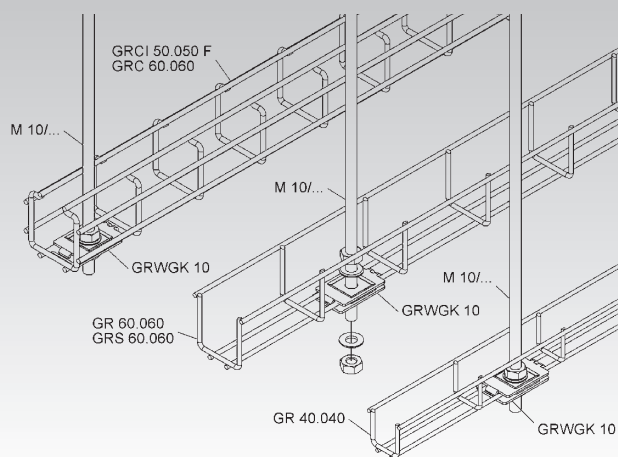
Wall mount of mini wire mesh tray using GRWGK 10 bracket.



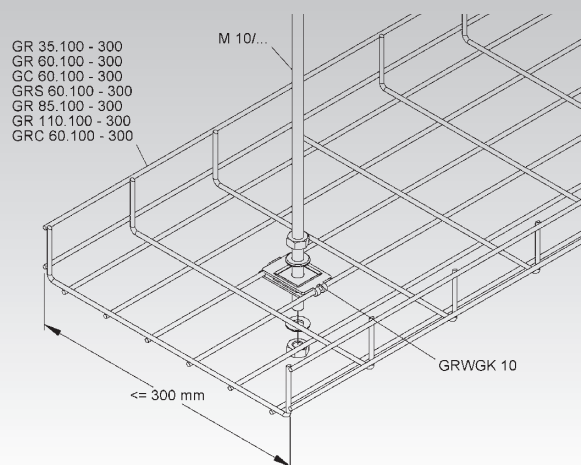
Wall mount of wire mesh tray using GRWGK 10 bracket (max width of wire mesh tray 100 mm).



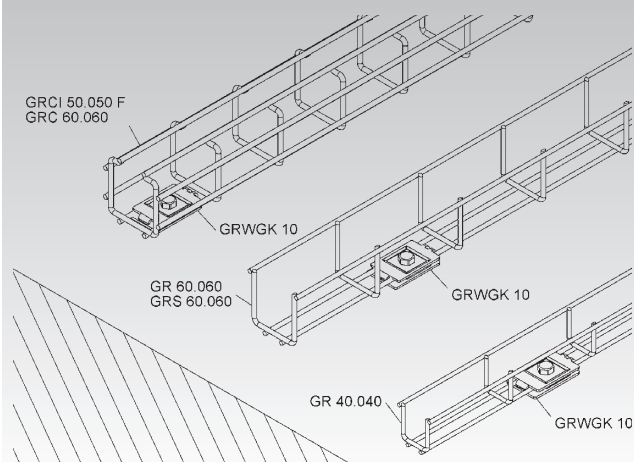
Ceiling mount of mini wire mesh tray using GRWGK 10 bracket and M10 (3/8") threaded rod.



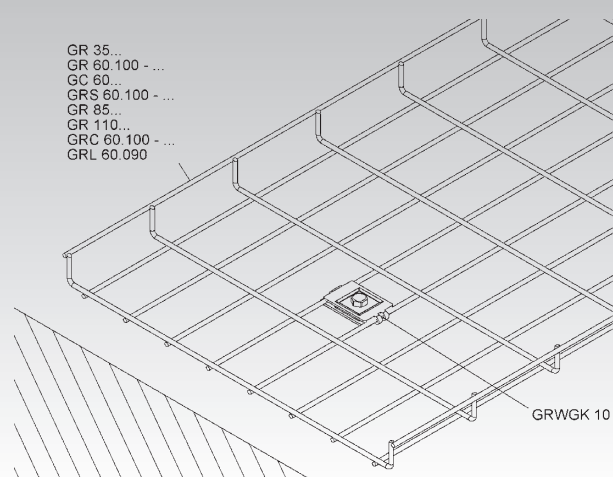
Ceiling mount of wire mesh tray using GRWGK 10 bracket (max width of wire mesh tray 300 mm).



Floor mount of mini wire mesh tray using GRWGK 10 bracket.



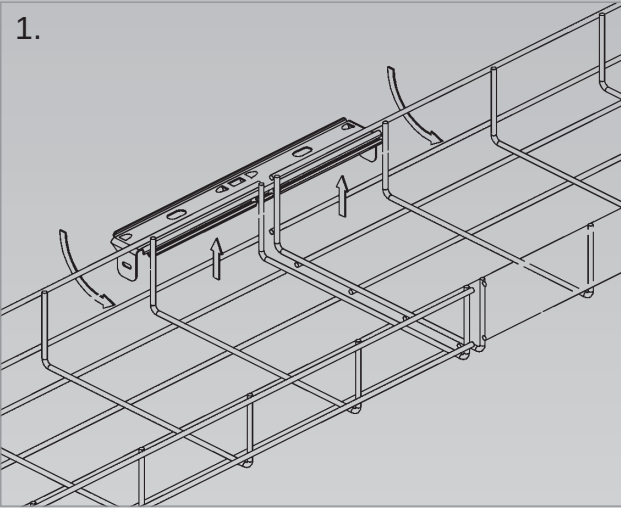
Floor mount of wire mesh tray using GRWGK 10 bracket.



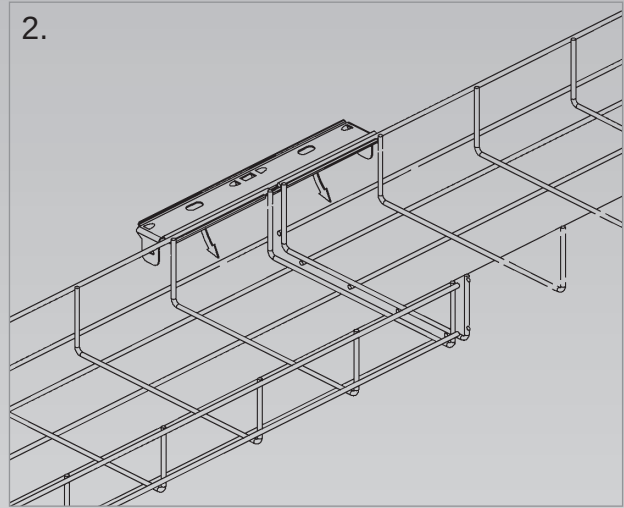
Installation Instructions

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

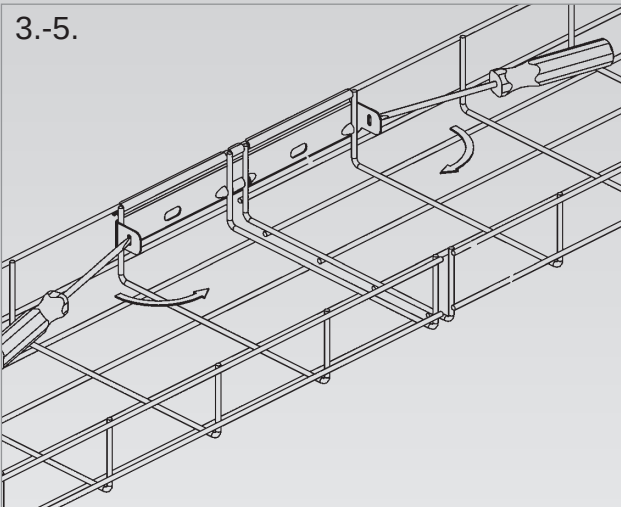
1.



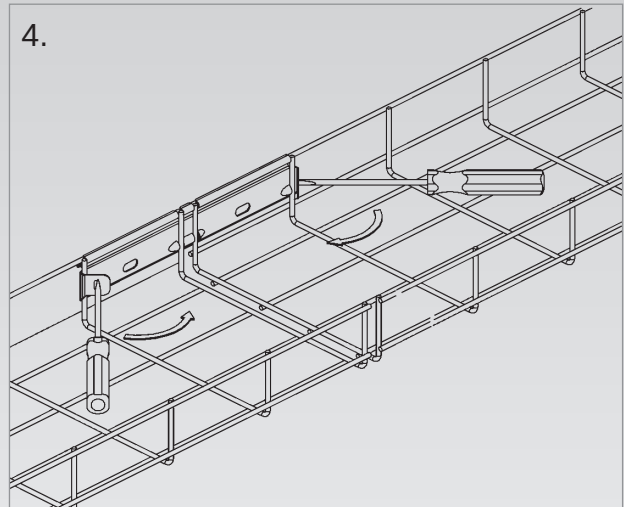
2.



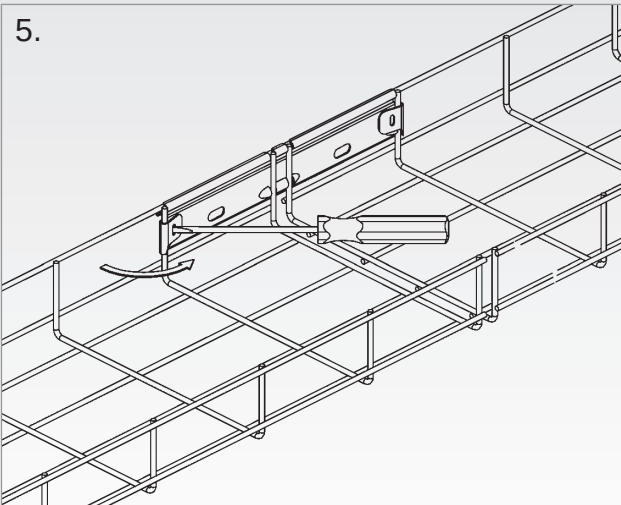
3-5.



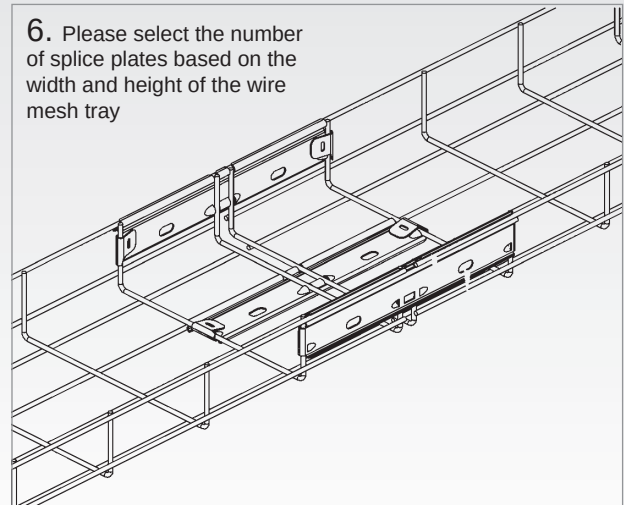
4.



5.



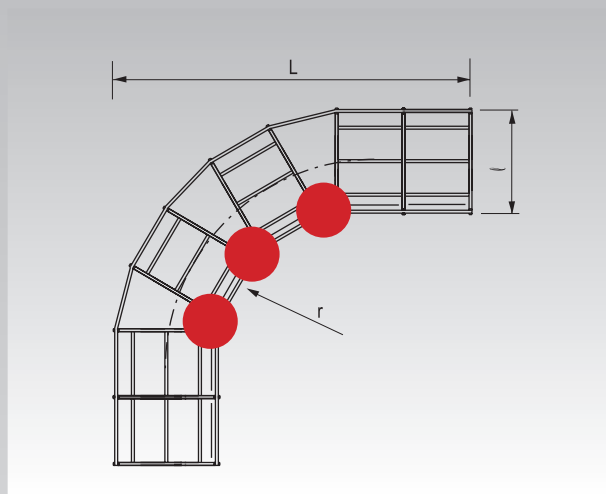
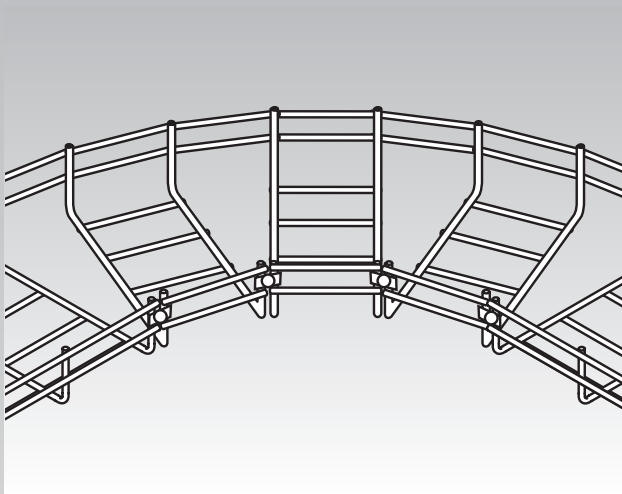
6. Please select the number of splice plates based on the width and height of the wire mesh tray



GENERAL INFORMATION

How to Build Wire Mesh Tray Fittings

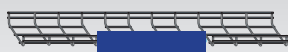
Large Radius Elbows



stands for (GTL 20 + GTL 30 + FLM 6x20)



stands for 1 x GTVL 300 + 4 GRHKM 6x15



W=100 mm 1x GTVL 300 + 4 GRHKM 6x15



W=150 mm 2x (GTL 20 + GTL 30 + FLM 6x20)
and 1x GTVL 300 + 4 GRHKM 6x15



W=200 mm 2x (GTL 20 + GTL 30 + FLM 6x20)
and 1x GTVL 300 + 4 GRHKM 6x15



W=300 mm 4x (GTL 20 + GTL 30 + FLM 6x20)
and 1x GTVL 300 + 4 GRHKM 6x15

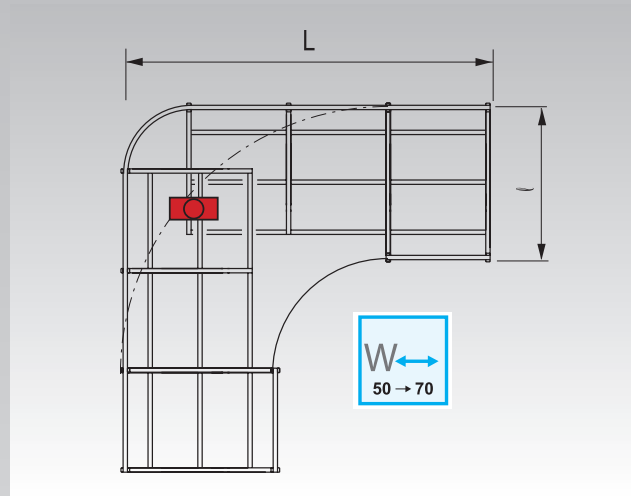
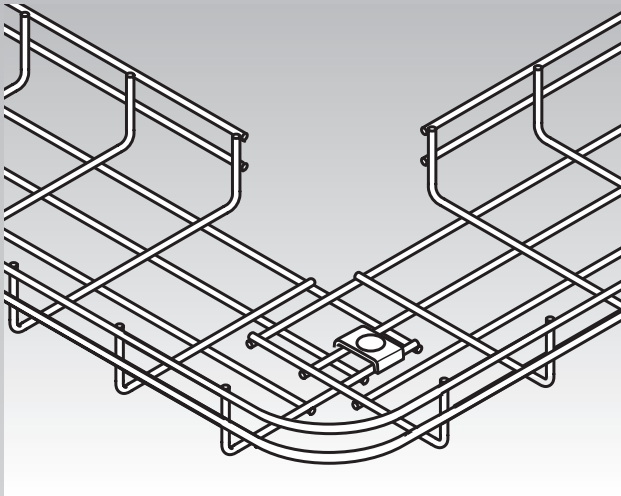


W=450 mm 6x (GTL 20 + GTL 30 + FLM 6x20)
and 1x GTVL 300 + 4 GRHKM 6x15

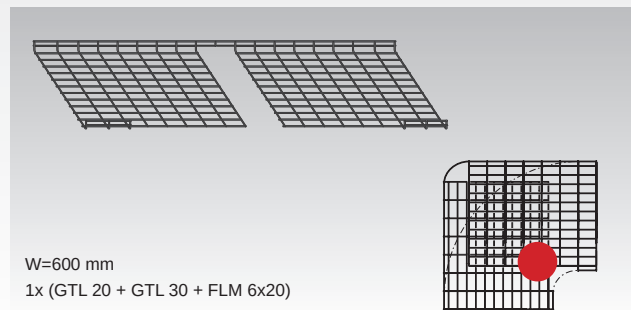
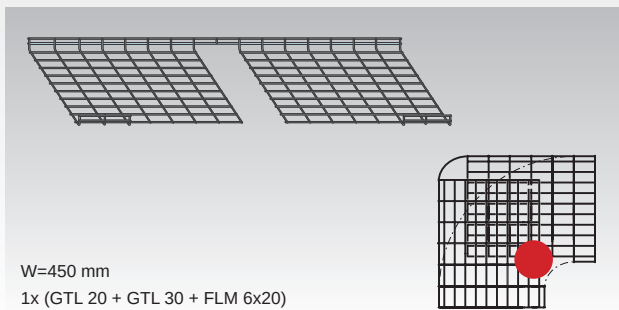
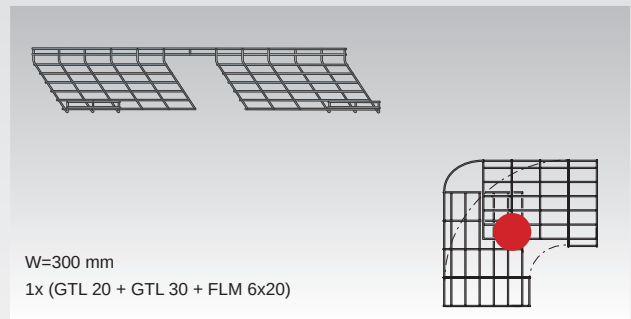
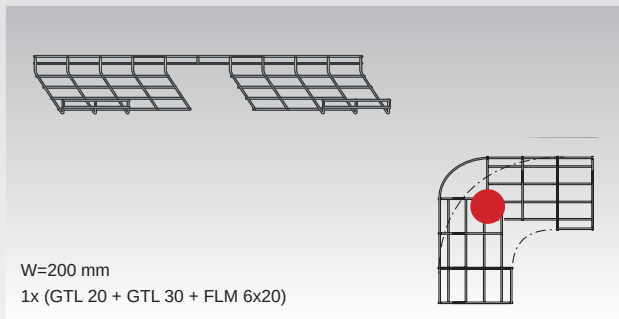
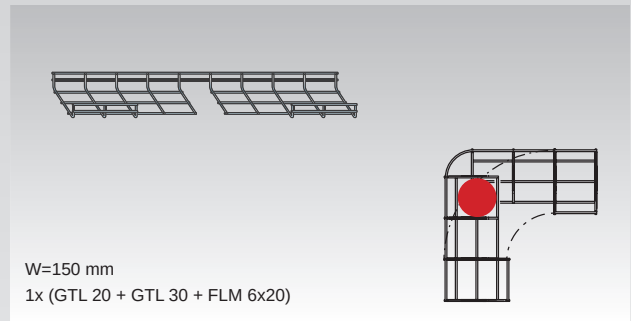
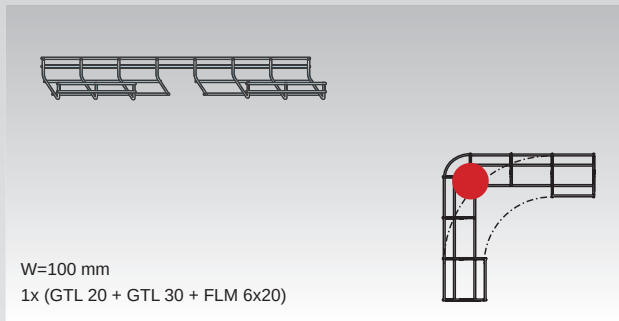


W=600 mm 8x (GTL 20 + GTL 30 + FLM 6x20)
and 1x GTVL 300 + 4 GRHKM 6x15

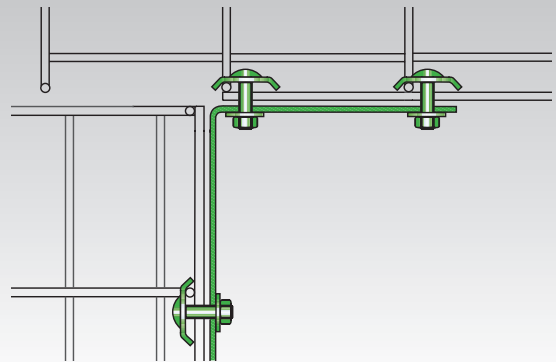
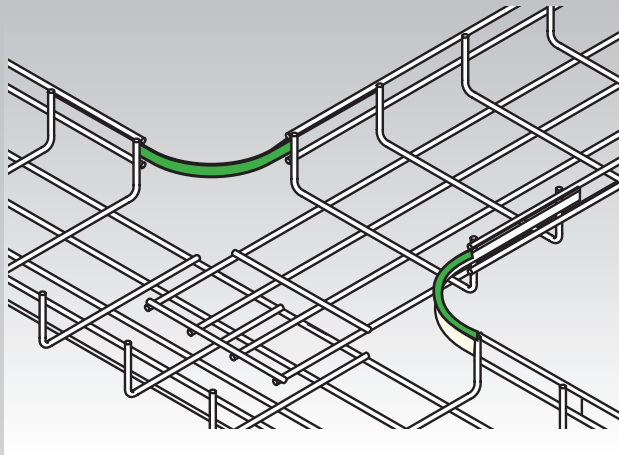
Small Radius Elbows



 stands for (GTL 20 + GTL 30 + FLM 6x20)



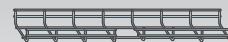
Angular Tees



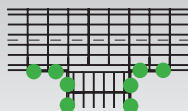
 stands for GRHKM 6x15 or GRSM 6 fastener location



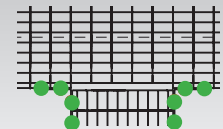
W=100 mm
8x GRHKM 6x15 and 2x GRVV 20/250



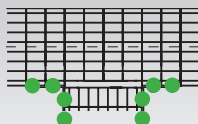
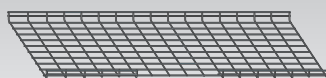
W=150 mm
8x GRHKM 6x15 and 2x GRVV 20/250



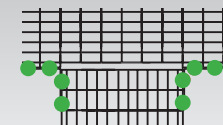
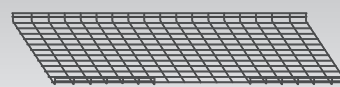
W=200 mm
8x GRHKM 6x15 and 2x GRVV 20/250



W=300 mm
8x GRHKM 6x15 and 2x GRVV 20/250



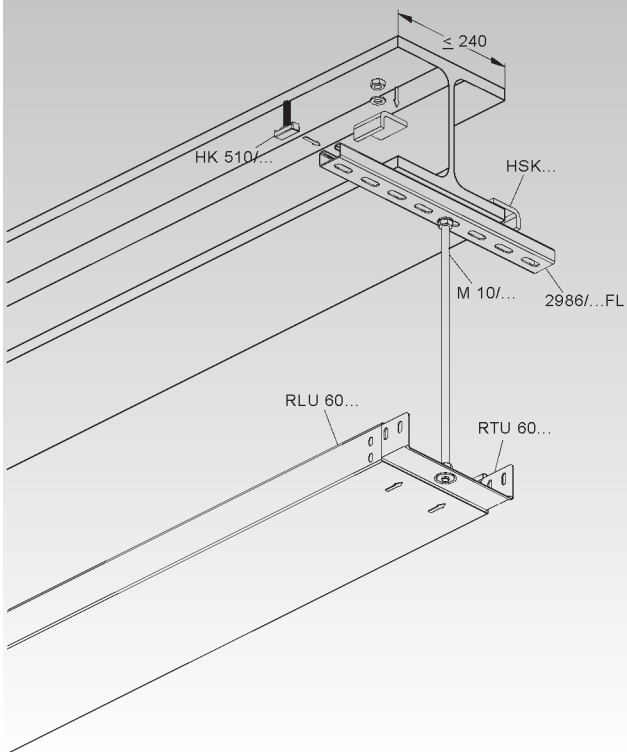
W=450 mm
8x GRHKM 6x15 and 2x GRVV 20/250



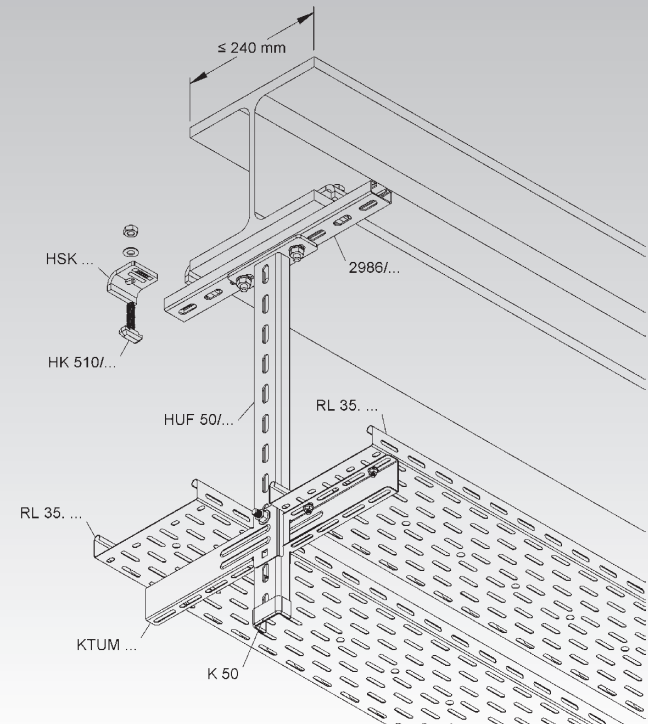
W=600 mm
8x GRHKM 6x15 and 2x GRVV 20/250

Installation Instructions

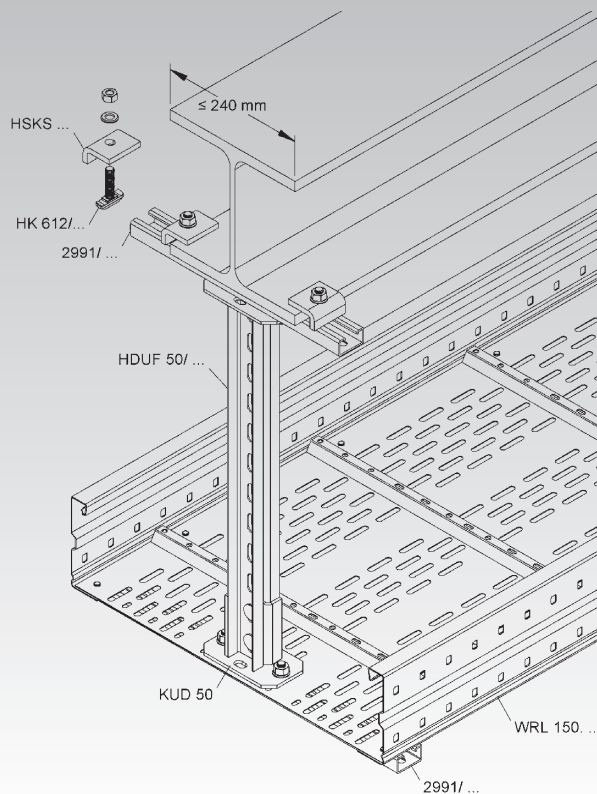
Typical clamping installation of cable tray to steel beams.



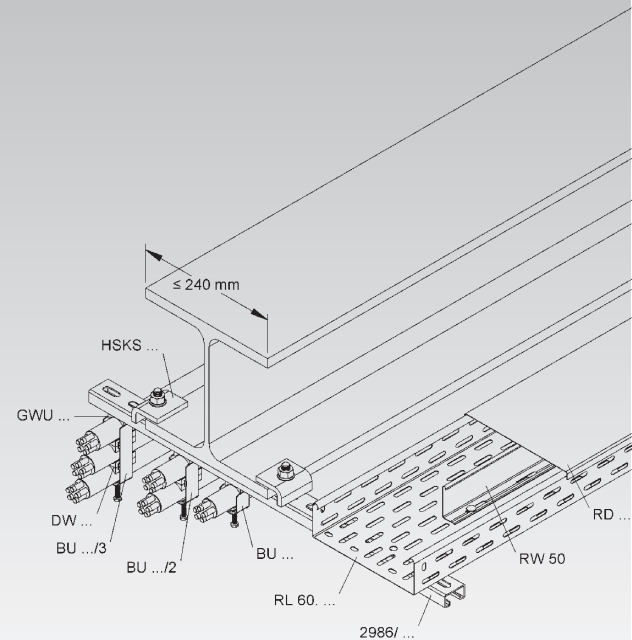
Typical clamping installation of cable tray to steel beams.



Typical clamping installation of longspan tray parallel to steel beams



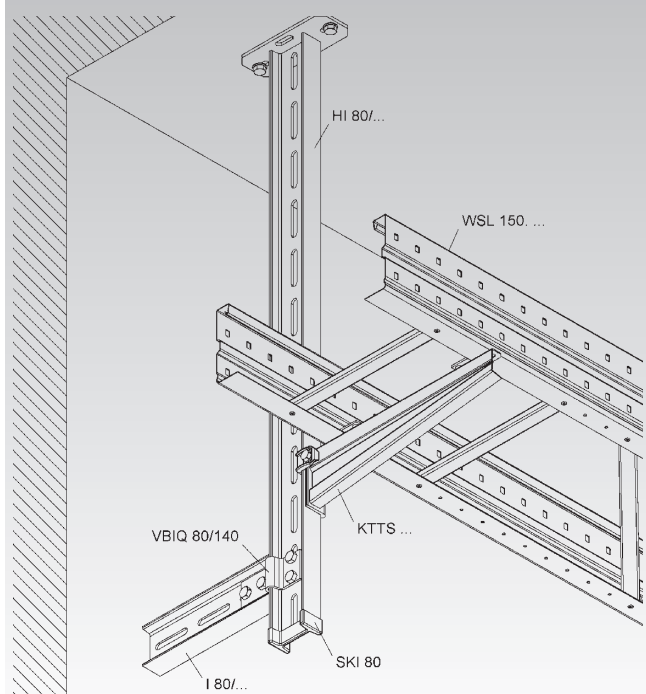
Typical clamping installation of cable tray parallel to steel beams



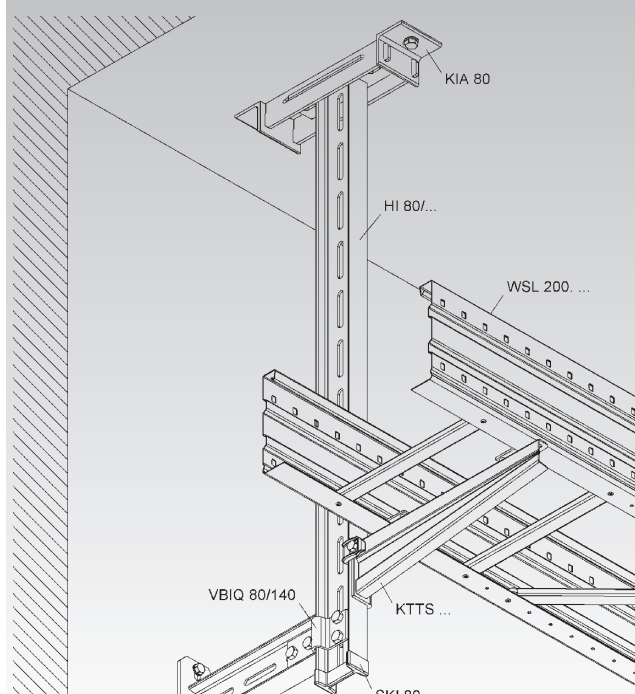
GENERAL INFORMATION

Installation Instructions

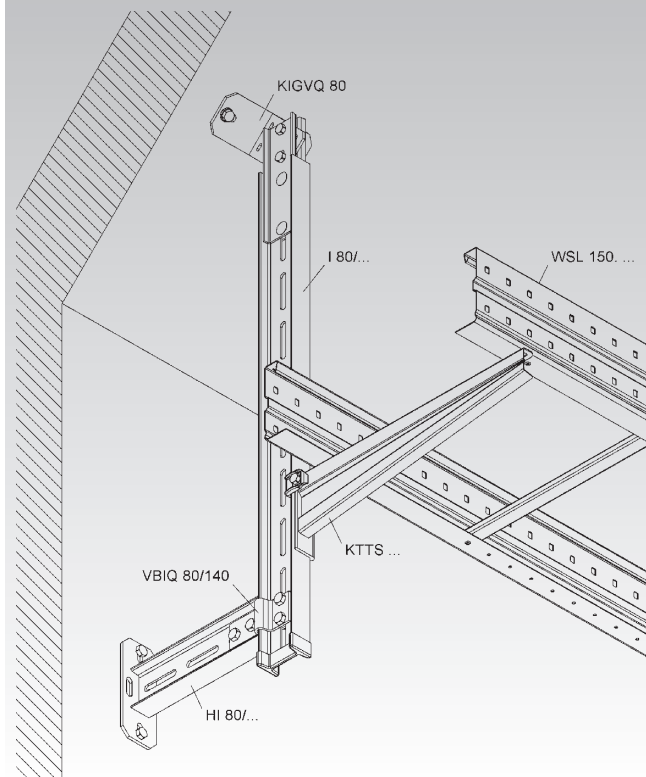
Typical installation of a heavy duty overhead hanger to a horizontal ceiling with extra wall support to minimize torsional stress.



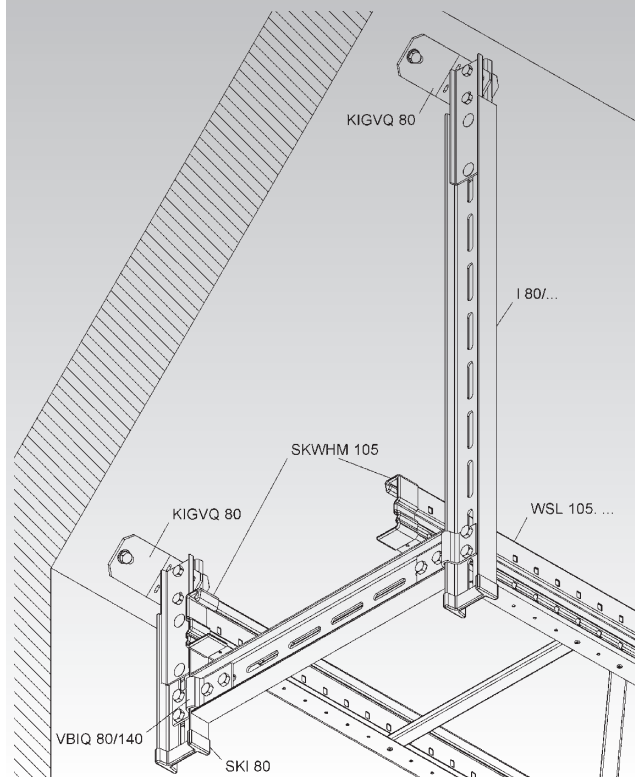
Reinforced mounting of a heavy duty overhead hanger to a horizontal ceiling with extra wall support to minimize torsional stress.



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

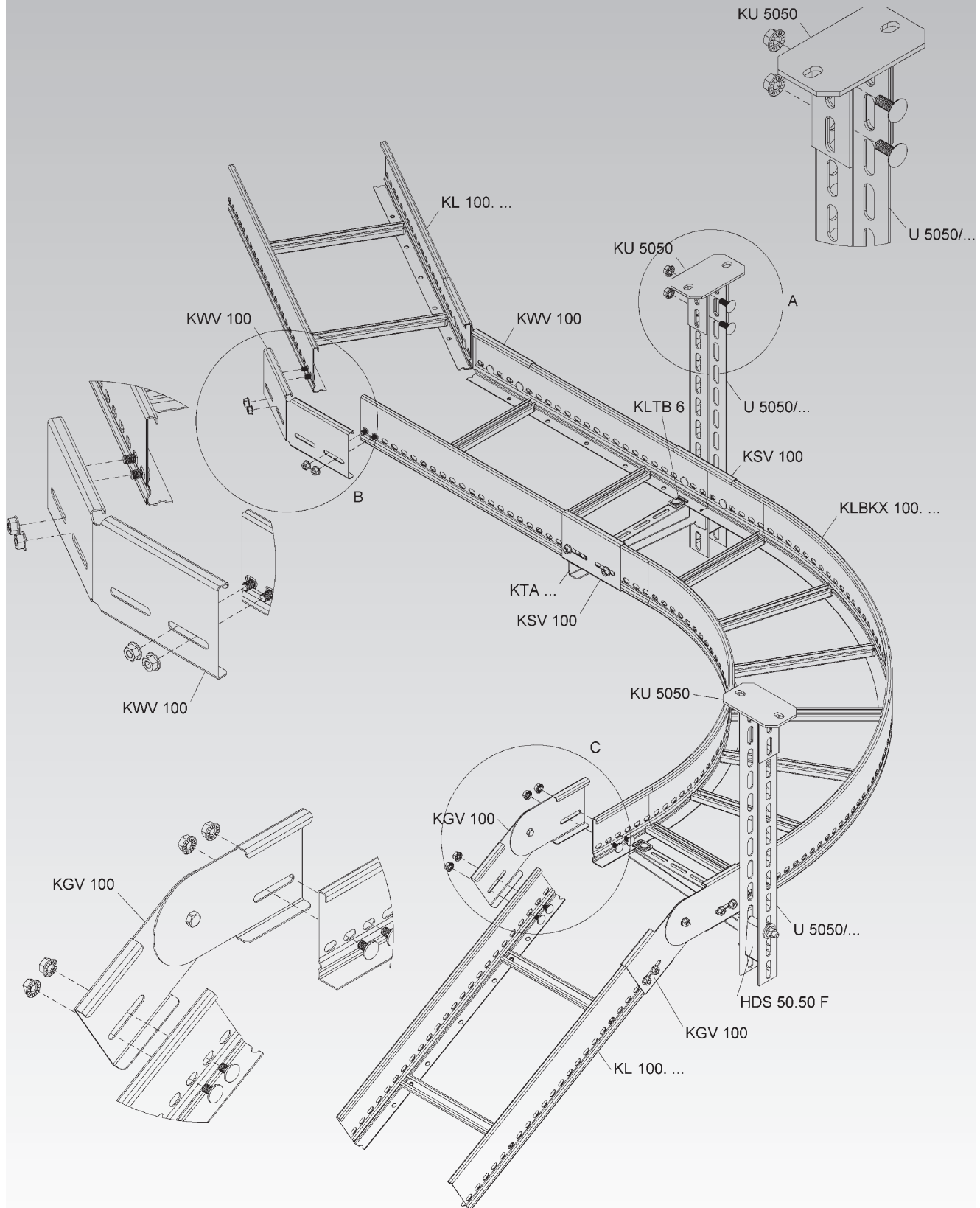


Trapeze type installation to a sloping ceiling using adjustable head plates and heavy duty I 80 profile.



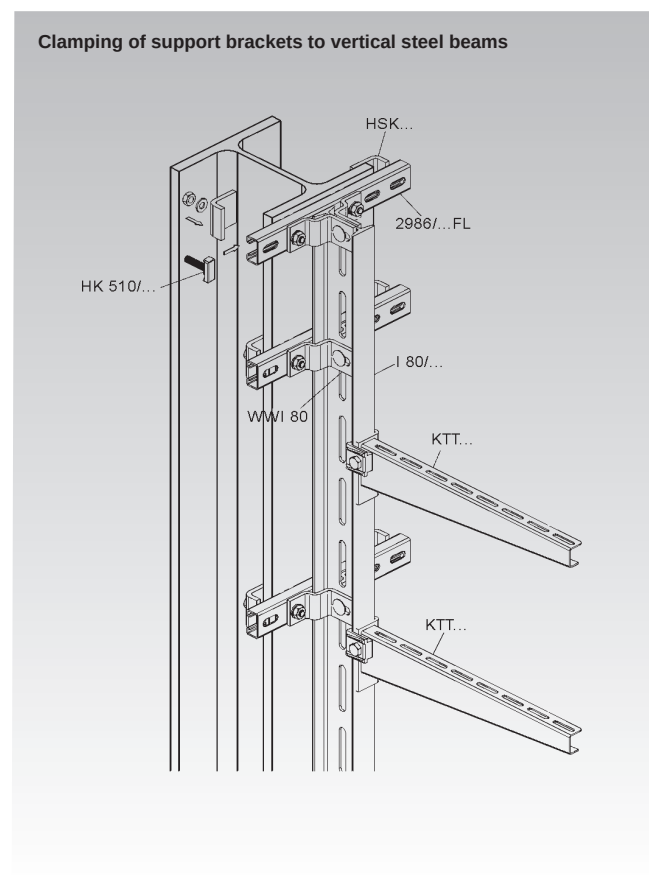
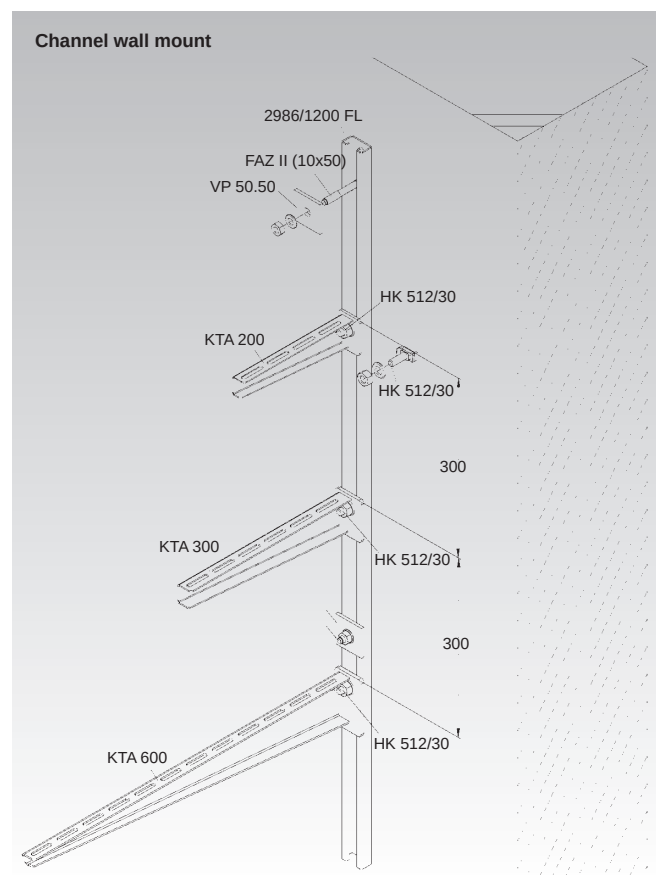
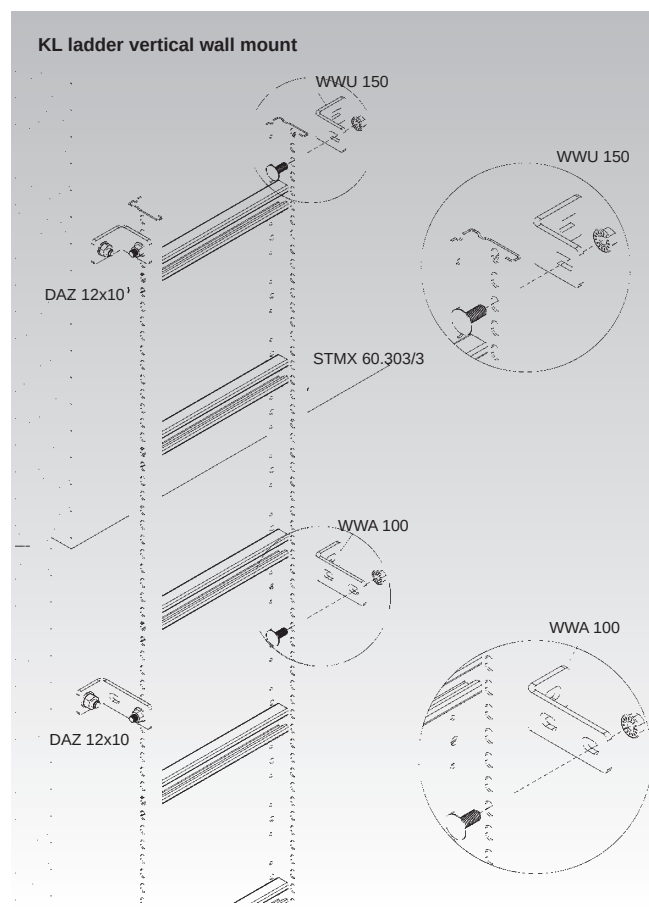
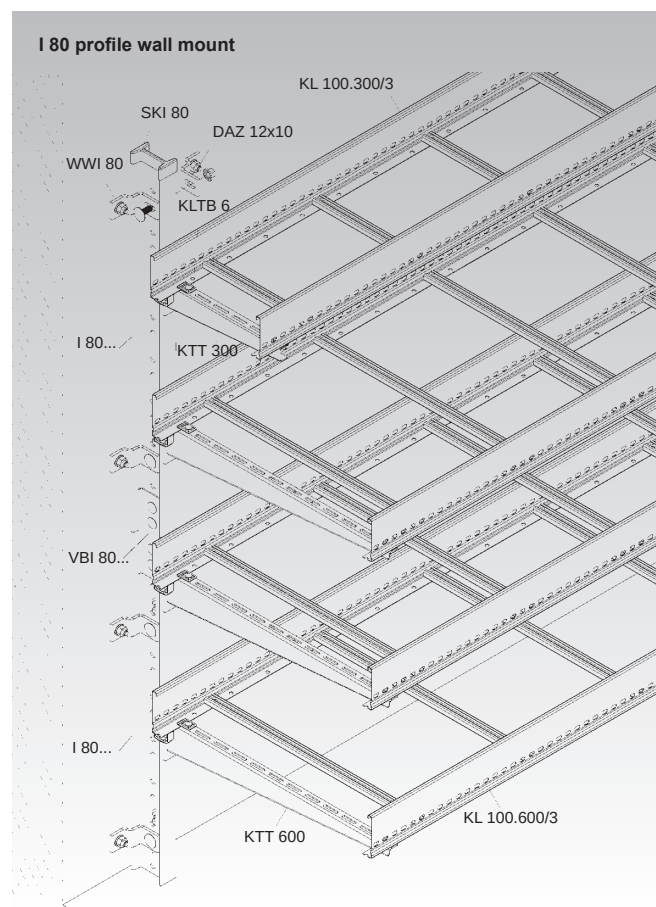
Installation Instructions

KL cable ladder with splice plates



GENERAL INFORMATION

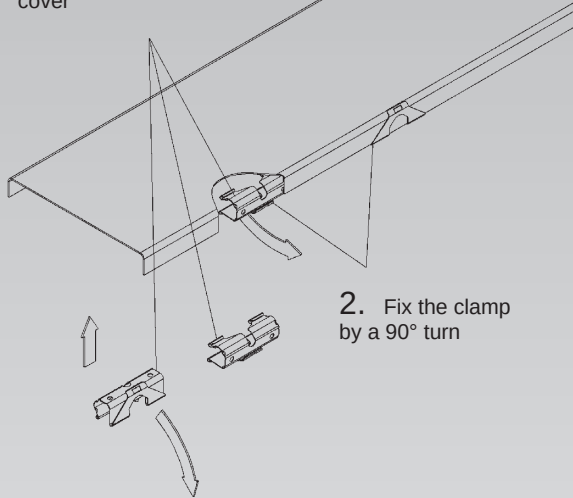
Installation Instructions



Install-/Deinstall Instructions

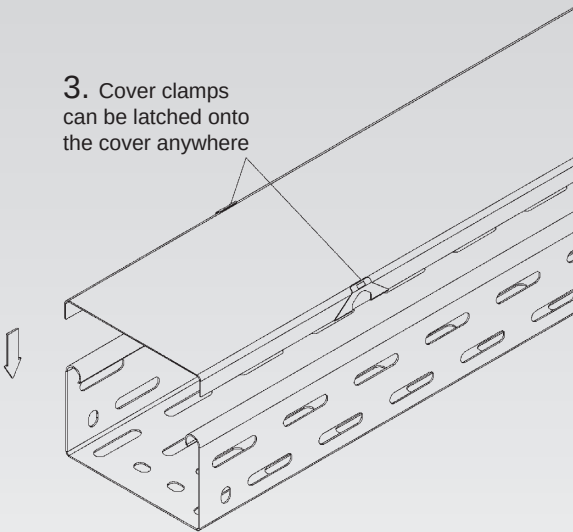
How to install/deinstall the cover clamp

1. Put RDHF 9 E2 into position at the flange of the cover

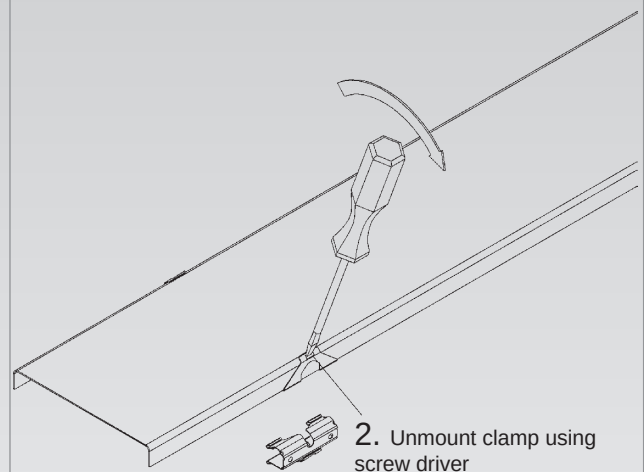
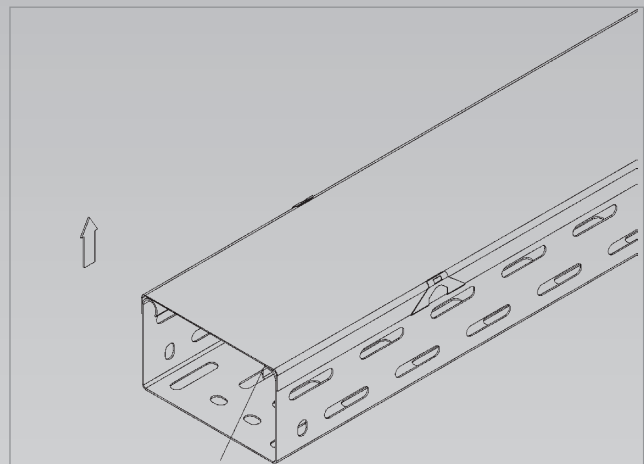


2. Fix the clamp by a 90° turn

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.

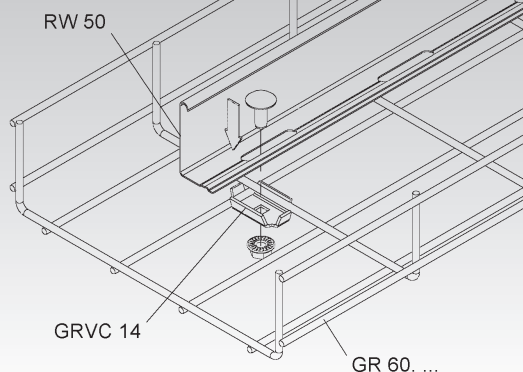
GENERAL INFORMATION

Installation Instructions

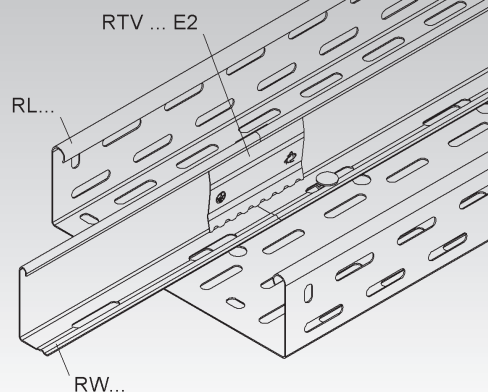
RW...

Installing barrier strips to wire mesh or cable tray

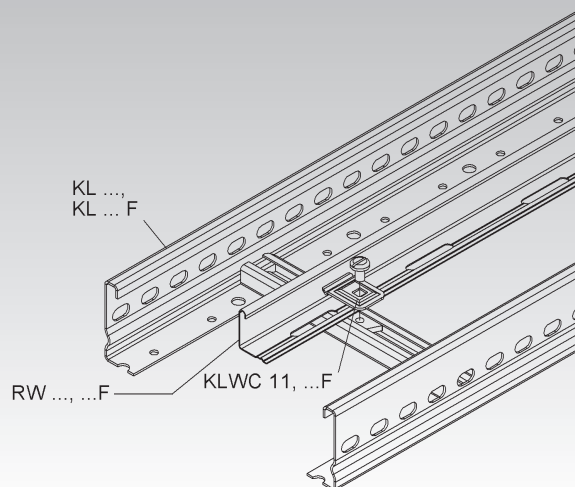
wire mesh tray



cable tray

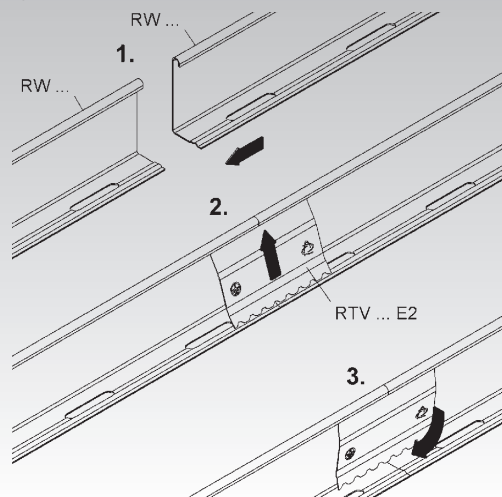


Installing barrier strips to cable ladders in **S** or **F** finish



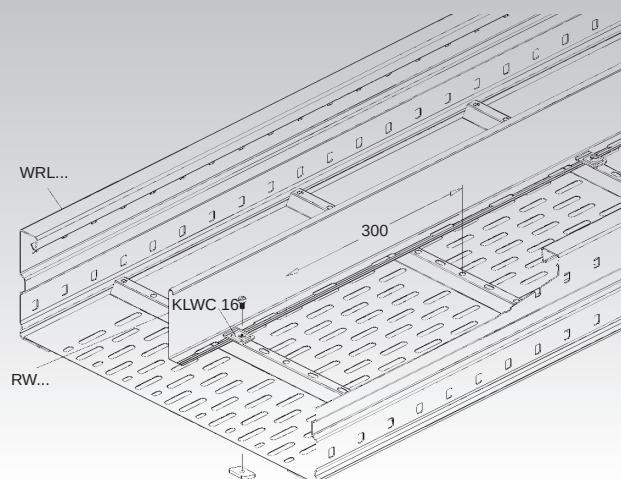
RTV...

Installing barrier strip splice plate

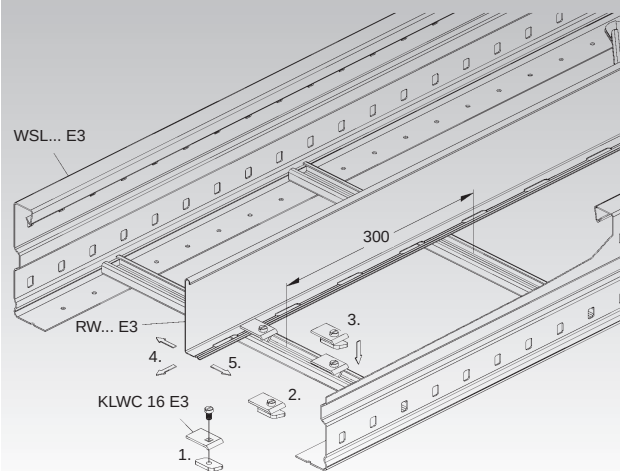


Installing barrier strips to long span tray or ladder

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



Long span ladder in E3 finish (bolt to every second rung)



The Z shaped bracket can be used as a low cost floor mount device for walkable cable tray.

RDVS ...
RDS ...

RTSKQ 110-...

Alternate mounting of Z shaped brackets is strictly recommended.

RSUV ...

RAW ...

RTSS ...

RZP 80/ ...
RZP 120/ ...

RTAS ...

RSST 500. ...

RSUS ...
RSQLS ...
RSBS ...

DSBA ...

GMZF ...

851... - 857...

TPHRS 110
TP 40.45

RDHFS 9 V

RDVSRSL ...
RDSRSL ...
RDVSRSL ...
RDSRSL ...

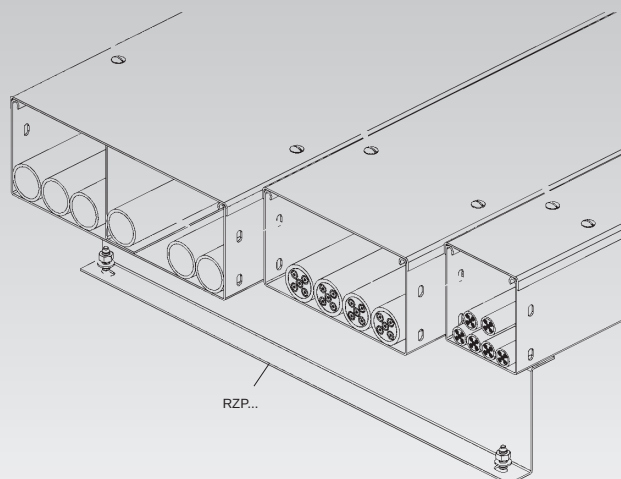
RA ...

RSUV ...

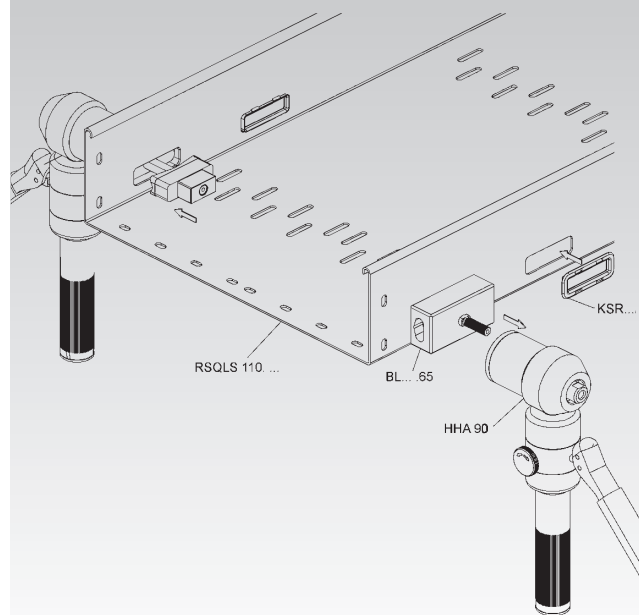
GENERAL INFORMATION

Installation Instructions

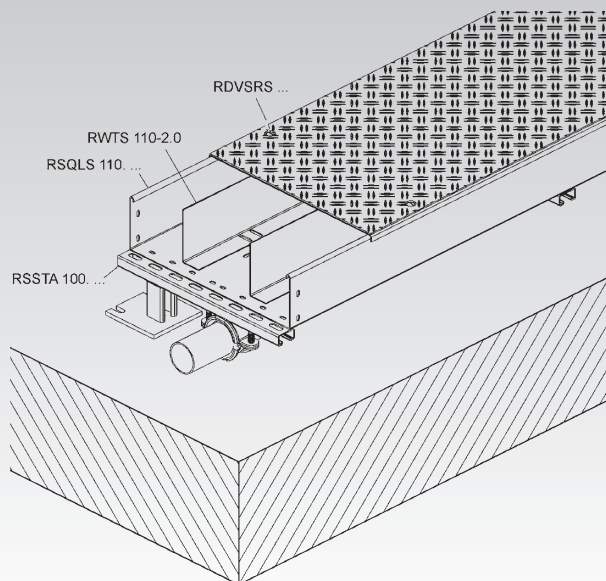
How to install multiple straight sections of tray on a single RZP bracket



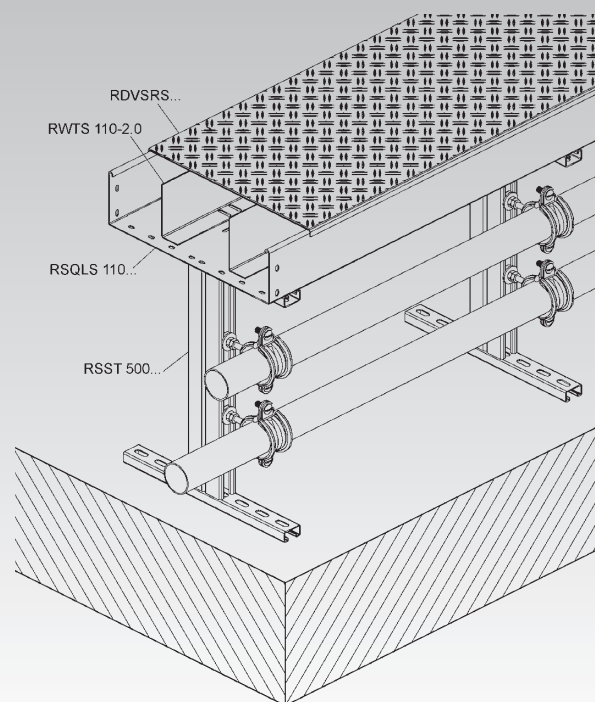
How to punch extra holes into cable tray (max. thickness 2 mm)



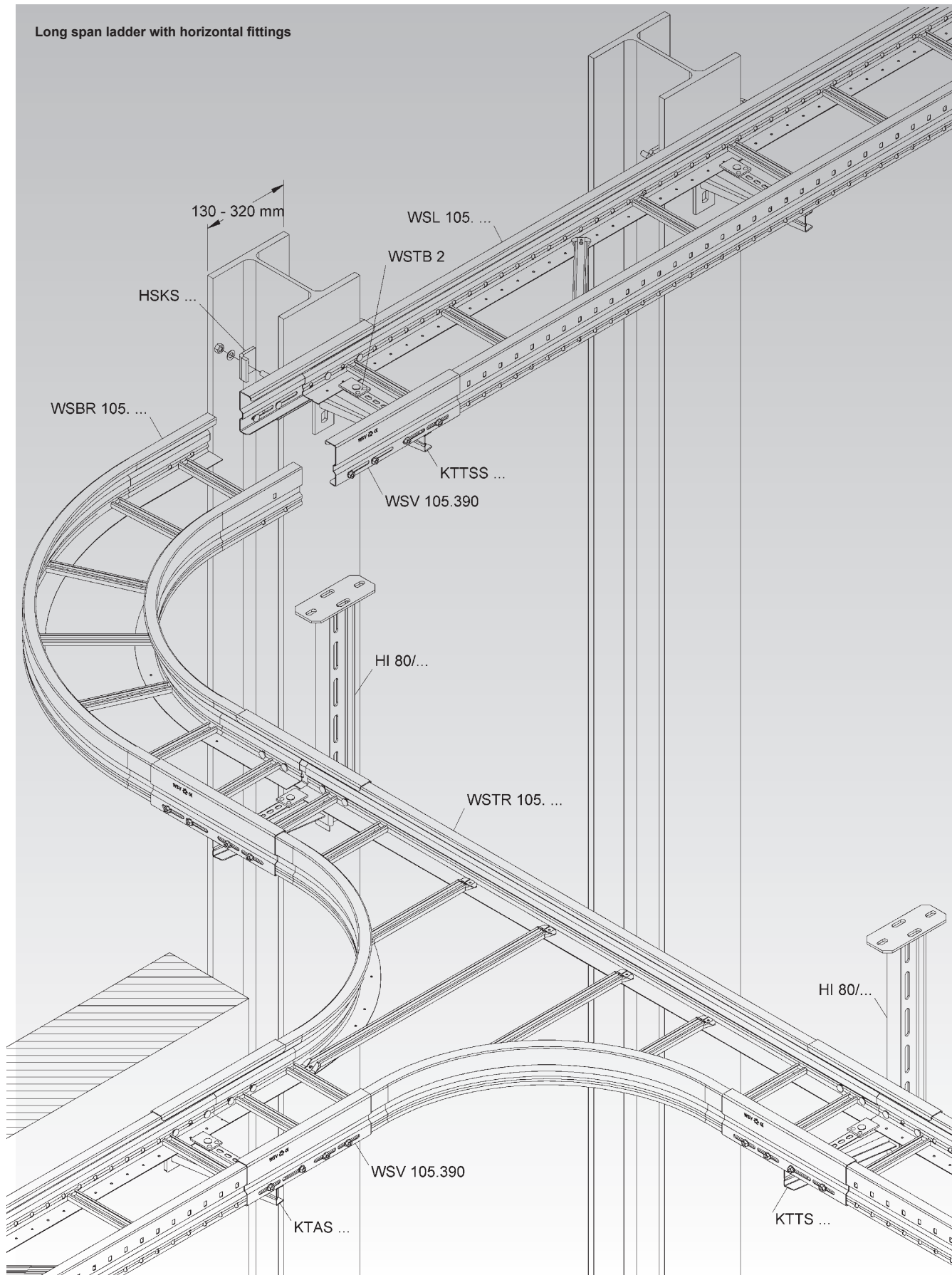
asymmetrical floor support RSSTA 100



symetrical floor support RSST 500



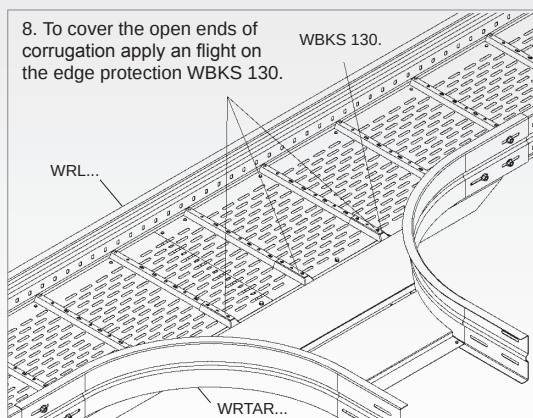
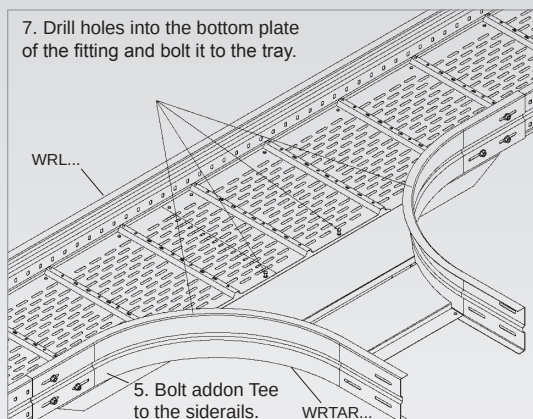
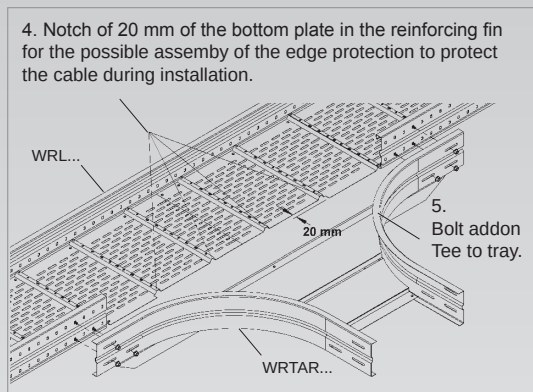
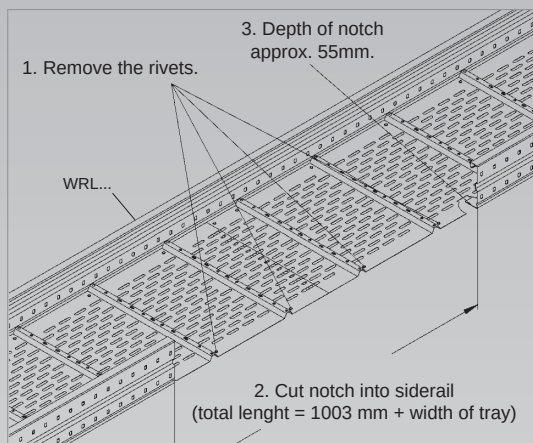
Installation Instructions



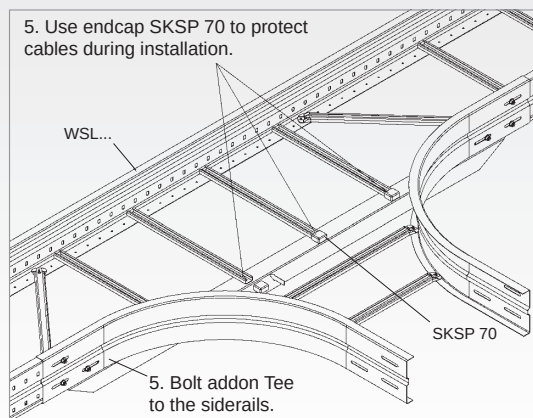
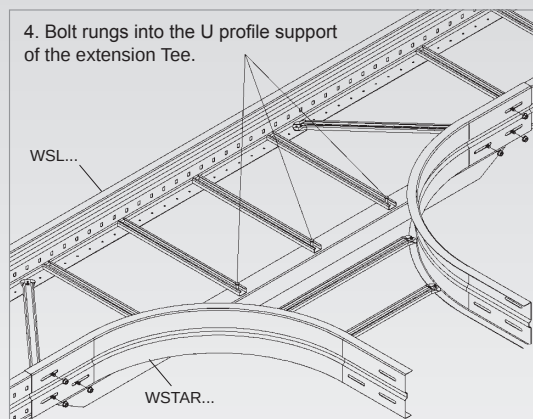
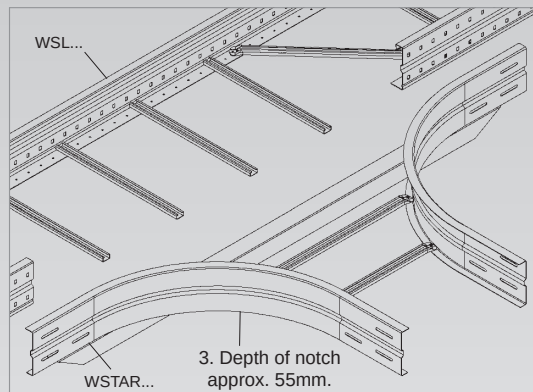
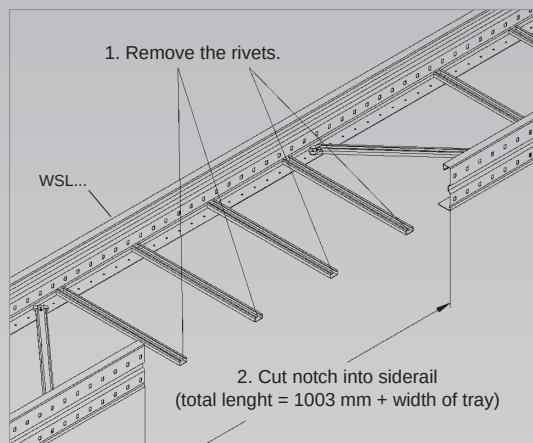
GENERAL INFORMATION

Installation Instructions

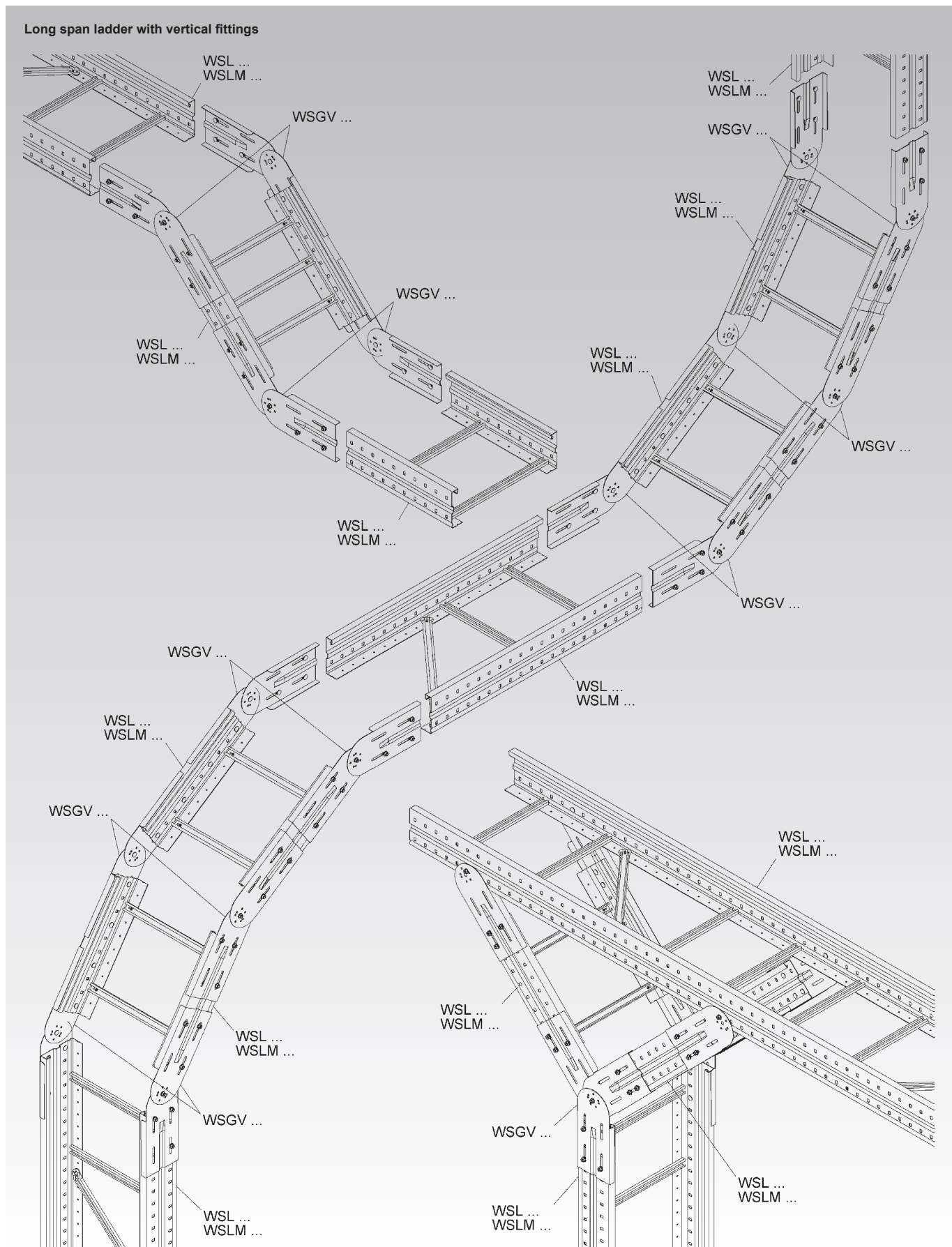
WRTAR...



WSTAR...



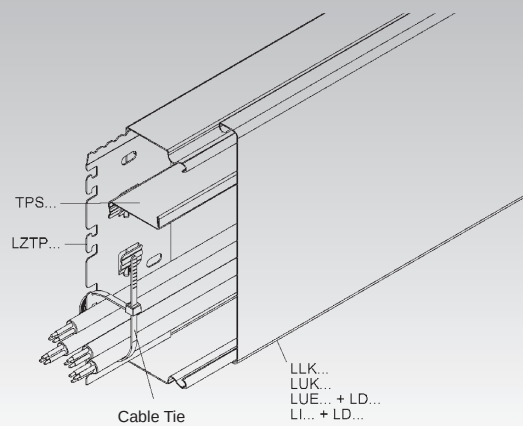
Installation Instructions



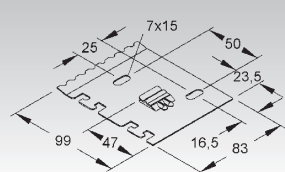
GENERAL INFORMATION

Installation Instructions

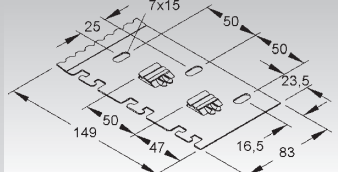
Installation of Divider using LZTP... mounting plate



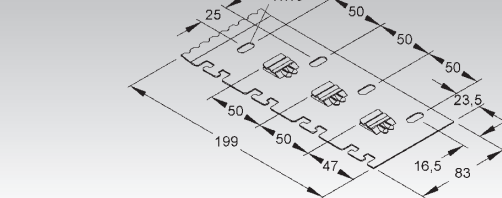
LZTP 100



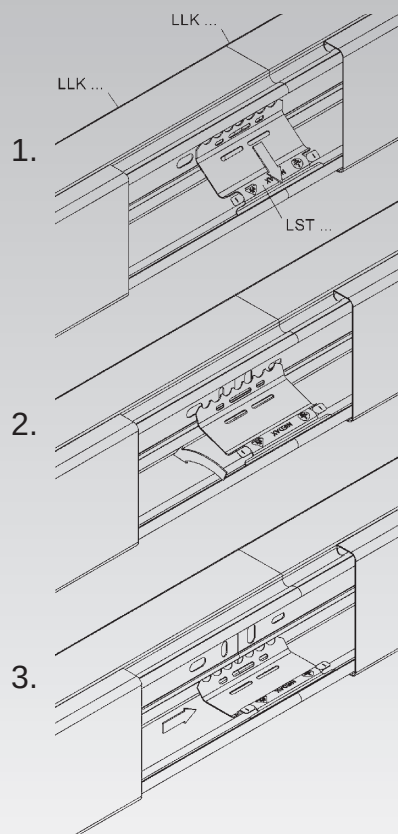
LZTP 150



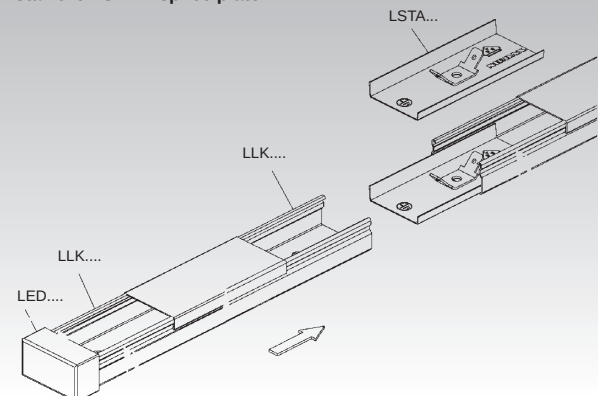
LZTP 200



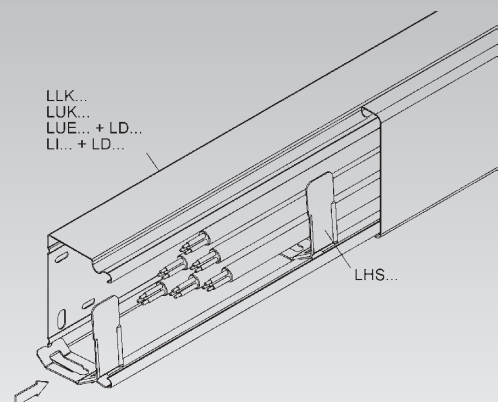
How to install Surface Raceway LLK... and LUK... with Splice Plate LST...



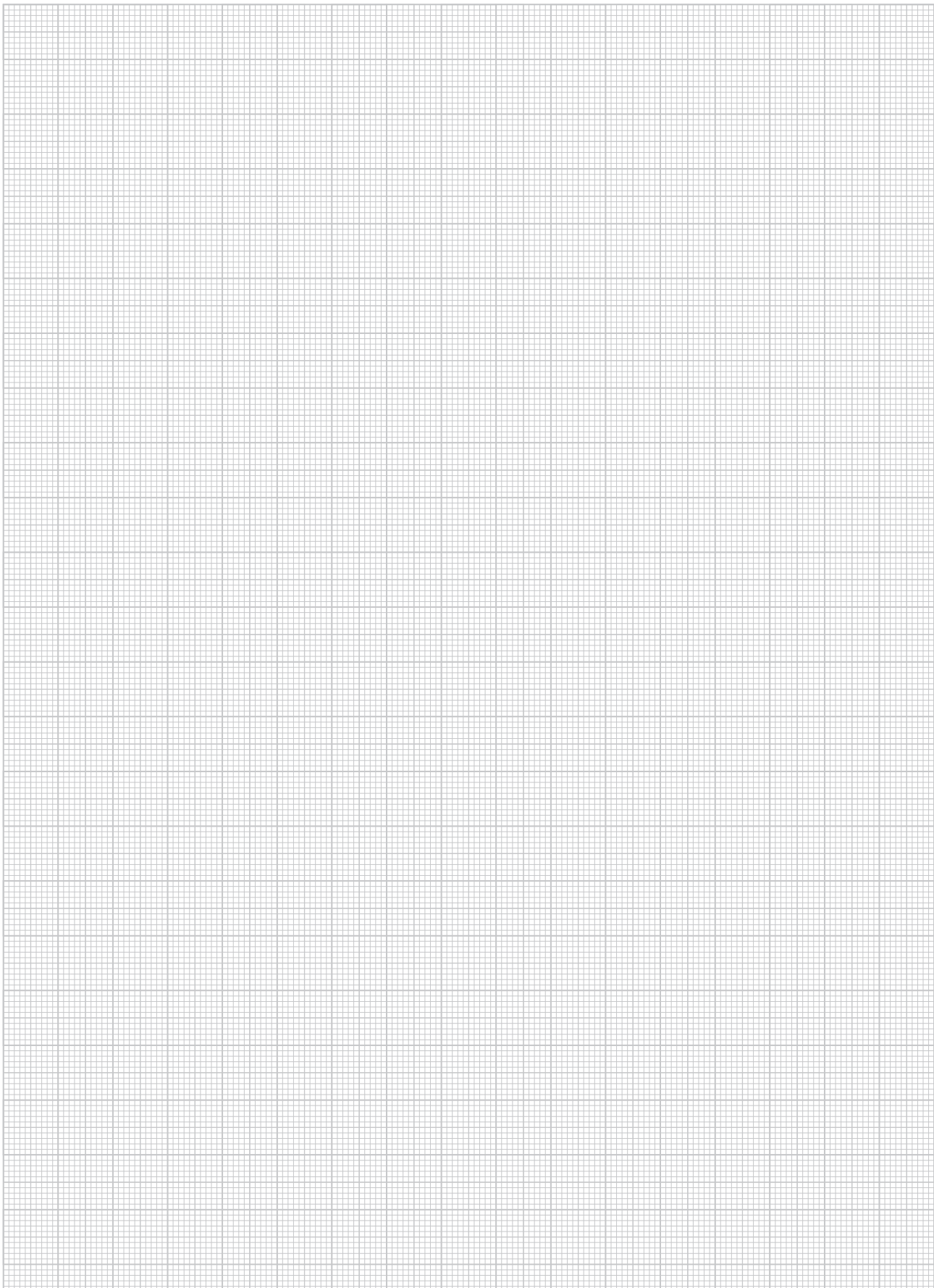
How to install the LSTA... splice plate



How to install the cable support clamp



NOTES

A large rectangular area filled with a fine grid of light gray lines, intended for handwritten notes.



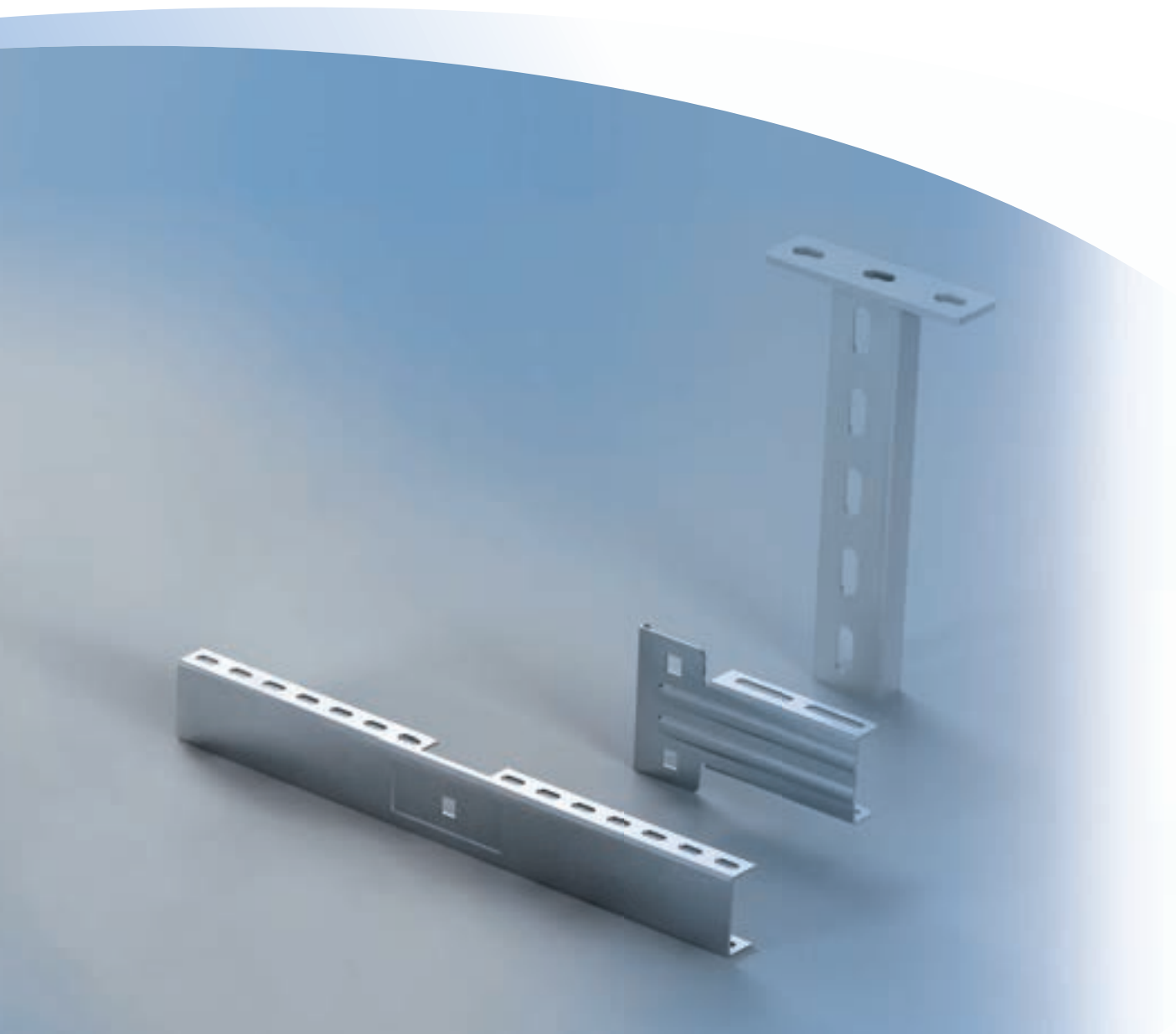
Support System

Overhead Hangers

C-Profiles

Brackets

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, ...

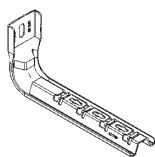
Overview Brackets and Accessoires

Quick Fix L-Bracket

Page 78

GTTKS...

Bearing Capacity:
0,64 kN - 1,08 kN

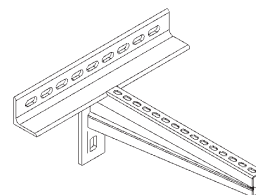


Clamping Bracket,
extra heavy-duty

Page 81

KTTSS...

Bearing Capacity:
7,5 kN - 10 kN



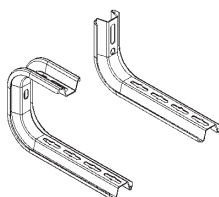
Combination Bracket/Hanger
and Wall/Ceiling Bracket

Page 76-77

TKS...

TKSU...

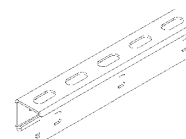
Bearing Capacity:
1,5 kN



Strut and Accessories

Page 104-116

29...

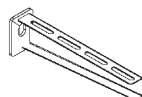


Overhead Hanger
and Wall Bracket, standard

Page 79

KTA...

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



Hardware

Page 107-112

DAZ..., FLM..., GMZ..., HK..., M..., SKM...

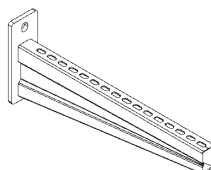


Wall Bracket, heavy-duty

Page 80

KTAS...

Bearing Capacity:
5 kN



Edge Protection and Tools

Page 113

KSR...A, RKBA...

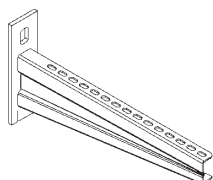


Wall Bracket,
extra heavy-duty

Page 81

KTASS...

Bearing Capacity:
10 kN



Yoke Clamps

Page 114

BA...



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.

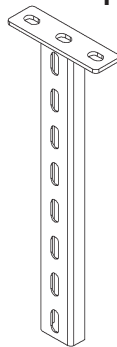
Overview Hangers

Overhead Hanger

HUF 50/...

Profile: U 50

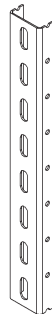
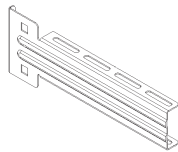
Page 83



Overhead Hanger
and Wall Bracket

U 50...

KTUM 50...

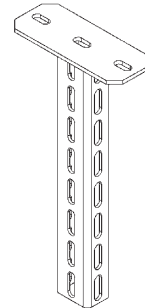


Overhead Hanger

HU 6040/...

Profile: U 6040

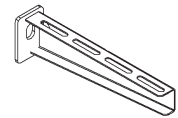
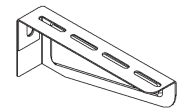
Page 91



Overhead Hanger
and Wall Bracket

KTAM...

KTA...

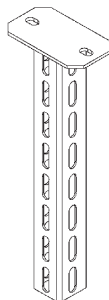


Overhead Hanger

HU 5050/...

Profile: U 5050

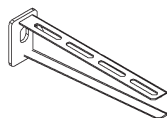
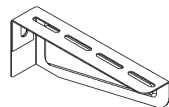
Page 87



Overhead Hanger
and Wall Bracket

KTAM...

KTA...

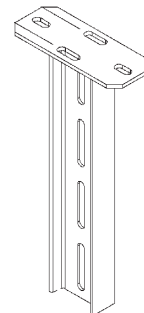


Overhead Hanger

HI 80/...

Profile:
I 80 acc. to DIN 1025

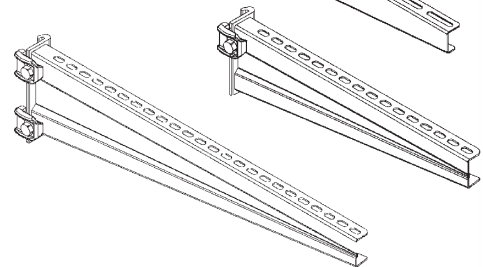
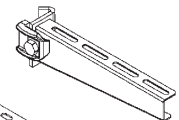
Page 95



Overhead Hanger
and Wall Bracket

KT...

KTTS...



SUPPORT SYSTEM

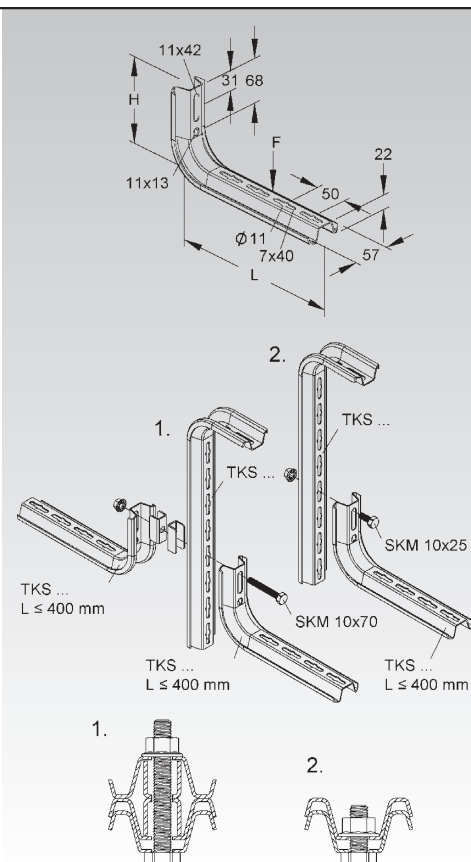
Combination Bracket / Hanger

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 pc. kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	TKS 100	132	5,2	163	6,4	1,50	33,58	20 pc.
S	TKS 150	132	5,2	213	8,4	1,20	39,83	20 pc.
S	TKS 200	132	5,2	263	10,4	1,10	46,08	20 pc.
S	TKS 300	132	5,2	363	14,3	0,75	58,57	20 pc.
S	TKS 400	132	5,2	463	18,2	0,50	71,07	20 pc.
E3	TKS 100 E3	132	5,2	163	6,4	1,50	31,00	20 pc.
E3	TKS 200 E3	132	5,2	263	10,4	1,10	43,00	20 pc.
E3	TKS 300 E3	132	5,2	363	14,3	0,75	55,00	20 pc.
E3	TKS 400 E3	132	5,2	463	18,2	0,50	68,00	20 pc.

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

1. for back to back mounting of hangers
2. for single sided mounting of hangers

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



Spacer

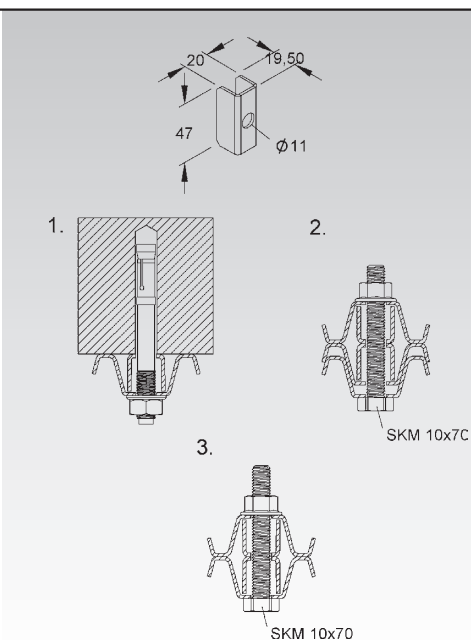
model no.	Weight per 100 pc. kg	Pack / Box Qty
S TKSD 20	4	50 pc.

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

Suitable for: TKS ... and TKSU type hangers and brackets

1. wall and ceiling mount
2. for back to back mounting of hangers
3. for mounting TKSU brackets to wall or ceiling

Please order SKM... bolts separately.



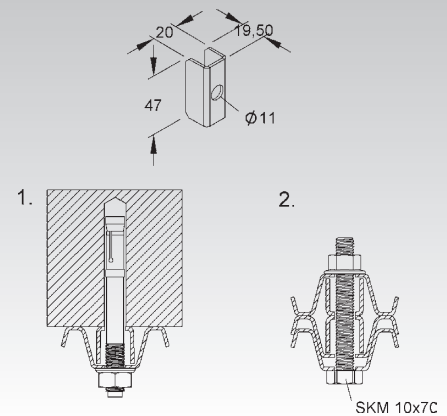
Spacer

model no.	Weight per 100 pc. kg	Pack / Box Qty
E3 TKS D 20 E3	3	50 pc.

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

1. wall and ceiling mount
2. for back to back mounting of hangers

Please order SKM... bolts separately.



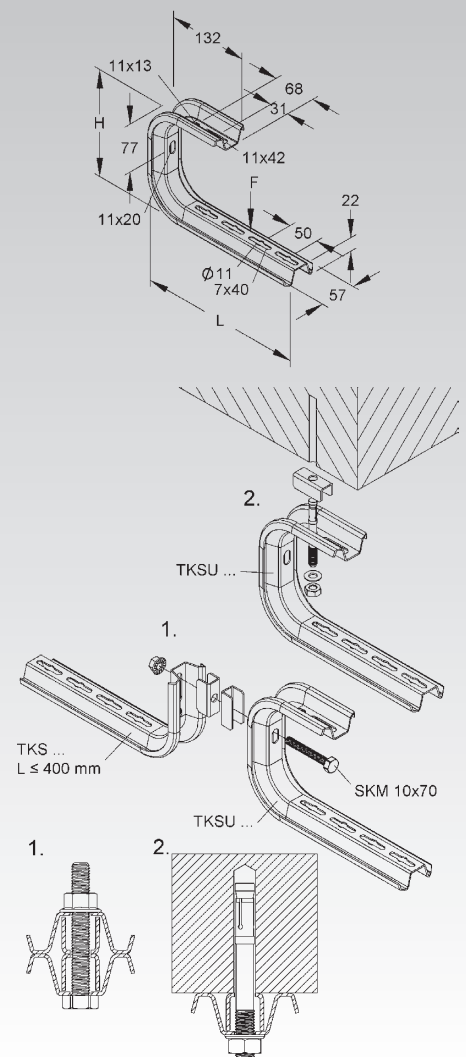
Wall / Ceiling Bracket

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pc. kg	Pack / Box Qty
	mm Inch	mm Inch			
S TKS U 100	172 6,8	161 6,3	0,95	50,83	20 pc.
S TKS U 200	172 6,8	261 10,3	0,70	63,44	20 pc.
S TKS U 300	172 6,8	361 14,2	0,50	76,05	20 pc.

for wall or ceiling mount

1. for back to back mounting of hangers
2. wall and ceiling mount

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



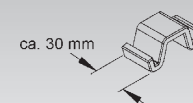
Protective Cap

model no.	color	Weight per 100 pc. kg	Pack / Box Qty
K10 TKS K 30	yellow	1,61	10 pc.

to be installed as end cap

Suitable for: TKS ... and TKS U 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.



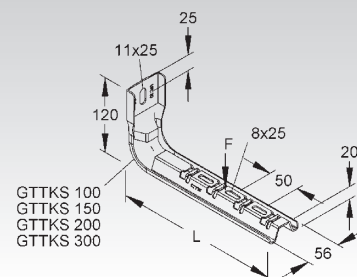
SUPPORT SYSTEM

Hanger / Wall Bracket for Wire Mesh Tray

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	GTTKS 150 S	120	4,7	215	8,5	1,08	38	20
S	GTTKS 200 S	120	4,7	265	10,4	0,86	43	20
S	GTTKS 300 S	120	4,7	365	14,4	0,64	60	20
E4	GTTKS 150 E4	120	4,7	215	8,5	1,08	38	20
E4	GTTKS 200 E4	120	4,7	265	10,4	0,86	40	20

Specifically designed for boltless attachment of wire mesh tray.

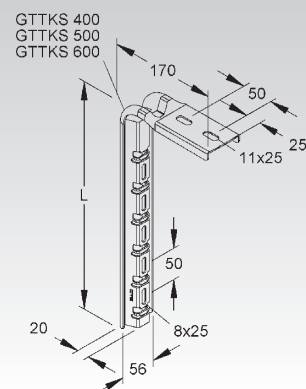
The load rating shown is valid only for proper anchorage to the building structure.



Hanger for Wire Mesh Tray

	model no.	height H		length A		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	GTTKS 400 S	170	6,7	465	18,3	71	20
S	GTTKS 500 S	170	6,7	565	22,2	86	20
S	GTTKS 600 S	170	6,7	665	26,2	95	20

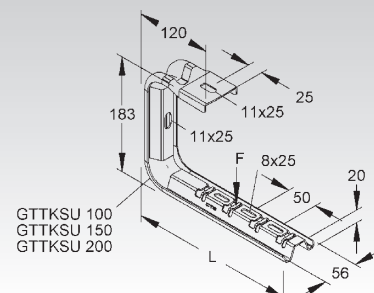
Specifically designed for boltless attachment of wire mesh tray.



Wall / Ceiling Bracket for Wire Mesh Tray

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	GTTKSU 100 S	183	7,2	165	6,5	1,22	53	1 pc.
S	GTTKSU 150 S	183	7,2	215	8,5	1,00	60	1 pc.
S	GTTKSU 200 S	183	7,2	265	10,4	0,81	67	1 pc.

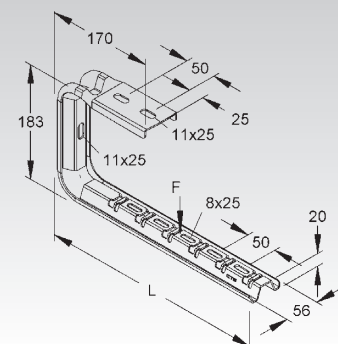
The load rating shown is only valid for proper anchorage to the building structure.



Wall / Ceiling Bracket for Wire Mesh Tray

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	GTTKSU 300 S	183	7,2	365	14,4	0,64	85	1 pc.

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



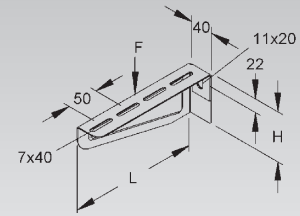
Bracket

medium duty

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
S KTAM 100	60 2,4	110 4,3	1,2	16,41	20
S KTAM 200	80 3,1	210 8,3	1,2	30,27	20
S KTAM 300	82 3,2	320 12,6	1,5	44,20	20
S KTAM 400	82 3,2	420 16,5	1,5	50,20	20
F KTAM 100 F	60 2,4	110 4,3	1,2	17,76	20
F KTAM 200 F	80 3,1	210 8,3	1,2	33,01	20
F KTAM 300 F	82 3,2	320 12,6	1,5	48,38	20
F KTAM 400 F	82 3,2	420 16,5	1,5	55,02	20
E3 KTAM 100 E3	60 2,4	110 4,3	1,2	16,37	20
E3 KTAM 200 E3	80 3,1	210 8,3	1,2	30,32	20
E3 KTAM 300 E3	85 3,3	310 12,2	1,2	50,78	20

for mounting to overhead hangers or for direct wall mount

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



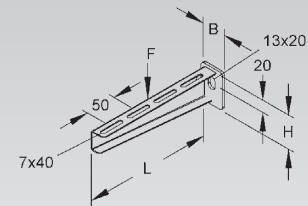
Bracket

medium-duty

model no.	height H	width B	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch			
F KTA 100	45 1,8	40 1,6	110 4,3	2,5	13,60	20
F KTA 150	45 1,8	40 1,6	160 6,3	2,5	16,90	20
F KTA 200	55 2,2	40 1,6	210 8,3	2,5	25,20	20
F KTA 250	55 2,2	40 1,6	260 10,2	2,5	29,80	20
F KTA 300	65 2,6	50 2	310 12,2	2,5	55,80	20
F KTA 350	65 2,6	50 2	360 14,2	2,5	62,70	20
F KTA 400	75 3	50 2	410 16,1	2,5	75,20	20
F KTA 450	75 3	50 2	460 18,1	2,5	83,80	10
F KTA 500	90 3,5	50 2	510 20,1	2,5	106,70	10
F KTA 550	90 3,5	50 2	560 22	2,5	129,20	10
F KTA 600	90 3,5	50 2	610 24	2,5	122,80	10
E3 KTA 100 E3	45 1,8	40 1,6	110 4,3	2,5	14,60	20
E3 KTA 200 E3	55 2,2	40 1,6	210 8,3	2,5	25,68	20
E3 KTA 300 E3	65 2,6	50 2	310 12,2	2,5	54,14	20
E3 KTA 400 E3	90 3,5	50 2	410 16,1	2,5	80,00	20
E3 KTA 500 E3	110 4,3	50 2	510 20,1	2,5	120,00	10
E3 KTA 600 E3	110 4,3	50 2	610 24	2,5	135,00	10

for mounting to overhead hangers or for direct wall mount

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

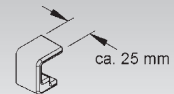


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K10 KA 100-600	yellow	1,4	10

protective end cap for cable tray brackets

Suitable for: KTA..., KTT... and KTU brackets



SUPPORT SYSTEM

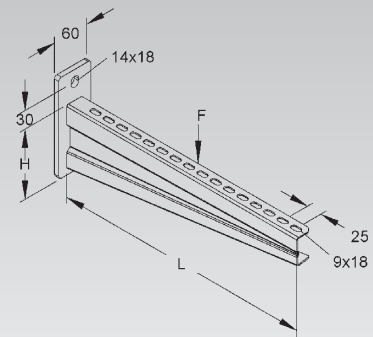
Bracket

heavy-duty

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
F KTAS 100	113 4,4	130 5,1	5	90,05	1
F KTAS 200	113 4,4	230 9,1	5	108,56	1
F KTAS 300	113 4,4	330 13	5	130,86	1
F KTAS 400	113 4,4	430 16,9	5	155,49	1
F KTAS 500	150 5,9	530 20,9	5	197,79	1
F KTAS 600	150 5,9	630 24,8	5	227,10	1
F KTAS 700	150 5,9	730 28,7	5	303,33	1
F KTAS 800	195 7,7	830 32,7	5	364,47	1
F KTAS 900	195 7,7	930 36,6	5	409,88	1
F KTAS 1000	195 7,7	1030 40,6	5	458,21	1
E3 KTAS 200 E3	110 4,3	230 9,1	5	99,30	1
E3 KTAS 300 E3	110 4,3	330 13	5	119,70	1
E3 KTAS 400 E3	110 4,3	430 16,9	5	142,25	1
E3 KTAS 500 E3	150 5,9	530 20,9	5	181,00	1
E3 KTAS 600 E3	150 5,9	630 24,8	5	207,80	1

for mounting to overhead hangers or for direct wall mount

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



Clamping Device

model no.	slot width	admissible load F at L/2 kN	Weight per 100 pc. kg	Pack / Box Qty
	mm Inch			
F KKAT 300	22 0,9	1,5	140,73	10 pc.

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

Suitable for: KTAL..., KTAM..., KTA..., KTCL... and KTC...type brackets

First install the bracket to the adaptor.

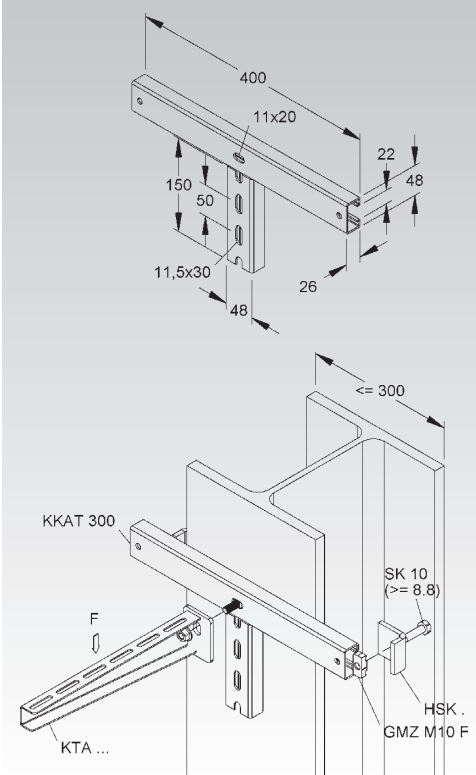
The clamping should be done symmetrical and the bolts should be fixed as close as possible to the flange.

Maximum load ratings of brackets used do apply.

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.

Hardware has to be ordered separately:

2 x HK 610/..., 2 x HSK...



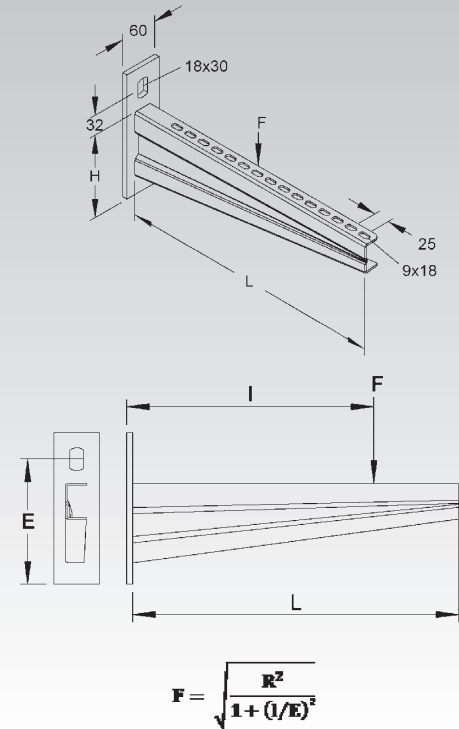
Wall Bracket

extra heavy-duty version

	model no.	height H		height E		length A		admissible load F at L/2 kN	admissible load F2 at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch				
F	KTASS 200	83	3,3	115	4,5	230	9,1	10	10,0	112,31	1
F	KTASS 300	108	4,3	140	5,5	330	13	10	10,0	150,58	1
F	KTASS 400	133	5,2	165	6,5	430	16,9	10	10,0	191,76	1
F	KTASS 500	133	5,2	165	6,5	530	20,9	10	9,5	225,51	1
F	KTASS 600	158	6,2	190	7,5	630	24,8	10	9,5	309,34	1
F	KTASS 700	158	6,2	190	7,5	730	28,7	10	8,5	356,87	1
F	KTASS 800	183	7,2	215	8,5	830	32,7	10	8,5	418,26	1
F	KTASS 900	183	7,2	215	8,5	930	36,6	10	7,5	472,79	1
F	KTASS 1000	208	8,2	240	9,4	1030	40,6	10	7,5	541,19	1

for wall mount

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



Clamping Bracket

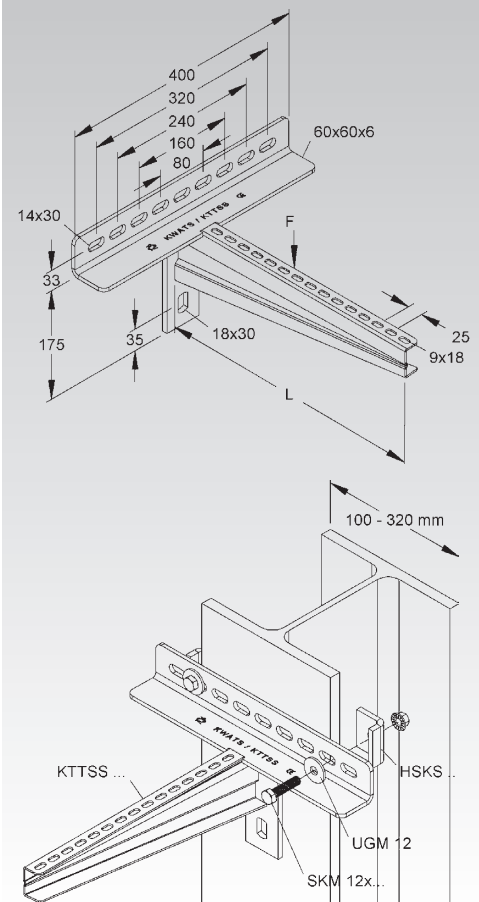
extra heavy-duty version

	model no.	height H		length A		admissible load F at L/2 kN	admissible load F2 at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch				
F	KTSS 200	156	6,1	230	9,1	10,00	10,0	318,22	1
F	KTSS 300	156	6,1	330	13	10,00	10,0	346,13	1
F	KTSS 400	181	7,1	430	16,9	9,36	10,0	387,32	1
F	KTSS 500	181	7,1	530	20,9	8,89	10,0	421,06	1
F	KTSS 600	206	8,1	630	24,8	8,53	10,0	504,28	1
F	KTSS 700	206	8,1	730	28,7	7,37	8,0	551,82	1
F	KTSS 800	231	9,1	830	32,7	6,55	7,0	613,21	1
F	KTSS 900	231	9,1	930	36,6	6,28	6,5	667,74	1
F	KTSS 1000	256	10,1	1030	40,6	5,69	6,0	736,13	1

for clamping to beams or for direct wall mount

The load rating shown is valid only when using HSKS... beam clamps with 8.8 grade M12 bolts.

Hardware not included. Please order beam clamps and bolts separately.



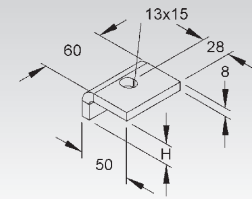
Beam Clamp

heavy-duty version

model no.	height H	flange thickness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm		
F HSKS 10	10 0,4	5 - 9	21	25
F HSKS 15	15 0,6	10 - 14	25	25
F HSKS 20	20 0,8	15 - 19	27	25
F HSKS 25	25 1	20 - 24	33	25
F HSKS 30	30 1,2	25 - 29	41	25
F HSKS 35	35 1,4	30 - 34	49	25
F HSKS 40	40 1,6	35 - 39	60	25



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Hexagonal Bolt

serrated flange nut included

model no.	thread M	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch			
F SKM 12X50 F	12	50 2	10.9	7,70	20
F SKM 12X70 F	12	70 2,8	10.9	9,28	20



Please maintain proper tightening torque of bolts/nuts especially for all vertical clamping connections. SKM 12..., tightening torque 123 Nm, 19 mm metric wrench



Overhead Hanger

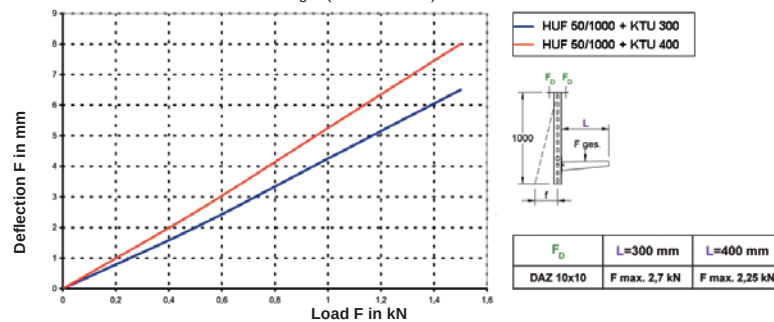
U-Profile

	model no.	Total length L		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
F	HUF 50/200	201	7,9	47,70	20
F	HUF 50/250	255	10	54,40	20
F	HUF 50/300	301	11,9	61,20	20
F	HUF 50/400	401	15,8	74,60	20
F	HUF 50/500	501	19,7	88,10	20
F	HUF 50/600	601	23,7	101,60	10
F	HUF 50/700	705	27,8	117,76	1
F	HUF 50/800	805	31,7	131,56	1
F	HUF 50/900	905	35,6	145,35	1
F	HUF 50/1000	1005	39,6	159,15	1
E3	HUF 50/200 E3	204	8	40,82	20
E3	HUF 50/300 E3	304	12	53,44	20
E3	HUF 50/400 E3	404	15,9	66,06	20
E3	HUF 50/500 E3	504	19,8	78,68	20
E3	HUF 50/600 E3	604	23,8	91,31	10
E3	HUF 50/700 E3	704	27,7	103,93	1
E3	HUF 50/800 E3	804	31,7	116,55	1
E3	HUF 50/900 E3	904	35,6	129,17	1
E3	HUF 50/1000 E3	1004	39,5	141,79	1

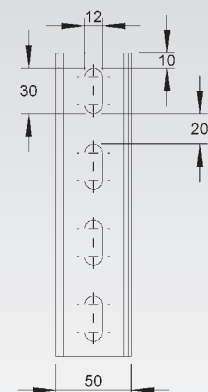
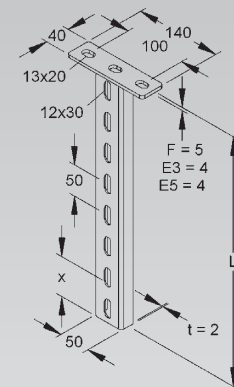
Suitable for: KTUM ... and KTU ... type brackets

The load rating 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.



$$I_x = 6,66 \text{ cm}^4$$

$$I_y = 0,74 \text{ cm}^4$$

$$W_x = 2,66 \text{ cm}^3$$

$$W_y = 0,48 \text{ cm}^3$$

Protective End Cap

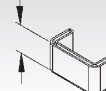
	model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K10	K 50	yellow	0,98	10

protective end cap

Suitable for: profile U 50/... and overhead hanger HUF 50/...



ca. 27 mm

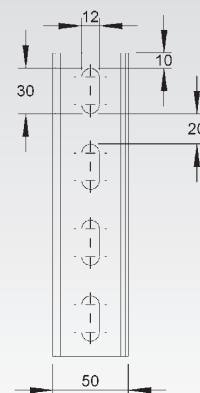
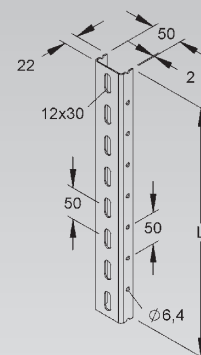


SUPPORT SYSTEM

Profile U 50

model no.	length A	Weight per 100 m kg	Pack / Box Qty
	mm Inch		
S U 50/3000	3000 118,1	123,40	3 m
F U 50/3000 F	3000 118,1	135,74	3 m
E3 U 50/3000 E3	3000 118,1	126,22	3 m

for building customized overhead hangers, floorstands or support frames



$$I_x = 6,66 \text{ cm}^4$$

$$I_y = 0,74 \text{ cm}^4$$

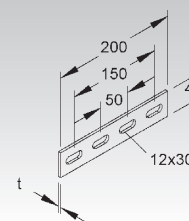
$$W_x = 2,66 \text{ cm}^3$$

$$W_y = 0,48 \text{ cm}^3$$

Straight Splice Plate

model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm		
F VB 50	4	22,0	20
E3 VB 50 E3	4	36,5	20

Suitable for: profile U 50/..., U 5050/... and overhead hanger HU 5050/...

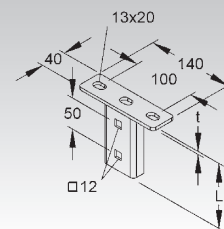


Head Plate

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
F KU 50	105 4,1	5 0,2	41,90	20
E3 KU 50 E3	104 4,1	4 0,2	43,33	20

for mounting on horizontal ceilings

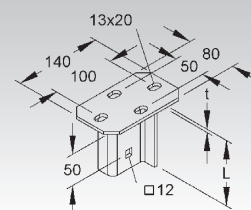
Suitable for: profile U 50/...



Head Plate

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
F KUD 50	105 4,1	5 0,2	82,3	10
E3 KUD 50 E3	105 4,1	5 0,2	70,0	10

for mounting on horizontal ceilings

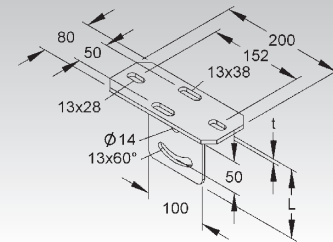


Head Plate

vertical, adjustable from -30° to +30°

model no.	Total length L mm Inch	thickness of the head plate t mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F KUGV 50	111 4,4	6 0,2	110,8	10
E3 KUGV 50 E3	111 4,4	6 0,2	90,0	10

for mounting on inclined ceilings



Clamping Head Plate

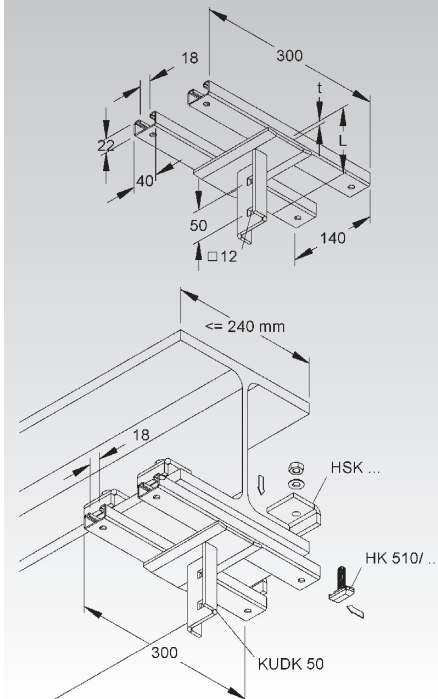
model no.	slot width mm Inch	Total length L mm Inch	thickness of the head plate t mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F KUDK 50	18 0,7	107 4,2	7 0,3	202,94	1
E3 KUDK 50 E3	18 0,7	107 4,2	7 0,3	186,80	1

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

Suitable for: profile U 50/...

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.



Clamping Head Plate

adjustable from -30° to +30°

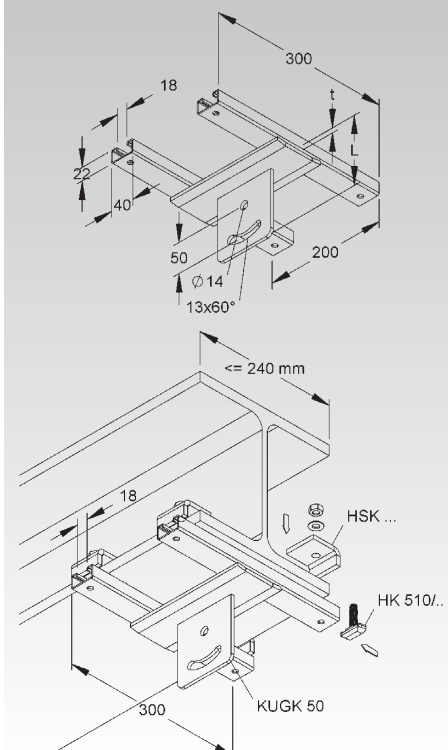
model no.	slot width mm Inch	thickness of the head plate t mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F KUGK 50	18 0,7	8 0,3	237,21	1
E3 KUGK 50 E3	18 0,7	8 0,3	218,10	1

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

Suitable for: profile U 50/...

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.

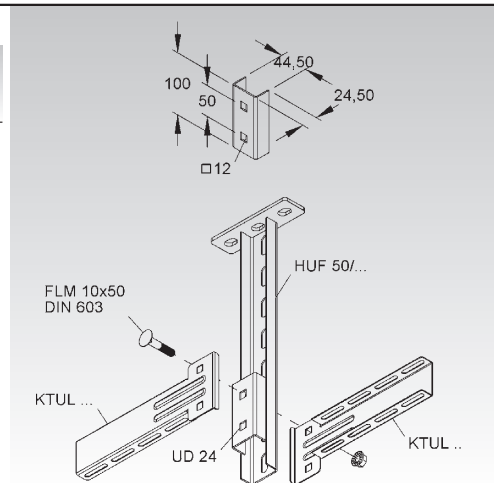


SUPPORT SYSTEM

Spacer

model no.	Weight per 100 pcs kg	Pack / Box Qty
S UD 24	18,5	20
E3 UD 24 E3	18,5	20

Suitable for: making a double sided bracket from two KTUM... brackets on an HUF... hanger



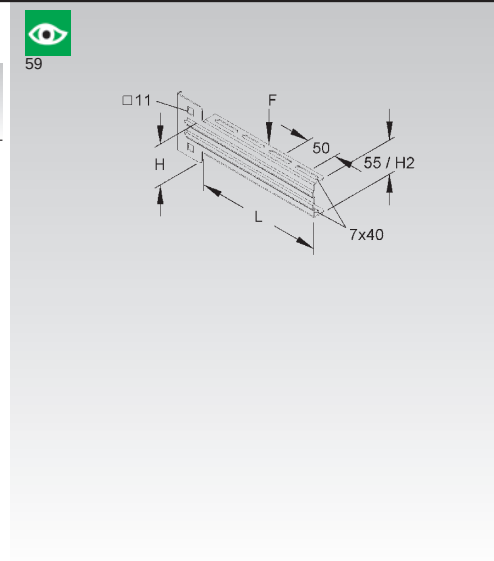
Bracket

medium duty

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
S KTUM 100	73 2,9	105 4,1	1,2	21,45	20
S KTUM 150	73 2,9	155 6,1	1,2	26,27	20
S KTUM 200	73 2,9	205 8,1	1,2	31,08	20
S KTUM 300	73 2,9	305 12	1,2	46,86	20
S KTUM 400	83 3,3	405 15,9	1,2	73,28	20
F KTUM 100 F	73 2,9	105 4,1	1,2	22,93	20
F KTUM 150 F	73 2,9	155 6,1	1,2	28,23	20
F KTUM 200 F	73 2,9	205 8,1	1,2	33,52	20
F KTUM 300 F	73 2,9	305 12	1,2	50,88	20
F KTUM 400 F	83 3,3	405 15,9	1,2	79,94	20
E3 KTUM 100 E3	73 2,9	105 4,1	1,2	21,51	20
E3 KTUM 200 E3	73 2,9	205 8,1	1,2	31,20	20
E3 KTUM 300 E3	83 3,3	305 12	1,2	59,12	20
E3 KTUM 400 E3	83 3,3	405 15,9	1,2	73,67	20

Suitable for: overhead hanger HUF 50/... and HDUF 50/...

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



Overhead Hanger

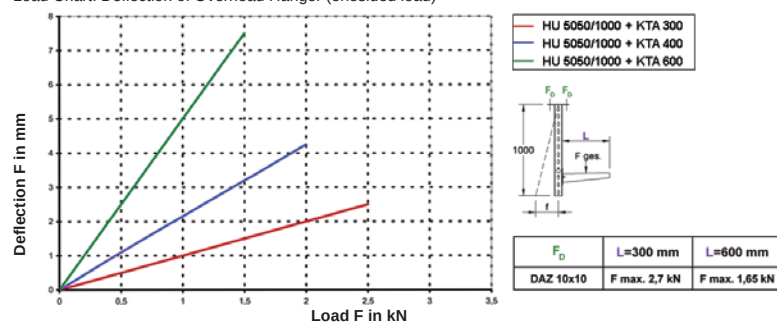
U-Profile

	model no.	Total length L		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
F	HU 5050/200	205	8,1	93,08	1
F	HU 5050/250	255	10	105,23	1
F	HU 5050/300	305	12	117,38	1
F	HU 5050/400	405	15,9	141,68	1
F	HU 5050/500	505	19,9	165,97	1
F	HU 5050/600	605	23,8	190,27	1
F	HU 5050/700	705	27,8	214,57	1
F	HU 5050/800	805	31,7	238,87	1
F	HU 5050/900	905	35,6	263,17	1
F	HU 5050/1000	1005	39,6	287,46	1
F	HU 5050/1200	1205	47,4	336,06	1
F	HU 5050/1500	1505	59,3	408,95	1
F	HU 5050/2000	2005	78,9	530,44	1

Please use the HDS... spacer kit to avoid deformation of the U-profile when installing KTA... brackets. Slotted hole size 13x40 mm, 50 mm pitch.

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

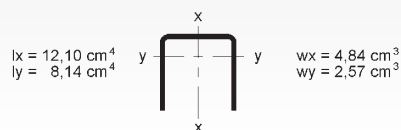
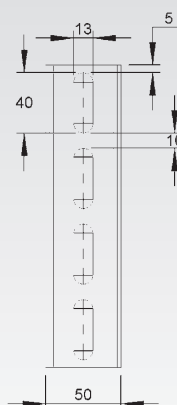
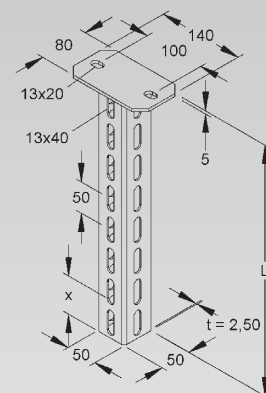
Load Chart: Deflection of Overhead Hanger (onesided load)



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



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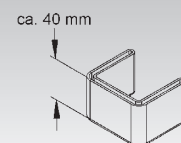


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K10 K 5050	yellow	3	10

protective end cap

Suitable for: profile U 5050/... and overhead hanger HU 5050/..



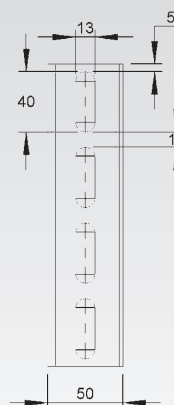
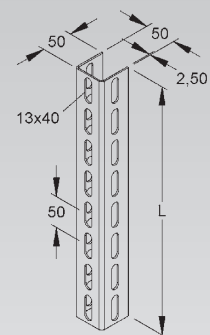
SUPPORT SYSTEM

Profile U 5050

	model no.	length A		Weight per 100 pcs/m kg	Pack / Box Qty
		mm	Inch		
F	U 5050/1000 F	1000	39,4	242,98	1
F	U 5050/1500 F	1500	59,1	364,47	1
F	U 5050/2000 F	2000	78,7	242,98	2 m
F	U 5050/3000 F	3000	118,1	242,98	3 m
F	U 5050/6000 F	6000	236,2	242,98	6 m

for building customized overhead hangers, floorstands or support frames

Slotted hole size 13x40 mm, 50 mm pitch.

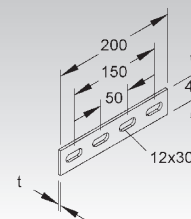


$$\begin{aligned}
 I_x &= 12,10 \text{ cm}^4 \\
 I_y &= 8,14 \text{ cm}^4 \\
 W_x &= 4,84 \text{ cm}^3 \\
 W_y &= 2,57 \text{ cm}^3
 \end{aligned}$$

Straight Splice Plate

	model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm		
F	VB 50	4	22,0	20
E3	VB 50 E3	4	36,5	20
E5	VB 50 E5	4	36,3	20

Suitable for: profile U 50/..., U 5050/... and overhead hanger HU 5050/...

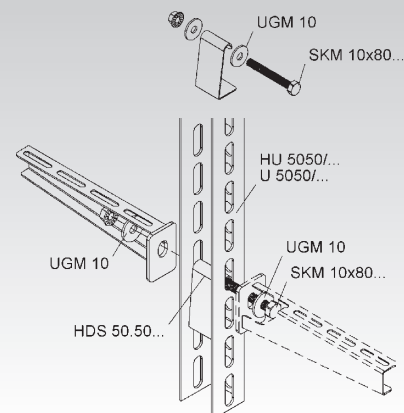


Spacer for Overhead Hanger

	model no.	Weight per 100 pcs kg	Pack / Box Qty
F	HDS 50.50 F	7,5	50

Suitable for: profile U 5050/... and overhead hanger HU 5050/...

Please use the HDS... spacer kit to avoid deformation of the U-profile when installing KTA... brackets.



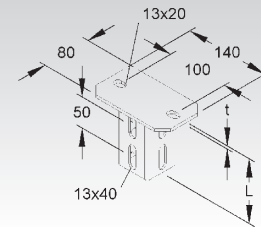
Head Plate

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
F KU 5050	105 4,1	5 0,2	76,85	1

for mounting on horizontal ceilings

Suitable for: profile U 5050/...

Slotted hole size 13x40 mm, 50 mm pitch.



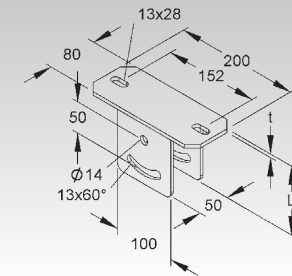
Head Plate

vertical, adjustable from -30° to +30°

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
F KUGV 5050	111 4,4	6 0,2	155,5	1

for mounting on inclined ceilings

Suitable for: profile U 5050/...



Clamping Head Plate

model no.	slot width	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	mm Inch	kg	
F KUDK 5050	18 0,7	107 4,2	7 0,3	193,35	1

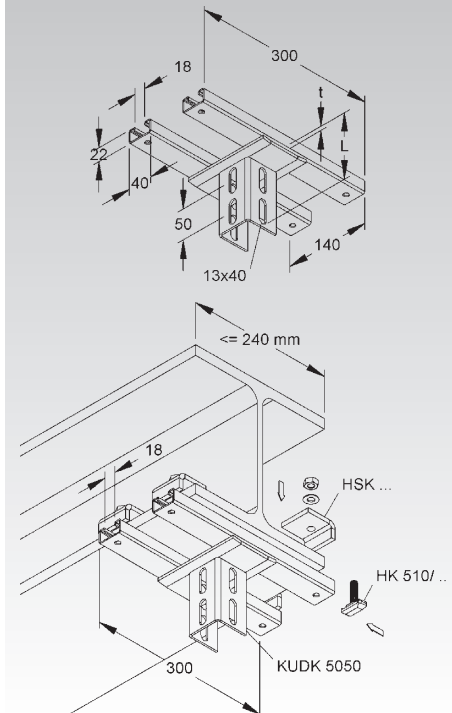
for clamping to horizontal support beams (max. width 240 mm)

Suitable for: profile U 5050/...

Slotted hole size 12x40 mm, 50 mm pitch.

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.



SUPPORT SYSTEM

Clamping Head Plate

adjustable from -30° to +30°

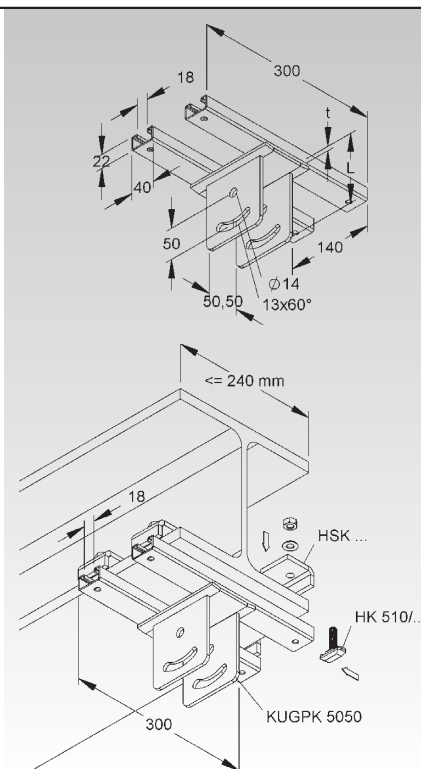
model no.	slot width	Total length L	thickness of the head plate t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch		
F KUGPK 5050	18 0,7	112 4,4	7 0,3	247,21	1

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

Suitable for: profile U 5050/...

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.

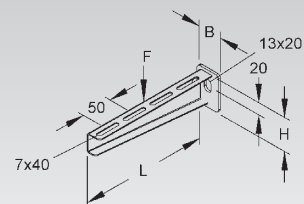


Bracket

medium-duty

model no.	height H	width B	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch			
F KTA 100	45 1,8	40 1,6	110 4,3	2,5	13,6	20
F KTA 150	45 1,8	40 1,6	160 6,3	2,5	16,9	20
F KTA 200	55 2,2	40 1,6	210 8,3	2,5	25,2	20
F KTA 250	55 2,2	40 1,6	260 10,2	2,5	29,8	20
F KTA 300	65 2,6	50 2	310 12,2	2,5	55,8	20
F KTA 350	65 2,6	50 2	360 14,2	2,5	62,7	20
F KTA 400	75 3	50 2	410 16,1	2,5	75,2	20
F KTA 450	75 3	50 2	460 18,1	2,5	83,8	10
F KTA 500	90 3,5	50 2	510 20,1	2,5	106,7	10
F KTA 550	90 3,5	50 2	560 22	2,5	129,2	10
F KTA 600	90 3,5	50 2	610 24	2,5	122,8	10

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



Overhead Hanger

U-Profile

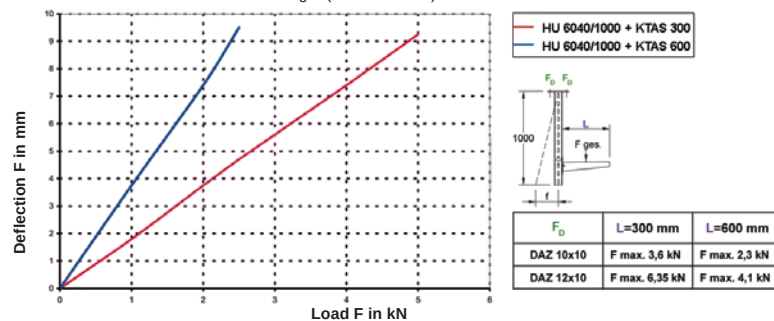
	model no.	Total length L		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
F	HU 6040/200	206	8,1	143,21	1
F	HU 6040/250	256	10,1	160,14	1
F	HU 6040/300	306	12	177,08	1
F	HU 6040/400	406	16	210,95	1
F	HU 6040/500	506	19,9	244,82	1
F	HU 6040/600	606	23,9	278,67	1
F	HU 6040/700	706	27,8	312,54	1
F	HU 6040/800	806	31,7	346,41	1
F	HU 6040/900	906	35,7	380,28	1
F	HU 6040/1000	1006	39,6	414,15	1
F	HU 6040/1200	1206	47,5	481,89	1
F	HU 6040/1500	1506	59,3	583,50	1
F	HU 6040/2000	2006	79	752,83	1
E3	HU 6040/200 E3	206	8,1	131,02	1
E3	HU 6040/250 E3	256	10,1	146,51	1
E3	HU 6040/300 E3	306	12	162,00	1
E3	HU 6040/400 E3	406	16	192,99	1
E3	HU 6040/500 E3	506	19,9	223,97	1
E3	HU 6040/600 E3	606	23,9	255,00	1
E3	HU 6040/700 E3	706	27,8	285,90	1
E3	HU 6040/800 E3	806	31,7	316,90	1
E3	HU 6040/900 E3	906	35,7	347,91	1
E3	HU 6040/1000 E3	1006	39,6	378,90	1
E3	HU 6040/1200 E3	1206	47,5	440,87	1
E3	HU 6040/1500 E3	1506	59,3	533,83	1
E3	HU 6040/2000 E3	2006	79	688,75	1

Suitable for: KTAM... and KTA... brackets

Please use the HDS... spacer kit to avoid deformation of the U-profile when installing KTA... brackets.
Slotted hole size 13x40 mm, 50 mm pitch.

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

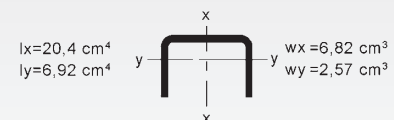
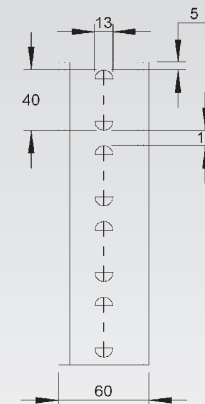
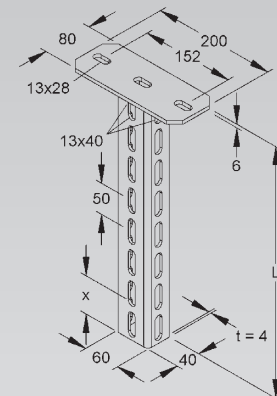
Load Chart: Deflection of Overhead Hanger (onesided load)



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



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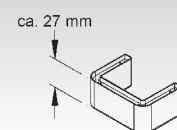


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K03 SKU 6040	yellow	1,32	20

protective end cap

Suitable for: profile U 6040/... and overhead hanger HU 6040/...



SUPPORT SYSTEM

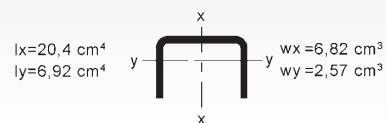
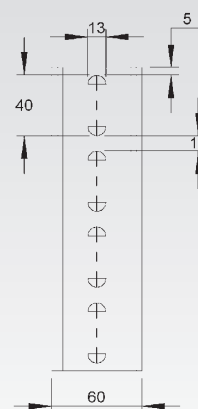
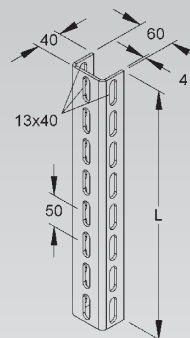
Profile U 6040

	model no.	length A		Weight per 100 pcs/m kg	Pack / Box Qty
		mm	Inch		
F	U 6040/1000 F	1000	39,4	338,68	1
F	U 6040/1500 F	1500	59,1	508,02	1
F	U 6040/2000 F	2000	78,7	338,68	2 m
F	U 6040/3000 F	3000	118,1	338,68	3 m
F	U 6040/6000 F	6000	236,2	338,68	6 m
E3	U 6040/1000 E3	1000	39,4	309,85	1
E3	U 6040/1500 E3	1500	59,1	464,78	1
E3	U 6040/2000 E3	2000	78,7	309,86	2 m
E3	U 6040/3000 E3	3000	118,1	309,85	3 m
E3	U 6040/6000 E3	6000	236,2	309,85	6 m

for building customized overhead hangers, floorstands or support frames



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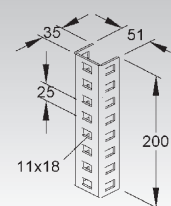


Straight Splice Plate

	model no.	Weight per 100 pcs kg	Pack / Box Qty
F	VB 6040	61,20	10
E3	VB 6040 E3	57,63	10

Suitable for: profile U 6040/...

Slotted hole size 11x18 mm, 50 mm pitch.

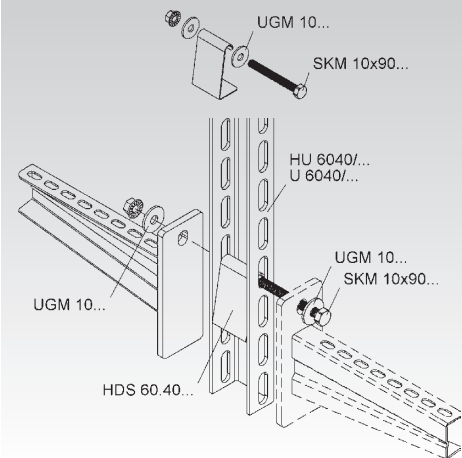


Spacer for Overhead Hanger

model no.	Weight per 100 pcs kg	Pack / Box Qty
F HDS 60.40 F	16,0	50
E3 HDS 60.40 E3	16,2	50

Suitable for: profile U 6040/... and overhead hanger HU 6040/...

Please use the HDS... spacer kit to avoid deformation of the U-profile when installing KTA... brackets.

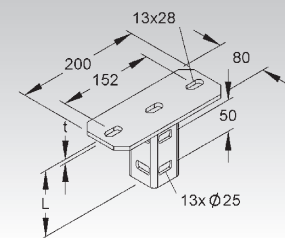


Head Plate

model no.	Total length L mm Inch	thickness of the head plate t mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F KU 6040	106 4,2	6 0,2	106,6	1
E3 KU 6040 E3	106 4,2	6 0,2	110,0	1

for mounting on horizontal ceilings

Suitable for: profile U 6040/...



Clamping Head Plate

model no.	slot width mm Inch	Total length L mm Inch	thickness of the head plate t mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F KUDK 6040	18 0,7	107 4,2	7 0,3	184,34	1

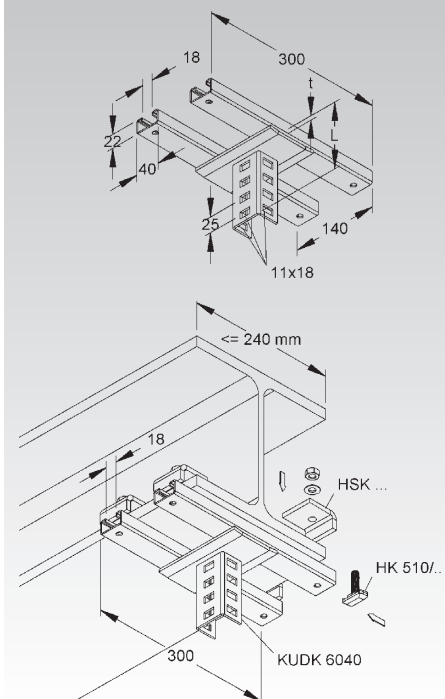
for clamping to horizontal support beams (max. width 240 mm)

Suitable for: profile U 6040/...

Slotted hole size 11x18 mm, 50 mm pitch.

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.



SUPPORT SYSTEM

Clamping Head Plate

adjustable from -30° to +30°

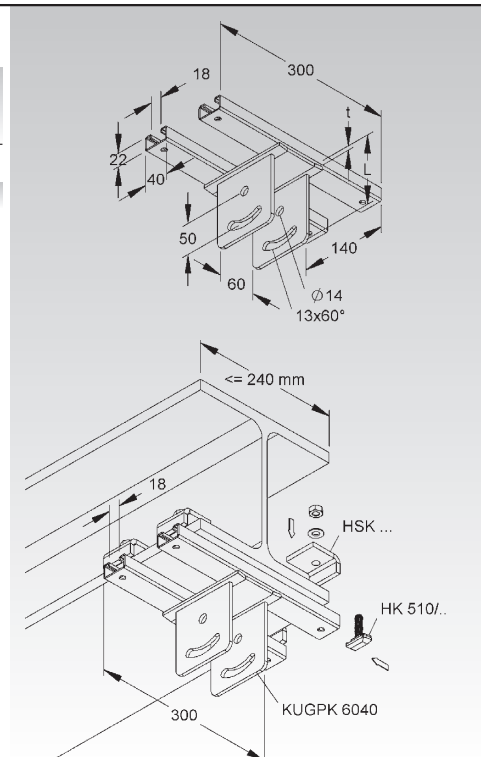
model no.	slot width	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	mm Inch	pcs kg	
F KUGPK 6040	18 0,7	112 4,4	7 0,3	248,71	1

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

Suitable for: profile U 6040/...

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.



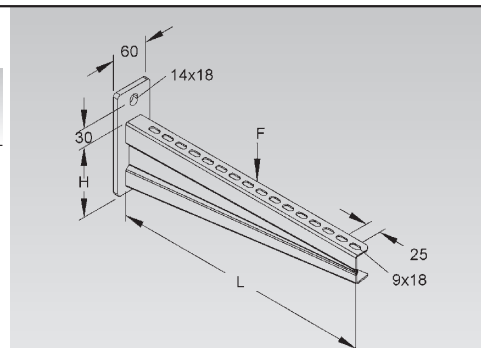
Bracket

heavy-duty

model no.	height H	length A	admissible load F at L/2	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kN	pcs kg	
F KTAS 100	113 4,4	130 5,1	5	90,05	1
F KTAS 200	113 4,4	230 9,1	5	108,56	1
F KTAS 300	113 4,4	330 13	5	130,86	1
F KTAS 400	113 4,4	430 16,9	5	155,49	1
F KTAS 500	150 5,9	530 20,9	5	197,79	1
F KTAS 600	150 5,9	630 24,8	5	227,10	1
F KTAS 700	150 5,9	730 28,7	5	303,33	1
F KTAS 800	195 7,7	830 32,7	5	364,47	1
F KTAS 900	195 7,7	930 36,6	5	409,88	1
F KTAS 1000	195 7,7	1030 40,6	5	458,21	1
E3 KTAS 200 E3	110 4,3	230 9,1	5	99,30	1
E3 KTAS 300 E3	110 4,3	330 13	5	119,70	1
E3 KTAS 400 E3	110 4,3	430 16,9	5	142,25	1
E3 KTAS 500 E3	150 5,9	530 20,9	5	181,00	1
E3 KTAS 600 E3	150 5,9	630 24,8	5	207,80	1

for mounting to overhead hangers or for direct wall mount

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



Overhead Hanger

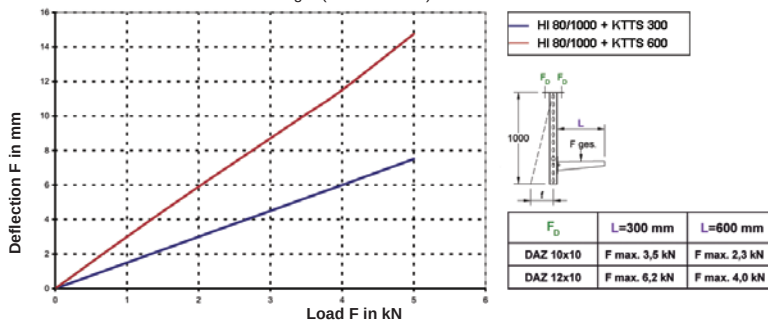
I 80 profile

	model no.	Total length L		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
F	HI 80/200	206	8,1	196,89	1
F	HI 80/300	306	12	259,12	1
F	HI 80/400	406	16	321,35	1
F	HI 80/500	506	19,9	383,58	1
F	HI 80/600	606	23,9	445,81	1
F	HI 80/700	706	27,8	508,04	1
F	HI 80/800	806	31,7	570,27	1
F	HI 80/900	906	35,7	632,50	1
F	HI 80/1000	1006	39,6	694,73	1
F	HI 80/1100	1106	43,5	756,96	1
F	HI 80/1200	1206	47,5	819,19	1
F	HI 80/1300	1306	51,4	881,42	1
F	HI 80/1400	1406	55,4	943,65	1
F	HI 80/1500	1506	59,3	1.005,88	1
F	HI 80/1600	1606	63,2	1.068,11	1
F	HI 80/1700	1706	67,2	1.130,34	1
F	HI 80/1800	1806	71,1	1.192,57	1
F	HI 80/1900	1906	75	1.254,80	1
F	HI 80/2000	2006	79	1.317,03	1

Suitable for: KTT... and KTTS... type brackets

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

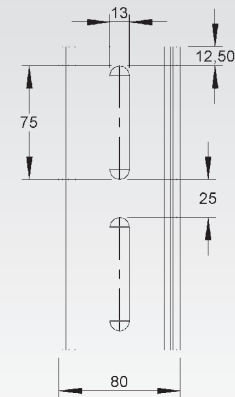
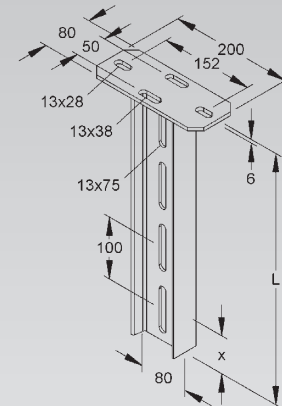
Load Chart: Deflection of Overhead Hanger (onesided load)



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



60



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

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

Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K03 SKI 80	yellow	1,54	20

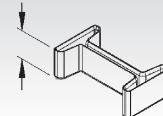
protective end cap

Suitable for: profile I 80/... as well as overhead hanger HI 80/...



60

ca. 27 mm



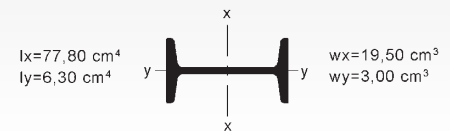
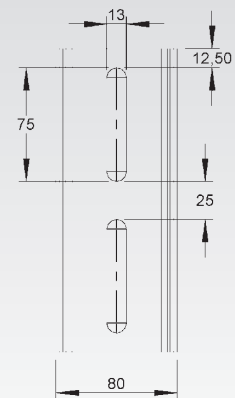
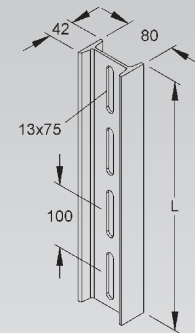
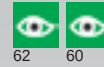
SUPPORT SYSTEM

Profile I 80

according to DIN 1025 standard

	model no.	length A	Weight per 100 pcs/m kg	Pack / Box Qty
		mm Inch		
F	I 80/1000 FL	1000 39,4	622,30	1
F	I 80/1500 FL	1500 59,1	933,45	1
F	I 80/2000 FL	2000 78,7	1.244,61	1
F	I 80/3000 FL	3000 118,1	622,30	3 m
F	I 80/6000 FL	6000 236,2	622,30	6 m

for building customized overhead hangers, floorstands or support frames

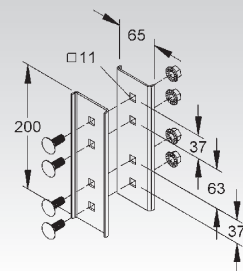


Straight Splice Plate

model no.	Weight per 100 pair kg	Pack / Box Qty
F VBI 80	76	5 sets

2 pieces required per joint

Suitable for: profile I 80/... and overhead hanger HI 80/...

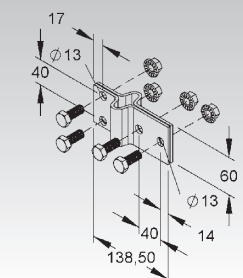


Tee Connector

model no.	Weight per 100 pair kg	Pack / Box Qty
F VBIQ 80/140	90	5 sets

2 pieces required per joint

Suitable for: profile I 80/... and overhead hanger HI 80/...

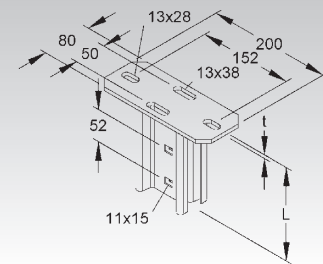


Head Plate

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
F KI 80	151 5,9	6 0,2	135,9	1

for mounting on horizontal ceilings

Suitable for: profile I 80/...



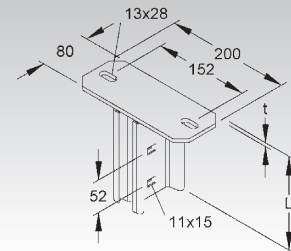
Head Plate

crosswise to profile I 80

model no.	Total length L	thickness of the head plate t	Weight per 100 pc.	Pack / Box Qty
	mm Inch	mm Inch	kg	
F KIQ 80	151 5,9	6 0,2	151,76	1 pc.

for mounting on horizontal ceilings

Suitable for: profile I 80/...



Head Plate

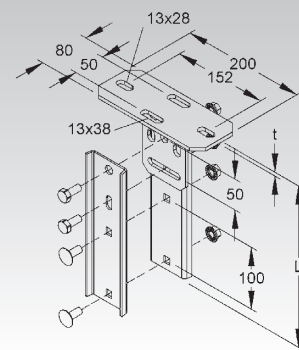
vertical, adjustable from -50° to +50°

model no.	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
F KIGV 80	261 10,3	6 0,2	213,4	1

for mounting on inclined ceilings

Suitable for: profile I 80/...

Unit is preassembled.



Clamping Head Plate

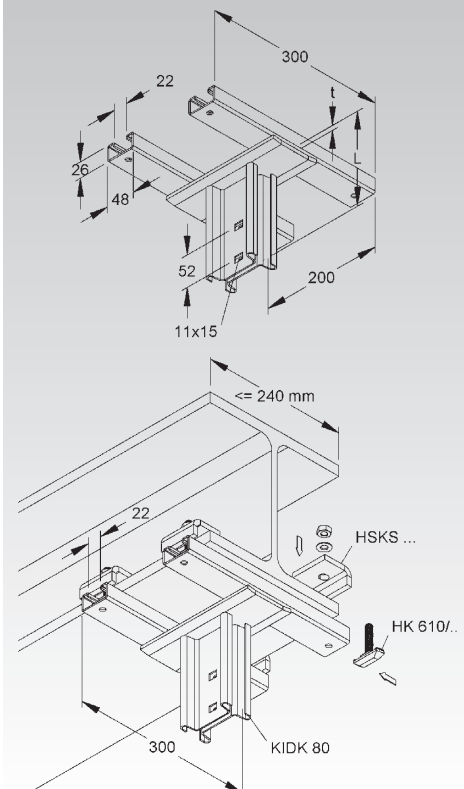
model no.	slot width	Total length L	thickness of the head plate t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	mm Inch	kg	
F KIDK 80	22 0,9	153 6	8 0,3	310,14	1

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

Suitable for: profile I 80/...

Installation mode: crosswise to the support beam

Hardware not included. Please order beam clamps and bolts separately.



SUPPORT SYSTEM

Clamping Head Plate

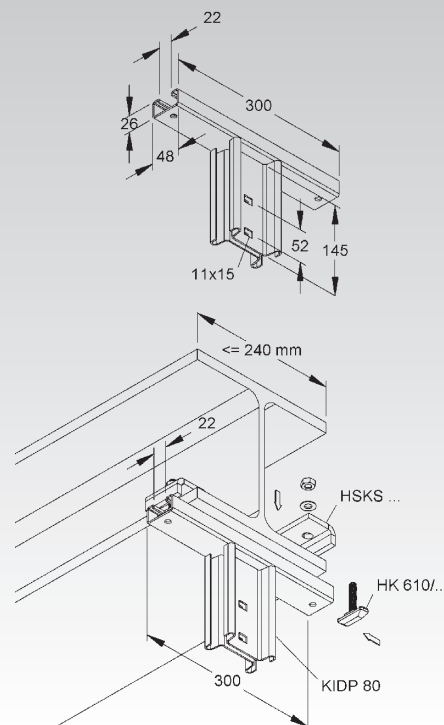
model no.	slot width	Weight per 100 pc.	Pack / Box Qty
	mm Inch	kg	
F KIDP 80	22 0,9	150,49	1 pc.

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

Suitable for: profile I 80/...

Installation mode: in parallel to the support beam

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



Bracket

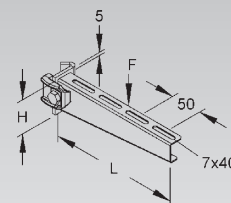
medium-duty with preinstalled clamp

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
F KTT 100	55 2,2	110 4,3	2,5	33,9	20
F KTT 150	55 2,2	160 6,3	2,5	37,2	20
F KTT 200	55 2,2	210 8,3	2,5	44,3	20
F KTT 250	75 3	260 10,2	2,5	53,4	20
F KTT 300	75 3	310 12,2	2,5	60,0	20
F KTT 350	75 3	360 14,2	2,5	79,8	20
F KTT 400	95 3,7	410 16,1	2,5	85,0	20
F KTT 450	95 3,7	460 18,1	2,5	100,2	10
F KTT 500	95 3,7	510 20,1	2,5	119,5	10
F KTT 550	95 3,7	560 22	2,5	141,7	10
F KTT 600	95 3,7	610 24	2,5	136,0	10

Suitable for: profile I 80/... as well as overhead hanger HI 80/...

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

Hardware for mounting cable ladders has to be ordered separately.

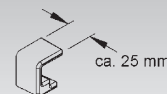


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K10 KA 100-600	yellow	1,4	10

protective end cap for cable tray brackets

Suitable for: KTA..., KTT... and KTU brackets



Bracket

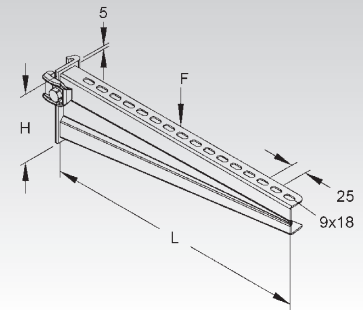
heavy-duty with pre-installed clamp

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
F KTTS 200	110 4,3	230 9,1	5	80,8	1
F KTTS 300	110 4,3	330 13	5	108,7	1
F KTTS 400	110 4,3	430 16,9	5	132,8	1
F KTTS 500	150 5,9	530 20,9	5	170,3	1

Suitable for: profile I 80/... and overhead hanger HI 80/...

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

Hardware for mounting cable ladders has to be ordered separately.



Bracket

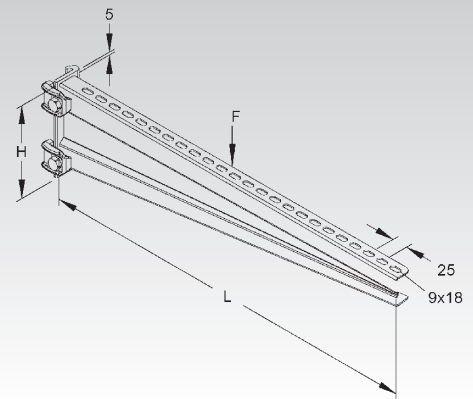
heavy-duty with two pre-installed clamp

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
F KTTS 600	150 5,9	630 24,8	5	212,3	1
F KTTS 700	150 5,9	730 28,7	5	286,7	1
F KTTS 800	190 7,5	830 32,7	5	339,3	1
F KTTS 900	190 7,5	930 36,6	5	383,7	1
F KTTS 1000	190 7,5	1030 40,6	5	430,9	1

Suitable for: profile I 80/... and overhead hanger HI 80/...

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

Hardware for mounting cable ladders has to be ordered separately.

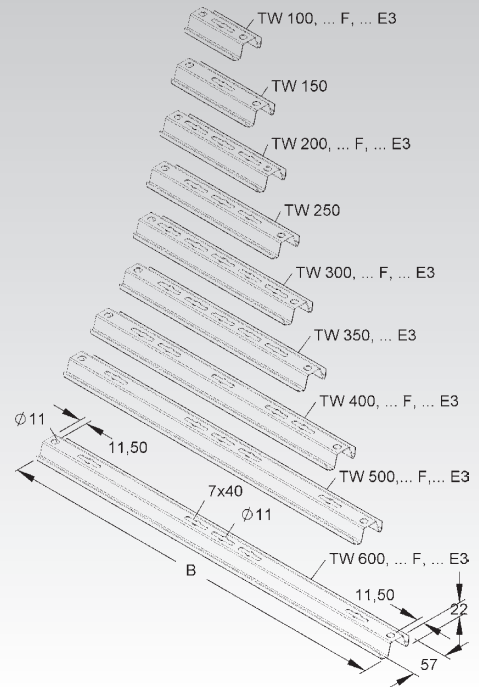


SUPPORT SYSTEM

Center Hanger / Trapeze Support

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	TW 100	98	3,9	10,50	10
S	TW 150	148	5,8	14,50	10
S	TW 200	190	7,5	18,50	10
S	TW 250	240	9,4	23,00	10
S	TW 300	290	11,4	27,50	10
S	TW 350	340	13,4	31,37	10
S	TW 400	450	17,7	44,50	10
S	TW 500	550	21,7	39,00	10
S	TW 600	650	25,6	62,00	10
F	TW 100 F	98	3,9	11,40	10
F	TW 200 F	190	7,5	20,60	10
F	TW 300 F	290	11,4	30,70	10
F	TW 400 F	450	17,7	47,90	10
F	TW 500 F	550	21,7	58,70	10
F	TW 600 F	650	25,6	69,40	10
E3	TW 100 E3	98	3,9	10,60	10
E3	TW 200 E3	190	7,5	19,00	10
E3	TW 300 E3	290	11,4	28,30	10
E3	TW 350 E3	340	13,4	33,20	10
E3	TW 400 E3	450	17,7	44,00	10
E3	TW 500 E3	550	21,7	53,80	10
E3	TW 600 E3	650	25,6	63,60	10

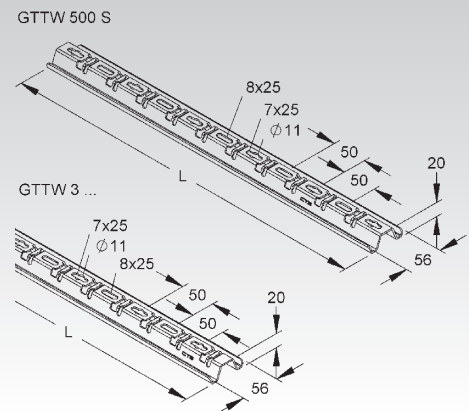
Suitable for: all ventilated cable trays and wire mesh basket



Center Hanger / Trapeze Support for Wire Mesh Basket

	model no.	length A		Weight per 100 pcs/m kg	Pack / Box Qty
		mm	Inch		
S	GTTW 300 S	300	11,8	39,0	1
S	GTTW 500 S	500	19,7	90,0	1
S	GTTW 600 S	600	23,6	75,0	1
S	GTTW 3 S	3000	118,1	98,5	3 m
F	GTTW 3 F	3000	118,1	90,0	3 m
E4	GTTW 2 E4	2000	78,7	239,0	2 m

Specifically designed for boltless attachment of wire mesh tray.
Lock wire mesh tray with a screwdriver.

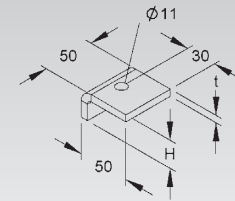


Beam Clamp

model no.	height H	thick- ness t	flange thickness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm	mm		
F HSK 10	10 0,4	7	5 - 9	15,44	50
F HSK 15	15 0,6	7	10 - 14	16,92	50
F HSK 20	20 0,8	7	15 - 19	18,43	50
F HSK 25	25 1	7	20 - 24	19,95	50
F HSK 30	30 1,2	7	25 - 29	21,46	50
F HSK 35	35 1,4	7	30 - 34	22,97	50
F HSK 40	40 1,6	7	35 - 39	24,48	50
E3 HSK 10 E3	10 0,4	6	5 - 9	11,93	10
E3 HSK 15 E3	15 0,6	6	10 - 14	13,09	10
E3 HSK 20 E3	20 0,8	6	15 - 19	14,28	10
E3 HSK 25 E3	25 1	6	20 - 24	15,46	10
E3 HSK 30 E3	30 1,2	6	25 - 29	16,65	10
E3 HSK 35 E3	35 1,4	6	30 - 34	17,72	10
E3 HSK 40 E3	40 1,6	6	35 - 39	19,02	10



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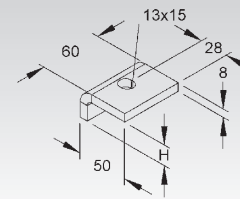
Beam Clamp

heavy-duty version

model no.	height H	flange thickness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm		
F HSKS 10	10 0,4	5 - 9	21	25
F HSKS 15	15 0,6	10 - 14	25	25
F HSKS 20	20 0,8	15 - 19	27	25
F HSKS 25	25 1	20 - 24	33	25
F HSKS 30	30 1,2	25 - 29	41	25
F HSKS 35	35 1,4	30 - 34	49	25
F HSKS 40	40 1,6	35 - 39	60	25



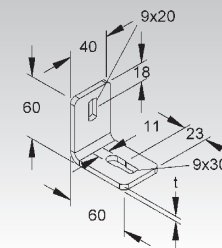
59



Two Hole Corner Angle

model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm		
F WWU 150/8	5	19,11	50

for floor-, ceiling- or wall-mount

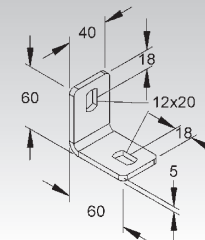


Two Hole Corner Angle

model no.	Weight per 100 pcs kg	Pack / Box Qty
F WWU 150	21,03	50

for floor-, ceiling- or wall-mount

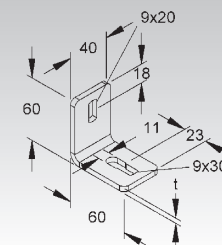
Suitable for: U-profile U 50/..., U 5050/ ... and U 6040/...



Two Hole Corner Angle

model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm		
E3 WWU 150/8 E3	4	14,87	50

for floor-, ceiling- or wall-mount

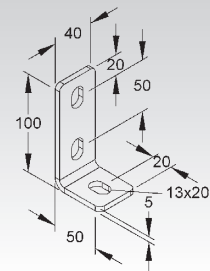


SUPPORT SYSTEM

Three Hole Corner Angle

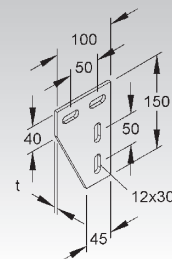
model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
F WWA 100	5	23,54	50
E3 WWA 100 E3	4	19,80	50

for floor-, ceiling- or wall-mount



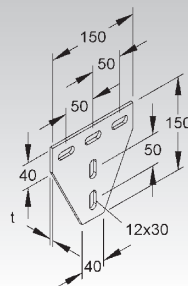
Four Hole Corner Gusset Plate

model no.	thick- ness t	Weight per 100 kg	Pack / Box Qty
F KNW 50/50	5	43	1 pc.



Five Hole Tee Gusset Plate

model no.	thick- ness t	Weight per 100 kg	Pack / Box Qty
F KNT 50/50	5	59	1 pc.



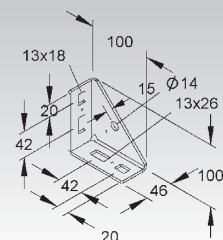
Shelf Bracket

model no.	Weight per 100 pcs kg	Pack / Box Qty
F TRV 40	41,1	10
E3 TRV 40 E3	40,5	10

for floor-, ceiling- or wall-mount

Suitable for: profile U 5050/..., U 6040/... and framing channels

Hardware is not included.



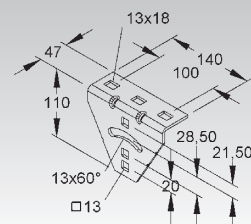
Adjustable Corner Bracket

adjustable from -30° to +30°

model no.	Weight per 100 pcs kg	Pack / Box Qty
F AWG 110/140	48,00	10
E3 AWG 110/140 E3	54,61	10

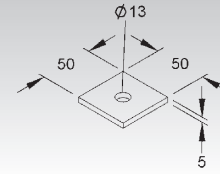
for mounting on inclined ceilings

Suitable for: U-profiles and framing channels



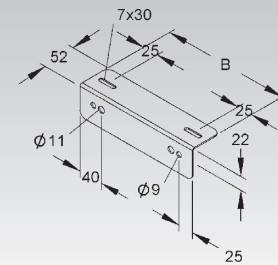
Heavy Duty Square Washer / Anchor Plate

model no.	height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
F VP 50.50	50 2	50 2	10,34	20



Box / Wall Connector

model no.	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WA 100	110 4,3	17,80	10
S WA 150	160 6,3	25,71	10
S WA 200	210 8,3	33,62	10
S WA 250	260 10,2	41,52	10
S WA 300	310 12,2	49,43	10
S WA 400	410 16,1	64,61	10
S WA 500	510 20,1	80,42	10
S WA 600	610 24	96,24	10



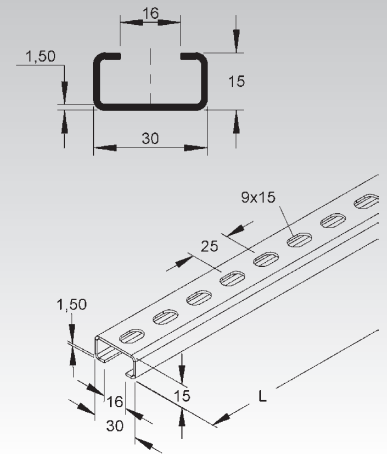
for attaching cable tray to a box or a wall

SUPPORT SYSTEM

2970 Framing Channel

slot width 16 mm, perforated

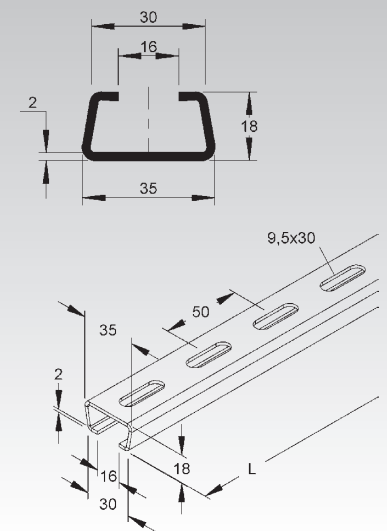
model no.	length A	perforation	distance between drill holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch		
G 2970/2 GL	2000 78,7	9x15	25 1	69,9	10 x 2 m
S 2970/2 SL	2000 78,7	9x15	25 1	69,9	10 x 2 m



2980 Framing Channel

slot width 16 mm, perforated

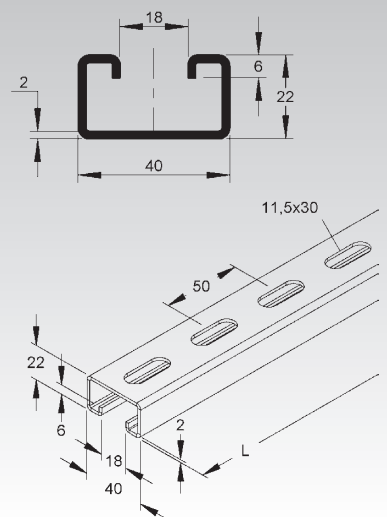
model no.	length A	perforation	distance between drill holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch		
S 2980/2 SL	2000 78,7	9,5x30	50 2	108,45	10 x 2 m
F 2980/2 FL	2000 78,7	9,5x30	50 2	119,30	10 x 2 m



2986 Framing Channel

slot width 18 mm, perforated

model no.	length A	perforation	distance between drill holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch		
S 2986/3 SL	3000 118,1	11,5x30	50 2	149,10	5 x 3 m
F 2986/3 FL	3000 118,1	11,5x30	50 2	164,00	5 x 3 m
E3 2986/3 E3L	3000 118,1	11,5x30	50 2	150,02	5 x 3 m

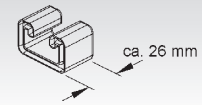


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K03 SKC 86	yellow	0,7	20

protective end cap

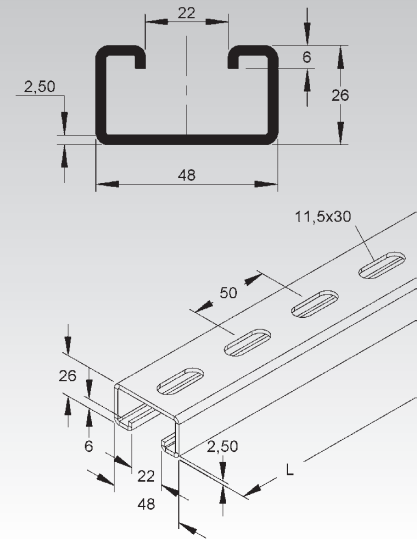
Suitable for: 2986 framing channel



2991 Framing Channel

slot width 22 mm, perforated

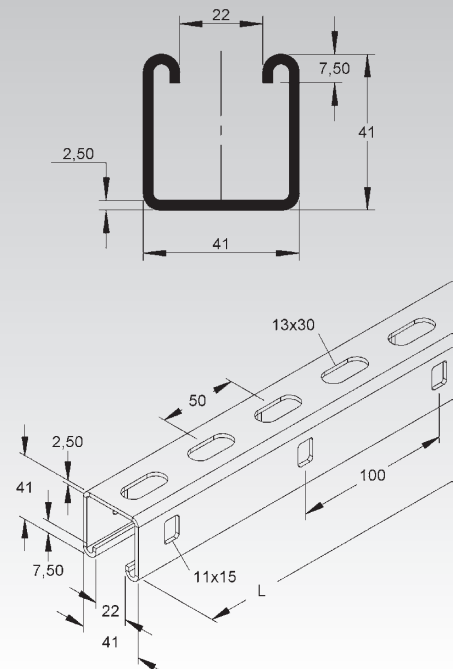
model no.	length A	perforation	distance between drill holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch		
F 2991/3 FL	3000 118,1	11,5x30	50 2	240,27	5 x 3 m



2996 Framing Channel

slot width 22 mm, perforated

model no.	length A	perforation	distance between drill holes	dimension siderail holes	distance between siderail holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch	mm	mm Inch		
F 2996/3 FL	3000 118,1	13x30	50 2	11x15	100 3,9	265,3	3 m
F 2996/6 FL	6000 236,2	13x30	50 2	11x15	100 3,9	265,3	6 m
E3 2996/6 E3L	6000 236,2	13x30	50 2	11x15	100 3,9	242,7	6 m
E3 2996/3 E3L	3000 118,1	13x30	50 2	11x15	100 3,9	242,7	3 m



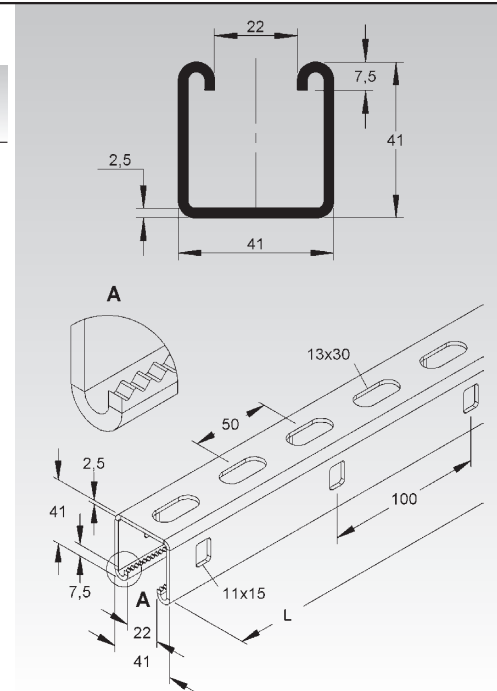
SUPPORT SYSTEM

2996Z Toothed Framing Channel

slot width 22 mm, perforated

model no.	length A	perforation	distance between drill holes	dimension siderail holes	distance between siderail holes	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm	mm Inch	mm	mm Inch		
F 2996Z/3 FL	3000 118,1	13x30	50 2	11x15	100 3,9	265,10	3 m
F 2996Z/6 FL	6000 236,2	13x30	50 2	11x15	100 3,9	265,20	6 m
E3 2996Z/3 E3L	3000 118,1	13x30	50 2	11x15	100 3,9	242,25	3 m
E3 2996Z/6 E3L	6000 236,2	13x30	50 2	11x15	100 3,9	242,25	6 m

The combination of the toothed channel with the new GMZ channel nuts guarantees higher load ratings.

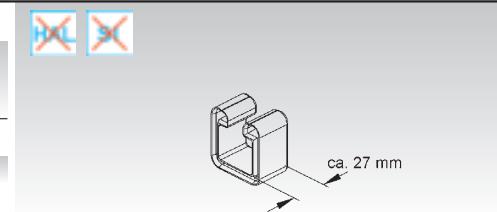


Protective End Cap

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K03 SKC 88/96	yellow	1,3	20

protective end cap

Suitable for: 2988, 2996 and 2996Z framing channel

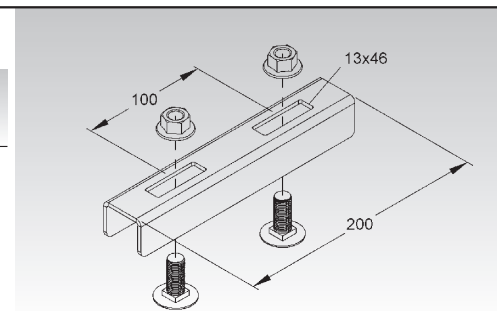


Inside Strut Joiner

for 2996 channel

model no.	Weight per 100 pcs kg	Pack / Box Qty
F SSV 4141 F	38	1

Suitable for: 2996 framing channel

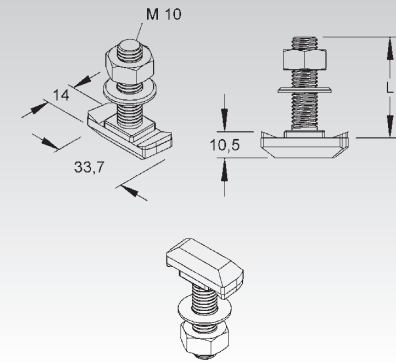


Hook Head Bolt, size M10

nut and washer included

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V HK 510/30	30 1,2	4.6	4,3	100
V HK 510/50	50 2	4.6	5,4	50
F HK 510/30 F	30 1,2	4.6	4,3	100
F HK 510/50 F	50 2	4.6	5,4	50
E5 HK 510/30 E5	30 1,2	1.4571	5,9	100
E5 HK 510/50 E5	50 2	1.4571	5,4	100

Suitable for: 2986 framing channel (18 mm slotwidth)
Insertable at any position of the framing channel.

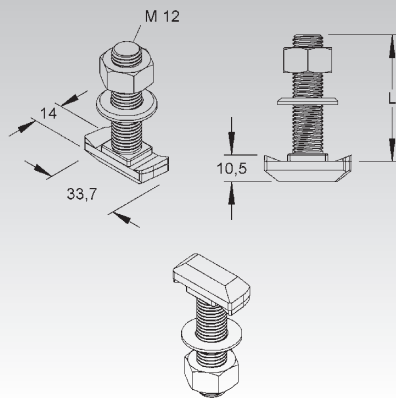


Hook Head Bolt, size M12

nut and washer included

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V HK 512/30	30 1,2	4.6	4,9	100
V HK 512/50	50 2	4.6	6,5	50
F HK 512/30 F	30 1,2	4.6	5,1	100
F HK 512/50 F	50 2	4.6	6,5	50

Suitable for: 2986 and 2988 framing channel (18 mm slotwidth)
Insertable at any position of the framing channel.

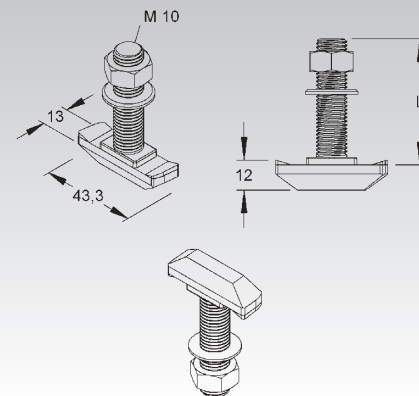


Hook Head Bolt, size M10

nut and washer included

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V HK 610/30	30 1,2	4.6	5,3	100
V HK 610/50	50 2	4.6	6,6	50
F HK 610/30 F	30 1,2	4.6	5,6	100
F HK 610/50 F	50 2	4.6	6,5	50

Suitable for: 2991 framing channel (22 mm slotwidth)
Insertable at any position of the framing channel.

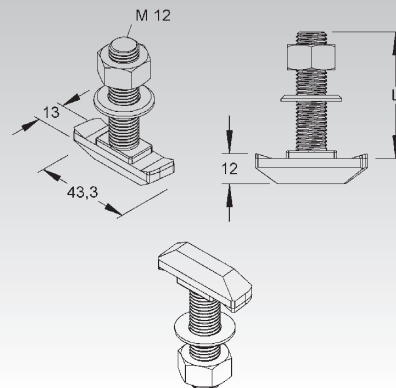


Hook Head Bolt, size M12

nut and washer included

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V HK 612/30	30 1,2	4.6	5,4	100
V HK 612/50	50 2	4.6	7,5	50
F HK 612/30 F	30 1,2	4.6	5,6	100
F HK 612/50 F	50 2	4.6	7,0	50

Suitable for: 2991 framing channel (22 mm slotwidth)
Insertable at any position of the framing channel.



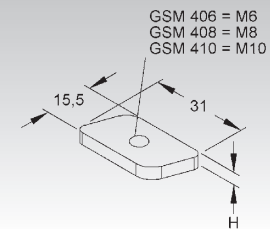
SUPPORT SYSTEM

Sloped Sliding Nut

model no.	thread M	height H mm Inch	Weight per 100 pcs kg	Pack / Box Qty
G GSM 406	6	4 0,2	1,22	50
G GSM 408	8	6 0,2	1,73	50

Suitable for: 2970 framing channel (16 mm slotwidth)

Insertable at any position of the framing channel.



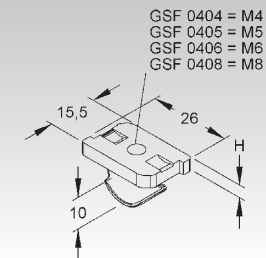
Sloped Sliding Nut

with clamping spring (phosphated)

model no.	thread M	height H mm Inch	Weight per 100 pcs kg	Pack / Box Qty
G GSF 0406	6	4 0,2	1,04	25
G GSF 0408	8	4 0,2	1,02	25

Suitable for: 2970 framing channel (16 mm slotwidth)

Insertable at any position of the framing channel.



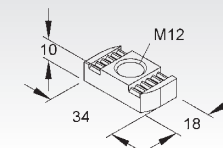
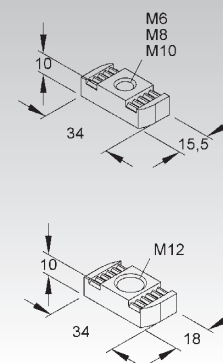
Channel Nut

model no.	thread M	strength category	Weight per 100 pcs kg	Pack / Box Qty
F GMZ M6 F	6	8	3,5	100
F GMZ M8 F	8	8	3,3	100
F GMZ M10 F	10	8	3,2	100

Suitable for: 2986 and 2988 framing channel (18 mm slotwidth)

2996 and 2996Z framing channel (22 mm slotwidth)

Insertable at any position of the framing channel.



Channel Nut

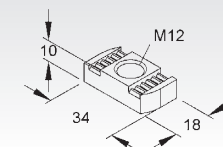
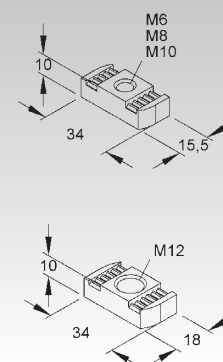
model no.	thread M	strength category	Weight per 100 pcs kg	Pack / Box Qty
F GMZ M12 F	12	8	3,5	100

Do not use GMZ M12 F with 2986-1.75 framing channel.

Suitable for: 2986 and 2988 framing channel (18 mm slotwidth)

2996 and 2996Z framing channel (22 mm slotwidth)

The GMZ M12 F channel nuts can be inserted only from the end of framing channel with 18 mm slotwidth.



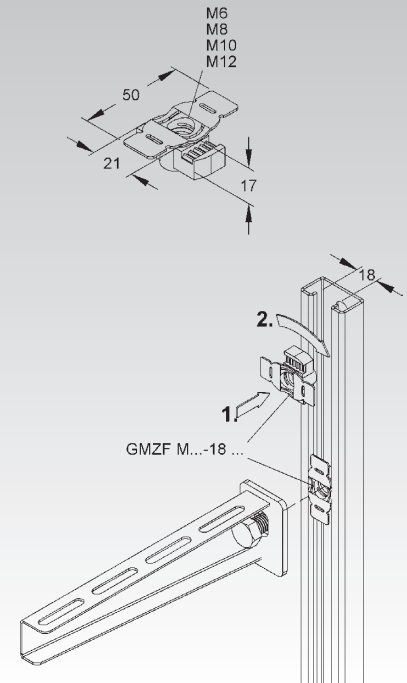
Gripping Channel Nut

	model no.	thread M	strength category	Weight per 100 pcs kg	Pack / Box Qty
F	GMZF M6-18 F	6	8	3,66	100
F	GMZF M8-18 F	8	8	3,52	100
F	GMZF M10-18 F	10	8	3,36	100
F	GMZF M12-18 F	12	8	3,71	100
E5	GMZF M6-18 E5	6	1.4571	3,72	100
E5	GMZF M8-18 E5	8	1.4571	3,58	100
E5	GMZF M10-18 E5	10	1.4571	3,41	100
E5	GMZF M12-18 E5	12	1.4571	3,77	100

Do not use GMZ M12-18 F with 2986-1.75 framing channel.

Suitable for: 2986 and 2988 framing channel (18 mm slotwidth)

The GMZ M12-18... channel nuts can be inserted only from the end of a framing channel with 18 mm slotwidth.

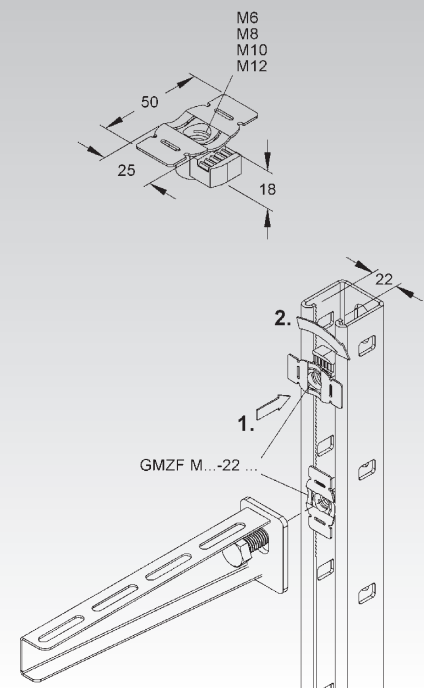


Gripping Channel Nut

	model no.	thread M	strength category	Weight per 100 pcs kg	Pack / Box Qty
F	GMZF M6-22 F	6	8	3,70	100
F	GMZF M8-22 F	8	8	3,57	100
F	GMZF M10-22 F	10	8	3,40	100
F	GMZF M12-22 F	12	8	3,76	100
E5	GMZF M6-22 E5	6	1.4571	3,76	100
E5	GMZF M8-22 E5	8	1.4571	3,62	100
E5	GMZF M10-22 E5	10	1.4571	3,45	100
E5	GMZF M12-22 E5	12	1.4571	3,81	100

Suitable for: 2991, 2996 and 2996Z framing channel (22 mm slotwidth)

Insertable at any position of the framing channel.



Hexagonal Bolt

	model no.	length A	strength category	wrench size	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		mm		
V	SK 8X16 V	16 0,6	8.8	13	1,11	100
V	SK 10X25 V	25 1	8.8	17	2,37	100
F	SK 8X25 F	25 1	8.8	13	1,39	100



Hexagonal Bolt

serrated flange nut included

model no.	thread M	length A mm Inch	strength category	Weight per 100 pcs kg	Pack / Box Qty
V SKM 8X16 V	8	16 0,6	8.8	1,72	50
V SKM 10X25 V	10	25 1	8.8	3,60	50
V SKM 10X40 V	10	40 1,6	8.8	4,50	50
F SKM 10X80 F	10	80 3,1	8.8	6,00	50
F SKM 10X90 F	10	90 3,5	8.8	6,50	50
F SKM 12X50 F	12	50 2	10.9	7,70	20
F SKM 12X70 F	12	70 2,8	10.9	9,28	20
E3 SKM 8X16 E3	8	16 0,6	1.4301	1,72	50
E3 SKM 10X25 E3	10	25 1	1.4301	3,89	50
E3 SKM 10X40 E3	10	40 1,6	1.4301	4,50	50
E3 SKM 10X70 E3	10	70 2,8	1.4301	5,50	50
E3 SKM 10X90 E3	10	90 3,5	1.4301	6,50	50

Please maintain proper tightening torque of bolts/nuts especially for all vertical clamping connections.
 SK 8..., tightening torque 24 Nm, 13 mm metric wrench
 SKM 10..., tightening torque 48 Nm, 17 mm metric wrench
 SKM 12..., tightening torque 123 Nm, 19 mm metric wrench



Mushroom Head Bolt

serrated flange nut included

model no.	thread M	length A mm Inch	strength category	Weight per 100 pcs kg	Pack / Box Qty
V FLM 6X12	6	12 0,5	-	0,80	100
F FLM 6X12 F	6	12 0,5	-	0,90	50
F FLM 6X16 F	6	16 0,6	-	0,90	50
F FLM 8X13 F	8	13 0,5	8.8	2,00	100
F FLM 8X16 F	8	16 0,6	8.8	2,09	50
F FLM 8X25 F	8	25 1	8.8	2,80	50
F FLM 10X25 F	10	25 1	8.8	4,00	50
F FLM 12X30 F	12	30 1,2	8.8	8,00	50
E3 FLM 6X12 E3	6	12 0,5	1.4301	0,91	50
E3 FLM 8X16 E3	8	16 0,6	1.4301	2,10	50
E3 FLM 10X25 E3	10	25 1	1.4301	3,99	50



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Mushroom Head Bolt

serrated flange nut included

model no.	thread M	length A mm Inch	Weight per 100 pcs kg	Pack / Box Qty
V FLDM 6X30	6	30 1,2	1,25	50
V FLDM 6X45	6	45 1,8	1,56	50
V FLDM 6X60 V	6	60 2,4	2,08	50
E3 FLDM 6X45 E3	6	45 1,8	1,56	50



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Mushroom Head Bolt

serrated flange nut and large diameter washer included

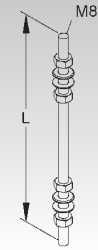
model no.	thread M	length A mm Inch	Weight per 100 pcs kg	Pack / Box Qty
F FLMU 6X20 F	6	20 0,8	1,42	50



Threaded Rod, size M8

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V M 8/1000	1000 39,4	4.6	35,1	25

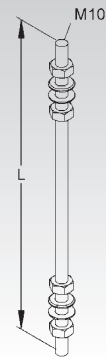
Nuts and washers not included.



Threaded Rod, size M10

model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V M 10/1000	1000 39,4	4.6	56,4	25

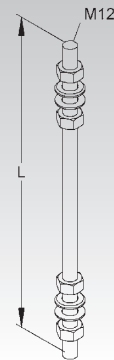
Nuts and washers not included.



Threaded Rod, size M12

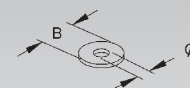
model no.	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch			
V M 12/1000	1000 39,4	4.6	75	20

Nuts and washers not included.



Large Diameter Washer

model no.	Diameter of mounting hole	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm	mm Inch		
V UGM 6	6,4	18 0,7	0,26	100
V UGM 8	8,4	24 0,9	0,68	100
V UGM 10	10,5	30 1,2	1,22	100
V UGM 12 V	13	37 1,5	2,22	100
F UGM 6 F	6,4	18 0,7	0,28	100
F UGM 8 F	8,4	24 0,9	0,74	100
F UGM 10 F	10,5	30 1,2	1,34	100
F UGM 12 F	13	37 1,5	2,44	100
E3 UGM 6 E3	6,4	18 0,7	0,26	100
E3 UGM 8 E3	8,4	24 0,9	0,68	100
E3 UGM 10 E3	10,5	30 1,2	1,22	100
E3 UGM 12 E3	13	37 1,5	2,23	100



SUPPORT SYSTEM

Hexagonal Nut

washer included

	model no.	thread M	Weight per 100 pcs kg	Pack / Box Qty
V	SMU 8	8	0,77	50
V	SMU 10	10	1,53	50
V	SMU 12	12	2,32	40
E3	SMU 10 E3	10	1,53	50
E3	SMU 12 E3	12	2,25	40

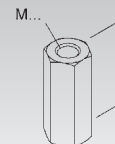


Rod Coupling

hexagonal

	model no.	thread M	length A mm Inch	Weight per 100 pcs kg	Pack / Box Qty
V	VBSM 8	8	40 1,6	1,80	50
V	VBSM 10	10	40 1,6	2,25	50
V	VBSM 12	12	40 1,6	7,00	50

for coupling threaded rods



Serrated Washer

	model no.	inner diameter mm Inch	Weight per 100 pcs kg	Pack / Box Qty
V	ZS M4	4,3 0,2	0,01	100
V	ZS M5	5,3 0,2	0,02	100
V	ZS M6	6,4 0,3	0,02	100
V	ZS M8	8,4 0,3	0,05	100
V	ZS M10	10,5 0,4	0,08	100
V	ZS M12	12,5 0,5	0,11	100



Anchor Bolt

	model no.	thread M	clamping range mm²	Weight per 100 pcs kg	Pack / Box Qty
V	DAZ 8X10	8	≤ 10	3,16	50
V	DAZ 10X10	10	≤ 10	6,33	50
V	DAZ 10X30	10	≤ 30	7,32	25
V	DAZ 12X10	12	≤ 10	10,27	20
V	DAZ 16X25	16	≤ 25	23,78	10

High performance steel anchor with washer and nut for cracked and non/cracked concrete (C20/25 to C50/60) as well as for natural stone with dense structure.

Please always follow the installation instructions and contact Niedax with any questions regarding technical specifications.

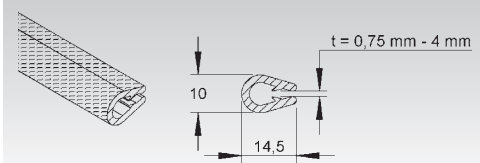


Edge Protection Strip

model no.	color	Weight per 100 m kg	Pack / Box Qty
K10 RKBA 10	black	15	10 m
K10 RKBA 10 E4	black	15	100 m

for sheet metal thickness from 0.8 mm to 4 mm

temperature range -25°C to +70°C

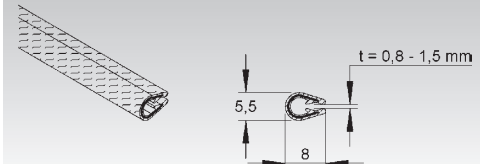


Edge Protection Strip

model no.	color	Weight per 100 m kg	Pack / Box Qty
K10 RKBA 5	black	4,7	100 m

for sheet metal thickness from 0.6 mm to 1.5 mm

temperature range -25°C to +70°C



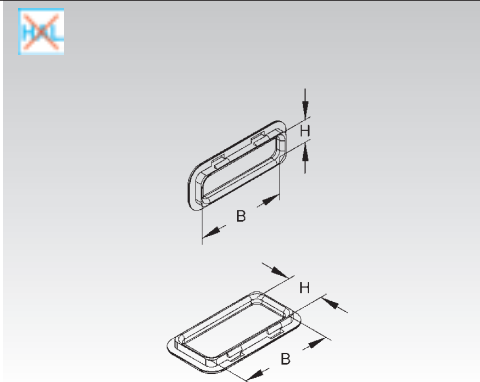
Edge Protection Ring

UV resistant

model no.	color	inside height H mm Inch	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
K04 KSR 20 A	black	14,5 0,6	58 2,3	0,32	20
K04 KSR 30 A	black	24,0 0,9	58 2,3	0,38	20

to protect cables at the knockouts of tray or surface metal raceways

Suitable for: RSV 50... distribution cable tray



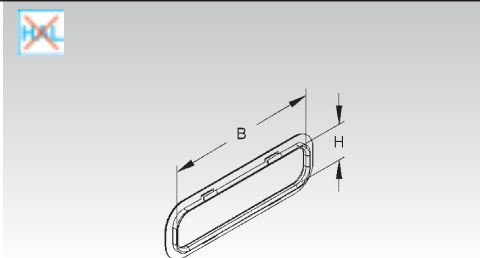
Edge Protection Ring

UV resistant

model no.	color	inside height H mm Inch	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
K04 KSR 40 A	black	34,5 1,4	144,5 5,7	0,97	20

to protect cables at the knockouts of tray or surface metal raceways

Suitable for: RLCPV 85... OV and RSV 110... distribution cable tray

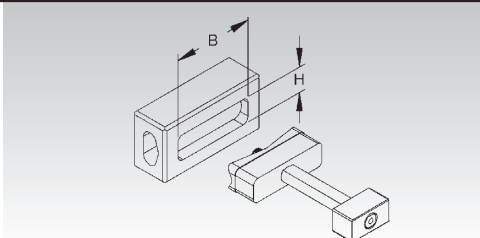


Knockout Punches

model no.	height H mm Inch	width B mm Inch	Weight per 100 pcs kg	Pack / Box Qty
B BL 20.65	20 0,8	65 2,6	108	1
B BL 30.65	30 1,2	65 2,6	108	1

for punching square knockouts in steel of max. 2 mm thickness

Please install KSR...A edge protection rings to protect cables from damage.



SUPPORT SYSTEM

Yoke-Clamp

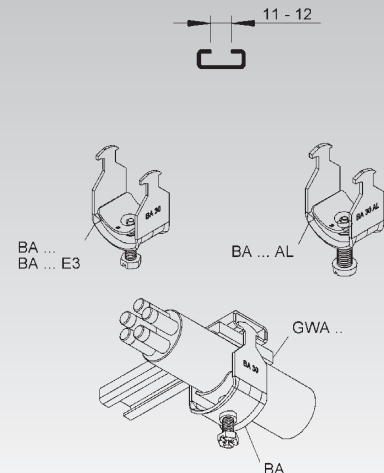
with pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F BA 12	6 - 12	slotted hex head	6	2,36	100
F BA 14	10 - 14	slotted hex head	6	2,54	100
F BA 16	12 - 16	slotted hex head	6	2,72	100
F BA 18	14 - 18	slotted hex head	6	2,96	100
F BA 22	18 - 22	slotted hex head	6	3,38	100
F BA 26	22 - 26	slotted hex head	6	3,89	100
F BA 30	26 - 30	slotted hex head	6	4,32	100
F BA 34	30 - 34	slotted hex head	6	5,80	100
F BA 38	34 - 38	slotted hex head	6	7,83	100
F BA 42	38 - 42	slotted hex head	6	8,83	100
F BA 46	42 - 46	slotted hex head	8	9,65	100
F BA 50	46 - 50	slotted hex head	8	10,40	50
F BA 54	50 - 54	slotted hex head	8	11,00	50
F BA 58	54 - 58	slotted hex head	8	11,80	50
F BA 64	58 - 64	slotted hex head	8	12,75	50

for one cable

Suitable for: slot width 11-12 mm

Please order GWU... counter pressure cradles separately.



Yoke-Clamp

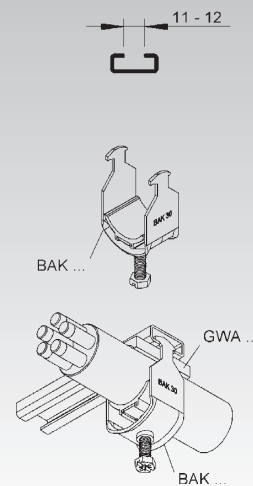
with plastic pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F BAK 14	10 - 14	slotted hex head	6	3,00	100
F BAK 18	14 - 18	slotted hex head	6	3,35	100
F BAK 22	18 - 22	slotted hex head	6	3,79	100
F BAK 26	22 - 26	slotted hex head	6	4,03	100
F BAK 30	26 - 30	slotted hex head	6	4,51	100
F BAK 34	30 - 34	slotted hex head	6	4,87	100
F BAK 38	34 - 38	slotted hex head	6	7,43	100
F BAK 42	38 - 42	slotted hex head	6	8,30	100
F BAK 46	42 - 46	slotted hex head	8	9,43	100
F BAK 50	46 - 50	slotted hex head	8	10,02	50
F BAK 54	50 - 54	slotted hex head	8	11,28	50
F BAK 58	54 - 58	slotted hex head	8	11,51	50
F BAK 64	58 - 64	slotted hex head	8	12,35	50

for one cable

Suitable for: slot width 11-12 mm

Please order GWU... counter pressure cradles separately.



Yoke-Clamp

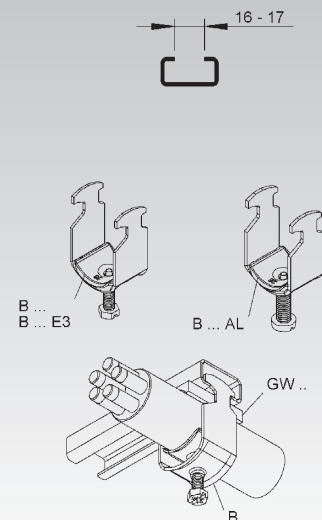
with pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F B 12	6 - 12	slotted hex head	6	2,57	100
F B 14	10 - 14	slotted hex head	6	2,78	100
F B 16	12 - 16	slotted hex head	6	2,92	100
F B 18	14 - 18	slotted hex head	6	3,14	100
F B 22	18 - 22	slotted hex head	6	3,56	100
F B 26	22 - 26	slotted hex head	6	4,10	100
F B 30	26 - 30	slotted hex head	6	4,58	100
F B 34	30 - 34	slotted hex head	6	6,07	100
F B 38	34 - 38	slotted hex head	6	8,07	100
F B 42	38 - 42	slotted hex head	6	8,61	100
F B 46	42 - 46	slotted hex head	8	9,65	100
F B 50	46 - 50	slotted hex head	8	10,40	50
F B 54	50 - 54	slotted hex head	8	11,00	50
F B 58	54 - 58	slotted hex head	8	11,80	50
F B 64	58 - 64	slotted hex head	8	12,75	50

for one cable

Suitable for: slot width 16-17 mm

Please order GWU... counter pressure cradles separately.



Yoke-Clamp

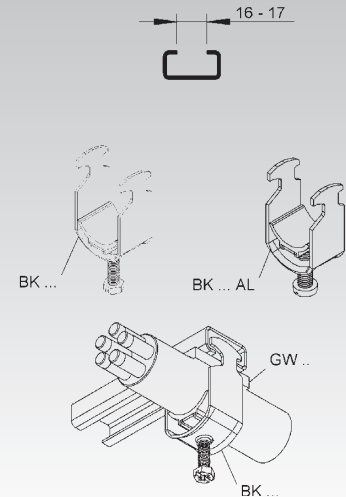
with plastic pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F BK 14	8 - 14	slotted hex head	6	3,47	100
F BK 18	14 - 18	slotted hex head	6	3,71	100
F BK 22	18 - 22	slotted hex head	6	3,99	100
F BK 26	22 - 26	slotted hex head	6	4,36	100
F BK 30	26 - 30	slotted hex head	6	4,77	100
F BK 34	30 - 34	slotted hex head	6	5,17	100
F BK 38	34 - 38	slotted hex head	6	7,58	100
F BK 42	38 - 42	slotted hex head	6	8,15	100
F BK 46	42 - 46	slotted hex head	8	9,50	100
F BK 50	46 - 50	slotted hex head	8	10,08	50
F BK 54	50 - 54	slotted hex head	8	10,88	50
F BK 58	54 - 58	slotted hex head	8	11,53	50
F BK 64	58 - 64	slotted hex head	8	12,83	50

for one cable

Suitable for: slot width 16-17 mm

Please order GWU... counter pressure cradles separately.



Yoke-Clamp

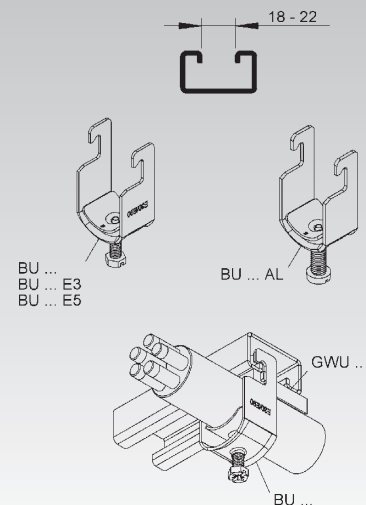
with pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F BU 12	6 - 12	slotted hex head	6	2,83	100
F BU 14	10 - 14	slotted hex head	6	3,16	100
F BU 16	12 - 16	slotted hex head	6	3,30	100
F BU 18	14 - 18	slotted hex head	6	3,46	100
F BU 22	18 - 22	slotted hex head	6	3,91	100
F BU 26	22 - 26	slotted hex head	6	4,33	100
F BU 30	26 - 30	slotted hex head	6	4,81	100
F BU 34	30 - 34	slotted hex head	6	6,06	100
F BU 38	34 - 38	slotted hex head	6	8,03	100
F BU 42	38 - 42	slotted hex head	6	8,61	100
F BU 46	42 - 46	slotted hex head	8	9,65	100
F BU 50	46 - 50	slotted hex head	8	10,40	50
F BU 54	50 - 54	slotted hex head	8	11,00	50
F BU 58	54 - 58	slotted hex head	8	11,80	50
F BU 64	58 - 64	slotted hex head	8	12,75	50

for one cable

Suitable for: slot width 18-22 mm

Please order GWU... counter pressure cradles separately.



Yoke-Clamp

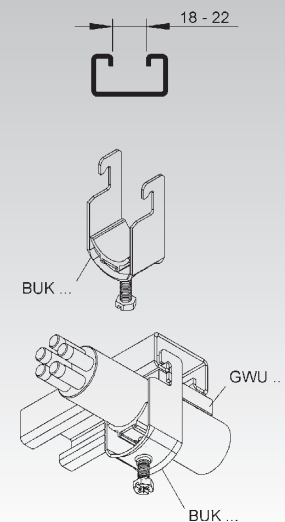
with plastic pressure cradle

model no.	for cable dia. mm	bolt head	thread M	Weight per 100 pcs kg	Pack / Box Qty
F BUK 14	8 - 14	slotted hex head	6	3,61	100
F BUK 18	14 - 18	slotted hex head	6	3,84	100
F BUK 22	18 - 22	slotted hex head	6	4,18	100
F BUK 26	22 - 26	slotted hex head	6	4,64	100
F BUK 30	26 - 30	slotted hex head	6	4,96	100
F BUK 34	30 - 34	slotted hex head	6	5,29	100
F BUK 38	34 - 38	slotted hex head	6	7,75	100
F BUK 42	38 - 42	slotted hex head	6	8,20	100
F BUK 46	42 - 46	slotted hex head	8	9,50	100
F BUK 50	46 - 50	slotted hex head	8	10,00	50
F BUK 54	50 - 54	slotted hex head	8	10,67	50
F BUK 58	54 - 58	slotted hex head	8	11,24	50
F BUK 64	58 - 64	slotted hex head	8	12,07	50

for one cable

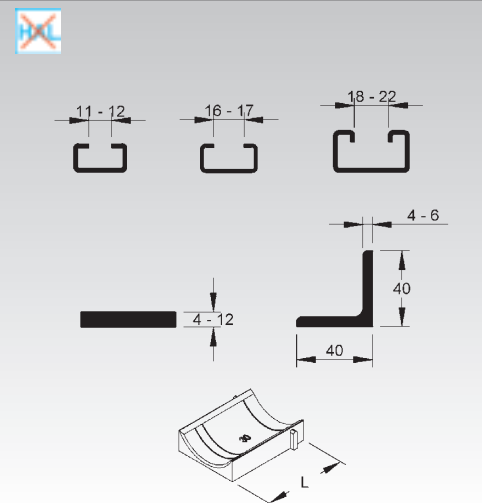
Suitable for: slot width 18-22 mm

Please order GWU... counter pressure cradles separately.

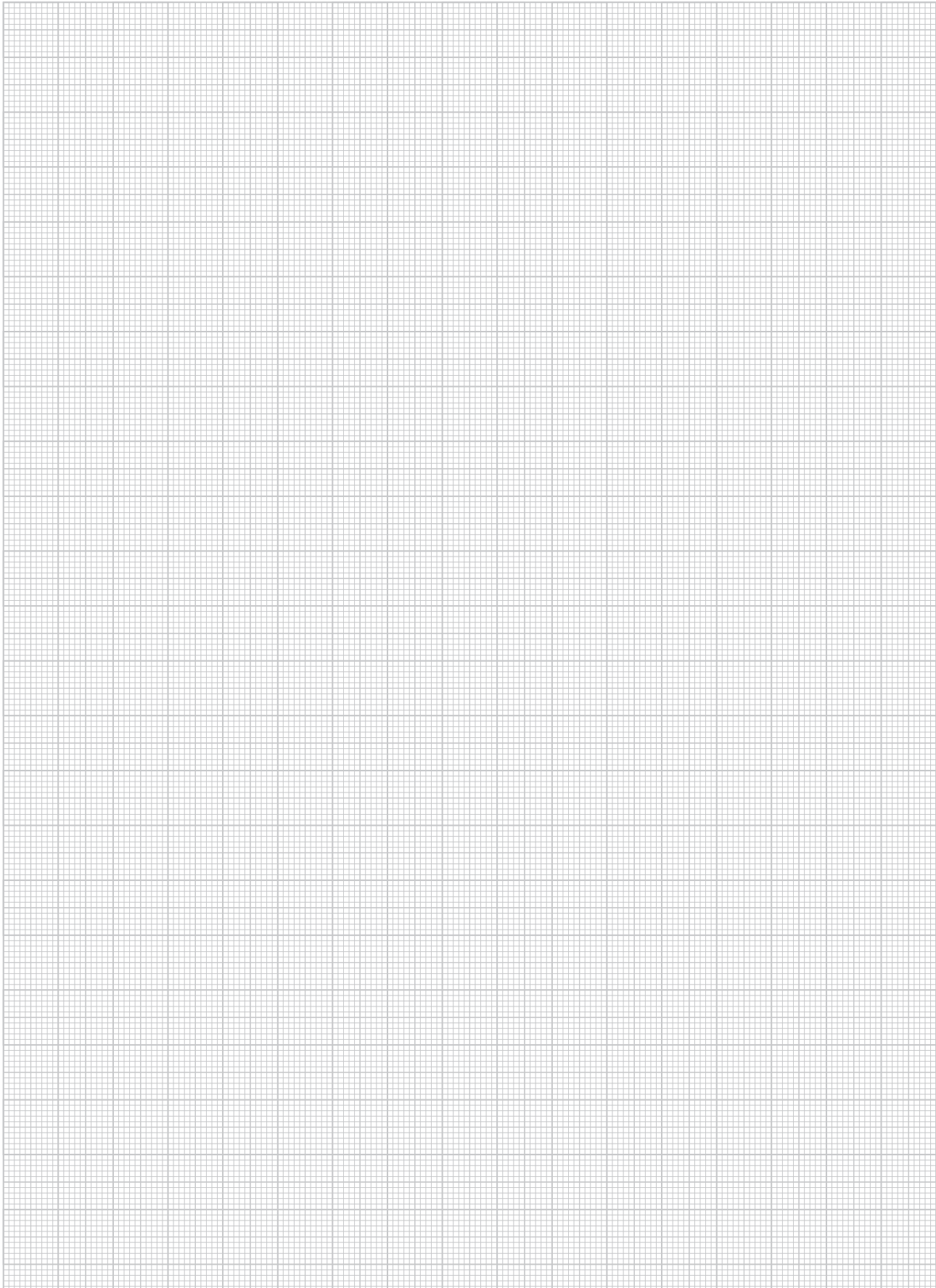


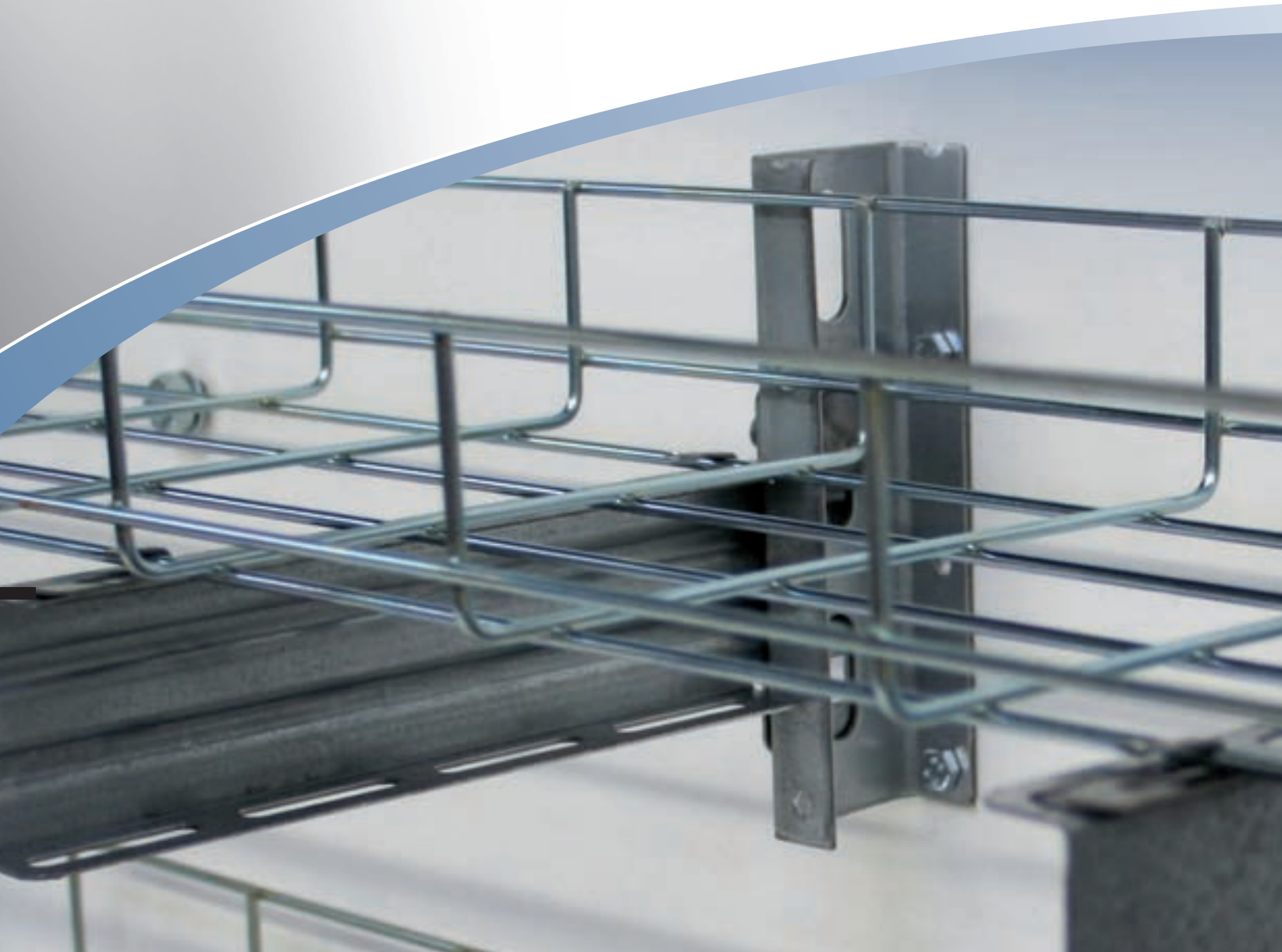
Counter Pressure Cradle for all Yoke-Clamps

	model no.	for cable dia.	length A		Weight per 100 pcs kg	Pack / Box Qty
		mm	mm	Inch		
K02	GWU 12	6 - 12	40	1,6	0,08	100
K02	GWU 14	10 - 14	40	1,6	0,10	100
K02	GWU 16	12 - 16	40	1,6	0,12	100
K02	GWU 18	14 - 18	40	1,6	0,13	100
K02	GWU 22	18 - 22	40	1,6	0,23	100
K02	GWU 26	22 - 26	40	1,6	0,28	100
K02	GWU 30	26 - 30	40	1,6	0,37	100
K02	GWU 34	30 - 34	40	1,6	0,42	100
K02	GWU 38	34 - 38	40	1,6	0,60	50
K02	GWU 42	38 - 42	40	1,6	0,66	50
K02	GWU 46	42 - 46	40	1,6	0,73	50
K02	GWU 50	46 - 50	40	1,6	0,81	50
K02	GWU 54	50 - 54	45	1,8	1,27	50
K02	GWU 58	54 - 58	45	1,8	1,42	50
K02	GWU 64	58 - 64	45	1,8	1,53	50



NOTES





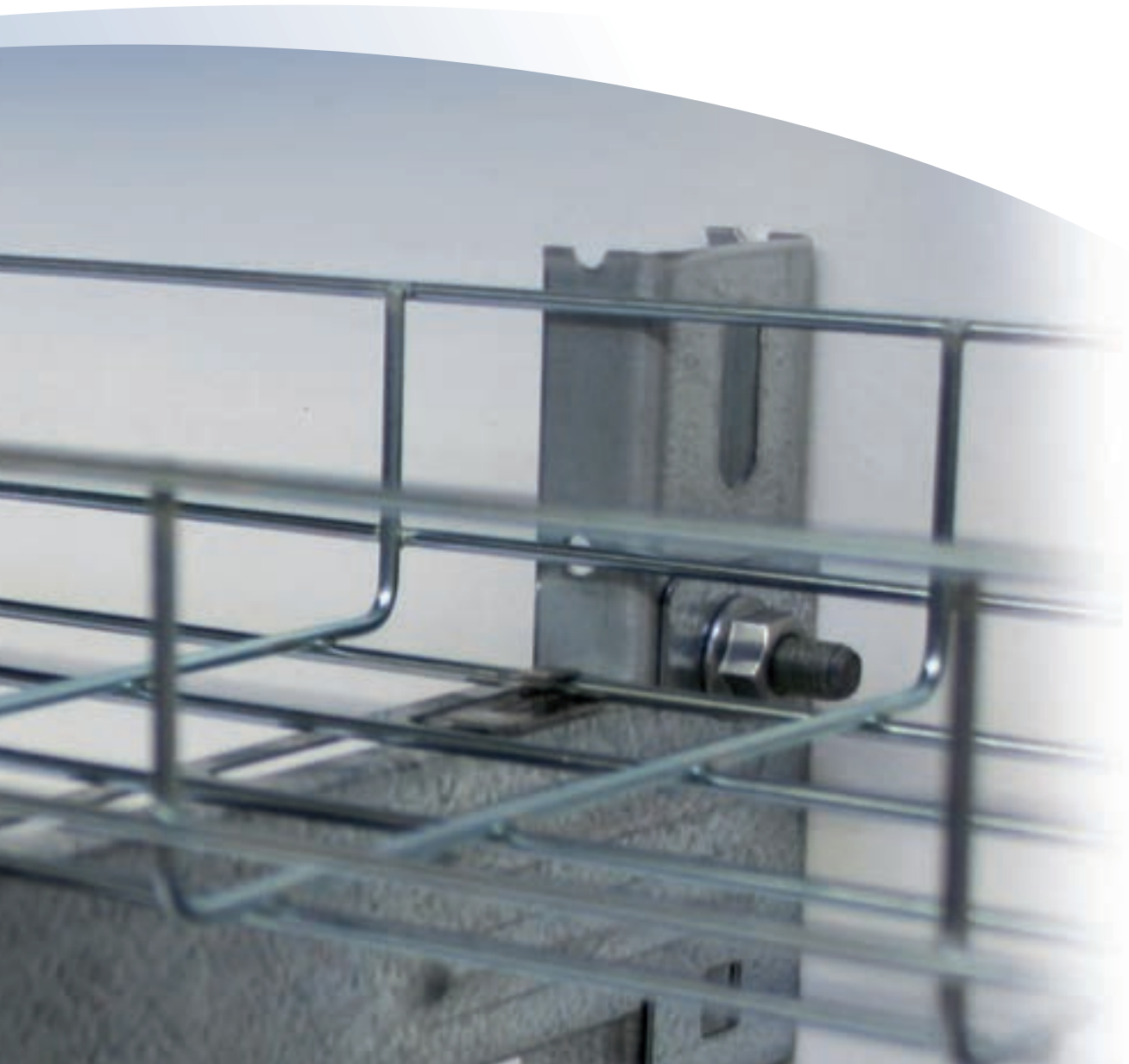
Wire Mesh Tray System

 Wire Mesh Tray

 Barrier Strips

 Covers

 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).

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.

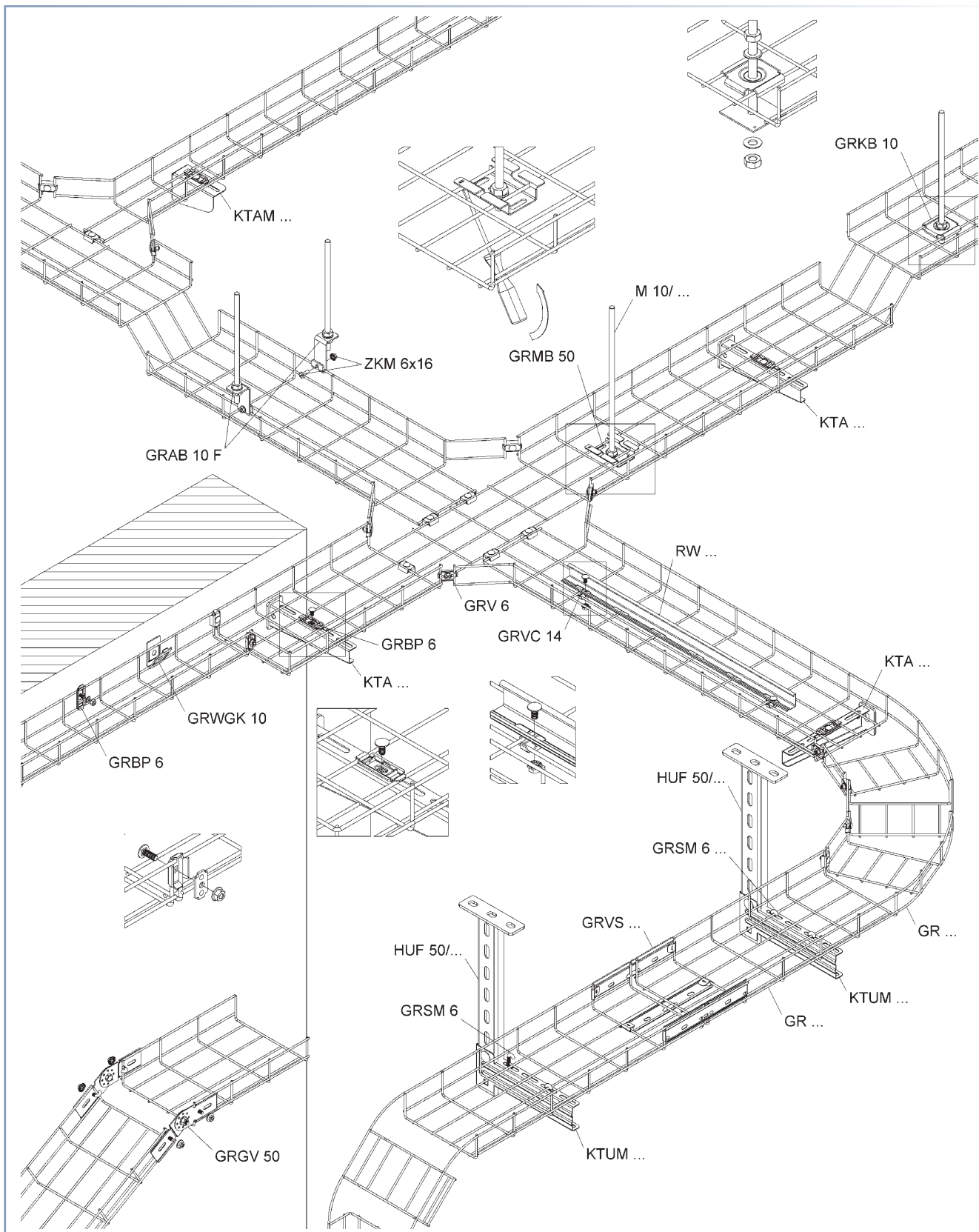
WIRE MESH TRAY SYSTEM

Available Side Rail Heights

SYSTEM	Wire Mesh Tray	GR	 Page 124	 Page 125
	Wire Mesh Tray, u-shaped	GRS	—	 Page 125  Page 126  Page 127
ACCESSORIES	Boltless Splice Plate	GRVS	Page 130*	
	Universal Splice Kit	GRHKM 6x15	Page 130*	
	Heavy Duty Splice Kit	GTVM 6x25	Page 130*	
	Horizontal Straight Splice	GTVL 300	Page 130*	
	Clamping Bracket	GTL 20	Page 130*	
	Counter Bracket	GTL 30	Page 130*	
	Large Clamping Bracket	GTL 40	Page 131*	
	Trusshead Bolt and Serrated Washer	FLM 6x20	Page 131*	
	Adjustable Splice Plate	GRGV 50	Page 131*	
	Elbow Splice Bar	GRWV 20/250	Page 131*	
	J-Hook Bolt	GRSM 6	Page 132*	
	Barrier Strip	RW	Page 132*	
	Splice Plate for Barrier Strip	RTV	Page 132*	
	Mounting Clamp for Barrier Strip	GRVC 14	Page 132*	
	Universal Wire Mesh Mounting Bracket	GRBP 6	Page 133*	
	Center Hanger	GRKB 10	Page 133*	
	Wire Mesh Mounting Bracket	GRWGK 10	Page 133*	
	Wall Mounting Bracket	GRMB 50	Page 134*	
	Trapeze Hanger for Wire Mesh Tray	GTAB 8	Page 135*	
	Cable Drop Out	GTKA 50	Page 135*	
	Hanger / Wall Bracket for Wire Mesh Tray	GTTKS	Page 135/136*	
	Wall / Ceiling Bracket for Wire Mesh Tray	GTTKSU	Page 136*	
	Center Hanger for Wire Mesh Basket	GTTW	Page 137*	
	Wire Mesh Wall Bracket	GTZP	Page 137*	
	Wire Mesh Floor Support	GTBT	Page 137*	
	Snapon Cover for Wire Mesh Tray	GRD	Page 138*	
	Wire Mesh Bolt Cutter	GTBS	Page 138*	

* Applicable with all edge heights





WIRE MESH TRAY SYSTEM

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 AISI 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 2.3", 4.3", and 6.3" (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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
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

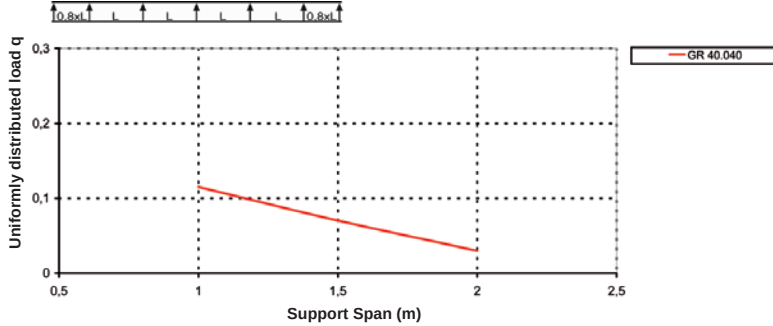
WIRE MESH TRAY SYSTEM

Wire Mesh Tray

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
V GR 40.040	40 1,6	40 1,6	3,5	37,6	2 x 3 m
F GR 40.040 F	40 1,6	40 1,6	3,5	37,6	2 x 3 m
E3 GR 40.040 E3	40 1,6	40 1,6	3,5	37,6	2 x 3 m

Splice plates have to be ordered separately.

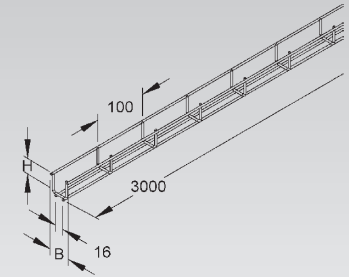
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
40
mm

Nominal
1 5/8
inches

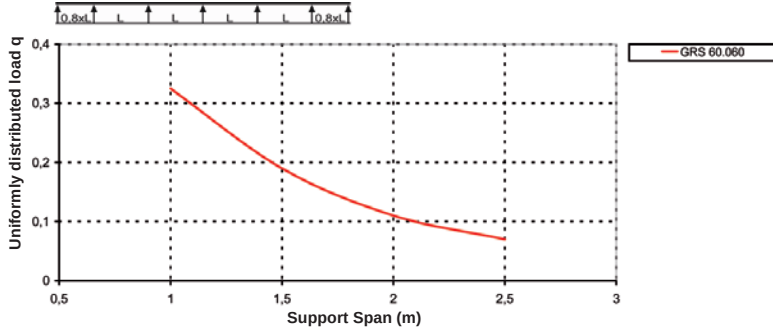


Wire Mesh Tray

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
V GRS 60.060	60 2,4	60 2,4	4,0	54,83	2 x 3 m
F GRS 60.060 F	60 2,4	60 2,4	4,0	60,31	2 x 3 m
E3 GRS 60.060 E3	60 2,4	60 2,4	4,5	69,61	2 x 3 m

Splice plates have to be ordered separately.

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



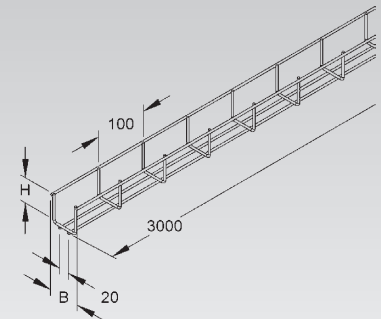
Specified load ratings are independent of splice plate location.

Height
60
mm

Nominal
2 3/8
inches



53 54

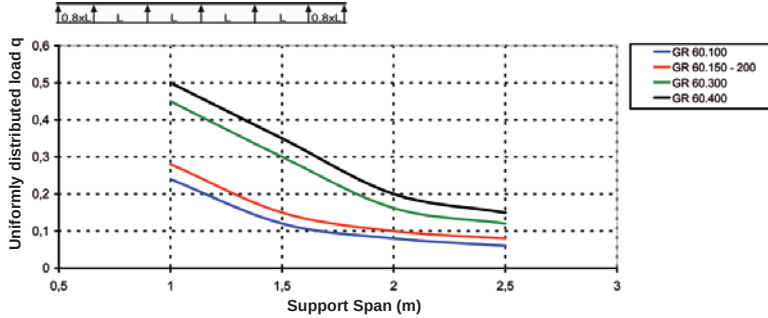


Wire Mesh Tray

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
E3 GR 60.100 E3	60 2,4	100 3,9	3,5	60,97	2 x 3 m
E3 GR 60.150 E3	60 2,4	150 5,9	3,5	72,41	2 x 3 m
E3 GR 60.200 E3	60 2,4	200 7,9	3,5	83,95	2 x 3 m
E3 GR 60.300 E3	60 2,4	300 11,8	4,0	139,59	2 x 3 m

Splice plates have to be ordered separately.

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

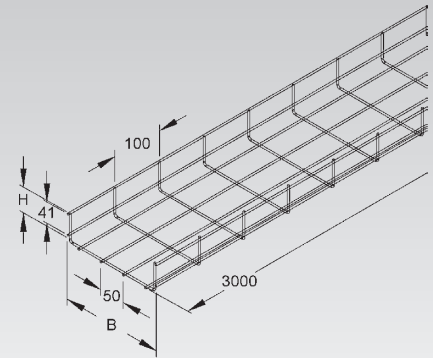


Specified load ratings are independent of splice plate location.

Height
60
mm

Nominal
2 3/8
inches

53

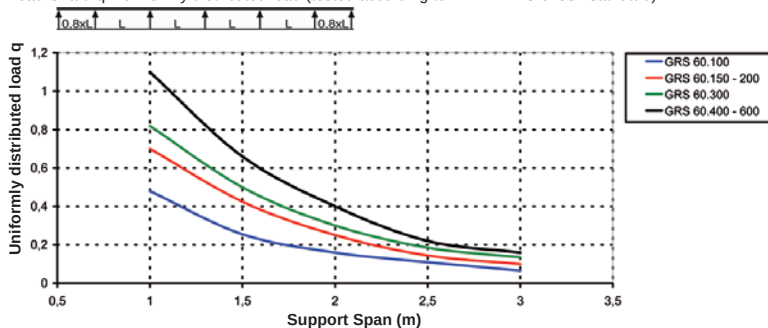


Wire Mesh Tray

model no.	height H	width B	thick- ness t	dist. A	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm	mm Inch		
V GRS 60.100	60 2,4	100 3,9	4,0	40,0 1,6	78,97	2 x 3 m
V GRS 60.150	60 2,4	150 5,9	4,5	37,5 1,5	118,32	2 x 3 m
V GRS 60.200	60 2,4	200 7,9	4,5	37,5 1,5	137,27	2 x 3 m
V GRS 60.300	60 2,4	300 11,8	4,8	37,5 1,5	199,37	2 x 3 m
V GRS 60.400	60 2,4	400 15,7	4,8	37,5 1,5	242,50	2 x 3 m
V GRS 60.450	60 2,4	450 17,7	4,8	37,5 1,5	263,49	2 x 3 m
V GRS 60.500	60 2,4	500 19,7	4,8	37,5 1,5	285,63	2 x 3 m
V GRS 60.600	60 2,4	500 19,7	4,8	37,5 1,5	328,77	2 x 3 m
F GRS 60.100 F	60 2,4	100 3,9	4,0	40,0 1,6	86,53	2 x 3 m
F GRS 60.150 F	60 2,4	150 5,9	4,5	37,5 1,5	129,90	2 x 3 m
F GRS 60.200 F	60 2,4	200 7,9	4,5	37,5 1,5	150,75	2 x 3 m
F GRS 60.300 F	60 2,4	300 11,8	4,8	37,5 1,5	218,66	2 x 3 m
F GRS 60.400 F	60 2,4	400 15,7	4,8	37,5 1,5	266,11	2 x 3 m
F GRS 60.450 F	60 2,4	450 17,7	4,8	37,5 1,5	272,50	2 x 3 m
F GRS 60.500 F	60 2,4	500 19,7	4,8	37,5 1,5	313,57	2 x 3 m
F GRS 60.600 F	60 2,4	600 23,6	4,8	37,5 1,5	361,02	2 x 3 m

Splice plates have to be ordered separately.

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

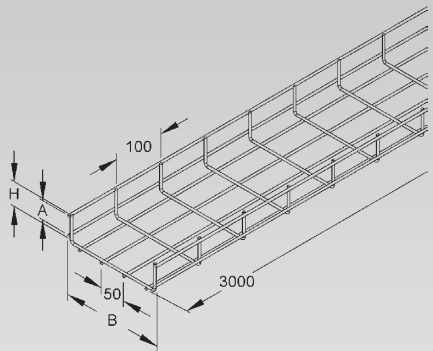


Specified load ratings are independent of splice plate location.

Height
60
mm

Nominal
2 3/8
inches

54



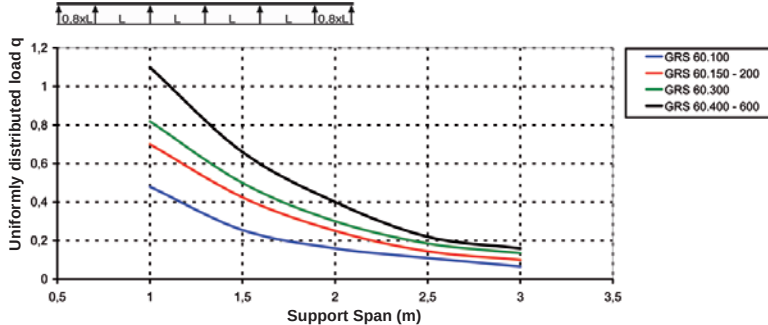
WIRE MESH TRAY SYSTEM

Wire Mesh Tray

model no.		height H	width B	thick- ness t	dist. A	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm	mm Inch		
E3	GRS 60.100 E3	60 2,4	100 3,9	4,5	37,5 1,5	99,97	2 x 3 m
E3	GRS 60.150 E3	60 2,4	150 5,9	4,5	37,5 1,5	119,05	2 x 3 m
E3	GRS 60.200 E3	60 2,4	200 7,9	4,5	37,5 1,5	138,12	2 x 3 m
E3	GRS 60.300 E3	60 2,4	300 11,8	4,5	37,5 1,5	176,27	2 x 3 m
E3	GRS 60.400 E3	60 2,4	400 15,7	4,5	37,5 1,5	214,42	2 x 3 m
E3	GRS 60.450 E3	60 2,4	450 17,7	4,5	37,5 1,5	272,50	2 x 3 m
E3	GRS 60.500 E3	60 2,4	500 19,7	4,5	37,5 1,5	252,57	2 x 3 m
E3	GRS 60.600 E3	60 2,4	600 23,6	4,5	37,5 1,5	290,72	2 x 3 m

Splice plates have to be ordered separately.

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

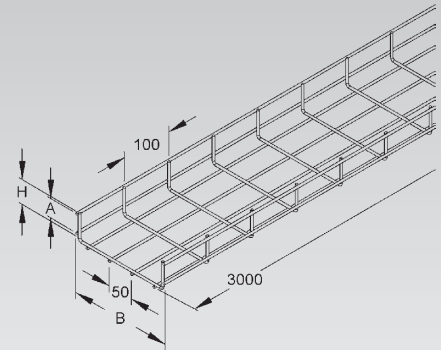


Specified load ratings are independent of splice plate location.

Height
60
mm

Nominal
2 3/8
inches

54

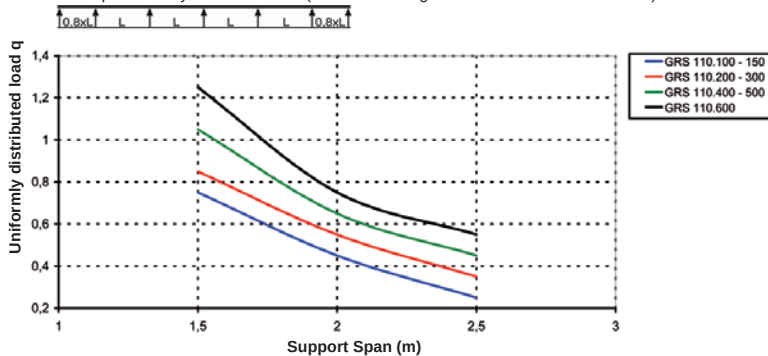


Wire Mesh Tray

model no.		height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
V	GRS 110.100	110 4,3	100 3,9	4,5	140,00	2 x 3 m
V	GRS 110.150	110 4,3	150 5,9	4,5	163,00	2 x 3 m
V	GRS 110.200	110 4,3	200 7,9	4,8	200,00	2 x 3 m
V	GRS 110.300	110 4,3	300 11,8	4,8	241,93	2 x 3 m
V	GRS 110.400	110 4,3	400 15,7	4,8	265,40	2 x 3 m
V	GRS 110.450	110 4,3	450 17,7	4,8	306,64	2 x 3 m
V	GRS 110.500	110 4,3	500 19,7	4,8	346,90	2 x 3 m
V	GRS 110.600	110 4,3	600 23,6	4,8	374,00	2 x 3 m
F	GRS 110.100 F	110 4,3	100 3,9	4,5	151,00	2 x 3 m
F	GRS 110.200 F	110 4,3	200 7,9	4,8	175,00	2 x 3 m
F	GRS 110.300 F	110 4,3	300 11,8	4,8	215,00	2 x 3 m
F	GRS 110.400 F	110 4,3	400 15,7	4,8	285,30	2 x 3 m
F	GRS 110.450 F	110 4,3	450 17,7	4,8	329,90	2 x 3 m
F	GRS 110.500 F	110 4,3	500 19,7	4,8	372,90	2 x 3 m
F	GRS 110.600 F	110 4,3	600 23,6	4,8	403,00	2 x 3 m

Splice plates have to be ordered separately.

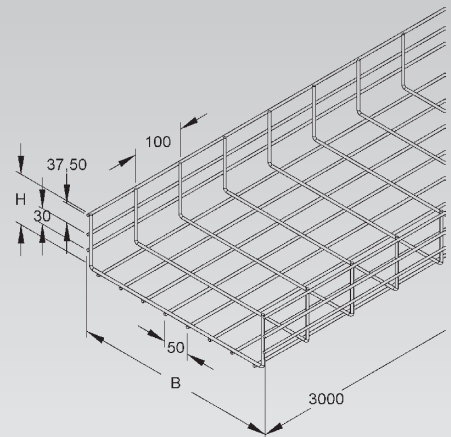
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
110
mm

Nominal
4 3/8
inches

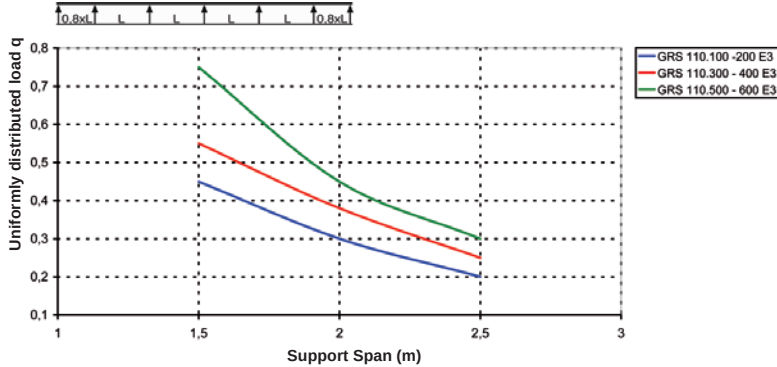


Wire Mesh Tray

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
E3 GRS 110.100 E3	110 4,3	100 3,9	4,5	138,12	2 x 3 m
E3 GRS 110.150 E3	110 4,3	150 5,9	4,5	157,00	2 x 3 m
E3 GRS 110.200 E3	110 4,3	200 7,9	4,5	176,08	2 x 3 m
E3 GRS 110.300 E3	110 4,3	300 11,8	4,5	214,24	2 x 3 m
E3 GRS 110.400 E3	110 4,3	400 15,7	4,5	252,57	2 x 3 m
E3 GRS 110.450 E3	110 4,3	450 17,7	4,5	271,60	2 x 3 m
E3 GRS 110.500 E3	110 4,3	500 19,7	4,5	290,72	2 x 3 m
E3 GRS 110.600 E3	110 4,3	600 23,6	4,5	329,00	2 x 3 m

Splice plates have to be ordered separately.

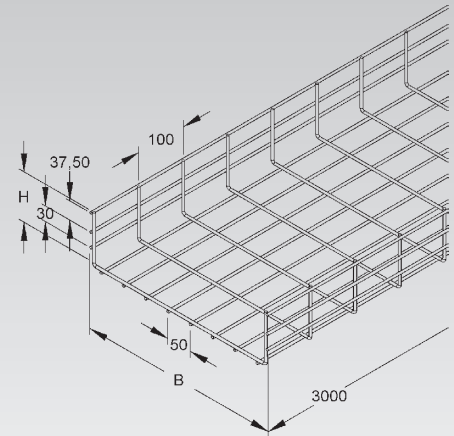
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
110
mm

Nominal
4 3/8
inches

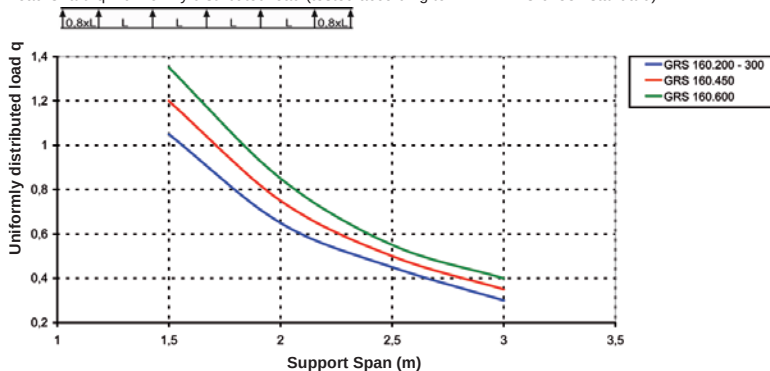


Wire Mesh Tray

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
V GRS 160.200 V	160 6,3	200 7,9	4,8	240	2 x 3 m
V GRS 160.300 V	160 6,3	300 11,8	4,8	287	2 x 3 m
V GRS 160.400 V	160 6,3	400 15,7	4,8	350	2 x 3 m
V GRS 160.450 V	160 6,3	450 17,7	4,8	350	2 x 3 m
V GRS 160.500 V	160 6,3	500 19,7	4,8	380	2 x 3 m
V GRS 160.600 V	160 6,3	600 23,6	4,8	413	2 x 3 m
F GRS 160.200 F	110 4,3	200 7,9	4,8	258	2 x 3 m
F GRS 160.300 F	110 4,3	300 11,8	4,8	332	2 x 3 m
F GRS 160.400 F	110 4,3	400 15,7	4,8	350	2 x 3 m
F GRS 160.450 F	110 4,3	450 17,7	4,8	376	2 x 3 m
F GRS 160.500 F	110 4,3	500 19,7	4,8	380	2 x 3 m
F GRS 160.600 F	110 4,3	600 23,6	4,8	444	2 x 3 m

Splice plates have to be ordered separately.

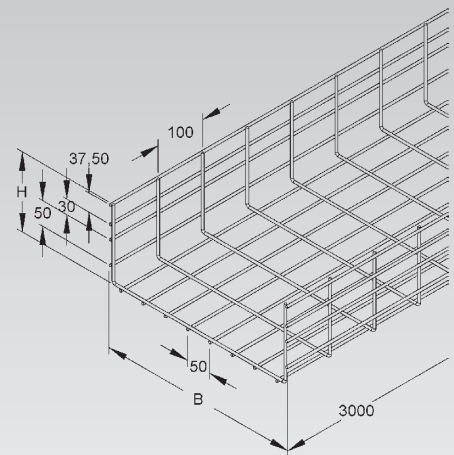
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
160
mm

Nominal
6
inches



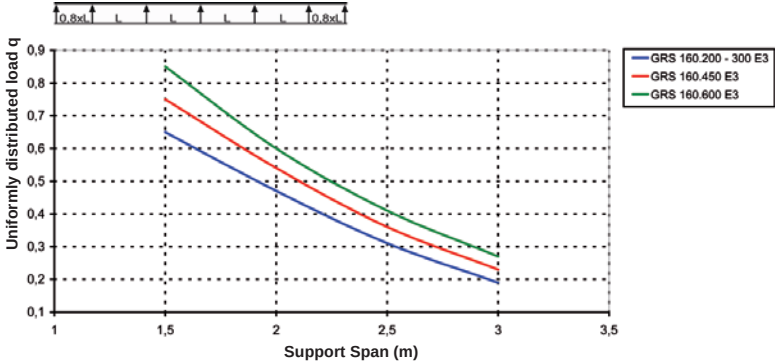
WIRE MESH TRAY SYSTEM

Wire Mesh Tray

model no.		height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch		mm Inch		mm		
E3	GRS 160.200 E3	160	6,3	200	7,9	4,5	214,42	2 x 3 m
E3	GRS 160.300 E3	160	6,3	300	11,8	4,5	252,57	2 x 3 m
E3	GRS 160.400 E3	160	6,3	400	15,7	4,5	290,72	2 x 3 m
E3	GRS 160.450 E3	160	6,3	450	17,7	4,5	319,00	2 x 3 m
E3	GRS 160.500 E3	160	6,3	500	19,7	4,5	380,00	2 x 3 m
E3	GRS 160.600 E3	160	6,3	600	23,6	4,5	376,00	2 x 3 m

Splice plates have to be ordered seperately.

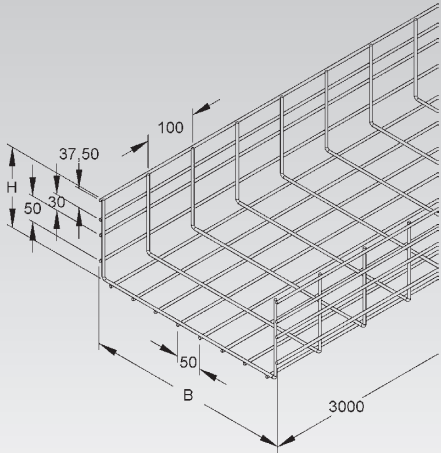
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



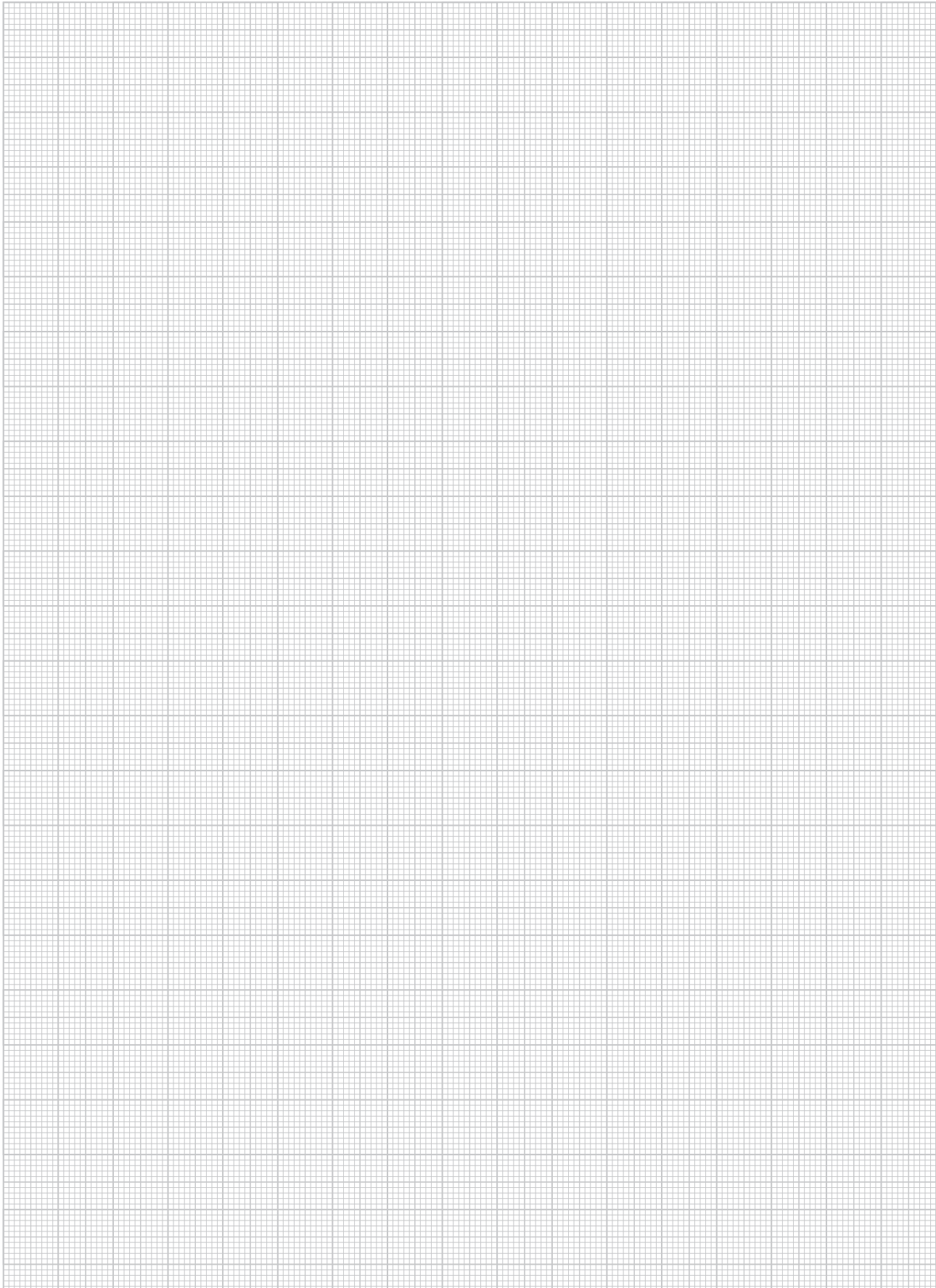
Specified load ratings are independant of splice plate location.

Height
160
mm

Nominal
6
inches



NOTES

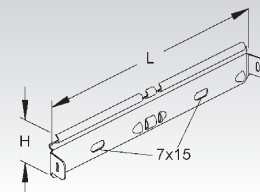


WIRE MESH TRAY SYSTEM ACCESSOIRES

Boltless Splice Plate

model no.	height H		length A		for wire gauge		Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch	mm	Inch		
S GRVS 4	37	1,5	220	8,7	3,5 - 4,0		8,18	20
S GRVS 5	38	1,5	220	8,7	4,0 - 5,0		8,22	20
E3 GRVS 4 E3	37	1,5	220	8,7	3,5 - 4,0		8,23	20
E3 GRVS 5 E3	38	1,5	220	8,7	4,0 - 5,0		8,27	20

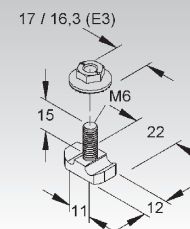
Please use E3 stainless steel splice plates for HDG wire mesh basket.



Universal Splice Kit

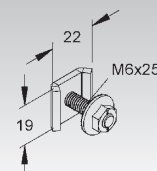
model no.	strength category	Weight per 100 pcs kg	Pack / Box Qty
V GRHKM 6X15 V	8.8	1,83	50
F GRHKM 6X15 F	8.8	1,83	50
E3 GRHKM 6X15 E3	70	1,82	50

Suitable for: GR... and GRS... wire mesh tray



Heavy Duty Splice Kit

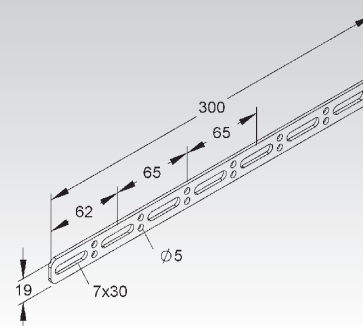
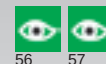
model no.	Weight per 100 kg	Pack / Box Qty
V GTVM 6X25 V	2	50
FG GTVM 6X25 FG	2	50
E4 GTVM 6X25 E4	2	50



Horizontal Straight Splice

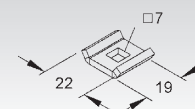
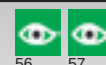
model no.	Weight per 100 kg	Pack / Box Qty
V GTVL 300 V	8	50
E3 GTVL 300 E3	8	50

Hardware not included.



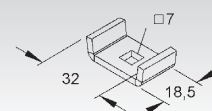
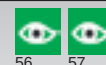
Clamping Bracket

model no.	Weight per 100 kg	Pack / Box Qty
V GTL 20 V	0,6	50
FG GTL 20 FG	0,9	50
E3 GTL 20 E3	0,6	50



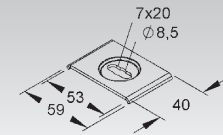
Counter Bracket

model no.	Weight per 100 kg	Pack / Box Qty
V GTL 30 V	1,5	50
FG GTL 30 FG	1,5	50
E3 GTL 30 E3	1,5	50



Large Clamping Bracket

model no.	Weight per 100	Pack / Box Qty
	kg	
V GTL 40 V	3,6	50
FG GTL 40 FG	3,6	50
E3 GTL 40 E3	4,0	50



Trusshead Bolt and Serrated Washer

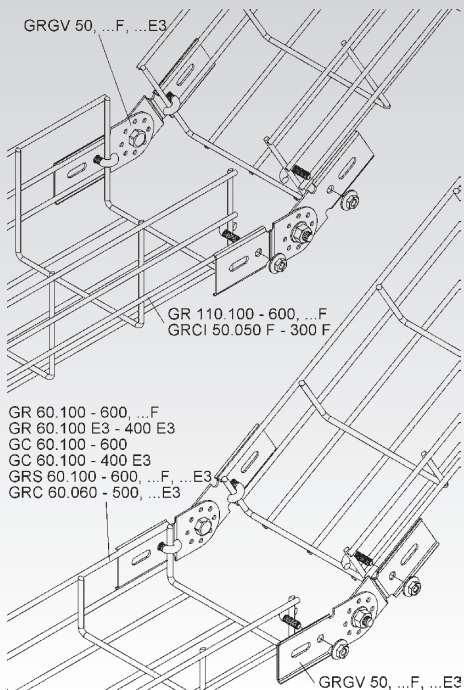
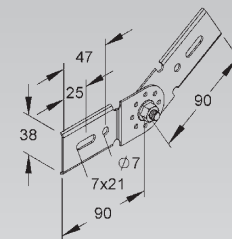
model no.	thread M	length A	Weight per 100	Pack / Box Qty
		mm Inch	kg	
G FLM 6X20 G	6	20 0,8	0,9	100
FG FLM 6X20 FG	6	20 0,8	0,7	100
E4 FLM 6X20 E4	6	20 0,8	0,9	100



Adjustable Splice Plate

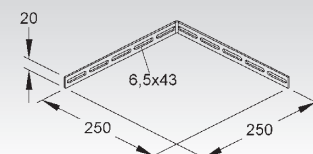
model no.	Weight per 100 pcs kg	Pack / Box Qty
S GRGV 50	11	10
F GRGV 50 F	12	10
E3 GRGV 50 E3	11	10

2 pieces required per joint



Elbow Splice Bar

model no.	height H	width B	Weight per 100 pc./ kg	Pack / Box Qty
	mm Inch	mm Inch		
F GRWV 20/250 F	20 0,8	250 9,8	17,20	20 pc.
G GRWV 20/250 G	20 0,8	250 9,8	21,82	20 pc.
E5 GRWV 20/250 E5	20 0,8	250 9,8	25,47	20 pc.

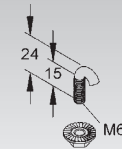


WIRE MESH TRAY SYSTEM ACCESSOIRES

J - Hook Bolt

model no.	thread M	Weight per 100 pcs kg	Pack / Box Qty
V GRSM 6 V	6	1,16	50
F GRSM 6 F	6	1,16	50
E3 GRSM 6 E3	6	1,15	50

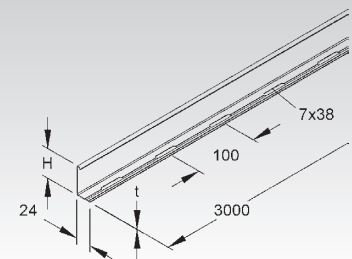
for attaching wire mesh tray
serrated flange nut included



Barrier Strip

model no.	height H	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 60	55 2,2	0,75	49,85	10 x 3 m
S RW 110	98 3,9	0,90	90,37	10 x 3 m
F RW 60 F	55 2,2	0,75	54,73	10 x 3 m
F RW 110 F	98 3,9	0,90	99,30	10 x 3 m
E3 RW 50 E3	47 1,9	0,80	46,53	10 x 3 m
E3 RW 110 E3	98 3,9	0,90	90,94	10 x 3 m

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



Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 60 E2	54,5 2,1	80 3,1	1,39	20
E2 RTV 110 E2	97,5 3,8	80 3,1	2,50	20

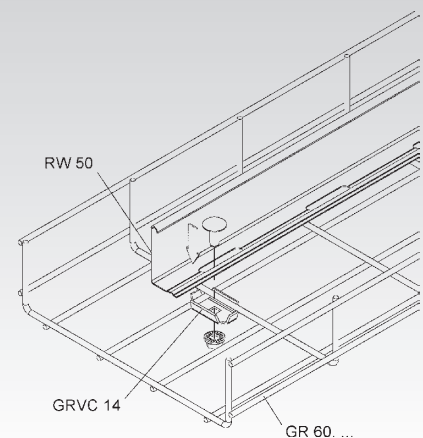
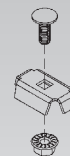
for positive locking connections and proper bonding of barrier strips



Mounting Clamp for Barrier Strip

model no.	Weight per 100 pcs kg	Pack / Box Qty
S GRVC 14	3	50
F GRVC 14 F	3	50
E3 GRVC 14 E3	3	20

for attaching barrier strips to wire mesh tray



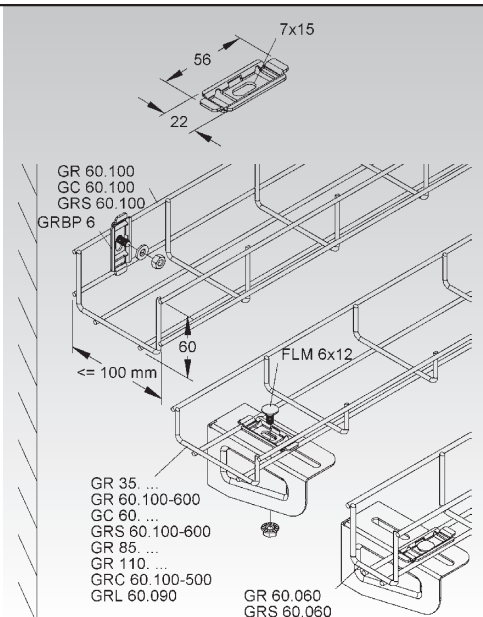
Universal Wire Mesh Mounting Bracket

model no.	Weight per 100 pcs kg	Pack / Box Qty
S GRBP 6 S	1,20	50
F GRBP 6 F	2,00	50
E3 GRBP 6 E3	1,12	50

for attaching wire mesh tray to any kind of brackets or directly to the floor

Suitable for: GR... and GRS... wire mesh tray

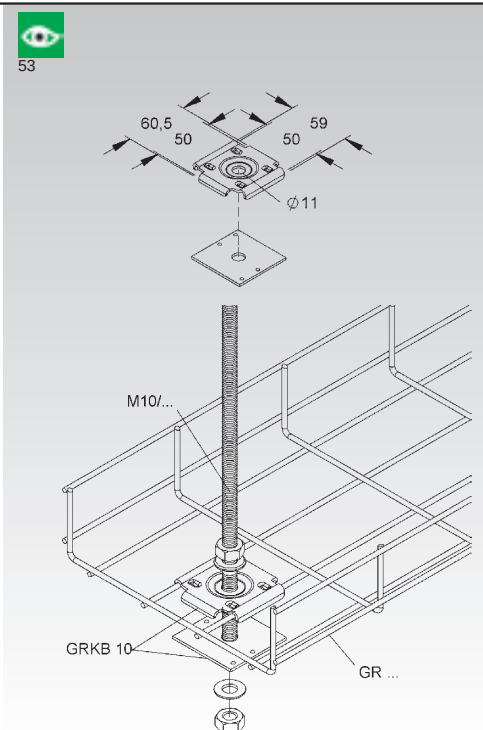
Hardware is not included.



Center Hanger

model no.	Weight per 100 pc. kg	Pack / Box Qty
S GRKB 10	10	25 pc.
F GRKB 10 F	10	25 pc.

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



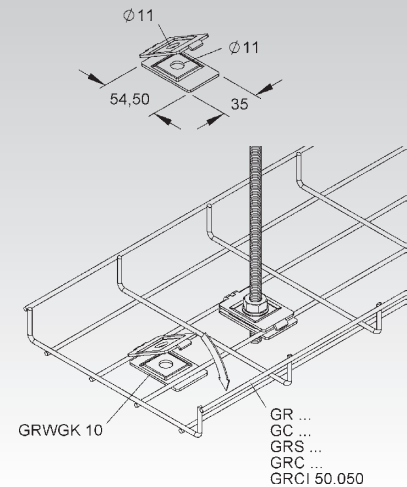
WIRE MESH TRAY SYSTEM ACCESSOIRES

Wire Mesh Mounting Bracket

model no.	Weight per 100 pcs kg	Pack / Box Qty
S GRWGK 10 S	5,8	25
E3 GRWGK 10 E3	5,8	25

max tray width for wall mount 100 mm, for center hanging 300 mm

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.



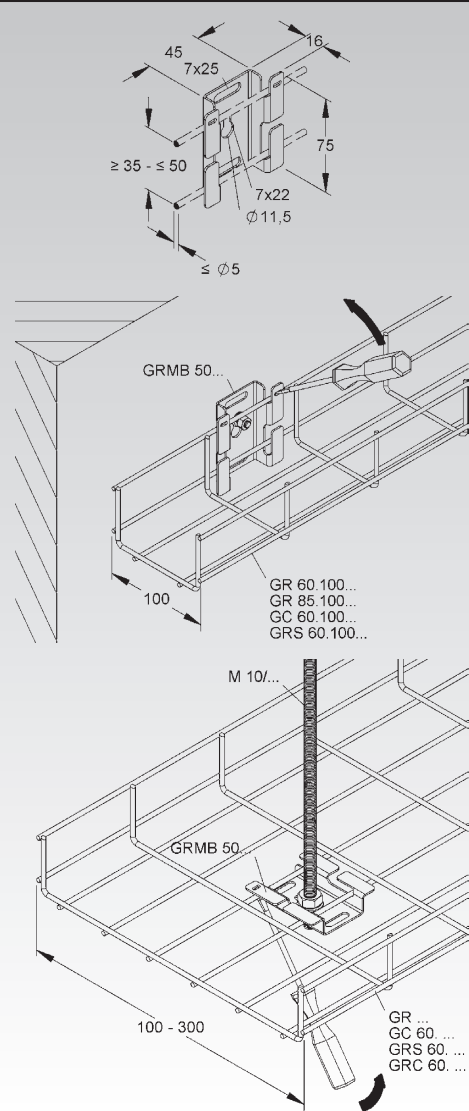
Wall Mounting Bracket

for wire mesh tray

model no.	Weight per 100 pcs kg	Pack / Box Qty
S GRMB 50	8,5	20
E3 GRMB 50 E3	8,5	20

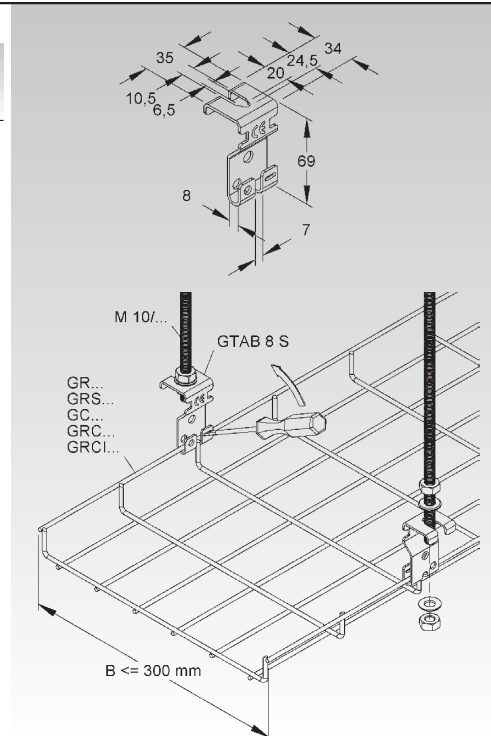
max tray width for wall mount 100 mm, for center hanging 300 mm

Suitable for: GR... and GRS... wire mesh tray



Trapeze Hanger for Wire Mesh Tray

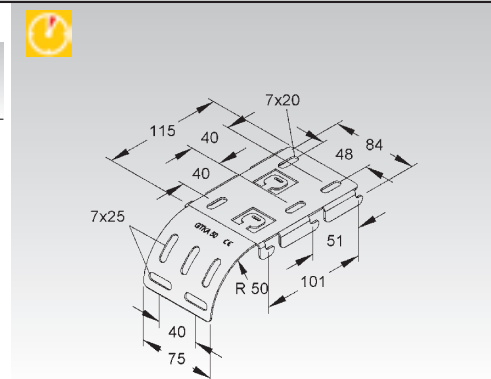
model no.	Weight per 100	Pack / Box Qty
	kg	
S GTAB 8 S	7	20



Cable Drop Out

model no.	Weight per 100 pcs kg	Pack / Box Qty
S GTKA 50 S	16,5	1

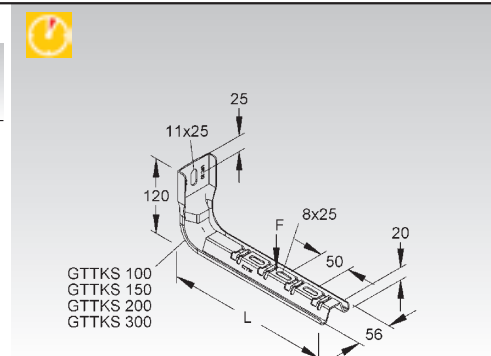
Suitable for: GR... and GRS... wire mesh tray



Hanger / Wall Bracket for Wire Mesh Tray

model no.	height H	length A	admissible load F at L/2 kN	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
S GTTKS 150 S	120 4,7	215 8,5	1,08	38	20
S GTTKS 200 S	120 4,7	265 10,4	0,86	43	20
S GTTKS 300 S	120 4,7	365 14,4	0,64	60	20
E4 GTTKS 150 E4	120 4,7	215 8,5	1,08	38	20
E4 GTTKS 200 E4	120 4,7	265 10,4	0,86	40	20

Specifically designed for boltless attachment of wire mesh tray.
The load rating shown is valid only for proper anchorage to the building structure.

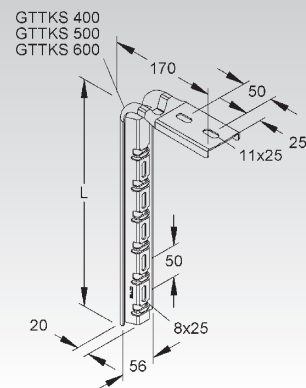


WIRE MESH TRAY SYSTEM ACCESSOIRES

Hanger for Wire Mesh Tray

	model no.	height H		length A		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	GTTKS 400 S	170	6,7	465	18,3	71	20
S	GTTKS 500 S	170	6,7	565	22,2	86	20
S	GTTKS 600 S	170	6,7	665	26,2	95	20

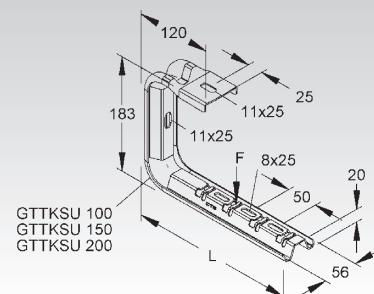
Specifically designed for boltless attachment of wire mesh tray.



Wall / Ceiling Bracket for Wire Mesh Tray

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	GTTKSU 100 S	183	7,2	165	6,5	1,22	53	1 pc.
S	GTTKSU 150 S	183	7,2	215	8,5	1,00	60	1 pc.
S	GTTKSU 200 S	183	7,2	265	10,4	0,81	67	1 pc.

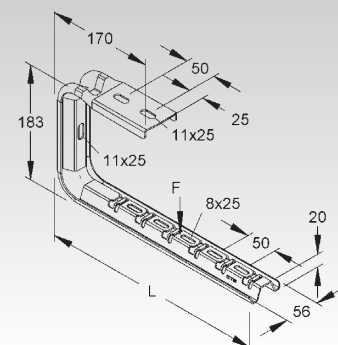
The load rating shown is only valid for proper anchorage to the building structure.



Wall / Ceiling Bracket for Wire Mesh Tray

	model no.	height H		length A		admissible load F at L/2 kN	Weight per 100 kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	GTTKSU 300 S	183	7,2	365	14,4	0,64	85	1 pc.

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



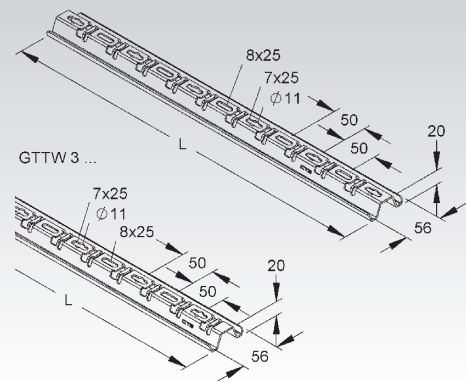
Center Hanger / Trapeze Support for Wire Mesh Basket

	model no.	length A		Weight per 100 pcs/m kg	Pack / Box Qty
		mm	Inch		
S	GTTW 300 S	300	11,8	39,0	1
S	GTTW 500 S	500	19,7	90,0	1
S	GTTW 600 S	600	23,6	75,0	1
S	GTTW 3 S	3000	118,1	98,5	3 m
F	GTTW 3 F	3000	118,1	90,0	3 m
E4	GTTW 2 E4	2000	78,7	239,0	2 m

Specifically designed for boltless attachment of wire mesh tray.
Lock wire mesh tray with a screwdriver.

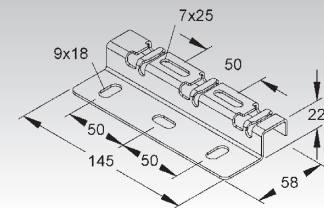


GTTW 500 S



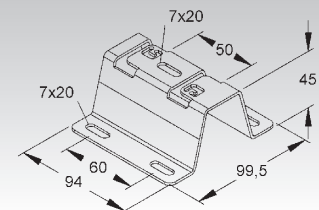
Wire Mesh Wall Bracket

	model no.	Weight per 100	Pack / Box Qty
		kg	
S	GTZP 30/150 S	14	10 pc.
F	GTZP 30/150 F	14	10 pc.



Wire Mesh Floor Support

	model no.	Weight per 100	Pack / Box Qty
		kg	
S	GTBT 50 S	20,8	20 pc.
FG	GTBT 50 FG	22,8	20 pc.



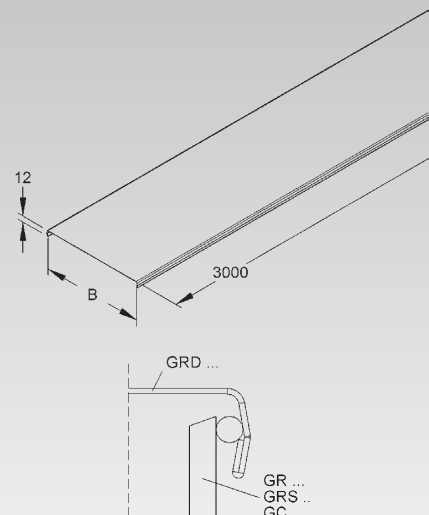
WIRE MESH TRAY SYSTEM

Snapon Cover for Wire Mesh Tray

	model no.	width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch			
S	GRD 40 S	38,5	1,5	0,75	42,40	2 x 3 m
S	GRD 60 S	58,5	2,3	0,75	54,12	2 x 3 m
S	GRD 100 S	98,5	3,9	0,75	76,99	2 x 3 m
S	GRD 150 S	148,5	5,8	0,75	106,43	2 x 3 m
S	GRD 200 S	198,5	7,8	0,75	135,87	2 x 3 m
S	GRD 300 S	298,5	11,8	0,90	233,78	2 x 3 m
S	GRD 400 S	398,5	15,7	0,90	304,29	2 x 3 m
F	GRD 40 F	38,5	1,5	0,75	46,60	2 x 3 m
F	GRD 60 F	58,5	2,3	0,75	59,53	2 x 3 m
F	GRD 100 F	98,5	3,9	0,75	84,69	2 x 3 m
F	GRD 150 F	148,5	5,8	0,75	117,07	2 x 3 m
F	GRD 200 F	198,5	7,8	0,75	149,46	2 x 3 m
F	GRD 300 F	298,5	11,8	0,75	257,15	2 x 3 m
F	GRD 400 F	398,5	15,7	0,75	334,72	2 x 3 m
E3	GRD 40 E3	38,5	1,5	0,80	45,50	2 x 3 m
E3	GRD 60 E3	58,5	2,3	0,80	58,13	2 x 3 m
E3	GRD 100 E3	98,5	3,9	0,80	82,67	2 x 3 m
E3	GRD 150 E3	148,5	5,8	0,80	114,27	2 x 3 m
E3	GRD 200 E3	198,5	7,8	0,80	145,87	2 x 3 m
E3	GRD 300 E3	298,5	11,8	0,80	209,07	2 x 3 m
E3	GRD 400 E3	398,5	15,7	0,80	272,03	2 x 3 m

with snapon mechanism for all GR... and GRS... wire mesh trays

These covers are intended for horizontal installations only. Please use special clamps (e.g. WA 25) to secure the cover in all vertical installations.



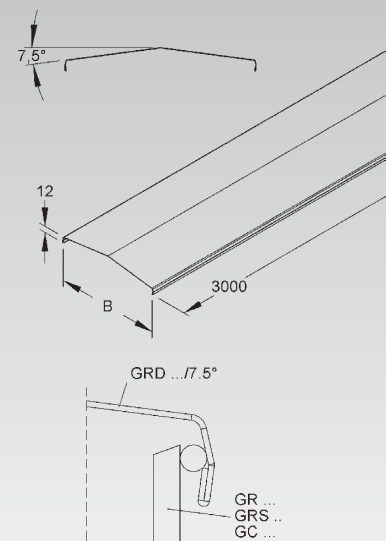
Peaked Snapon Cover for Wire Mesh Tray

with 7.5° pitch

	model no.	width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch			
S	GRD 40/7.5° S	38,5	1,5	0,75	42,40	2 x 3 m
S	GRD 60/7.5° S	58,5	2,3	0,75	54,30	2 x 3 m
S	GRD 100/7.5° S	98,5	3,9	0,75	77,30	2 x 3 m
S	GRD 150/7.5° S	148,5	5,8	0,75	107,00	2 x 3 m
S	GRD 200/7.5° S	198,5	7,8	0,75	136,69	2 x 3 m
S	GRD 300/7.5° S	298,5	11,8	0,90	235,51	2 x 3 m
S	GRD 400/7.5° S	398,5	15,7	0,90	306,77	2 x 3 m
F	GRD 40/7.5° F	38,5	1,5	0,75	46,60	2 x 3 m
F	GRD 60/7.5° F	58,5	2,3	0,75	59,70	2 x 3 m
F	GRD 100/7.5° F	98,5	3,9	0,75	85,03	2 x 3 m
F	GRD 150/7.5° F	148,5	5,8	0,75	117,70	2 x 3 m
F	GRD 200/7.5° F	198,5	7,8	0,75	150,36	2 x 3 m
F	GRD 300/7.5° F	298,5	11,8	0,90	259,06	2 x 3 m
F	GRD 400/7.5° F	398,5	15,7	0,90	337,45	2 x 3 m
E3	GRD 40/7.5° E3	38,5	1,5	0,80	45,50	2 x 3 m
E3	GRD 60/7.5° E3	58,5	2,3	0,80	58,30	2 x 3 m
E3	GRD 100/7.5° E3	98,5	3,9	0,80	83,01	2 x 3 m
E3	GRD 150/7.5° E3	148,5	5,8	0,80	114,89	2 x 3 m
E3	GRD 200/7.5° E3	198,5	7,8	0,80	146,76	2 x 3 m
E3	GRD 300/7.5° E3	298,5	11,8	0,80	210,50	2 x 3 m
E3	GRD 400/7.5° E3	398,5	15,7	0,80	274,25	2 x 3 m

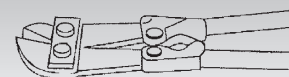
with snapon mechanism for all GR... and GRS... wire mesh trays

These covers are intended for horizontal installations only. Please use special clamps (e.g. WA 25) to secure the cover in all vertical installations.



Wire Mesh Bolt Cutter

	model no.	Weight per 100	Pack / Box Qty
		kg	
V	GTBS 500 V	258,8	1 pc.

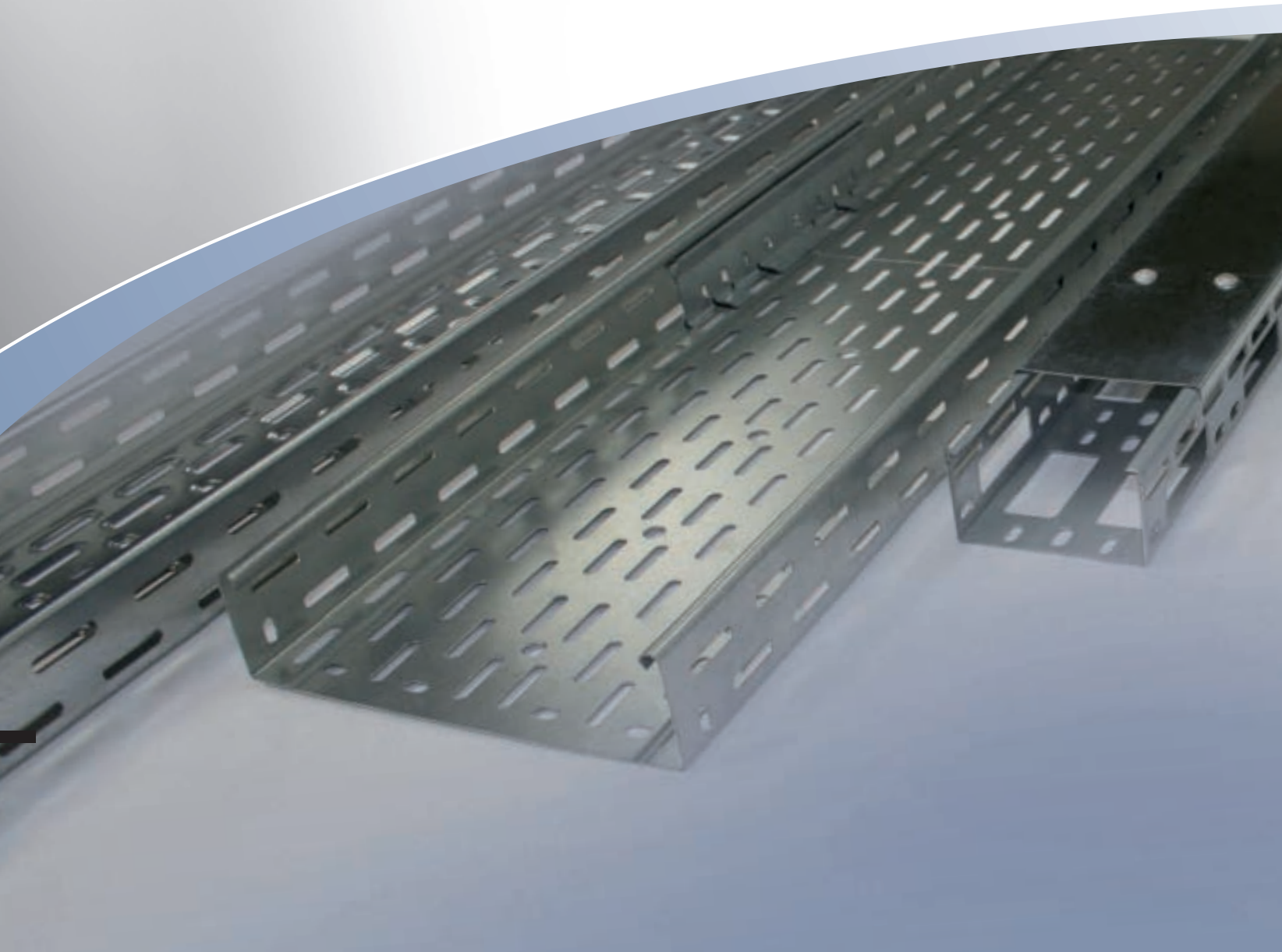


Splice Plate Requirements for Wire Mesh Basket Tray

Wire Mesh Tray Model	Number of Splices	Finish V - electroplated		Finish F - hot dip galvanized		Finish E3 - 304 stainless steel		Finish E5 - 316 stainless steel	
		Standard	Boltless	Standard	Boltless	Standard	Boltless	Standard	Boltless
GR 40.040	2	GRHKM 6x15 V	GRVS 4	GRHKM 6x15 F	GRVS 4 E3	GRHKM 6x15 E3	GRVS 4 E3	n/a	n/a
GR 60.100	2	n/a	n/a	n/a	n/a	GRHKM 6x15 E3	GRVS 4 E3	n/a	n/a
GR 60.150	2	n/a	n/a	n/a	n/a	GRHKM 6x15 E3	GRVS 4 E3	n/a	n/a
GR 60.200	2	n/a	n/a	n/a	n/a	GRHKM 6x15 E3	GRVS 4 E3	n/a	n/a
GR 60.300	3	n/a	n/a	n/a	n/a	GRHKM 6x15 E3	GRVS 4 E3	n/a	n/a
GRS 60.060	2	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.100	2	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.150	2	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.200	2	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.300	3	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.400	3	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.450	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.500	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 60.600	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.100	3	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.150	3	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.200	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.300	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.400	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.450	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.500	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 110.600	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.200	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.300	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.400	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.450	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.500	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5
GRS 160.600	4	GRHKM 6x15 V	GRVS 5	GRHKM 6x15 F	GRVS 5 E3	GRHKM 6x15 E3	GRVS 5 E3	GRHKM 6x15 E5	GRVS 4 E5

Two splices have to be installed on or close to the top lengthwire.

The third and fourth splice have to be uniformly distributed in the bottom section of the tray.



Cable Tray System

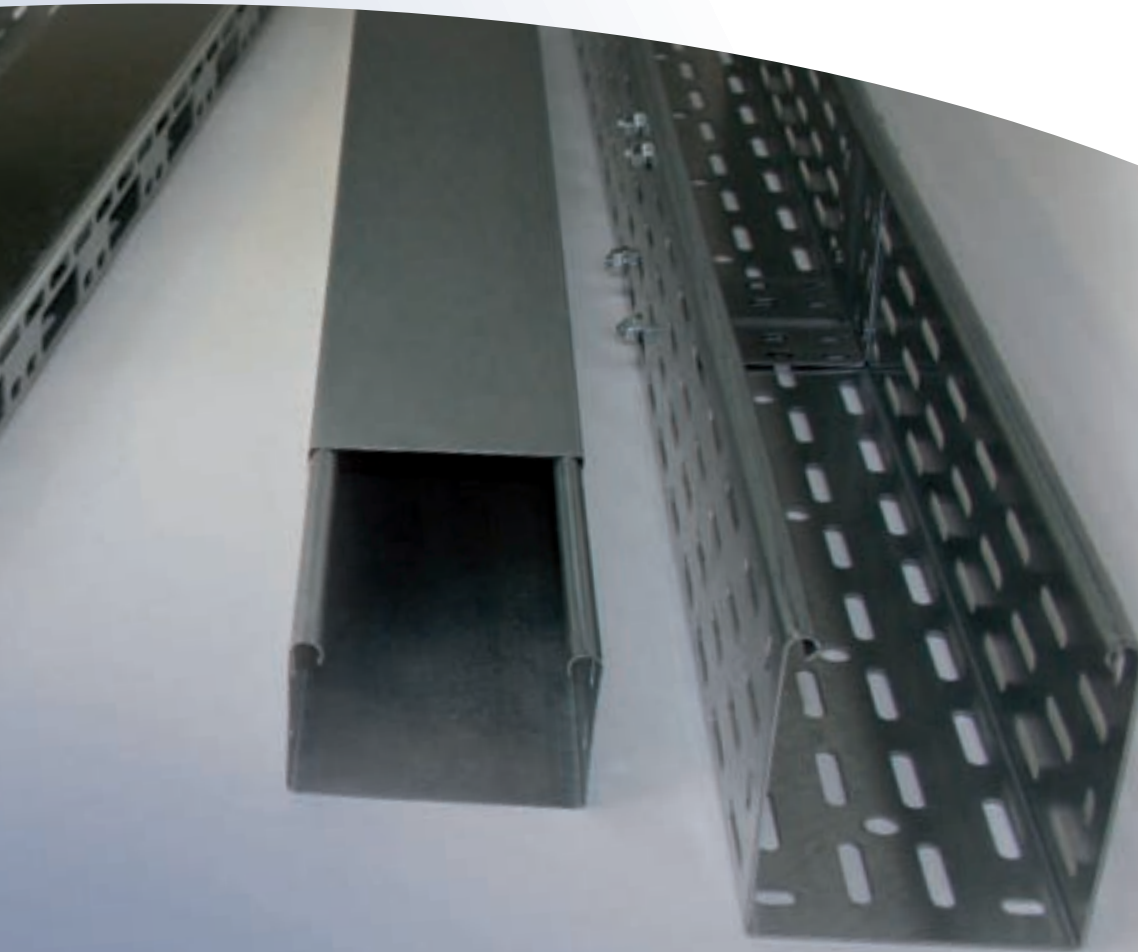
 Cable Tray

 Fittings

 Covers

 Barrier Strips

 Accessoires



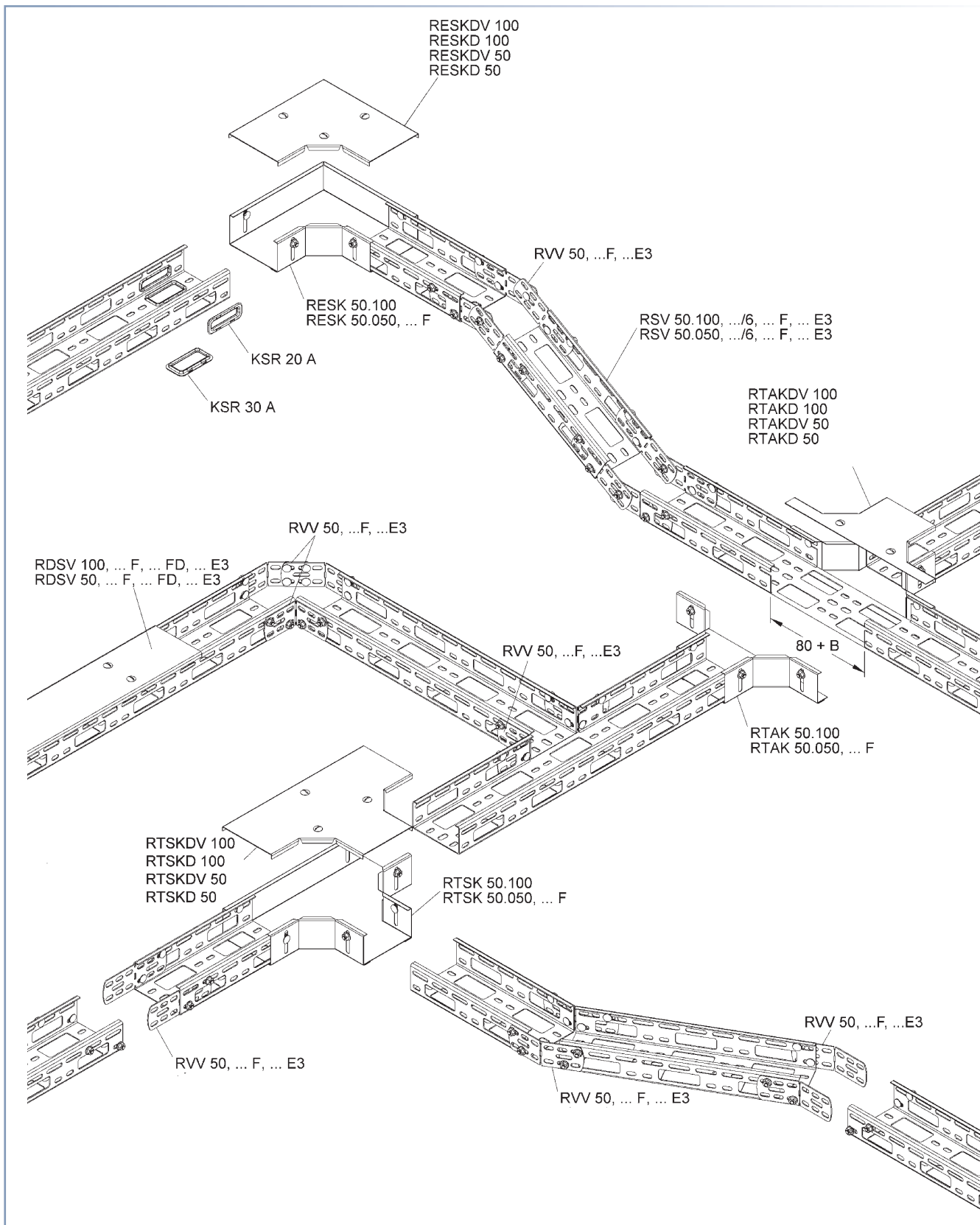
All straight sections of cable tray as well as their corresponding system components (fittings, splice plates, covers, ...) are classified by UL in accordance with NEMA VE 1 for the USA and CSA E22.2 No. 126.1 for Canada. Please add an 'X' after the first sequence of characters in the part number to 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).

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

CABLE TRAY SYSTEM

Available Side Rail Heights

SYSTEM	Mini Cable Tray	RL	Page 145
	Mini Cable Tray	RLU	Page 145
	Distribution Cable Tray	RSV	Page 146
	Edge Protection Ring	KSR...A	Page 147
ACCESSORIES	Cover for Mini Cable Tray	RD	Page 147
	Cover for Mini Cable Tray	RDV	Page 147
	Cover for Distribution Cable Tray	RDSV	Page 147
	Turn-bolt Lock	RDRS	Page 147/148
	Universal Splice Plate	RVV 50	Page 148
	Extension Horizontal Tee	RTAK	Page 148
	Cover for Horizontal Extension Tee	RTAKDV	Page 148
	Horizontal Elbow 90°	RESK	Page 148
	Cover for 90° Horizontal Elbow	RESKDV	Page 149
	Horizontal Tee	RTSK	Page 149
	Cover for Horizontal Tee	RTSKDV	Page 149



CABLE TRAY SYSTEM

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 AISI 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 be 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/RLCPVX/RLX/RLVX/RLUX, RSX/RSUX/RSVX series.

Mini Cable Tray

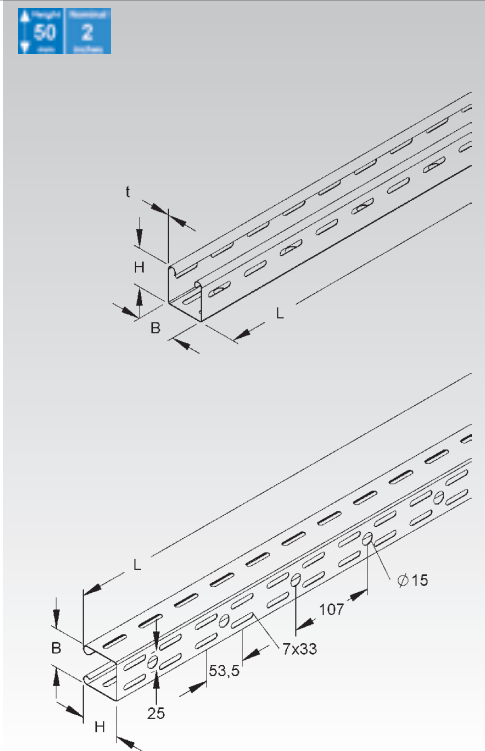
ventilated, with return flange

model no.	height H	width B	thick- ness t	length A	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm	mm Inch		
S RL 50.050	50 2	50 2	0,75	3000 118,1	114	2 x 3 m
S RL 50.050/6	50 2	50 2	0,75	6000 236,2	114	2 x 6 m

perforation allows easy mounting of splice plates and fittings

Centered punchholes allow hanging with M12 (1/2") threaded rod.

One RV... splice plate included with every piece of cable tray.

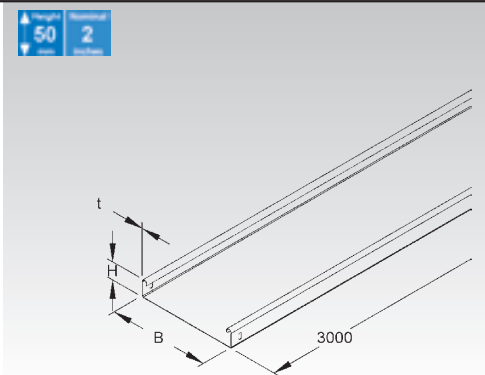


Mini Cable Tray

solid, splice plate included

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RLU 50.050	50 2	50 2	0,75	104,7	2 x 3 m

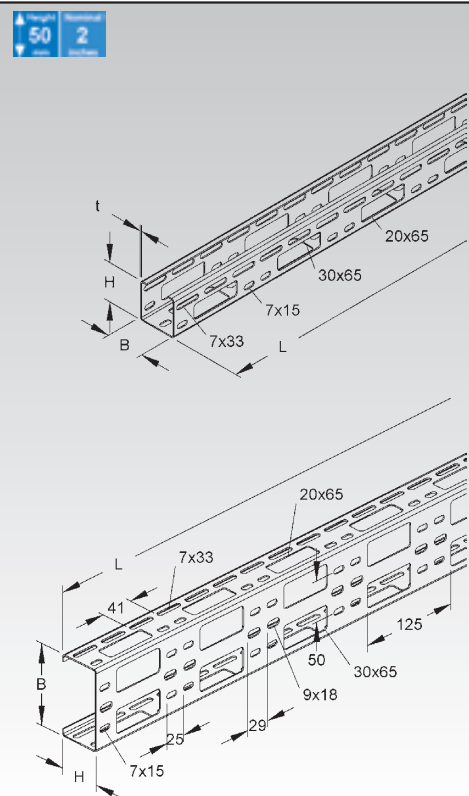
One RV... splice plate included with every piece of cable tray.



ventilated, with return flange

bottom and side plates 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

Spice plates are not included. Please order two RVV 50 per joint.



ventilated, with return flange

bottom and side plates 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

Spice plates are not included. Please order two RVV 50 per joint.

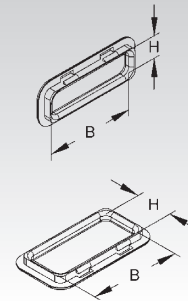
Edge Protection Ring

UV resistant

model no.	color	inside height H mm Inch	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
K04 KSR 20 A	black	14,5 0,6	58 2,3	0,32	20
K04 KSR 30 A	black	24,0 0,9	58 2,3	0,38	20

to protect cables at the knockouts of tray or surface metal raceways

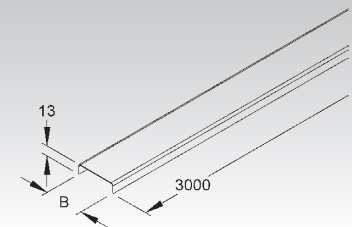
Suitable for: RSV 50... distribution cable tray



Cover for Mini Cable Tray

model no.	width B mm Inch	Weight per 100 m kg	Pack / Box Qty
S RD 50	50 2	43,5	2 x 3 m

Suitable for: RL... and RLU 50... tray

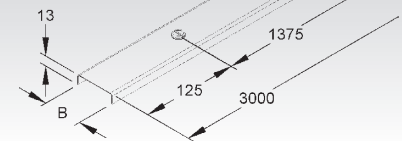


Cover for Mini Cable Tray

with turnbolt locks

model no.	width B mm Inch	Weight per 100 m kg	Pack / Box Qty
S RDV 50	50 2	44,2	2 x 3 m

Suitable for: RL... and RLU 50... tray



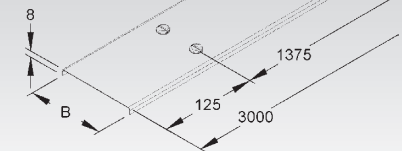
Cover for Distribution Cable Tray

with turnbolt locks

model no.	width B mm Inch	Weight per 100 m kg	Pack / Box Qty
S RDSV 50	50 2	38,6	2 x 3 m
S RDSV 100	100 3,9	68,3	2 x 3 m
F RDSV 50 F	50 2	42,8	2 x 3 m
F RDSV 100 F	100 3,9	75,9	2 x 3 m
E3 RDSV 50 E3	50 2	40,4	2 x 3 m
E3 RDSV 100 E3	100 3,9	74,0	2 x 3 m

Suitable for: distribution cable tray RSV 50... and RSV 100...

Please use turnbolt lock RDRS 2 for RDSV 100 covers and RDRS 2/50 for RDSV 50 covers.



Turn-bolt Lock

locking nut included

model no.	Weight per 100 pcs kg	Pack / Box Qty
S RDRS 2	1,3	100
E3 RDRS 2 E3	1,5	100

for field modifications of covers

Suitable for: distribution cable tray covers and fittings in 100 mm width

Turnbolt locks or cover clamps need to be installed at a minimum distance of 50 mm (2") from each end of the cover.



CABLE TRAY SYSTEM

Turn-bolt Lock

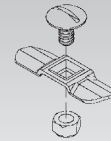
locking nut included

model no.	Weight per 100 pcs kg	Pack / Box Qty
S RDRS 2/50	1,3	100
E3 RDRS 2/50 E3	1,5	100

for field modifications of covers

Suitable for: distribution cable tray covers and fittings in 50 mm width

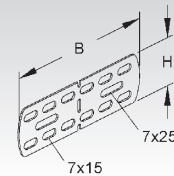
Turnbolt locks or cover clamps need to be installed at a minimum distance of 50 mm (2") from each end of the cover.



Universal Splice Plate

model no.	height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RVV 50	44 1,7	135 5,3	8,36	20
F RVV 50 F	44 1,7	135 5,3	7,00	20
E3 RVV 50 E3	44 1,7	135 5,3	7,00	20

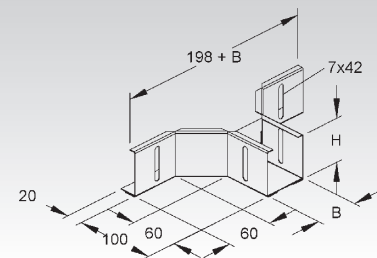
2 pieces required per joint



Extension Horizontal Tee

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RTAK 50.050	50 2	52 2	25,02	1
S RTAK 50.100	50 2	102 4	29,73	1
F RTAK 50.050 F	50 2	52 2	27,36	1

Suitable for: mini cable tray RL 50.050 and distribution cable trays RSV 50...



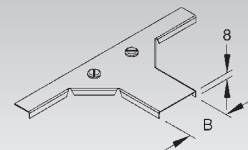
Cover for Horizontal Extension Tee

with turnbolt locks

model no.	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S RTAKDV 50	54 2,1	13,2	1
S RTAKDV 100	104 4,1	17,0	1

Suitable for: RTAK... horizontal extension tee

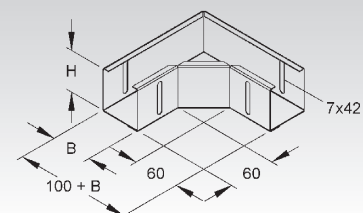
Hot-dip galvanized finish available on request.



Horizontal Elbow 90°

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RESK 50.050	50 2	52 2	31,99	1
S RESK 50.100	50 2	102 4	51,01	1
F RESK 50.050 F	50 2	52 2	35,03	1

Suitable for: mini cable tray RL 50.050 and distribution cable trays RSV 50...



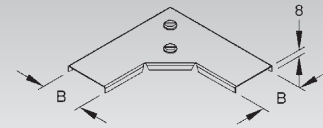
Cover for 90° Horizontal Elbow

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	RESKDV 50	54 2,1	16,8	1
S	RESKDV 100	104 4,1	32,0	1

Suitable for: RESK... horizontal 90° elbow

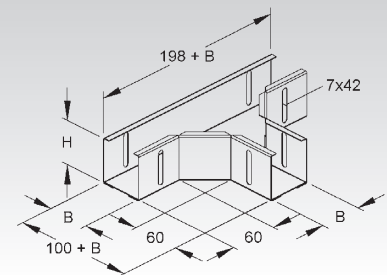
Hot-dip galvanized finish available on request.



Horizontal Tee

	model no.	height H mm Inch	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	RTSK 50.050	50 2	52 2	129	1
S	RTSK 50.100	50 2	102 4	170	1
F	RTSK 50.050 F	50 2	52 2	110	1

Suitable for: mini cable tray RL 50.050 and distribution cable trays RSV 50...



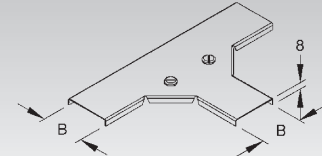
Cover for Horizontal Tee

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	RTSKDV 50	54 2,1	28,9	1
S	RTSKDV 100	104 4,1	40,1	1

Suitable for: RTSK... horizontal tee

Hot-dip galvanized finish available on request.

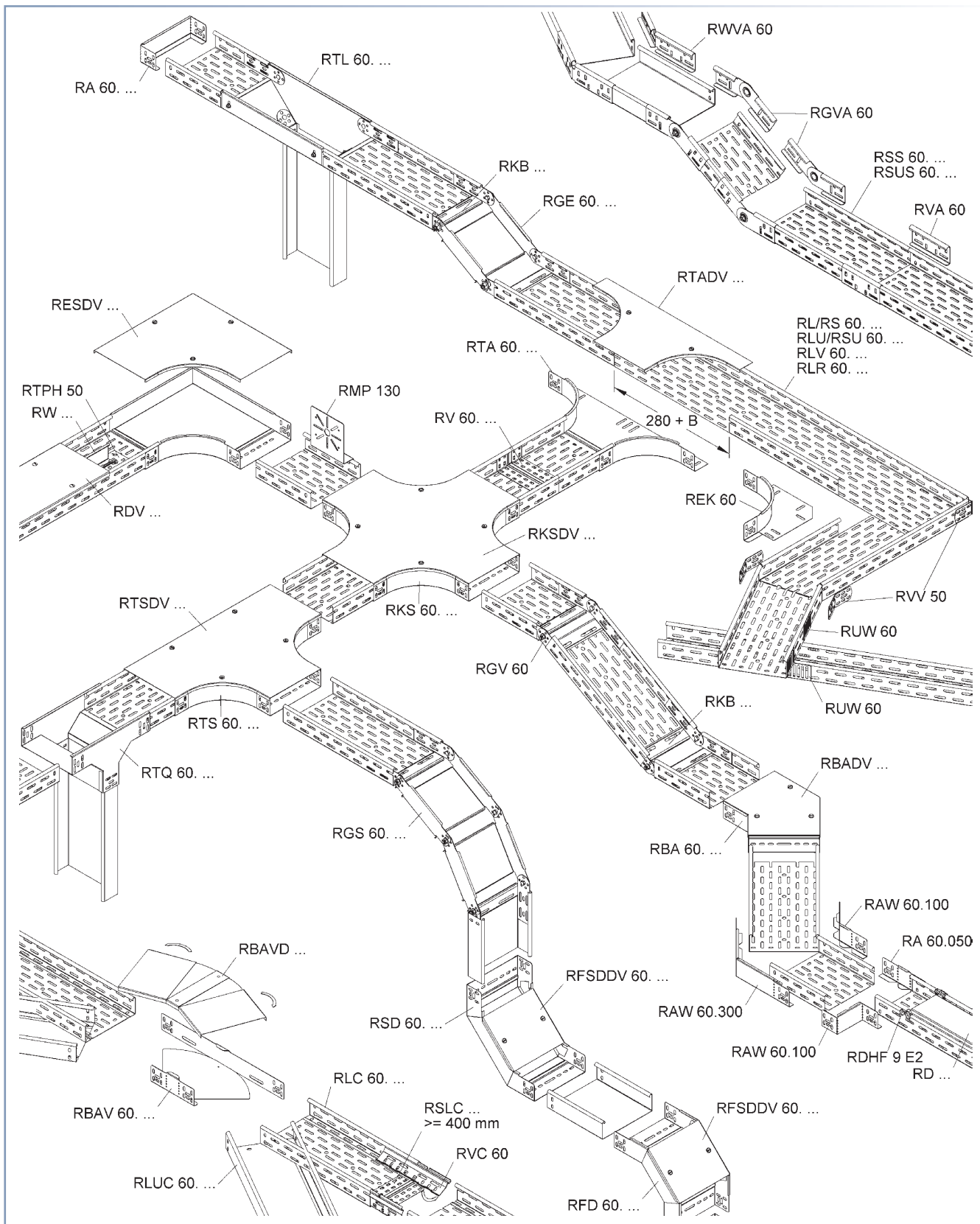


CABLE TRAY SYSTEM

Available Side Rail Heights

SYSTEM	Cable Tray	RLVC	Page 153
	Distribution Cable Tray	RLI	Page 153
	Cable Tray	RL	Page 154
	Cable Tray	RLU	Page 154
	Heavy Duty Cable Tray	RS	Page 155
	Heavy Duty Cable Tray	RSU	Page 155
ACCESSORIES	U-Shaped Splice Plate	RV	Page 156
	Universal Splice Plate	RVV 50	Page 156
	Barrier Strip	RW 50+60	Page 156
	Splice Plate for Barrier Strip	RTV 50+60	Page 156
	Mounting Plate for Barrier Strip	RTPH 50+M6	Page 157
	Extension Horizontal Tee	RTA	Page 158
	Horizontal Elbow Building Block	REK	Page 158
	Flexible Horizontal Elbow 0-90°	RBAV	Page 158
	Horizontal Elbow 45°	RBA	Page 159
	Horizontal Elbow 90°	RES	Page 159
	Horizontal Tee	RTS	Page 159
	Horizontal Cross	RKS	Page 160
	Reducer / Blind End	RA	Page 160
	Adjustable Horizontal Splice / Reducer / Blind End	RAW	Page 160
	Adjustable Vertical Splice Plate	RGV	Page 160
	Splice / Link Kit	RGE	Page 161
	Vertical Inside Elbow 90°	RSD	Page 161
	Vertical Outside Elbow 90°	RFD	Page 161
	Vertical Tee Down, lengthwise	RTL	Page 162
	Vertical Tee Down, crosswise	RTQ	Page 162
	Edge Protection Plate	RKB	Page 162

The covers of the cable tray system starting from page 190.



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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	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

Cable Tray

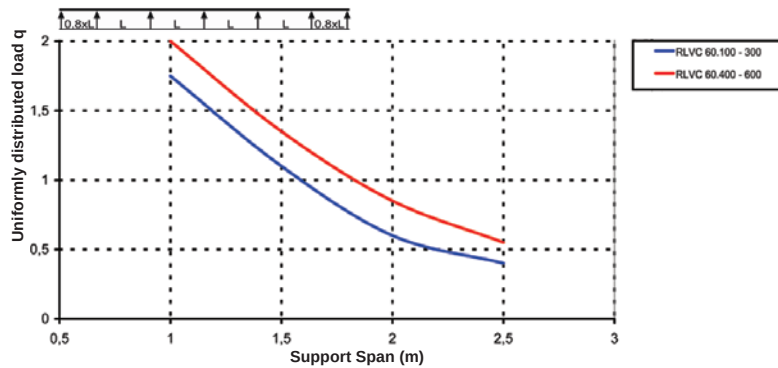
ventilated, with integrated molded splice plate

model no.		height H	width B	thick- ness t	Weight per 100	Pack / Box Qty
		mm Inch	mm Inch	mm	kg	
S	RLVC 60.100	60 2,4	100 3,9	0,75	128,53	2 x 3 m
S	RLVC 60.200	60 2,4	200 7,9	0,75	186,69	2 x 3 m
S	RLVC 60.300	60 2,4	300 11,8	0,75	243,15	2 x 3 m
S	RLVC 60.400	60 2,4	400 15,7	0,90	358,79	2 x 3 m
S	RLVC 60.500	60 2,4	500 19,7	0,90	425,75	2 x 3 m
S	RLVC 60.600	60 2,4	600 23,6	0,90	499,90	2 x 3 m
E3	RLVC 60.100 E3	60 2,4	100 3,9	0,80	138,31	2 x 3 m
E3	RLVC 60.200 E3	60 2,4	200 7,9	0,80	201,02	2 x 3 m
E3	RLVC 60.300 E3	60 2,4	300 11,8	0,80	261,85	2 x 3 m
E3	RLVC 60.400 E3	60 2,4	400 15,7	0,80	321,35	2 x 3 m
E3	RLVC 60.500 E3	60 2,4	500 19,7	0,80	381,25	2 x 3 m
E3	RLVC 60.600 E3	60 2,4	600 23,6	0,80	447,58	2 x 3 m

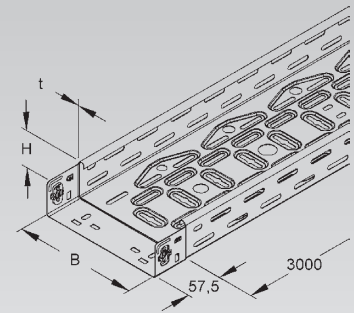
bottom plate and side rail perforated with staggered punch holes, extra row of centric punch holes (diameter 11 mm) in the bottom of the tray

Hole pattern may vary based on width of tray.

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



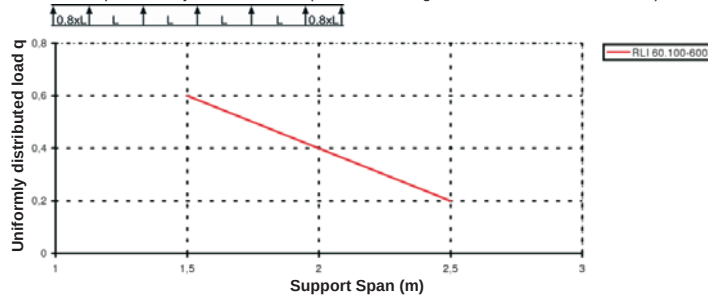
50



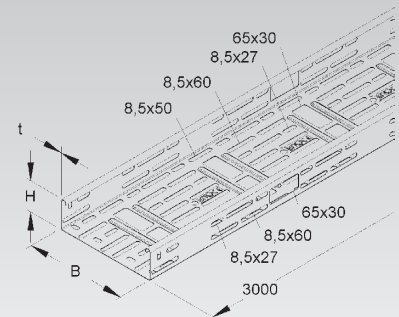
Distribution Cable Tray

model no.		height H	width B	thick- ness t	Weight per 100	Pack / Box Qty
		mm Inch	mm Inch	mm	kg	
S	RLI 60.100 S	60 2,4	100 3,9	0,9	135,17	2 x 3 m
S	RLI 60.200 S	60 2,4	200 7,9	0,9	188,96	2 x 3 m
S	RLI 60.300 S	60 2,4	300 11,8	1,0	268,53	2 x 3 m
S	RLI 60.400 S	60 2,4	400 15,7	1,0	322,74	2 x 3 m
S	RLI 60.500 S	60 2,4	500 19,7	1,0	369,20	2 x 3 m
S	RLI 60.600 S	60 2,4	600 23,6	1,0	423,30	2 x 3 m

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



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CABLE TRAY SYSTEM

Cable Tray

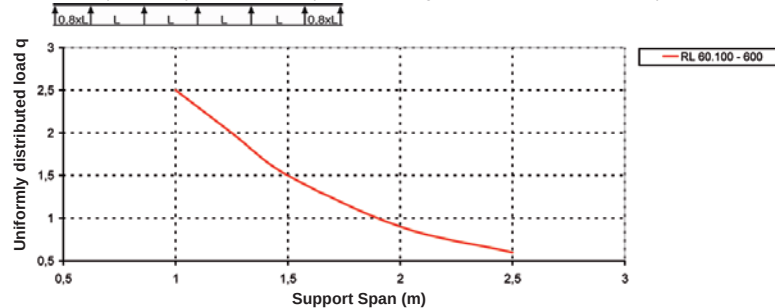
ventilated

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RL 60.100	60	2,4	100	3,9	0,9	159,00	2 x 3 m
S	RL 60.150	60	2,4	150	5,9	0,9	187,00	2 x 3 m
S	RL 60.200	60	2,4	200	7,9	0,9	216,03	2 x 3 m
S	RL 60.300	60	2,4	300	11,8	1,0	306,06	2 x 3 m
S	RL 60.400	60	2,4	400	15,7	1,0	364,00	2 x 3 m
S	RL 60.500	60	2,4	500	19,7	1,0	450,00	2 x 3 m
S	RL 60.600	60	2,4	600	23,6	1,0	530,00	2 x 3 m
F	RL 60.100 F	60	2,4	100	3,9	0,9	170,04	2 x 3 m
F	RL 60.150 F	60	2,4	150	5,9	0,9	187,00	2 x 3 m
F	RL 60.200 F	60	2,4	200	7,9	0,9	237,08	2 x 3 m
F	RL 60.300 F	60	2,4	300	11,8	1,0	336,75	2 x 3 m
F	RL 60.400 F	60	2,4	400	15,7	1,0	372,39	2 x 3 m
F	RL 60.500 F	60	2,4	500	19,7	1,0	485,96	2 x 3 m
F	RL 60.600 F	60	2,4	600	23,6	1,0	560,20	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.
Bottom plate and side rail perforated with staggered punch holes.

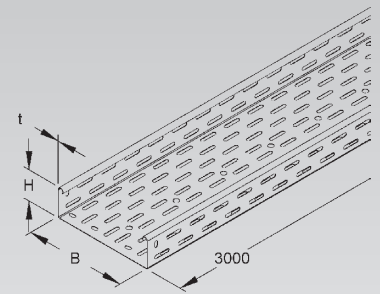
One RV... splice plate included with every piece of cable tray.

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



Height
60
mm

Nominal
2 3/8
inches



Cable Tray

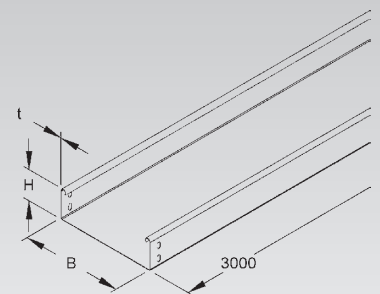
solid, but with splice plate perforation

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RLU 60.100	60	2,4	100	3,9	0,9	178,40	2 x 3 m
S	RLU 60.150	60	2,4	150	5,9	0,9	214,75	2 x 3 m
S	RLU 60.200	60	2,4	200	7,9	0,9	251,10	2 x 3 m
S	RLU 60.300	60	2,4	300	11,8	1,0	358,60	2 x 3 m
S	RLU 60.400	60	2,4	400	15,7	1,0	439,63	2 x 3 m
S	RLU 60.500	60	2,4	500	19,7	1,0	520,18	2 x 3 m
S	RLU 60.600	60	2,4	600	23,6	1,0	600,73	2 x 3 m
F	RLU 60.100 F	60	2,4	100	3,9	0,9	196,37	2 x 3 m
F	RLU 60.200 F	60	2,4	200	7,9	0,9	276,38	2 x 3 m
F	RLU 60.300 F	60	2,4	300	11,8	1,0	394,68	2 x 3 m
F	RLU 60.400 F	60	2,4	400	15,7	1,0	483,87	2 x 3 m
F	RLU 60.500 F	60	2,4	500	19,7	1,0	572,52	2 x 3 m
F	RLU 60.600 F	60	2,4	600	23,6	1,0	661,16	2 x 3 m
E3	RLU 60.100 E3	60	2,4	100	3,9	0,8	159,00	2 x 3 m
E3	RLU 60.200 E3	60	2,4	200	7,9	0,8	215,00	2 x 3 m
E3	RLU 60.300 E3	60	2,4	300	11,8	0,8	292,00	2 x 3 m
E3	RLU 60.400 E3	60	2,4	400	15,7	0,8	352,00	2 x 3 m
E3	RLU 60.500 E3	60	2,4	500	19,7	0,9	472,00	2 x 3 m
E3	RLU 60.600 E3	60	2,4	600	23,6	0,9	539,00	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
60
mm

Nominal
2 3/8
inches



Heavy Duty Cable Tray

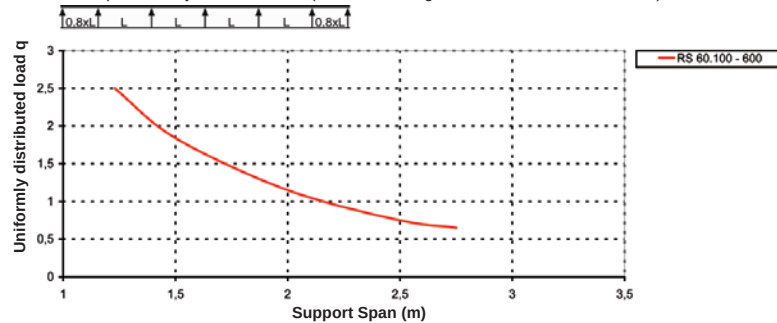
ventilated

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RS 60.100	60	2,4	100	3,9	1,5	249,60	2 x 3 m
S	RS 60.200	60	2,4	200	7,9	1,5	349,94	2 x 3 m
S	RS 60.300	60	2,4	300	11,8	1,5	450,74	2 x 3 m
S	RS 60.400	60	2,4	400	15,7	1,5	551,56	2 x 3 m
S	RS 60.500	60	2,4	500	19,7	1,5	652,07	2 x 3 m
S	RS 60.600	60	2,4	600	23,6	1,5	787,00	2 x 3 m
F	RS 60.100 F	60	2,4	100	3,9	1,5	274,67	2 x 3 m
F	RS 60.200 F	60	2,4	200	7,9	1,5	384,99	2 x 3 m
F	RS 60.300 F	60	2,4	300	11,8	1,5	495,90	2 x 3 m
F	RS 60.400 F	60	2,4	400	15,7	1,5	606,82	2 x 3 m
F	RS 60.500 F	60	2,4	500	19,7	1,5	717,13	2 x 3 m
F	RS 60.600 F	60	2,4	600	23,6	1,5	827,45	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.
Bottom plate and side rail perforated with staggered punch holes.

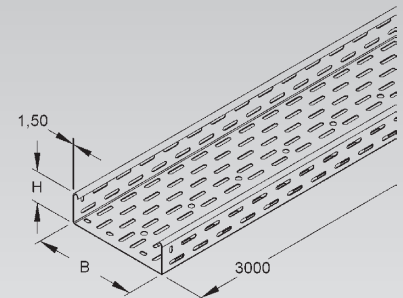
One RV... splice plate included with every piece of cable tray.

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



Height
60
mm

Nominal
2 3/8
inches



Heavy Duty Cable Tray

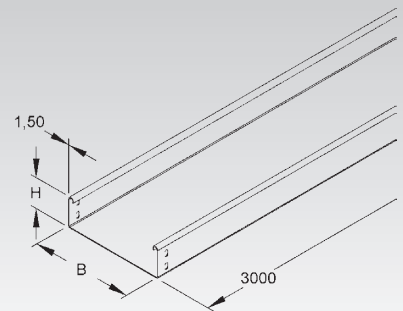
solid, but with splice plate perforation

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RSU 60.100	60	2,4	100	3,9	1,5	289,84	2 x 3 m
S	RSU 60.200	60	2,4	200	7,9	1,5	409,66	2 x 3 m
S	RSU 60.300	60	2,4	300	11,8	1,5	529,92	2 x 3 m
S	RSU 60.400	60	2,4	400	15,7	1,5	650,21	2 x 3 m
S	RSU 60.500	60	2,4	500	19,7	1,5	770,00	2 x 3 m
S	RSU 60.600	60	2,4	600	23,6	1,5	889,79	2 x 3 m
F	RSU 60.100 F	60	2,4	100	3,9	1,5	318,60	2 x 3 m
F	RSU 60.200 F	60	2,4	200	7,9	1,5	450,36	2 x 3 m
F	RSU 60.300 F	60	2,4	300	11,8	1,5	582,66	2 x 3 m
F	RSU 60.400 F	60	2,4	400	15,7	1,5	714,85	2 x 3 m
F	RSU 60.500 F	60	2,4	500	19,7	1,5	846,64	2 x 3 m
F	RSU 60.600 F	60	2,4	600	23,6	1,5	978,41	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
60
mm

Nominal
2 3/8
inches



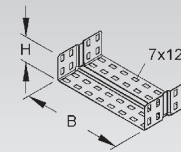
CABLE TRAY SYSTEM

U-shaped Splice Plate

model no.		height H	width B	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RV 60.100	49 1,9	96 3,8	17,64	1
S	RV 60.150	49 1,9	146 5,7	20,71	1
S	RV 60.200	49 1,9	196 7,7	25,37	1
S	RV 60.300	49 1,9	296 11,7	31,51	1
F	RV 60.100 F	49 1,9	96 3,8	19,56	1
F	RV 60.200 F	49 1,9	196 7,7	28,11	1
F	RV 60.300 F	49 1,9	296 11,7	34,86	1
E3	RV 60.100 E3	49 1,9	96 3,8	18,59	1
E3	RV 60.200 E3	49 1,9	196 7,7	26,58	1
E3	RV 60.300 E3	49 1,9	296 11,7	32,76	1

Suitable for: RL/RS... cable trays

Height
60
mm
Nominal
2 3/8
inches

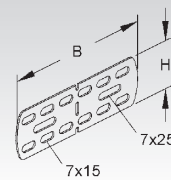


Universal Splice Plate

model no.		height H	width B	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RVV 50	44 1,7	135 5,3	8,36	20
F	RVV 50 F	44 1,7	135 5,3	7,00	20
E3	RVV 50 E3	44 1,7	135 5,3	7,00	20
E5	RVV 50 E5	44 1,7	135 5,3	7,00	20

2 pieces required per joint

Height
50
mm
Nominal
2
inches



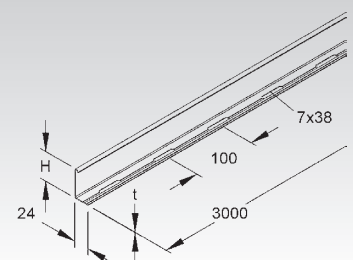
Barrier Strip

model no.		height H	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm		
S	RW 50	47 1,9	0,75	44,62	10 x 3 m
S	RW 60	55 2,2	0,75	49,85	10 x 3 m
F	RW 60 F	55 2,2	0,75	54,73	10 x 3 m
E3	RW 50 E3	47 1,9	0,80	46,53	10 x 3 m
E3	RW 60 E3	55 2,2	0,80	53,32	10 x 3 m

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

Height
50
mm
Nominal
2
inches

Height
60
mm
Nominal
2 3/8
inches



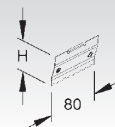
Splice Plate for Barrier Strip

model no.		height H	length A	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
E2	RTV 50 E2	46,5 1,8	80 3,1	1,18	20
E2	RTV 60 E2	54,5 2,1	80 3,1	1,39	20

for positive locking connections and proper bonding of barrier strips

Height
60
mm
Nominal
2 3/8
inches

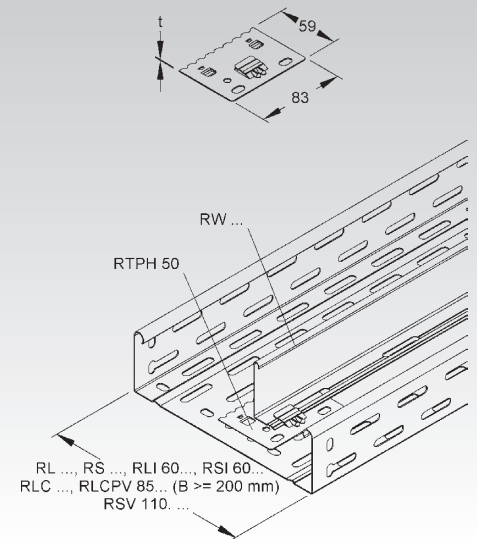
Height
50
mm
Nominal
2
inches



Mounting Plate for Barrier Strip

model no.	length A		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch			
S RTPH 50	83	3,3	59	2,3	0,9	4	20

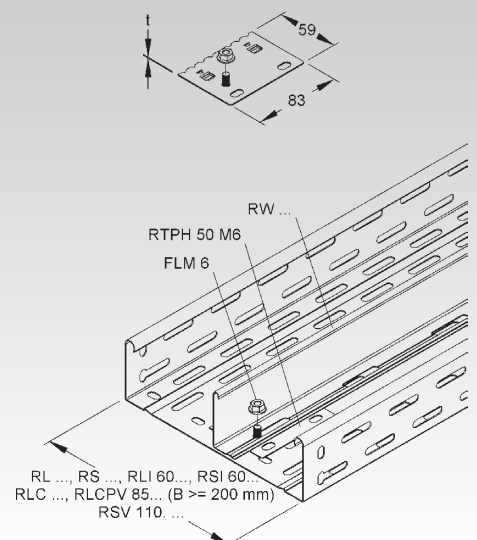
Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays.



Mounting Plate for Barrier Strip with M6 Stud

model no.	length A		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch			
S RTPH 50 M6	83	3,3	59	2,3	0,9	3,4	50

Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays. With M6 locking stud.



CABLE TRAY SYSTEM

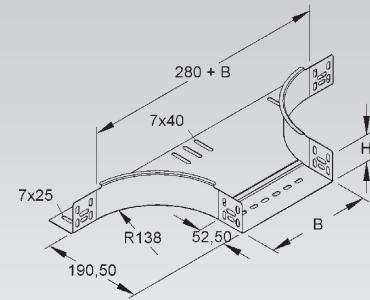
Extension Horizontal Tee

with integrated splice

model no.		height H	inside dimension (B)	Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RTA 60.100	60 2,4	102 4	78,00	1
S	RTA 60.150	60 2,4	152 6	86,50	1
S	RTA 60.200	60 2,4	202 8	94,90	1
S	RTA 60.300	60 2,4	302 11,9	111,90	1
S	RTA 60.400	60 2,4	402 15,8	129,10	1
S	RTA 60.500	60 2,4	502 19,8	145,50	1
S	RTA 60.600	60 2,4	602 23,7	162,40	1
F	RTA 60.100 F	60 2,4	102 4	85,00	1
F	RTA 60.150 F	60 2,4	152 6	94,40	1
F	RTA 60.200 F	60 2,4	202 8	104,63	1
F	RTA 60.300 F	60 2,4	302 11,9	122,30	1
F	RTA 60.400 F	60 2,4	402 15,8	141,20	1
F	RTA 60.500 F	60 2,4	502 19,8	159,30	1
F	RTA 60.600 F	60 2,4	602 23,7	177,80	1
E3	RTA 60.100 E3	60 2,4	102 4	70,70	1
E3	RTA 60.200 E3	60 2,4	202 8	85,70	1
E3	RTA 60.300 E3	60 2,4	302 11,9	100,90	1
E3	RTA 60.400 E3	60 2,4	402 15,8	135,60	1
E3	RTA 60.500 E3	60 2,4	502 19,8	154,00	1
E3	RTA 60.600 E3	60 2,4	602 23,7	173,00	1

Height
60
mm

Nominal
2 3/8
inches



Horizontal Elbow Building Block

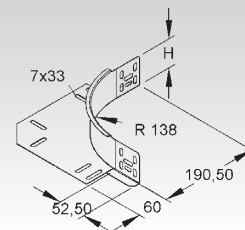
with integrated splice

model no.		height H	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		
S	REK 60	60 2,4	37,60	10
F	REK 60 F	60 2,4	40,10	10
E3	REK 60 E3	60 2,4	34,73	10
E5	REK 60 E5	60 2,4	34,40	10

for building customized horizontal cable tray fittings

Height
60
mm

Nominal
2 3/8
inches



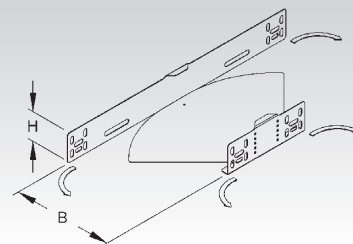
Flexible Horizontal Elbow 0-90°

with integrated splice

model no.		height H	inside dimension (B)	Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RBAV 60.100	60 2,4	100 3,9	44,8	1
S	RBAV 60.150	60 2,4	150 5,9	58,8	1
S	RBAV 60.200	60 2,4	200 7,9	74,4	1
S	RBAV 60.300	60 2,4	300 11,8	116,1	1
S	RBAV 60.400	60 2,4	400 15,7	167,8	1
S	RBAV 60.500	60 2,4	500 19,7	237,8	1
S	RBAV 60.600	60 2,4	600 23,6	316,1	1

Height
60
mm

Nominal
2 3/8
inches

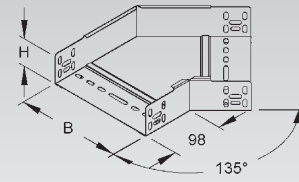


Horizontal Elbow 45°

with integrated splice

model no.		height H		inside dimension (B)		Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RBA 60.100	60	2,4	102	4	42,90	1
S	RBA 60.150	60	2,4	152	6	57,00	1
S	RBA 60.200	60	2,4	202	8	72,80	1
S	RBA 60.300	60	2,4	302	11,9	109,10	1
S	RBA 60.400	60	2,4	402	15,8	152,10	1
S	RBA 60.500	60	2,4	502	19,8	201,50	1
S	RBA 60.600	60	2,4	602	23,7	257,50	1
F	RBA 60.100 F	60	2,4	102	4	50,14	1
F	RBA 60.150 F	60	2,4	152	6	46,00	1
F	RBA 60.200 F	60	2,4	202	8	83,61	1
F	RBA 60.300 F	60	2,4	302	11,9	117,40	1
F	RBA 60.400 F	60	2,4	402	15,8	163,60	1
F	RBA 60.500 F	60	2,4	502	19,8	216,60	1
F	RBA 60.600 F	60	2,4	602	23,7	276,80	1

Height
60 mm
Nominal
2 3/8 inches

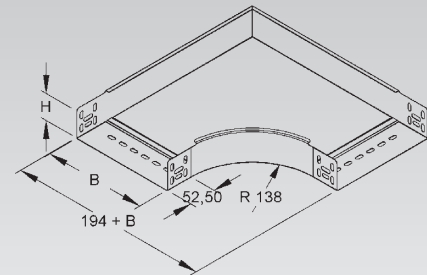


Horizontal Elbow 90°

with integrated splice

model no.		height H		inside dimension (B)		Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RES 60.100	60	2,4	102	4	87,50	1
S	RES 60.150	60	2,4	152	6	115,70	1
S	RES 60.200	60	2,4	202	8	156,80	1
S	RES 60.300	60	2,4	302	11,9	237,70	1
S	RES 60.400	60	2,4	402	15,8	333,80	1
S	RES 60.500	60	2,4	502	19,8	446,10	1
S	RES 60.600	60	2,4	602	23,7	574,00	1
F	RES 60.100 F	60	2,4	102	4	99,42	1
F	RES 60.150 F	60	2,4	152	6	125,00	1
F	RES 60.200 F	60	2,4	202	8	176,54	1
F	RES 60.300 F	60	2,4	302	11,9	265,49	1
F	RES 60.400 F	60	2,4	402	15,8	358,90	1
F	RES 60.500 F	60	2,4	502	19,8	479,50	1
F	RES 60.600 F	60	2,4	602	23,7	617,10	1
E3	RES 60.100 E3	60	2,4	102	4	81,08	1
E3	RES 60.200 E3	60	2,4	202	8	135,39	1
E3	RES 60.300 E3	60	2,4	302	11,9	201,53	1
E3	RES 60.400 E3	60	2,4	402	15,8	280,78	1
E3	RES 60.500 E3	60	2,4	502	19,8	372,20	1
E3	RES 60.600 E3	60	2,4	602	23,7	476,26	1

Height
60 mm
Nominal
2 3/8 inches

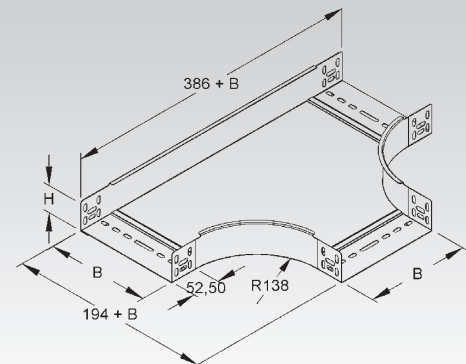


Horizontal Tee

with integrated splice

model no.		height H		inside dimension (B)		Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RTS 60.100	60	2,4	102	4	115,40	1
S	RTS 60.150	60	2,4	152	6	147,20	1
S	RTS 60.200	60	2,4	202	8	195,40	1
S	RTS 60.300	60	2,4	302	11,9	294,80	1
S	RTS 60.400	60	2,4	402	15,8	399,68	1
S	RTS 60.500	60	2,4	502	19,8	511,90	1
S	RTS 60.600	60	2,4	602	23,7	648,80	1
F	RTS 60.100 F	60	2,4	102	4	133,41	1
F	RTS 60.150 F	60	2,4	152	6	159,00	1
F	RTS 60.200 F	60	2,4	202	8	210,00	1
F	RTS 60.300 F	60	2,4	302	11,9	322,62	1
F	RTS 60.400 F	60	2,4	402	15,8	420,00	1
F	RTS 60.500 F	60	2,4	502	19,8	550,30	1
F	RTS 60.600 F	60	2,4	602	23,7	697,50	1

Height
60 mm
Nominal
2 3/8 inches



CABLE TRAY SYSTEM

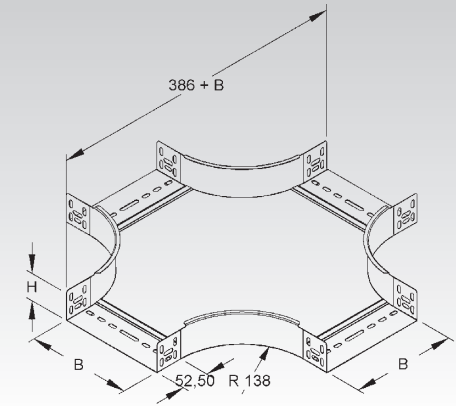
Horizontal Cross

with integrated splice

model no.		height H	inside dimension (B)	Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RKS 60.100	60 2,4	102 4	159,37	1
S	RKS 60.150	60 2,4	152 6	190,20	1
S	RKS 60.200	60 2,4	202 8	233,70	1
S	RKS 60.300	60 2,4	302 11,9	332,40	1
S	RKS 60.400	60 2,4	402 15,8	446,90	1
S	RKS 60.500	60 2,4	502 19,8	577,10	1
S	RKS 60.600	60 2,4	602 23,7	722,90	1
F	RKS 60.100 F	60 2,4	102 4	161,90	1
F	RKS 60.150 F	60 2,4	152 6	205,00	1
F	RKS 60.200 F	60 2,4	202 8	251,20	1
F	RKS 60.300 F	60 2,4	302 11,9	357,40	1
F	RKS 60.400 F	60 2,4	402 15,8	480,40	1
F	RKS 60.500 F	60 2,4	502 19,8	620,30	1
F	RKS 60.600 F	60 2,4	602 23,7	777,10	1

Height
60
mm

Nominal
2 3/8
inches

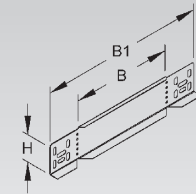


Reducer / Blind End

model no.		height H	width B	width B1	Weight per 100 pcs/pc. kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch		
S	RA 60.050	60 2,4	50 2	172	11,1	20
S	RA 60.150	60 2,4	150 5,9	272	17,0	20
S	RA 60.200	60 2,4	200 7,9	322	19,9	20
S	RA 60.400	60 2,4	400 15,7	522	31,8	20
S	RA 60.500	60 2,4	500 19,7	622	37,7	20
S	RA 60.600	60 2,4	600 23,6	722	43,7	20
F	RA 60.150 F	60 2,4	150 5,9	272	18,4	1
F	RA 60.200 F	60 2,4	200 7,9	322	21,6	1
F	RA 60.400 F	60 2,4	400 15,7	522	34,7	1
F	RA 60.500 F	60 2,4	500 19,7	622	41,2	1
F	RA 60.600 F	60 2,4	600 23,6	722	47,7	1
E3	RA 60.200 E3	60 2,4	200 7,9	322	18,1	20
E3	RA 60.400 E3	60 2,4	400 15,7	522	32,0	20
E3	RA 60.500 E3	60 2,4	500 19,7	622	39,0	20
E3	RA 60.600 E3	60 2,4	600 23,6	722	46,0	20

Height
60
mm

Nominal
2 3/8
inches



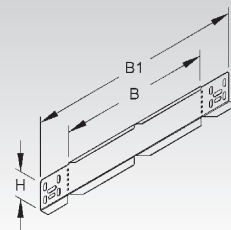
can be used as blind end or as reducer for cable trays

Adjustable Horizontal Splice / Reducer / Blind End

model no.		height H	width B	width B1	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch		
S	RAW 60.100	60 2,4	100 3,9	222	13,00	20
S	RAW 60.300	60 2,4	300 11,8	422	25,76	20
F	RAW 60.100 F	60 2,4	100 3,9	222	14,80	1
F	RAW 60.300 F	60 2,4	300 11,8	422	26,00	1
E3	RAW 60.100 E3	60 2,4	100 3,9	222	13,00	20
E3	RAW 60.300 E3	60 2,4	300 11,8	422	26,00	20

Height
60
mm

Nominal
2 3/8
inches



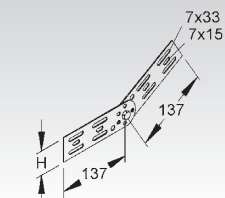
adjustable horizontal splice plate for solid and ventilated cable tray
can be used as blind end or as reducer for cable trays

Adjustable Vertical Splice Plate

model no.		height H	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		
S	RGV 60	47 1,9	19,23	50
F	RGV 60 F	47 1,9	20,58	50
E3	RGV 60 E3	47 1,9	14,38	20

Height
60
mm

Nominal
2 3/8
inches



2 pieces required per joint

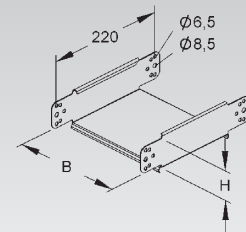
Splice / Link Kit

model no.	height H		width B		Weight per 100 pcs/pc. kg	Pack / Box Qty
	mm	Inch	mm	Inch		
S RGE 60.100	60	2,4	100	3,9	52,51	1
S RGE 60.150	60	2,4	150	5,9	57,65	1
S RGE 60.200	60	2,4	200	7,9	62,79	1
S RGE 60.300	60	2,4	300	11,8	73,07	1
S RGE 60.400	60	2,4	400	15,7	83,35	1
S RGE 60.500	60	2,4	500	19,7	93,63	1
S RGE 60.600	60	2,4	600	23,6	103,91	1
F RGE 60.100 F	60	2,4	100	3,9	57,42	1
F RGE 60.150 F	60	2,4	150	5,9	63,07	1
F RGE 60.200 F	60	2,4	200	7,9	68,73	1
F RGE 60.300 F	60	2,4	300	11,8	80,03	1
F RGE 60.400 F	60	2,4	400	15,7	91,34	1
F RGE 60.500 F	60	2,4	500	19,7	102,65	1
F RGE 60.600 F	60	2,4	600	23,6	113,96	1

for linking sections of tray with a vertical displacement

Height
60
mm

Nominal
2 3/8
inches



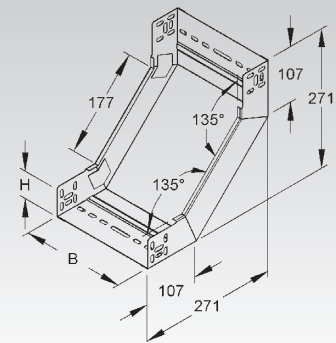
Vertical Inside Elbow 90°

with integrated splice

model no.	height H		inside dimension (B)		Weight per 100 pcs/pc. kg	Pack / Box Qty
	mm	Inch	mm	Inch		
S RSD 60.100	60	2,4	102	4	84,90	1
S RSD 60.150	60	2,4	152	6	102,10	1
S RSD 60.200	60	2,4	202	8	119,30	1
S RSD 60.300	60	2,4	302	11,9	153,70	1
S RSD 60.400	60	2,4	402	15,8	194,35	1
S RSD 60.500	60	2,4	502	19,8	222,50	1
S RSD 60.600	60	2,4	602	23,7	256,90	1
F RSD 60.100 F	60	2,4	102	4	98,56	1
F RSD 60.200 F	60	2,4	202	8	105,20	1
F RSD 60.300 F	60	2,4	302	11,9	133,90	1
F RSD 60.400 F	60	2,4	402	15,8	162,80	1
F RSD 60.500 F	60	2,4	502	19,8	191,60	1
F RSD 60.600 F	60	2,4	602	23,7	220,30	1

Height
60
mm

Nominal
2 3/8
inches



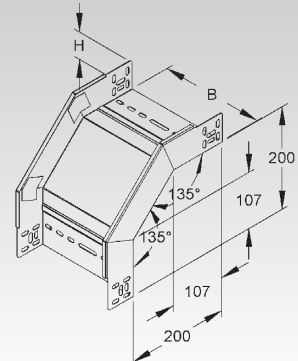
Vertical Outside Elbow 90°

with integrated splice

model no.	height H		inside dimension (B)		Weight per 100 pcs/pc. kg	Pack / Box Qty
	mm	Inch	mm	Inch		
S RFD 60.100	60	2,4	102	4	71,10	1
S RFD 60.150	60	2,4	152	6	84,50	1
S RFD 60.200	60	2,4	202	8	97,90	1
S RFD 60.300	60	2,4	302	11,9	124,60	1
S RFD 60.400	60	2,4	402	15,8	157,67	1
S RFD 60.500	60	2,4	502	19,8	178,20	1
S RFD 60.600	60	2,4	602	23,7	204,90	1
F RFD 60.100 F	60	2,4	102	4	83,44	1
F RFD 60.200 F	60	2,4	202	8	113,77	1
F RFD 60.300 F	60	2,4	302	11,9	165,20	1
F RFD 60.400 F	60	2,4	402	15,8	202,20	1
F RFD 60.500 F	60	2,4	502	19,8	239,20	1
F RFD 60.600 F	60	2,4	602	23,7	276,20	1

Height
60
mm

Nominal
2 3/8
inches



CABLE TRAY SYSTEM

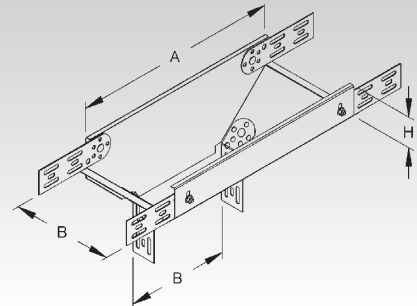
Vertical Tee Down, lengthwise

with integrated splice

model no.	height H	width B	length A	Weight per 100 pcs/pc. kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch		
S RTL 60.100	60 2,4	100 3,9	201 7,9	100	1
S RTL 60.150	60 2,4	150 5,9	251 9,9	119	1
S RTL 60.200	60 2,4	200 7,9	401 15,8	200	1
S RTL 60.300	60 2,4	300 11,8	701 27,6	438	1
S RTL 60.400	60 2,4	400 15,7	801 31,5	557	1
S RTL 60.500	60 2,4	500 19,7	901 35,5	691	1
S RTL 60.600	60 2,4	600 23,6	1001 39,4	841	1

Size of run and tap tray is identical.

Height
60
mm
Nominal
2 3/8
inches



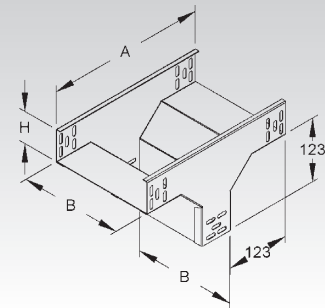
Vertical Tee Down, crosswise

with integrated splice

model no.	height H	width B	length A	Weight per 100 pcs/pc. kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch		
S RTQ 60.100	60 2,4	100 3,9	311 12,2	98,12	1
S RTQ 60.150	60 2,4	150 5,9	311 12,2	115,40	1
S RTQ 60.200	60 2,4	200 7,9	311 12,2	134,28	1
S RTQ 60.300	60 2,4	300 11,8	311 12,2	170,44	1
S RTQ 60.400	60 2,4	400 15,7	311 12,2	205,00	1
S RTQ 60.500	60 2,4	500 19,7	311 12,2	239,56	1
S RTQ 60.600	60 2,4	600 23,6	311 12,2	274,12	1

Size of run and tap tray is identical.

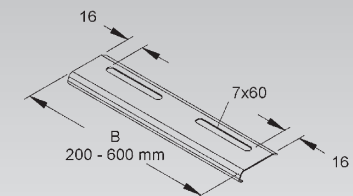
Height
60
mm
Nominal
2 3/8
inches



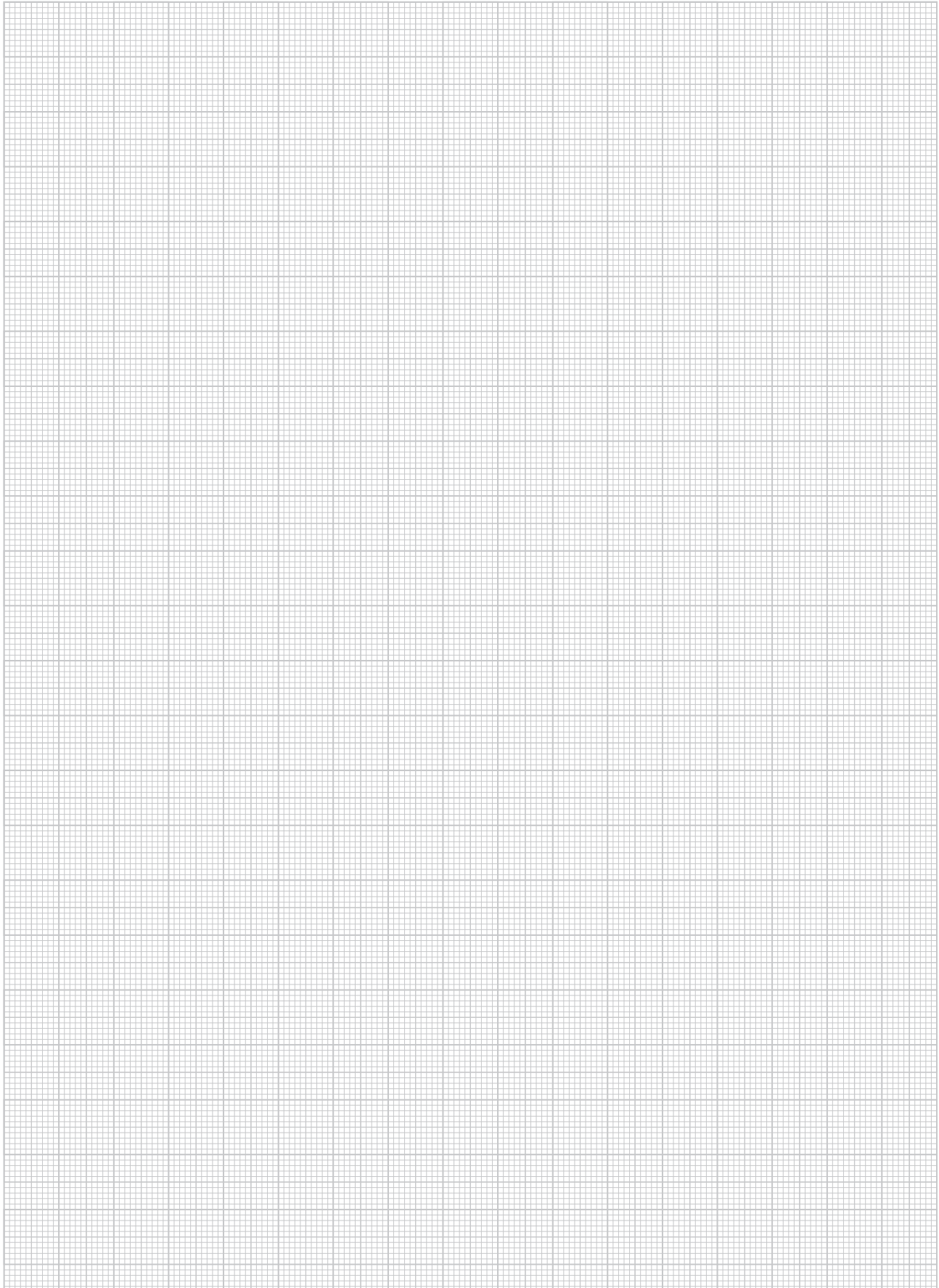
Edge Protection Plate

model no.	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S RKB 100	92 3,6	4,22	10
S RKB 150	142 5,6	6,82	10
S RKB 200	192 7,6	8,77	10
S RKB 300	292 11,5	12,84	10
S RKB 400	392 15,4	16,91	10
S RKB 500	492 19,4	20,98	10
S RKB 600	592 23,3	25,05	10
F RKB 100 F	92 3,6	4,66	50
F RKB 150 F	142 5,6	7,54	50
F RKB 200 F	192 7,6	9,69	50
F RKB 300 F	292 11,5	14,16	50
F RKB 400 F	392 15,4	18,64	50
F RKB 500 F	492 19,4	23,12	50
F RKB 600 F	592 23,3	27,60	50

with rounded edges to protect cables at the joint and to reinforce the bottom of cable trays



NOTES

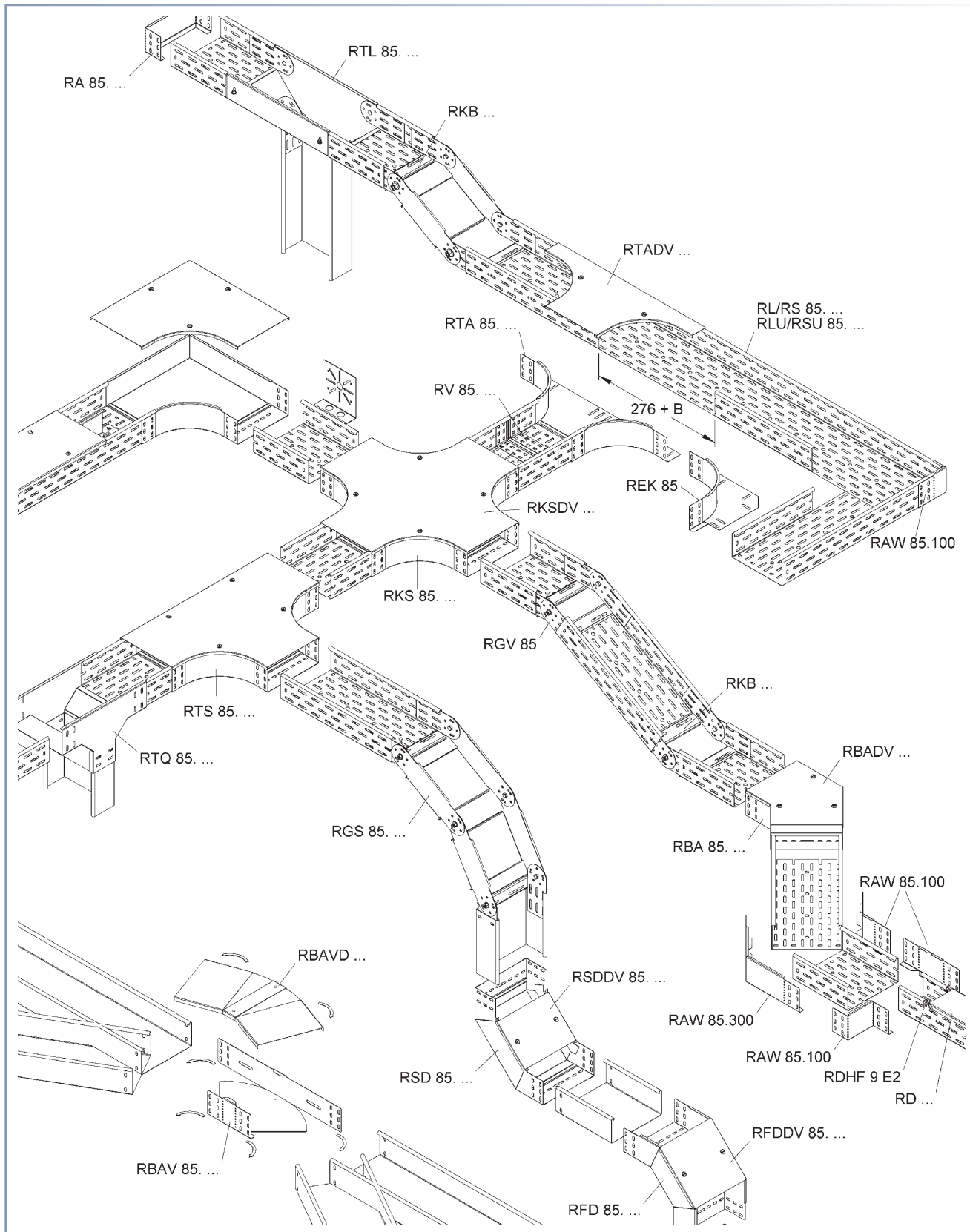


CABLE TRAY SYSTEM

Available Side Rail Heights

SYSTEM	Cable Tray	RL	Page 167
	Cable Tray	RLU	Page 167
	Distribution Cable Tray	RLCPV...OV	Page 168
	Boltless Splice Plate	RVC	Page 168
	Edge Protection Ring	KSR...A	Page 168
	Heavy Duty Cable Tray	RS	Page 169
	Heavy Duty Cable Tray	RSU	Page 169
ACCESSORIES	U-shaped Splice Plate	RV	Page 170
	Barrier Strip	RW 85	Page 170
	Splice Plate Barrier Strip	RTV 85	Page 170
	Mounting Plate for Barrier Strip	RTPH 50+M6	Page 170/171
	Extension Horizontal Tee	RTA	Page 171
	Horizontal Elbow Building Block	REK	Page 171
	Flexible Horizontal Elbow 0-90°	RBAV	Page 172
	Horizontal Elbow 45°	RBA	Page 172
	Horizontal Elbow 90°	RES	Page 172
	Horizontal Tee	RTS	Page 172
	Horizontal Cross	RKS	Page 173
	Reducer / Blind End	RA	Page 173
	Adjustable Horizontal Splice / Reducer / Blind End	RAW	Page 173
	Adjustable Vertical Splice Plate	RGV	Page 173
	Splice / Link Kit	RGE	Page 174
	Vertical Inside Elbow 90°	RSD	Page 174
	Vertical Outside Elbow 90°	RFD	Page 174
	Vertical Tee Down, lengthwise	RTL	Page 175
	Vertical Tee Down, crosswise	RTQ	Page 175
	Edge Protection Plate	RKB	Page 175

The covers of the cable tray system starting from page 190.



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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	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

Cable Tray

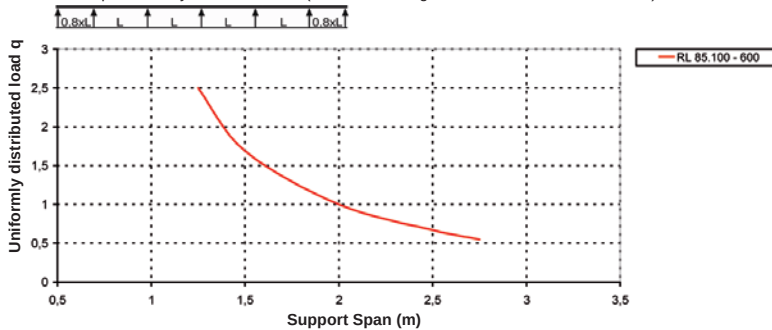
ventilated

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RL 85.100	85	3,3	100	3,9	0,9	185,56	2 x 3 m
S	RL 85.200	85	3,3	200	7,9	1,0	272,98	2 x 3 m
S	RL 85.300	85	3,3	300	11,8	1,0	340,52	2 x 3 m
S	RL 85.400	85	3,3	400	15,7	1,0	407,71	2 x 3 m
S	RL 85.500	85	3,3	500	19,7	1,0	474,00	2 x 3 m
S	RL 85.600	85	3,3	600	23,6	1,0	542,00	2 x 3 m
F	RL 85.100 F	85	3,3	100	3,9	0,9	207,00	2 x 3 m
F	RL 85.200 F	85	3,3	200	7,9	1,0	272,00	2 x 3 m
F	RL 85.300 F	85	3,3	300	11,8	1,0	329,00	2 x 3 m
F	RL 85.400 F	85	3,3	400	15,7	1,0	405,00	2 x 3 m
F	RL 85.500 F	85	3,3	500	19,7	1,0	474,00	2 x 3 m
F	RL 85.600 F	85	3,3	600	23,6	1,0	542,00	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.

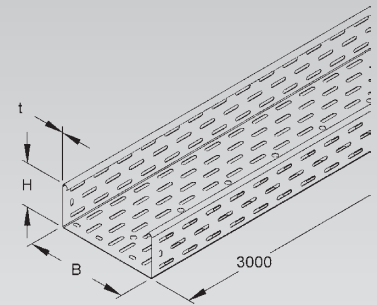
One RV... splice plate included with every piece of cable tray.

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



Height
85
mm

Nominal
3 3/8
inches



Cable Tray

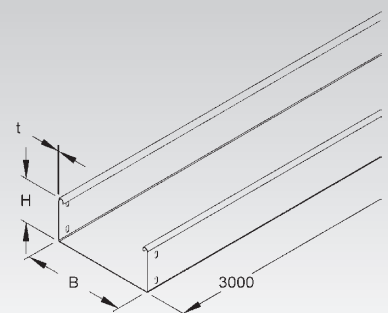
solid, but with splice plate perforation

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RLU 85.100	85	3,3	100	3,9	0,9	214,51	2 x 3 m
S	RLU 85.200	85	3,3	200	7,9	1,0	319,05	2 x 3 m
S	RLU 85.300	85	3,3	300	11,8	1,0	399,56	2 x 3 m
S	RLU 85.400	85	3,3	400	15,7	1,0	480,60	2 x 3 m
S	RLU 85.500	85	3,3	500	19,7	1,0	561,15	2 x 3 m
S	RLU 85.600	85	3,3	600	23,6	1,0	641,70	2 x 3 m
F	RLU 85.100 F	85	3,3	100	3,9	0,9	236,87	2 x 3 m
F	RLU 85.200 F	85	3,3	200	7,9	1,0	350,99	2 x 3 m
F	RLU 85.300 F	85	3,3	300	11,8	1,0	439,58	2 x 3 m
F	RLU 85.400 F	85	3,3	400	15,7	1,0	528,71	2 x 3 m
F	RLU 85.500 F	85	3,3	500	19,7	1,0	617,31	2 x 3 m
F	RLU 85.600 F	85	3,3	600	23,6	1,0	705,92	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
85
mm

Nominal
3 3/8
inches



CABLE TRAY SYSTEM

Distribution Cable Tray

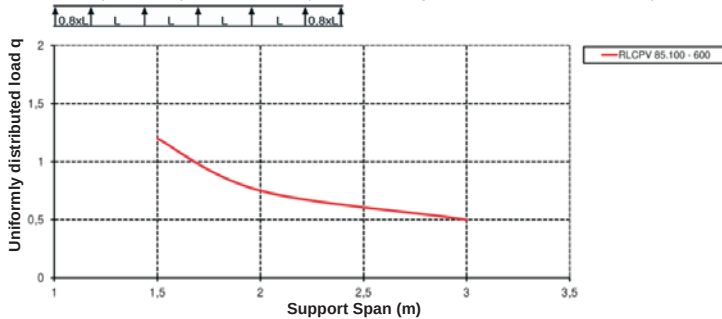
ventilated

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RLCPV 85.100 OV	85 3,3	100 3,9	1	210,65	2 x 3 m
S RLCPV 85.200 OV	85 3,3	200 7,9	1	276,15	2 x 3 m
S RLCPV 85.300 OV	85 3,3	300 11,8	1	341,65	2 x 3 m
S RLCPV 85.400 OV	85 3,3	400 15,7	1	407,15	2 x 3 m
S RLCPV 85.500 OV	85 3,3	500 19,7	1	472,65	2 x 3 m
S RLCPV 85.600 OV	85 3,3	600 23,6	1	538,15	2 x 3 m

Precut cable outlets of 40x150 mm.

Please order two RVC 85 splice plates for every piece of tray.

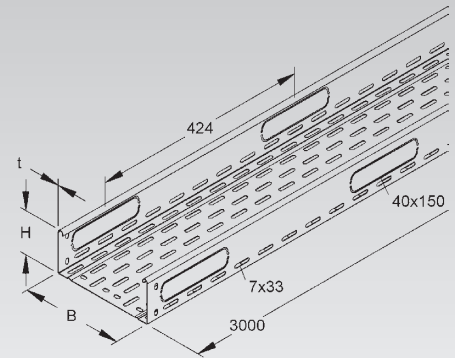
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Height
85
mm

Nominal
3 3/8
inches

48



Boltless Splice Plate

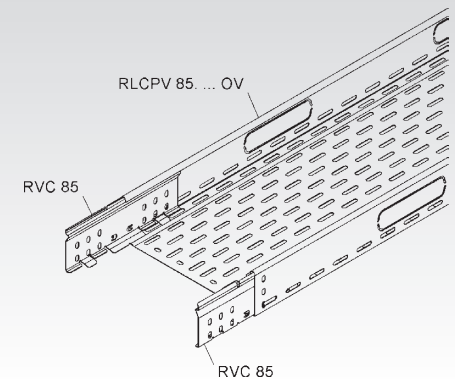
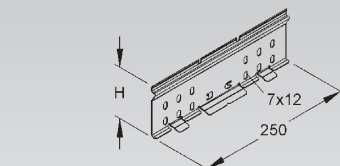
model no.	height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S RVC 85	85 3,3	23,54	50

2 pieces required per joint

Suitable for: RLCPV 85... OV cable trays

Height
85
mm

Nominal
3 3/8
inches



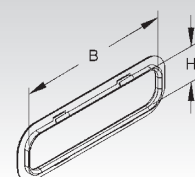
Edge Protection Ring

UV resistant

model no.	color	inside height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
K04 KSR 40 A	black	34,5 1,4	144,5 5,7	0,97	20

to protect cables at the knockouts of tray or surface metal raceways

Suitable for: RLCPV 85... OV and RSV 110... distribution cable tray



Heavy Duty Cable Tray

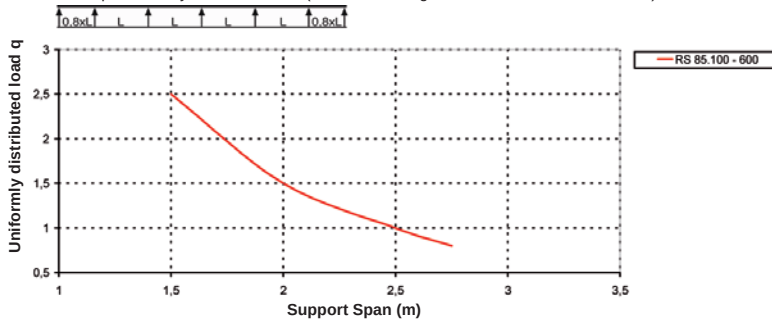
ventilated

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RS 85.100	85	3,3	100	3,9	1,5	310	2 x 3 m
S	RS 85.200	85	3,3	200	7,9	1,5	414	2 x 3 m
S	RS 85.300	85	3,3	300	11,8	1,5	480	2 x 3 m
S	RS 85.400	85	3,3	400	15,7	1,5	607	2 x 3 m
S	RS 85.500	85	3,3	500	19,7	1,5	744	2 x 3 m
S	RS 85.600	85	3,3	600	23,6	1,5	857	2 x 3 m
F	RS 85.100 F	85	3,3	100	3,9	1,5	310	2 x 3 m
F	RS 85.200 F	85	3,3	200	7,9	1,5	414	2 x 3 m
F	RS 85.300 F	85	3,3	300	11,8	1,5	480	2 x 3 m
F	RS 85.400 F	85	3,3	400	15,7	1,5	607	2 x 3 m
F	RS 85.500 F	85	3,3	500	19,7	1,5	744	2 x 3 m
F	RS 85.600 F	85	3,3	600	23,6	1,5	857	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.

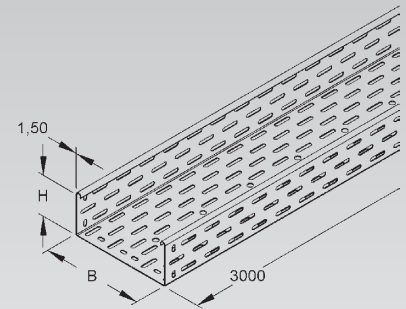
One RV... splice plate included with every piece of cable tray.

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



Height
85
mm

Nominal
3 3/8
inches



Heavy Duty Cable Tray

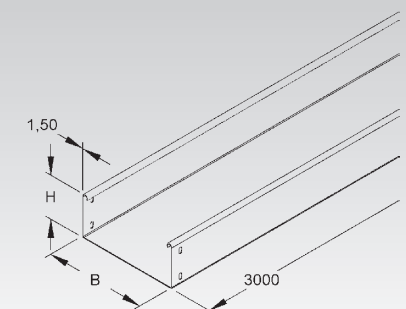
solid, but with splice plate perforation

	model no.	height H		width B		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RSU 85.100	85	3,3	100	3,9	1,5	349,75	2 x 3 m
S	RSU 85.200	85	3,3	200	7,9	1,5	470,08	2 x 3 m
S	RSU 85.300	85	3,3	300	11,8	1,5	589,82	2 x 3 m
S	RSU 85.400	85	3,3	400	15,7	1,5	710,09	2 x 3 m
S	RSU 85.500	85	3,3	500	19,7	1,5	829,89	2 x 3 m
S	RSU 85.600	85	3,3	600	23,6	1,5	949,69	2 x 3 m
F	RSU 85.100 F	85	3,3	100	3,9	1,5	384,74	2 x 3 m
F	RSU 85.200 F	85	3,3	200	7,9	1,5	517,12	2 x 3 m
F	RSU 85.300 F	85	3,3	300	11,8	1,5	648,87	2 x 3 m
F	RSU 85.400 F	85	3,3	400	15,7	1,5	781,14	2 x 3 m
F	RSU 85.500 F	85	3,3	500	19,7	1,5	912,92	2 x 3 m
F	RSU 85.600 F	85	3,3	600	23,6	1,5	1.044,70	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
85
mm

Nominal
3 3/8
inches



CABLE TRAY SYSTEM

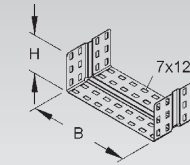
U-shaped Splice Plate

model no.		height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RV 85.100	74	2,9	97	3,8	20,71	1
S	RV 85.200	74	2,9	197	7,8	28,44	1
S	RV 85.300	74	2,9	297	11,7	34,58	1
S	RV 85.400	74	2,9	397	15,6	42,31	1
S	RV 85.500	74	2,9	497	19,6	48,45	1
S	RV 85.600	74	2,9	597	23,5	54,59	1
F	RV 85.100 F	74	2,9	97	3,8	22,14	1
F	RV 85.200 F	74	2,9	197	7,8	30,48	1
F	RV 85.300 F	74	2,9	297	11,7	37,24	1
F	RV 85.400 F	74	2,9	397	15,6	45,58	1
F	RV 85.500 F	74	2,9	497	19,6	52,34	1
F	RV 85.600 F	74	2,9	597	23,5	59,09	1

Suitable for: RL/RS... cable trays

Height
85
mm

Nominal
3 3/8
inches



Barrier Strip

model no.		height H	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm		
S	RW 85	80 3,1	0,9	78,39	10 x 3 m
F	RW 85 F	80 3,1	0,9	86,12	10 x 3 m

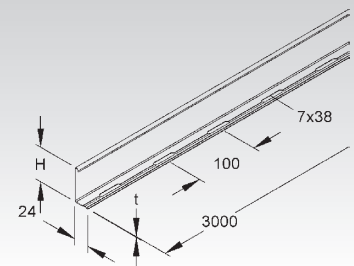
to separate wires and cables of different voltage levels or with different functions

Height
85
mm

Nominal
3 3/8
inches



64



Splice Plate for Barrier Strip

model no.		height H	length A	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
E2	RTV 85 E2	79,5 3,1	80 3,1	2,03	20

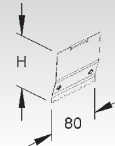
for positive locking connections and proper bonding of barrier strips

Height
85
mm

Nominal
3 3/8
inches



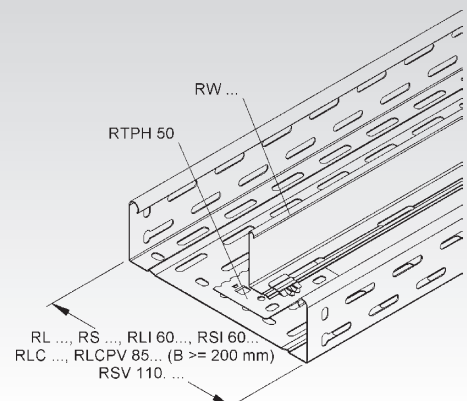
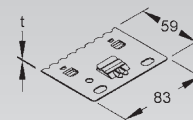
64



Mounting Plate for Barrier Strip

model no.		length A	width B	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
S	RTPH 50	83 3,3	59 2,3	0,9	4	20

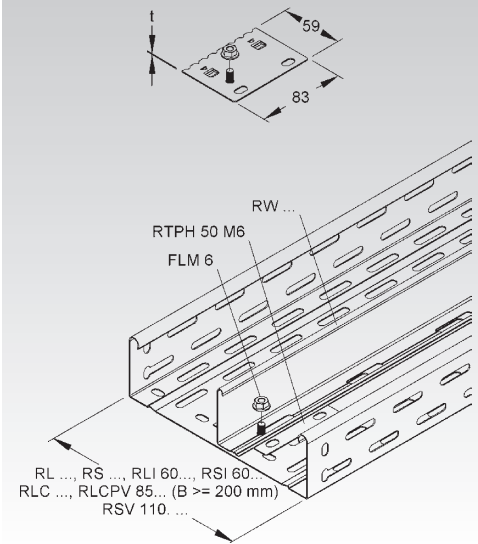
Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays.



Mounting Plate for Barrier Strip with M6 Stud

model no.	length A		width B		thickness t	Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch	mm		
S RTPH 50 M6	83	3,3	59	2,3	0,9	3,4	50

Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays. With M6 locking stud.

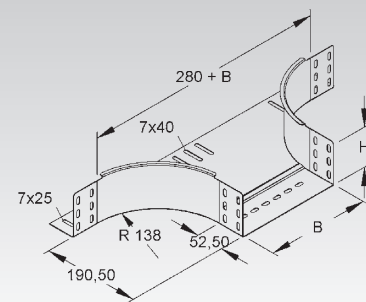


Extension Horizontal Tee

with integrated splice

model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch		
S RTA 85.100	85	3,3	102	4	94,6	1
S RTA 85.200	85	3,3	202	8	111,5	1
S RTA 85.300	85	3,3	302	11,9	128,4	1
S RTA 85.400	85	3,3	402	15,8	145,6	1
S RTA 85.500	85	3,3	502	19,8	162,1	1
S RTA 85.600	85	3,3	602	23,7	179,0	1
F RTA 85.100 F	85	3,3	102	4	103,3	1
F RTA 85.200 F	85	3,3	202	8	121,9	1
F RTA 85.300 F	85	3,3	302	11,9	140,4	1
F RTA 85.400 F	85	3,3	402	15,8	159,4	1
F RTA 85.500 F	85	3,3	502	19,8	177,5	1
F RTA 85.600 F	85	3,3	602	23,7	196,1	1

Height	Nominal
85 mm	3 3/8 inches



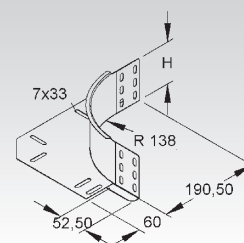
Horizontal Elbow Building Block

with integrated splice

model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch		
S REK 85	85	3,3	46,07	1
F REK 85 F	85	3,3	44,10	1

for building customized horizontal cable tray fittings

Height	Nominal
85 mm	3 3/8 inches



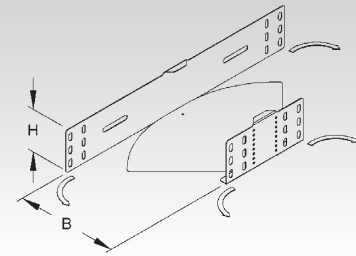
CABLE TRAY SYSTEM

Flexible Horizontal Elbow 0-90°

with integrated splice

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RBAV 85.100	85 3,3	100 3,9	55,2	1
S RBAV 85.200	85 3,3	200 7,9	87,5	1
S RBAV 85.300	85 3,3	300 11,8	132,6	1
S RBAV 85.400	85 3,3	400 15,7	187,4	1
S RBAV 85.500	85 3,3	500 19,7	260,6	1
S RBAV 85.600	85 3,3	600 23,6	338,9	1

Height
85
mm
Nominal
3 3/8
inches

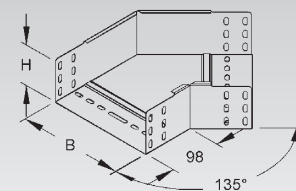


Horizontal Elbow 45°

with integrated splice

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RBA 85.100	85 3,3	102 4	54,7	1
S RBA 85.200	85 3,3	202 8	86,7	1
S RBA 85.300	85 3,3	302 11,9	125,2	1
S RBA 85.400	85 3,3	402 15,8	170,4	1
S RBA 85.500	85 3,3	502 19,8	221,8	1
S RBA 85.600	85 3,3	602 23,7	280,0	1
F RBA 85.100 F	85 3,3	102 4	58,8	1
F RBA 85.200 F	85 3,3	202 8	93,2	1
F RBA 85.300 F	85 3,3	302 11,9	134,6	1
F RBA 85.400 F	85 3,3	402 15,8	183,1	1
F RBA 85.500 F	85 3,3	502 19,8	238,5	1
F RBA 85.600 F	85 3,3	602 23,7	301,0	1

Height
85
mm
Nominal
3 3/8
inches

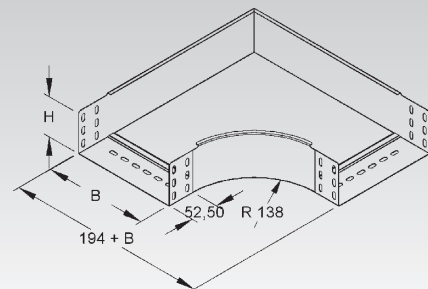


Horizontal Elbow 90°

with integrated splice

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RES 85.100	85 3,3	102 4	110,50	1
S RES 85.200	85 3,3	202 8	185,00	1
S RES 85.300	85 3,3	302 11,9	271,10	1
S RES 85.400	85 3,3	402 15,8	372,40	1
S RES 85.500	85 3,3	502 19,8	489,90	1
S RES 85.600	85 3,3	602 23,7	623,10	1
F RES 85.100 F	85 3,3	102 4	125,16	1
F RES 85.200 F	85 3,3	202 8	198,90	1
F RES 85.300 F	85 3,3	302 11,9	291,40	1
F RES 85.400 F	85 3,3	402 15,8	400,40	1
F RES 85.500 F	85 3,3	502 19,8	526,60	1
F RES 85.600 F	85 3,3	602 23,7	669,80	1

Height
85
mm
Nominal
3 3/8
inches

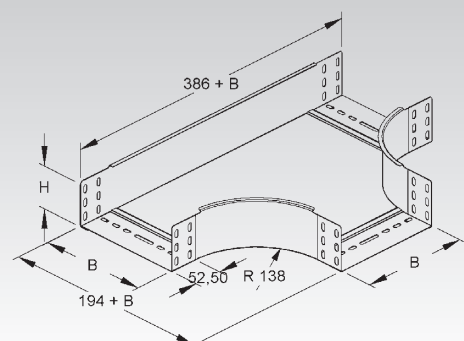


Horizontal Tee

with integrated splice

model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RTS 85.100	85 3,3	102 4	143,9	1
S RTS 85.200	85 3,3	202 8	226,5	1
S RTS 85.300	85 3,3	302 11,9	318,9	1
S RTS 85.400	85 3,3	402 15,8	427,0	1
S RTS 85.500	85 3,3	502 19,8	550,8	1
S RTS 85.600	85 3,3	602 23,7	690,3	1
F RTS 85.100 F	85 3,3	102 4	154,6	1
F RTS 85.200 F	85 3,3	202 8	243,4	1
F RTS 85.300 F	85 3,3	302 11,9	342,8	1
F RTS 85.400 F	85 3,3	402 15,8	459,0	1
F RTS 85.500 F	85 3,3	502 19,8	592,1	1
F RTS 85.600 F	85 3,3	602 23,7	742,1	1

Height
85
mm
Nominal
3 3/8
inches



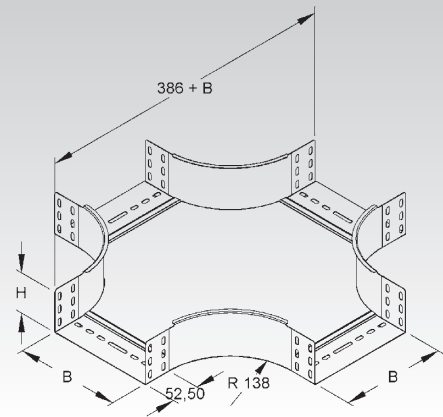
Horizontal Cross

with integrated splice

model no.		height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	RKS 85.100	85 3,3	102 4	182,9	1
S	RKS 85.200	85 3,3	202 8	266,0	1
S	RKS 85.300	85 3,3	302 11,9	364,8	1
S	RKS 85.400	85 3,3	402 15,8	479,2	1
S	RKS 85.500	85 3,3	502 19,8	609,4	1
S	RKS 85.600	85 3,3	602 23,7	755,3	1
F	RKS 85.100 F	85 3,3	102 4	196,6	1
F	RKS 85.200 F	85 3,3	202 8	285,9	1
F	RKS 85.300 F	85 3,3	302 11,9	392,1	1
F	RKS 85.400 F	85 3,3	402 15,8	515,2	1
F	RKS 85.500 F	85 3,3	502 19,8	655,1	1
F	RKS 85.600 F	85 3,3	602 23,7	811,9	1

Height
85
mm

Nominal
3 3/8
inches

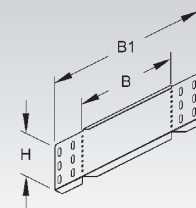


Reducer / Blind End

model no.		height H	width B	width B1	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch		
S	RA 85.200	85 3,3	200 7,9	322	25	20
S	RA 85.400	85 3,3	400 15,7	522	42	20
S	RA 85.500	85 3,3	500 19,7	622	50	20
S	RA 85.600	85 3,3	600 23,6	722	59	20
F	RA 85.200 F	85 3,3	200 7,9	322	25	1
F	RA 85.400 F	85 3,3	400 15,7	522	42	1
F	RA 85.500 F	85 3,3	500 19,7	622	50	1
F	RA 85.600 F	85 3,3	600 23,6	722	59	1

Height
85
mm

Nominal
3 3/8
inches



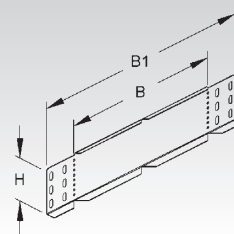
can be used as blind end or as reducer for cable tray

Adjustable Horizontal Splice / Reducer / Blind End

model no.		height H	width B	width B1	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch		
S	RAW 85.100	85 3,3	100 3,9	222	28,23	20
S	RAW 85.300	85 3,3	300 11,8	422	33,00	20
F	RAW 85.100 F	85 3,3	100 3,9	222	30,98	1
F	RAW 85.300 F	85 3,3	300 11,8	422	33,00	1

Height
85
mm

Nominal
3 3/8
inches



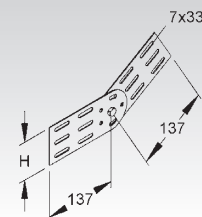
adjustable horizontal splice plate for solid and ventilated cable tray
can be used as blind end or as reducer for cable tray

Adjustable Vertical Splice Plate

model no.		height H	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		
S	RGV 85	73 2,9	29,63	25
F	RGV 85 F	73 2,9	32,02	25

Height
85
mm

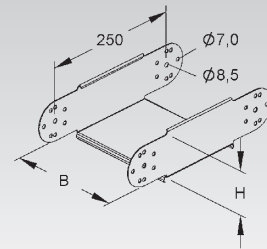
Nominal
3 3/8
inches



2 pieces required per joint

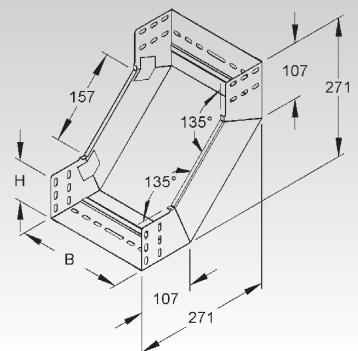
model no.		height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RGE 85.100	85	3,3	100	3,9	78,59	1
S	RGE 85.200	85	3,3	200	7,9	68,00	1
S	RGE 85.300	85	3,3	300	11,8	80,00	1
S	RGE 85.400	85	3,3	400	15,7	92,00	1
S	RGE 85.500	85	3,3	500	19,7	104,00	1
S	RGE 85.600	85	3,3	600	23,6	145,00	1
F	RGE 85.100 F	85	3,3	100	3,9	86,11	1
F	RGE 85.200 F	85	3,3	200	7,9	97,41	1
F	RGE 85.300 F	85	3,3	300	11,8	108,72	1
F	RGE 85.400 F	85	3,3	400	15,7	120,03	1
F	RGE 85.500 F	85	3,3	500	19,7	131,34	1
F	RGE 85.600 F	85	3,3	600	23,6	142,65	1

for linking sections of tray with a vertical displacement



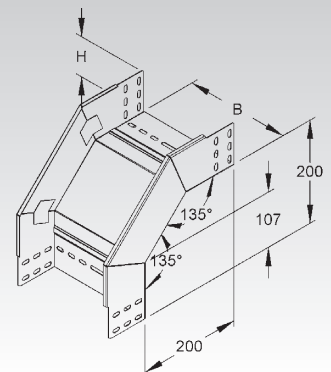
Vertical Inside Elbow 90°
with integrated splice

model no.		height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RSD 85.100	85	3,3	102	4	96	1
S	RSD 85.200	85	3,3	202	8	130	1
S	RSD 85.300	85	3,3	302	11,9	165	1
S	RSD 85.400	85	3,3	402	15,8	200	1
S	RSD 85.500	85	3,3	502	19,8	234	1
S	RSD 85.600	85	3,3	602	23,7	269	1



Vertical Outside Elbow 90°
with integrated splice

model no.		height H	inside dimension (B)	Weight per 100 pcs	Pack / Box Qty
		mm Inch	mm Inch	kg	
S	RFD 85.100	85 3,3	102 4	94,00	1
S	RFD 85.200	85 3,3	202 8	120,00	1
S	RFD 85.300	85 3,3	302 11,9	147,00	1
S	RFD 85.400	85 3,3	402 15,8	174,00	1
S	RFD 85.500	85 3,3	502 19,8	200,00	1
S	RFD 85.600	85 3,3	602 23,7	234,08	1



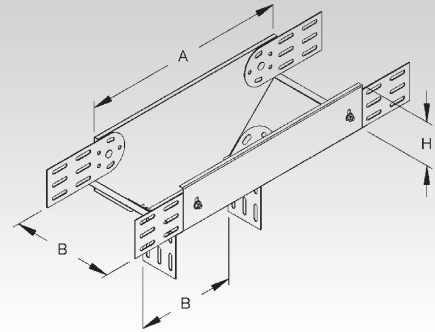
Vertical Tee Down, lengthwise

with integrated splice

model no.	height H	width B	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch		
S RTL 85.100	85 3,3	100 3,9	201 7,9	137	1
S RTL 85.200	85 3,3	200 7,9	401 15,8	244	1
S RTL 85.300	85 3,3	300 11,8	701 27,6	493	1
S RTL 85.400	85 3,3	400 15,7	801 31,5	614	1
S RTL 85.500	85 3,3	500 19,7	901 35,5	750	1
S RTL 85.600	85 3,3	600 23,6	1001 39,4	903	1

Size of run and tap tray is identical.

Height
85
mm
Nominal
3 3/8
inches



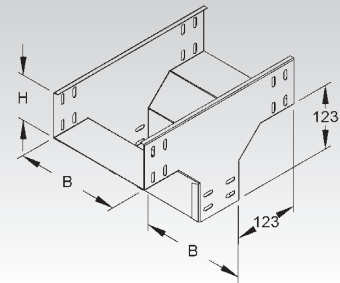
Vertical Tee Down, crosswise

with integrated splice

model no.	height H	width B	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm Inch		
S RTQ 85.100	85 3,3	100 3,9	336 13,2	119,56	1
S RTQ 85.200	85 3,3	200 7,9	336 13,2	155,72	1
S RTQ 85.300	85 3,3	300 11,8	336 13,2	190,28	1
S RTQ 85.400	85 3,3	400 15,7	336 13,2	226,44	1
S RTQ 85.500	85 3,3	500 19,7	336 13,2	261,00	1
S RTQ 85.600	85 3,3	600 23,6	336 13,2	295,56	1

Size of run and tap tray is identical.

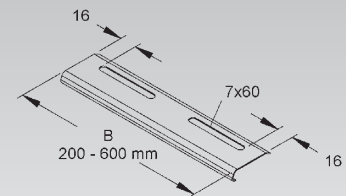
Height
85
mm
Nominal
3 3/8
inches



Edge Protection Plate

model no.	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S RKB 100	92 3,6	4,22	10
S RKB 200	192 7,6	8,77	10
S RKB 300	292 11,5	12,84	10
S RKB 400	392 15,4	16,91	10
S RKB 500	492 19,4	20,98	10
S RKB 600	592 23,3	25,05	10
F RKB 100 F	92 3,6	4,66	50
F RKB 200 F	192 7,6	9,69	50
F RKB 300 F	292 11,5	14,16	50
F RKB 400 F	392 15,4	18,64	50
F RKB 500 F	492 19,4	23,12	50
F RKB 600 F	592 23,3	27,60	50

with rounded edges to protect cables at the joint and
to reinforce the bottom of cable trays

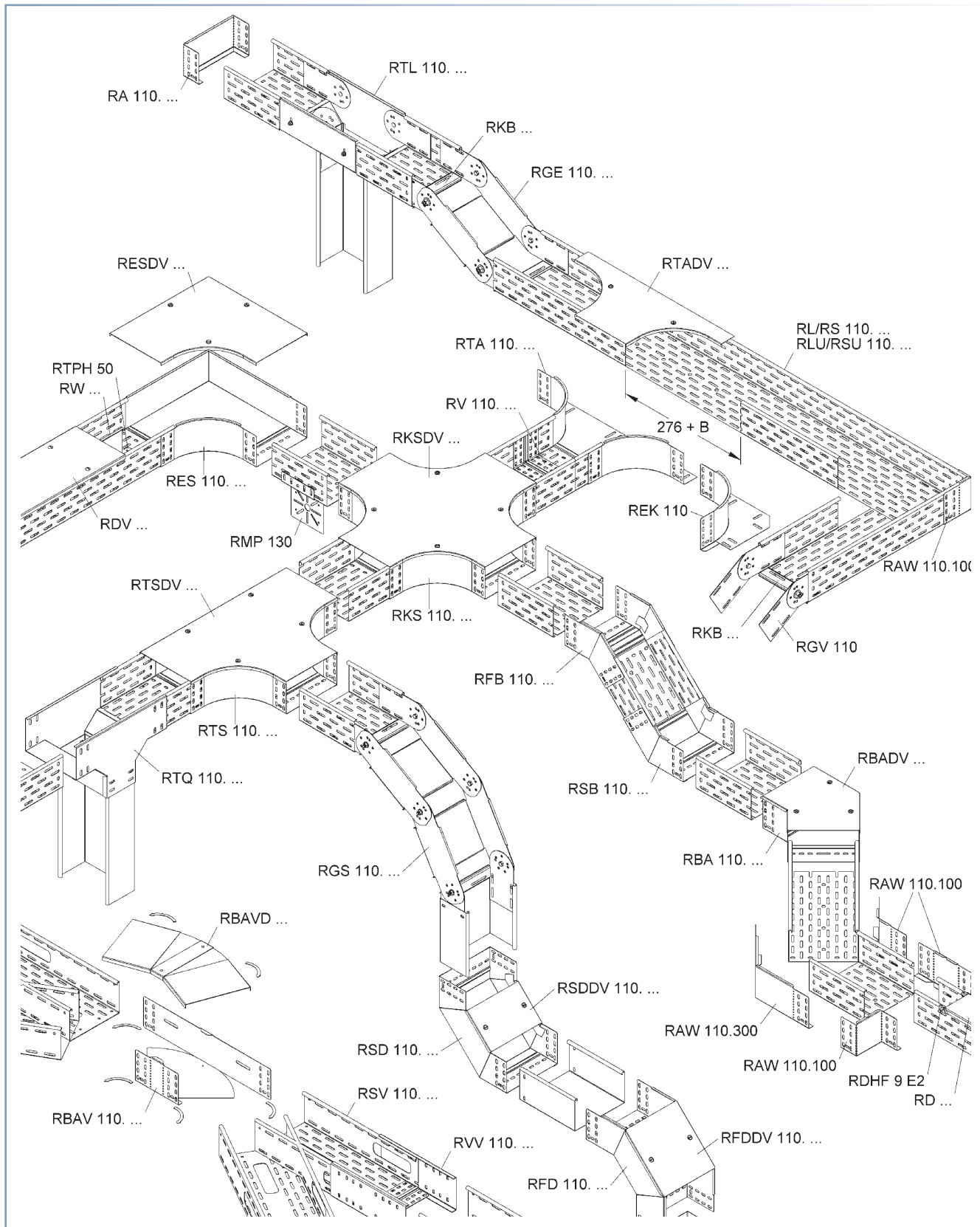


CABLE TRAY SYSTEM

Available Side Rail Heights

SYSTEM	Cable Tray	RL	Page 179
	Cable Tray	RLU	Page 179
	Heavy Duty Cable Tray	RS	Page 180
	Heavy Duty Cable Tray	RSU	Page 180
	Distribution Cable Tray	RSV	Page 180
ACCESSORIES	Edge Protection Ring	KSR 40... A	Page 181
	U-shaped Splice Plate	RV	Page 181
	Three Piece Splice Plate Kit	RVV	Page 182
	Barrier Strip	RW 110	Page 182
	Splice Plate for Barrier Strip	RTV 110	Page 182
	Mounting Plate for Barrier Strip	RTPH 50+M	Page 183
	Extension Horizontal Tee	RTA	Page 183
	Horizontal Elbow Building Block	REK	Page 184
	Flexible Horizontal Elbow 0-90°	RBAV	Page 184
	Horizontal Elbow 45°	RBA	Page 184
	Horizontal Elbow 90°	RES	Page 184
	Horizontal Tee	RTS	Page 185
	Horizontal Cross	RKS	Page 185
	Reducer / Blind End	RA	Page 185
	Adjustable Horizontal Splice / Reducer / Blind End	RAW	Page 186
	Adjustable Vertical Splice Plate	RGV	Page 186
	Splice / Link Kit	RGE	Page 186
	Vertical Inside Elbow 45°	RSB	Page 186
	Vertical Inside Elbow 90°	RSD	Page 187
	Vertical Outside Elbow 45°	RFB	Page 187
	Vertical Outside Elbow 90°	RFD	Page 187
	Vertical Tee Down, lengthwise	RTL	Page 187
	Vertical Tee Down, crosswise	RTQ	Page 188
	Edge Protection Plate	RKB	Page 188

The covers of the cable tray system starting from page 190.



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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	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	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.200, ... F	494 / 0.77	452 / 0.7	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.300, ... F	602 / 0.93	452 / 0.7	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.400, ... F	710 / 1.10	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.500, ... F	818 / 1.27	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSX 110.550, ... F	872 / 1.35	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.100, ... F	512 / 0.79	452 / 0.7	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.200, ... F	662 / 1.03	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.300, ... F	812 / 1.26	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.400, ... F	961 / 1.49	645 / 1.0	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.500, ... F	1112 / 1.72	968 / 1.5	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSUX 110.550, ... F	1187 / 1.84	968 / 1.5	224 / 151	2 / 6.6	8A, 8B, 8C, A, C
RSVX 110.100, ... F *	368 / 0.57	258 / 0.4	67 / 45	3 / 9.8	8A, A
RSVX 110.150, ... F *	383 / 0.59	258 / 0.4	67 / 45	3 / 9.8	8A, A
RSVX 110.200, ... F *	437 / 0.68	258 / 0.4	67 / 45	3 / 9.8	8A, A
RSVX 110.300, ... F *	587 / 0.91	452 / 0.7	67 / 45	3 / 9.8	8A, A
RSVX 110.400, ... F *	716 / 1.11	645 / 1.0	67 / 45	3 / 9.8	8A, A

* - tested by UL with the three piece splice plate kit RVVX in the middle of two supports

Cable Tray

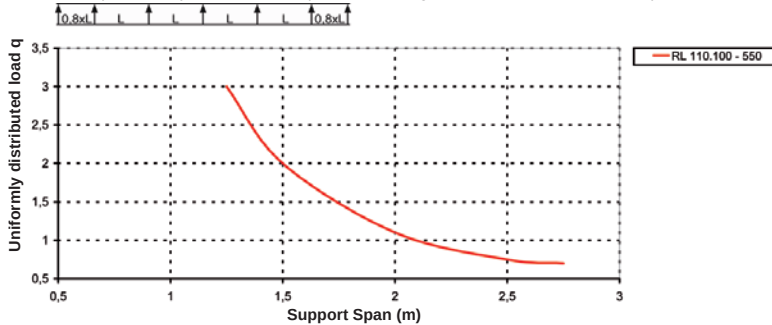
ventilated

model no.		height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
S	RL 110.100	110 4,3	100 3,9	0,9	216,07	2 x 3 m
S	RL 110.200	110 4,3	200 7,9	1,0	306,77	2 x 3 m
S	RL 110.300	110 4,3	300 11,8	1,0	374,30	2 x 3 m
S	RL 110.400	110 4,3	400 15,7	1,0	442,36	2 x 3 m
F	RL 110.100 F	110 4,3	100 3,9	0,9	237,72	2 x 3 m
F	RL 110.200 F	110 4,3	200 7,9	1,0	337,50	2 x 3 m
F	RL 110.300 F	110 4,3	300 11,8	1,0	411,79	2 x 3 m
F	RL 110.400 F	110 4,3	400 15,7	1,0	486,68	2 x 3 m
E3	RL 110.100 E3	110 4,3	100 3,9	0,8	194,84	2 x 3 m
E3	RL 110.200 E3	110 4,3	200 7,9	0,8	250,24	2 x 3 m
E3	RL 110.300 E3	110 4,3	300 11,8	0,8	305,03	2 x 3 m
E3	RL 110.400 E3	110 4,3	400 15,7	0,9	403,05	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.

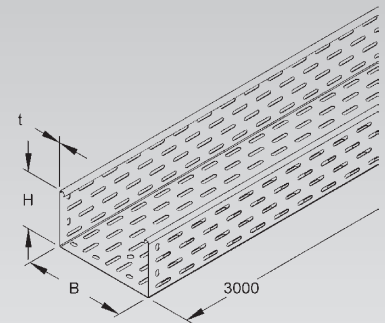
One RV... splice plate included with every piece of cable tray.

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



Height
110
mm

Nominal
4 3/8
Inches



Cable Tray

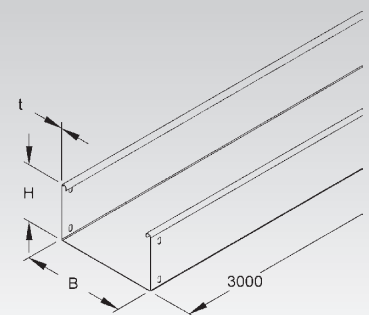
solid, but with splice plate perforation

model no.		height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
S	RLU 110.100	110 4,3	100 3,9	0,9	251,65	2 x 3 m
S	RLU 110.200	110 4,3	200 7,9	1,0	359,32	2 x 3 m
S	RLU 110.300	110 4,3	300 11,8	1,0	439,82	2 x 3 m
S	RLU 110.400	110 4,3	400 15,7	1,0	520,85	2 x 3 m
F	RLU 110.100 F	110 4,3	100 3,9	0,9	276,86	2 x 3 m
F	RLU 110.200 F	110 4,3	200 7,9	1,0	394,70	2 x 3 m
F	RLU 110.300 F	110 4,3	300 11,8	1,0	483,88	2 x 3 m
F	RLU 110.400 F	110 4,3	400 15,7	1,0	573,01	2 x 3 m
E3	RLU 110.100 E3	110 4,3	100 3,9	0,8	226,68	2 x 3 m
E3	RLU 110.200 E3	110 4,3	200 7,9	0,8	292,55	2 x 3 m
E3	RLU 110.300 E3	110 4,3	300 11,8	0,8	357,77	2 x 3 m
E3	RLU 110.400 E3	110 4,3	400 15,7	0,9	474,14	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
110
mm

Nominal
4 3/8
Inches



CABLE TRAY SYSTEM

Heavy Duty Cable Tray

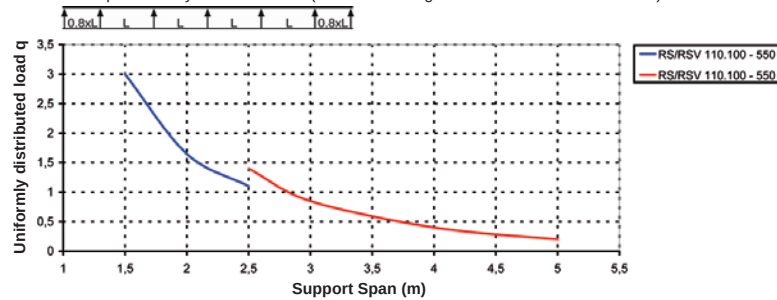
ventilated

	model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
S	RS 110.100	110 4,3	100 3,9	1,5	350,00	2 x 3 m
S	RS 110.200	110 4,3	200 7,9	1,5	450,00	2 x 3 m
S	RS 110.300	110 4,3	300 11,8	1,5	564,00	2 x 3 m
S	RS 110.400	110 4,3	400 15,7	1,5	651,87	2 x 3 m
F	RS 110.100 F	110 4,3	100 3,9	1,5	350,00	2 x 3 m
F	RS 110.200 F	110 4,3	200 7,9	1,5	450,00	2 x 3 m
F	RS 110.300 F	110 4,3	300 11,8	1,5	564,00	2 x 3 m
F	RS 110.400 F	110 4,3	400 15,7	1,5	717,13	2 x 3 m

Centered punchholes allow hanging with M10 (3/8") threaded rod.

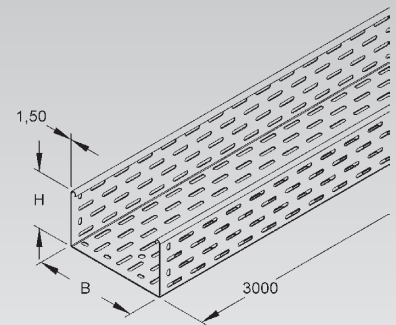
One RV... splice plate included with every piece of cable tray.

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



Height
110
mm

Nominal
4 3/8
inches



Heavy Duty Cable Tray

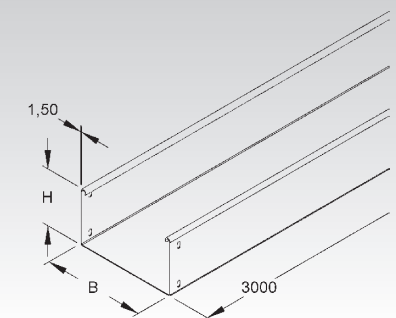
solid, but with splice plate perforation

	model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm		
S	RSU 110.100	110 4,3	100 3,9	1,5	409,65	2 x 3 m
S	RSU 110.200	110 4,3	200 7,9	1,5	529,99	2 x 3 m
S	RSU 110.300	110 4,3	300 11,8	1,5	649,72	2 x 3 m
S	RSU 110.400	110 4,3	400 15,7	1,5	769,99	2 x 3 m
F	RSU 110.100 F	110 4,3	100 3,9	1,5	450,63	2 x 3 m
F	RSU 110.200 F	110 4,3	200 7,9	1,5	583,01	2 x 3 m
F	RSU 110.300 F	110 4,3	300 11,8	1,5	714,76	2 x 3 m
F	RSU 110.400 F	110 4,3	400 15,7	1,5	847,03	2 x 3 m

One RV... splice plate included with every piece of cable tray.

Height
110
mm

Nominal
4 3/8
inches



Distribution Cable Tray

ventilated

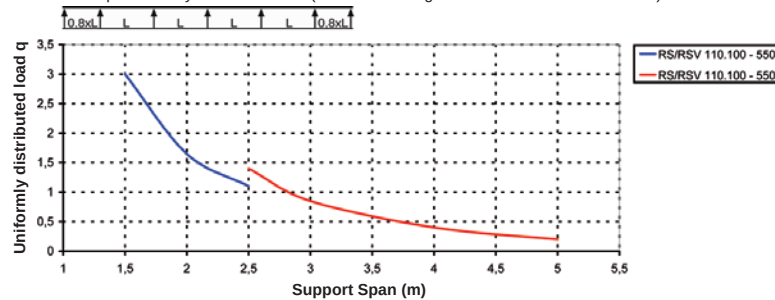
model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RSV 110.100 S	110 4,3	100 3,9	1,5	333,62	2 x 3 m
S RSV 110.150 S	110 4,3	150 5,9	1,5	383,76	2 x 3 m
S RSV 110.200 S	110 4,3	200 7,9	1,5	433,91	2 x 3 m
S RSV 110.300 S	110 4,3	300 11,8	1,5	537,44	2 x 3 m
S RSV 110.400 S	110 4,3	400 15,7	1,5	647,42	2 x 3 m
F RSV 110.100 F	110 4,3	100 3,9	1,5	366,66	2 x 3 m
F RSV 110.150 F	110 4,3	150 5,9	1,5	421,82	2 x 3 m
F RSV 110.200 F	110 4,3	200 7,9	1,5	476,98	2 x 3 m
F RSV 110.300 F	110 4,3	300 11,8	1,5	590,86	2 x 3 m
F RSV 110.400 F	110 4,3	400 15,7	1,5	711,84	2 x 3 m

Hole pattern may vary based on width of tray.

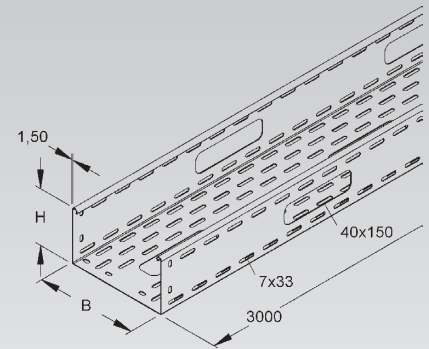
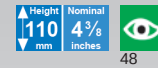
Cable outlets of 40x150 mm in bottom and flange of cable tray.

One RV... splice plate included with every piece of cable tray.

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



Load rating with heavy duty splice plate RVV... in red.



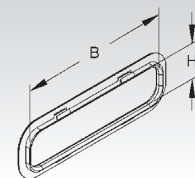
Edge Protection Ring

UV resistant

model no.	color	inside height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
K04 KSR 40 A	black	34,5 1,4	144,5 5,7	0,97	20

to protect cables at the knockouts of tray or surface metal raceways

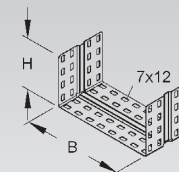
Suitable for: RLCPV 85... OV and RSV 110... distribution cable tray



U-shaped Splice Plate

model no.	height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RV 110.100	99 3,9	97 3,8	23,77	1
S RV 110.150	99 3,9	147 5,8	26,84	1
S RV 110.200	99 3,9	197 7,8	31,51	1
S RV 110.300	99 3,9	297 11,7	37,65	1
S RV 110.400	99 3,9	397 15,6	45,38	1
F RV 110.100 F	99 3,9	97 3,8	26,31	1
F RV 110.150 F	99 3,9	147 5,8	29,68	1
F RV 110.200 F	99 3,9	197 7,8	34,86	1
F RV 110.300 F	99 3,9	297 11,7	41,62	1
F RV 110.400 F	99 3,9	397 15,6	50,16	1
E3 RV 110.100 E3	99 3,9	97 3,8	24,76	1
E3 RV 110.200 E3	99 3,9	197 7,8	32,76	1
E3 RV 110.300 E3	99 3,9	297 11,7	38,94	1
E3 RV 110.400 E3	99 3,9	397 15,6	46,93	1

Suitable for: RL/RS... cable trays



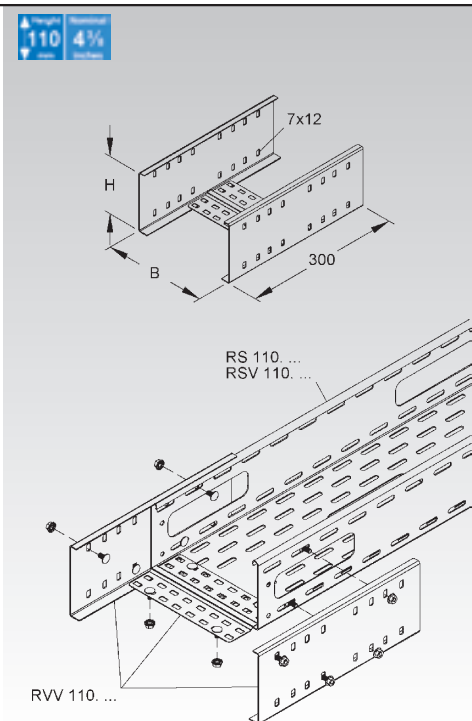
CABLE TRAY SYSTEM

Three Piece Splice Plate Kit

model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm	Inch		
S RVV 110.100	111	4,4	100	3,9	120	5
S RVV 110.150	111	4,4	150	5,9	125	5
S RVV 110.200	111	4,4	200	7,9	130	5
S RVV 110.300	111	4,4	300	11,8	140	5
S RVV 110.400	111	4,4	400	15,7	145	5
F RVV 110.100 F	111	4,4	100	3,9	120	5
F RVV 110.150 F	111	4,4	150	5,9	125	5
F RVV 110.200 F	111	4,4	200	7,9	130	5
F RVV 110.300 F	111	4,4	300	11,8	140	5
F RVV 110.400 F	111	4,4	400	15,7	145	5

heavy duty splice kit to extend support span

Suitable for: extending support span of RS/RSV 110... tray up to 5 meters

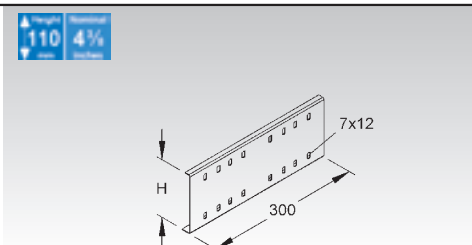


Splice Plate

model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch		
E3 RVV 110 E3	111	4,4	51,01	10

heavy duty splice kit to extend support span

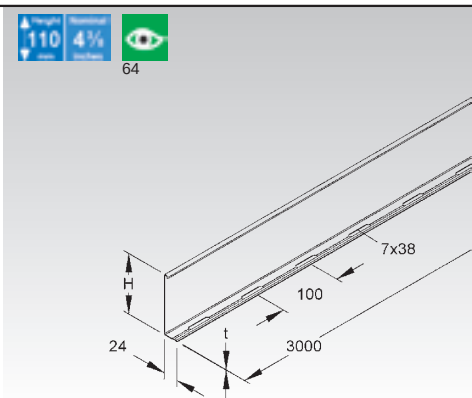
2 pieces required per joint



Barrier Strip

model no.	height H		thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm	Inch	mm		
S RW 110	98	3,9	0,9	90,37	10 x 3 m
F RW 110 F	98	3,9	0,9	99,30	10 x 3 m
E3 RW 110 E3	98	3,9	0,9	90,94	10 x 3 m

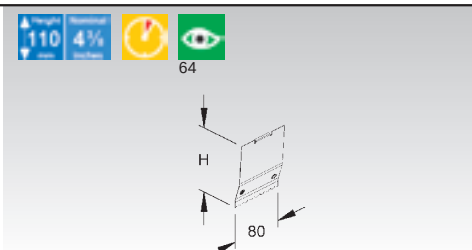
to separate wires and cables of different voltage levels or with different functions



Splice Plate for Barrier Strip

model no.	height H		length A	Weight per 100 pcs kg	Pack / Box Qty
	mm	Inch	mm		
E2 RTV 110 E2	97,5	3,8	80	2,5	20

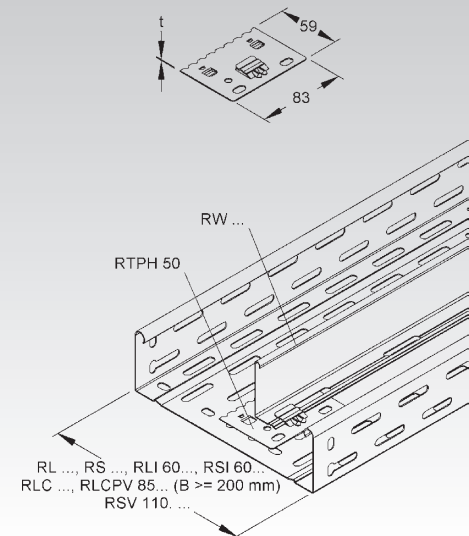
for positive locking connections and proper bonding of barrier strips



Mounting Plate for Barrier Strip

	model no.	length A		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RTPH 50	83	3,3	59	2,3	0,9	4	20

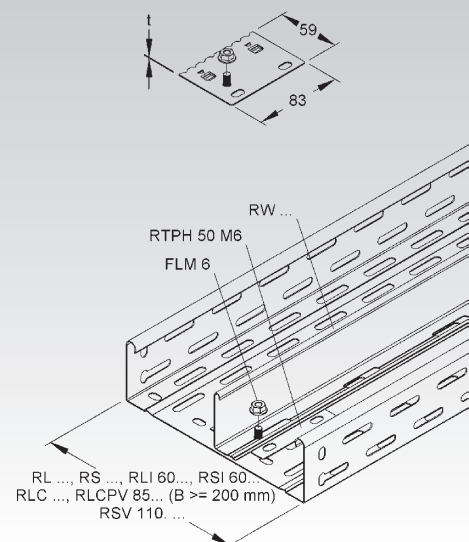
Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays.



Mounting Plate for Barrier Strip with M6 Stud

	model no.	length A		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RTPH 50 M6	83	3,3	59	2,3	0,9	3,4	50

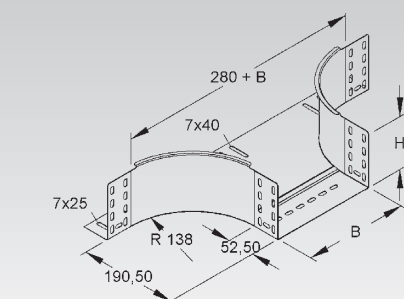
Mounting plate with latching mechanism for fast installation of barrier strips in ventilated RL/RS series cable trays. With M6 locking stud.



Extension Horizontal Tee

with integrated splice

	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RTA 110.100	110	4,3	102	4	100,3	1
S	RTA 110.150	110	4,3	152	6	108,8	1
S	RTA 110.200	110	4,3	202	8	117,2	1
S	RTA 110.300	110	4,3	302	11,9	134,2	1
S	RTA 110.400	110	4,3	402	15,8	151,3	1
F	RTA 110.100 F	110	4,3	102	4	109,5	1
F	RTA 110.150 F	110	4,3	152	6	118,9	1
F	RTA 110.200 F	110	4,3	202	8	128,1	1
F	RTA 110.300 F	110	4,3	302	11,9	146,8	1
F	RTA 110.400 F	110	4,3	402	15,8	165,6	1
E3	RTA 110.100 E3	110	4,3	102	4	97,0	1
E3	RTA 110.200 E3	110	4,3	202	8	112,0	1
E3	RTA 110.300 E3	110	4,3	302	11,9	127,2	1
E3	RTA 110.400 E3	110	4,3	402	15,8	151,3	1



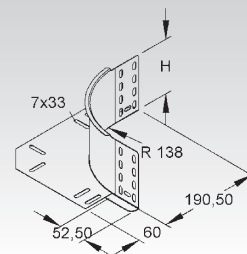
CABLE TRAY SYSTEM

Horizontal Elbow Building Block

with integrated splice

model no.	height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S REK 110	110 4,3	43,9	1
F REK 110 F	110 4,3	47,2	1
E3 REK 110 E3	110 4,3	42,4	1

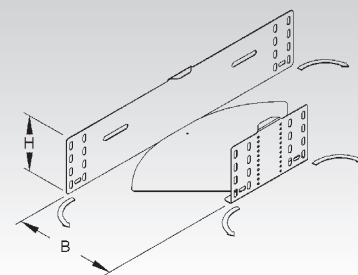
for building customized horizontal cable tray fittings



Flexible Horizontal Elbow 0-90°

with integrated splice

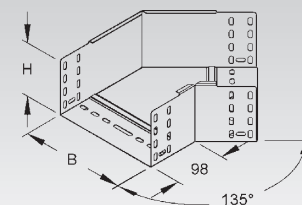
model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RBAV 110.100	110 4,3	100 3,9	64,50	1
S RBAV 110.150	110 4,3	150 5,9	81,59	1
S RBAV 110.200	110 4,3	200 7,9	101,10	1
S RBAV 110.300	110 4,3	300 11,8	148,10	1
S RBAV 110.400	110 4,3	400 15,7	206,00	1



Horizontal Elbow 45°

with integrated splice

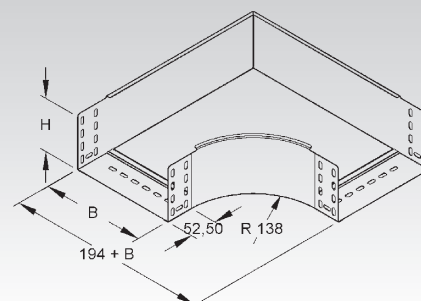
model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RBA 110.100	110 4,3	102 4	63,30	1
S RBA 110.150	110 4,3	152 6	79,30	1
S RBA 110.200	110 4,3	202 8	96,90	1
S RBA 110.300	110 4,3	302 11,9	137,00	1
S RBA 110.400	110 4,3	402 15,8	183,80	1
F RBA 110.100 F	110 4,3	102 4	72,94	1
F RBA 110.150 F	110 4,3	152 6	85,20	1
F RBA 110.200 F	110 4,3	202 8	104,10	1
F RBA 110.300 F	110 4,3	302 11,9	147,30	1
F RBA 110.400 F	110 4,3	402 15,8	197,60	1



Horizontal Elbow 90°

with integrated splice

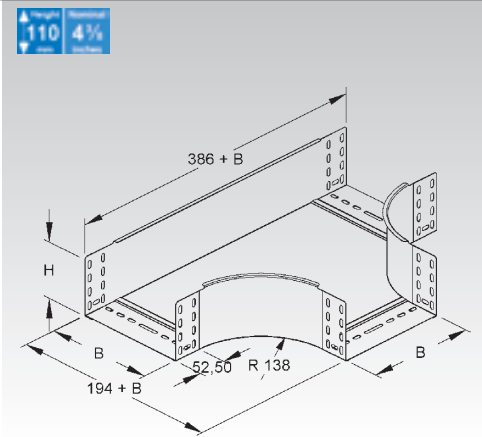
model no.	height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S RES 110.100	110 4,3	102 4	121,9	1
S RES 110.150	110 4,3	152 6	150,4	1
S RES 110.200	110 4,3	202 8	195,1	1
S RES 110.300	110 4,3	302 11,9	283,0	1
S RES 110.400	110 4,3	402 15,8	386,2	1
F RES 110.100 F	110 4,3	102 4	127,6	1
F RES 110.150 F	110 4,3	152 6	161,7	1
F RES 110.200 F	110 4,3	202 8	209,7	1
F RES 110.300 F	110 4,3	302 11,9	304,2	1
F RES 110.400 F	110 4,3	402 15,8	415,2	1



Horizontal Tee

with integrated splice

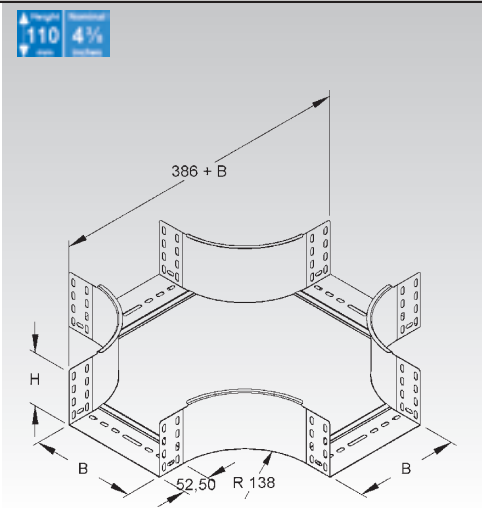
	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RTS 110.100	110	4,3	102	4	153,9	1
S	RTS 110.150	110	4,3	152	6	187,5	1
S	RTS 110.200	110	4,3	202	8	237,4	1
S	RTS 110.300	110	4,3	302	11,9	330,8	1
S	RTS 110.400	110	4,3	402	15,8	439,8	1
F	RTS 110.100 F	110	4,3	102	4	165,4	1
F	RTS 110.150 F	110	4,3	152	6	201,6	1
F	RTS 110.200 F	110	4,3	202	8	255,2	1
F	RTS 110.300 F	110	4,3	302	11,9	355,6	1
F	RTS 110.400 F	110	4,3	402	15,8	472,8	1



Horizontal Cross

with integrated splice

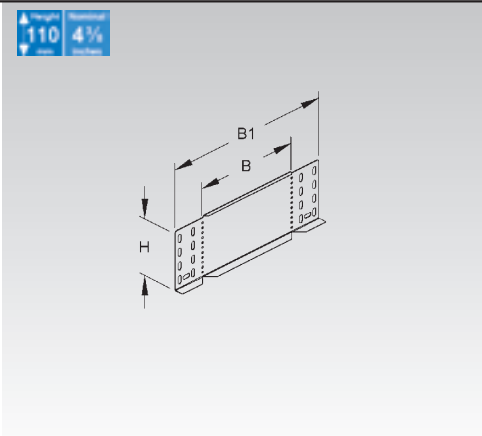
	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RKS 110.100	110	4,3	102	4	194,4	1
S	RKS 110.150	110	4,3	152	6	233,9	1
S	RKS 110.200	110	4,3	202	8	277,4	1
S	RKS 110.300	110	4,3	302	11,9	376,2	1
S	RKS 110.400	110	4,3	402	15,8	490,7	1
F	RKS 110.100 F	110	4,3	102	4	208,9	1
F	RKS 110.150 F	110	4,3	152	6	251,5	1
F	RKS 110.200 F	110	4,3	202	8	298,2	1
F	RKS 110.300 F	110	4,3	302	11,9	404,4	1
F	RKS 110.400 F	110	4,3	402	15,8	527,5	1



Reducer / Blind End

	model no.	height H		width B		width B1		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch		
S	RA 110.050	110	4,3	50	2	172		15	20
S	RA 110.150	110	4,3	150	5,9	272		26	20
S	RA 110.350	110	4,3	350	13,8	472		47	20
S	RA 110.400	110	4,3	400	15,7	522		52	20
F	RA 110.050 F	110	4,3	50	2	172		15	1
F	RA 110.150 F	110	4,3	150	5,9	272		26	1
F	RA 110.200 F	110	4,3	200	7,9	322		31	1
F	RA 110.350 F	110	4,3	350	13,8	472		47	1
F	RA 110.400 F	110	4,3	400	15,7	522		52	1
E3	RA 110.050 E3	110	4,3	50	2	172		15	20
E3	RA 110.200 E3	110	4,3	200	7,9	322		31	20
E3	RA 110.400 E3	110	4,3	400	15,7	522		52	20

can be used as blind end or as reducer for cable trays



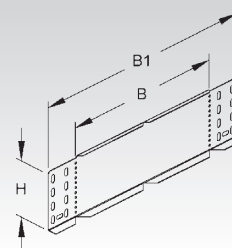
CABLE TRAY SYSTEM

Adjustable Horizontal Splice / Reducer / Blind End

	model no.	height H		width B		width B1		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch		
S	RAW 110.100	110	4,3	100	3,9	222		21,0	20
S	RAW 110.300	110	4,3	300	11,8	422		41,0	20
F	RAW 110.100 F	110	4,3	100	3,9	222		22,8	1
F	RAW 110.300 F	110	4,3	300	11,8	422		41,0	1
E3	RAW 110.100 E3	110	4,3	100	3,9	222		21,0	20
E3	RAW 110.300 E3	110	4,3	300	11,8	422		41,0	20

adjustable horizontal splice plate for solid and ventilated cable tray
can be used as blind end or as reducer for cable trays

Height
110
mm
4%
Slope

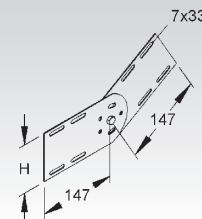


Adjustable Vertical Splice Plate

	model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	RGV 110	93	3,7	40,99	25
F	RGV 110 F	93	3,7	44,51	25
E3	RGV 110 E3	93	3,7	28,98	25

2 pieces required per joint

Height
110
mm
4%
Slope

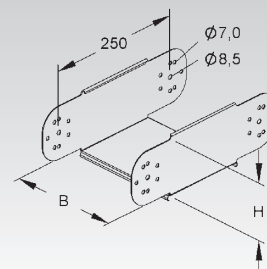


Splice / Link Kit

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RGE 110.100	110	4,3	100	3,9	66	1
S	RGE 110.150	110	4,3	150	5,9	71	1
S	RGE 110.200	110	4,3	200	7,9	79	1
S	RGE 110.300	110	4,3	300	11,8	91	1
S	RGE 110.400	110	4,3	400	15,7	103	1
F	RGE 110.100 F	110	4,3	100	3,9	66	1
F	RGE 110.150 F	110	4,3	150	5,9	71	1
F	RGE 110.200 F	110	4,3	200	7,9	79	1
F	RGE 110.300 F	110	4,3	300	11,8	91	1
F	RGE 110.400 F	110	4,3	400	15,7	103	1

for linking sections of tray with a vertical displacement

Height
110
mm
4%
Slope

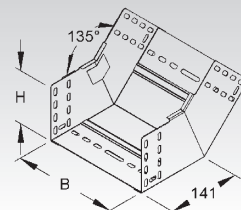


Vertical Inside Elbow 45°

with integrated splice

	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RSB 110.100	110	4,3	102	4	70,3	1
S	RSB 110.150	110	4,3	152	6	82,3	1
S	RSB 110.200	110	4,3	202	8	91,8	1
S	RSB 110.300	110	4,3	302	11,9	113,4	1
S	RSB 110.400	110	4,3	402	15,8	134,9	1

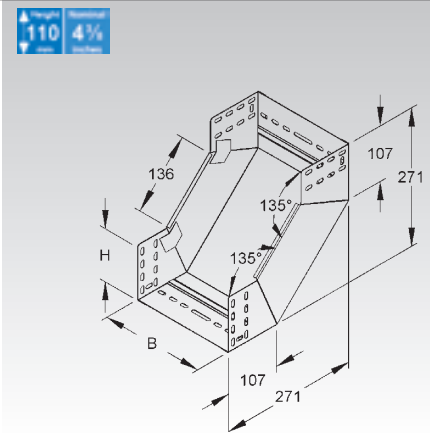
Height
110
mm
4%
Slope



Vertical Inside Elbow 90°

with integrated splice

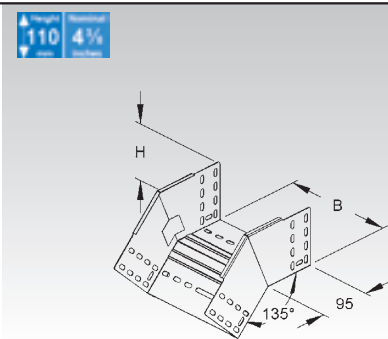
	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RSD 110.100	110	4,3	102	4	106,00	1
S	RSD 110.150	110	4,3	152	6	123,40	1
S	RSD 110.200	110	4,3	202	8	141,00	1
S	RSD 110.300	110	4,3	302	11,9	175,00	1
S	RSD 110.400	110	4,3	402	15,8	216,09	1



Vertical Outside Elbow 45°

with integrated splice

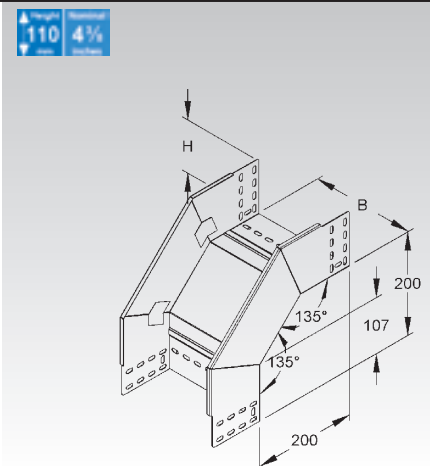
	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RFB 110.100	110	4,3	102	4	62,0	1
S	RFB 110.150	110	4,3	152	6	70,6	1
S	RFB 110.200	110	4,3	202	8	76,5	1
S	RFB 110.300	110	4,3	302	11,9	91,0	1
S	RFB 110.400	110	4,3	402	15,8	105,4	1



Vertical Outside Elbow 90°

with integrated splice

	model no.	height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	RFD 110.100	110	4,3	102	4	113,0	1
S	RFD 110.150	110	4,3	152	6	126,9	1
S	RFD 110.200	110	4,3	202	8	140,0	1
S	RFD 110.300	110	4,3	302	11,9	167,0	1
S	RFD 110.400	110	4,3	402	15,8	194,0	1

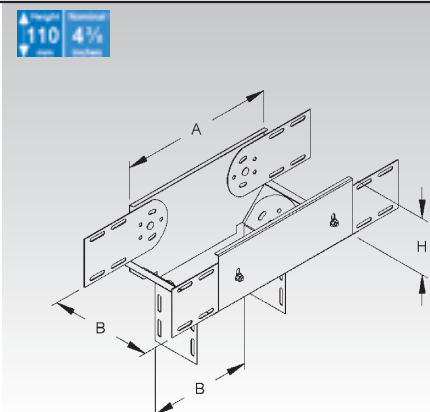


Vertical Tee Down, lengthwise

with integrated splice

	model no.	height H		width B		length A		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch		
S	RTL 110.150	110	4,3	150	5,9	251	9,9	210,00	1
S	RTL 110.200	110	4,3	200	7,9	301	11,9	242,71	1
S	RTL 110.300	110	4,3	300	11,8	501	19,7	380,00	1
S	RTL 110.400	110	4,3	400	15,7	801	31,5	691,27	1

Size of run and tap tray is identical.



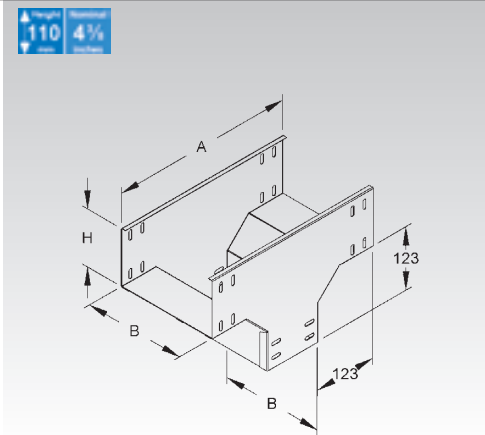
CABLE TRAY SYSTEM

Vertical Tee Down, crosswise

with integrated splice

	model no.	height H		width B		length A		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch		
S	RTQ 110.100	110	4,3	100	3,9	361	14,2	142,35	1
S	RTQ 110.150	110	4,3	150	5,9	361	14,2	159,63	1
S	RTQ 110.200	110	4,3	200	7,9	361	14,2	178,51	1
S	RTQ 110.300	110	4,3	300	11,8	361	14,2	213,07	1
S	RTQ 110.400	110	4,3	400	15,7	361	14,2	249,23	1

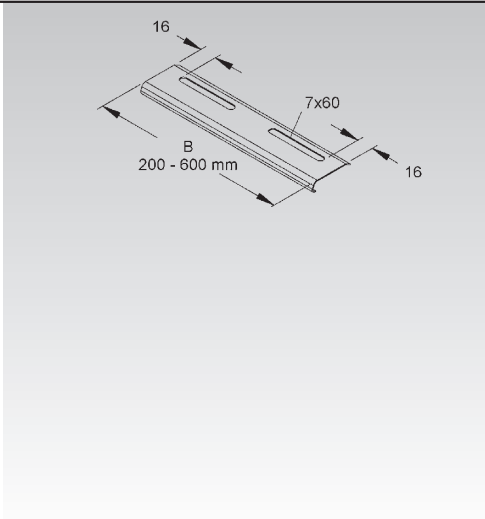
Size of run and tap tray is identical.



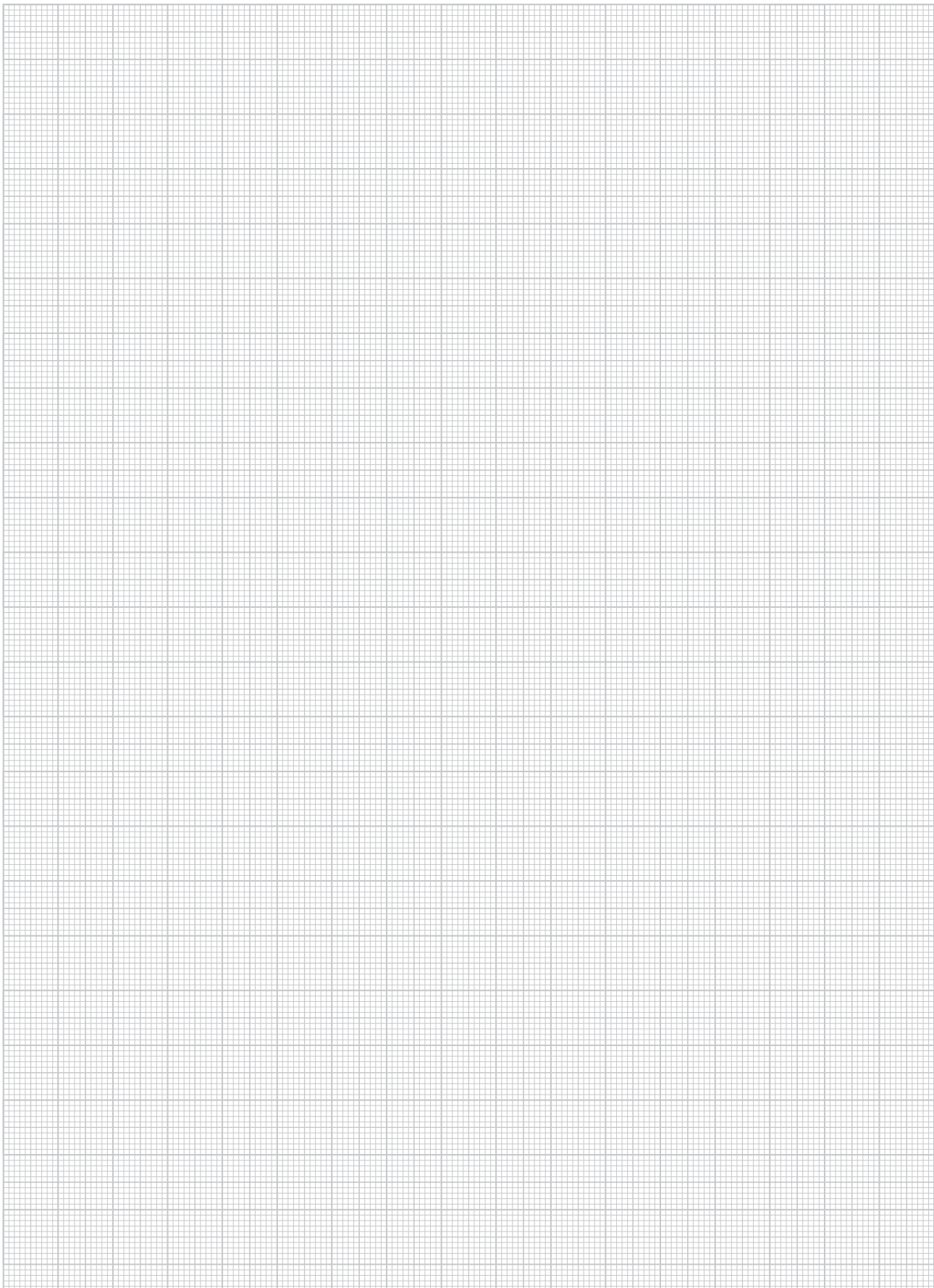
Edge Protection Plate

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	RKB 100	92	3,6	4,22	10
S	RKB 150	142	5,6	6,82	10
S	RKB 200	192	7,6	8,77	10
S	RKB 300	292	11,5	12,84	10
S	RKB 400	392	15,4	16,91	10
F	RKB 100 F	92	3,6	4,66	50
F	RKB 150 F	142	5,6	7,54	50
F	RKB 200 F	192	7,6	9,69	50
F	RKB 300 F	292	11,5	14,16	50
F	RKB 400 F	392	15,4	18,64	50
E3	RKB 100 E3	92	3,6	4,35	10
E3	RKB 200 E3	192	7,6	9,04	10
E3	RKB 300 E3	292	11,5	13,13	10
E3	RKB 400 E3	392	15,4	17,23	10

with rounded edges to protect cables at the joint and to reinforce the bottom of cable trays



NOTES

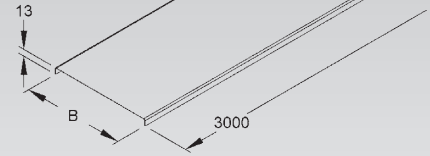


CABLE TRAY SYSTEM COVERS

Cover for Cable Tray / Ladder

model no.	inside dimension (B) mm Inch	Weight per 100 m kg	Pack / Box Qty
S RD 100	100 3,9	73,00	2 x 3 m
S RD 150	150 5,9	102,42	2 x 3 m
S RD 200	200 7,9	131,90	2 x 3 m
S RD 300	300 11,8	228,80	2 x 3 m
S RD 400	400 15,7	332,70	2 x 3 m
S RD 500	500 19,7	411,20	2 x 3 m
S RD 600	600 23,6	489,70	2 x 3 m
F RD 100 F	100 3,9	80,30	2 x 3 m
F RD 150 F	150 5,9	112,70	2 x 3 m
F RD 200 F	200 7,9	145,00	2 x 3 m
F RD 300 F	300 11,8	251,70	2 x 3 m
F RD 400 F	400 15,7	366,00	2 x 3 m
F RD 500 F	500 19,7	452,30	2 x 3 m
F RD 600 F	600 23,6	538,70	2 x 3 m
E3 RD 100 E3	100 3,9	78,33	2 x 3 m
E3 RD 200 E3	200 7,9	141,53	2 x 3 m
E3 RD 300 E3	300 11,8	203,47	2 x 3 m
E3 RD 400 E3	400 15,7	266,67	2 x 3 m
E3 RD 500 E3	500 19,7	372,49	2 x 3 m
E3 RD 600 E3	600 23,6	443,59	2 x 3 m

Suitable for: all straight sections of cable tray (other than RSV 50...) as well as for KL... cable ladders
For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.

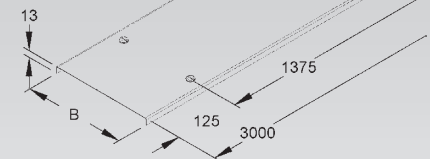


Cover for Cable Tray / Ladder

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 m kg	Pack / Box Qty
S RDV 100	100 3,9	74,40	2 x 3 m
S RDV 150	150 5,9	103,80	2 x 3 m
S RDV 200	200 7,9	133,20	2 x 3 m
S RDV 300	300 11,8	230,20	2 x 3 m
S RDV 400	400 15,7	334,10	2 x 3 m
S RDV 500	500 19,7	412,60	2 x 3 m
S RDV 600	600 23,6	491,10	2 x 3 m
F RDV 100 F	100 3,9	81,80	2 x 3 m
F RDV 150 F	150 5,9	114,20	2 x 3 m
F RDV 200 F	200 7,9	146,60	2 x 3 m
F RDV 300 F	300 11,8	253,20	2 x 3 m
F RDV 400 F	400 15,7	367,50	2 x 3 m
F RDV 500 F	500 19,7	453,80	2 x 3 m
F RDV 600 F	600 23,6	540,20	2 x 3 m
E3 RDV 100 E3	100 3,9	80,42	2 x 3 m
E3 RDV 200 E3	200 7,9	143,62	2 x 3 m
E3 RDV 300 E3	300 11,8	205,56	2 x 3 m
E3 RDV 400 E3	400 15,7	268,76	2 x 3 m
E3 RDV 500 E3	500 19,7	374,58	2 x 3 m
E3 RDV 600 E3	600 23,6	445,68	2 x 3 m

Suitable for: all straight sections of cable tray (other than RSV 50...) as well as for KL... cable ladders
For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



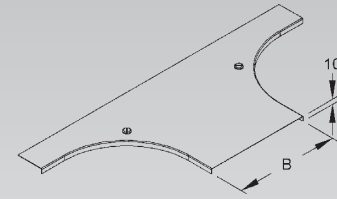
Cover for Horizontal Extension Tee

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RTADV 100	104 4,1	50	1
S RTADV 150	154 6,1	60	1
S RTADV 200	204 8	70	1
S RTADV 300	304 12	90	1
S RTADV 400	404 15,9	140	1
S RTADV 500	504 19,8	160	1
S RTADV 600	604 23,8	190	1
F RTADV 100 F	104 4,1	50	1
F RTADV 150 F	154 6,1	60	1
F RTADV 200 F	204 8	70	1
F RTADV 300 F	304 12	90	1
F RTADV 400 F	404 15,9	140	1
F RTADV 500 F	504 19,8	160	1
F RTADV 600 F	604 23,8	190	1
E3 RTADV 100 E3	104 4,1	50	1
E3 RTADV 200 E3	204 8	70	1
E3 RTADV 300 E3	304 12	90	1
E3 RTADV 400 E3	404 15,9	140	1
E3 RTADV 500 E3	504 19,8	160	1
E3 RTADV 600 E3	604 23,8	190	1

Suitable for: RTA... extension horizontal tees

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



Cover for Flexible Horizontal Fitting

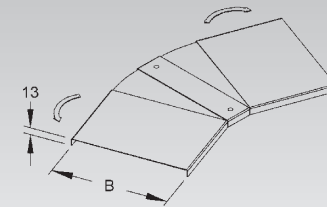
model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RBAVD 100	102 4	32,50	1
S RBAVD 150	152 6	61,00	1
S RBAVD 200	202 8	97,65	1
S RBAVD 300	302 11,9	198,20	1
S RBAVD 400	402 15,8	332,60	1
S RBAVD 500	502 19,8	501,80	1
S RBAVD 600	602 23,7	705,20	1

adjustable from 0 - 90°

Suitable for: RBAV... flexible horizontal elbow

RDHF... cover clamps shall not be used when covers are installed vertically.

4 x RDHF 9 E2 cover clips required per cover. Please order separately.



CABLE TRAY SYSTEM COVERS

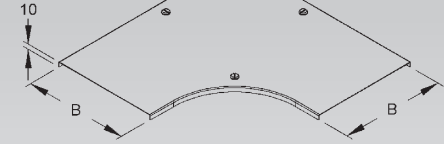
Cover for 90° Horizontal Elbow

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	RESDV 100	104 4,1	38,80	1
S	RESDV 150	154 6,1	77,40	1
S	RESDV 200	204 8	96,60	1
S	RESDV 300	304 12	160,80	1
S	RESDV 400	404 15,9	239,60	1
S	RESDV 500	504 19,8	368,50	1
S	RESDV 600	604 23,8	487,00	1
F	RESDV 100 F	104 4,1	42,90	1
F	RESDV 150 F	154 6,1	85,10	1
F	RESDV 200 F	204 8	106,30	1
F	RESDV 300 F	304 12	176,90	1
F	RESDV 400 F	404 15,9	263,60	1
F	RESDV 500 F	504 19,8	405,40	1
F	RESDV 600 F	604 23,8	535,70	1
E3	RESDV 100 E3	104 4,1	42,60	1
E3	RESDV 200 E3	204 8	87,24	1
E3	RESDV 300 E3	304 12	144,51	1
E3	RESDV 400 E3	404 15,9	267,58	1
E3	RESDV 500 E3	504 19,8	370,82	1
E3	RESDV 600 E3	604 23,8	489,87	1

Suitable for: RES... horizontal 90° elbows

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



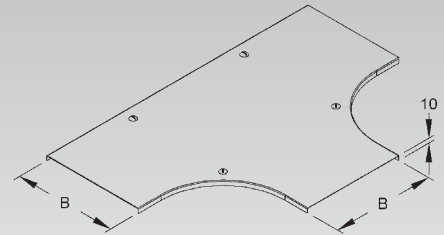
Cover for Horizontal Tee

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	RTSDV 100	104 4,1	72,04	1
S	RTSDV 150	154 6,1	104,94	1
S	RTSDV 200	204 8	141,76	1
S	RTSDV 300	304 12	227,18	1
S	RTSDV 400	404 15,9	328,30	1
S	RTSDV 500	504 19,8	445,13	1
S	RTSDV 600	604 23,8	577,65	1
F	RTSDV 100 F	104 4,1	80,40	1
F	RTSDV 150 F	154 6,1	80,00	1
F	RTSDV 200 F	204 8	157,00	1
F	RTSDV 300 F	304 12	251,20	1
F	RTSDV 400 F	404 15,9	362,30	1
F	RTSDV 500 F	504 19,8	490,80	1
F	RTSDV 600 F	604 23,8	636,50	1

Suitable for: RTS... horizontal tee

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



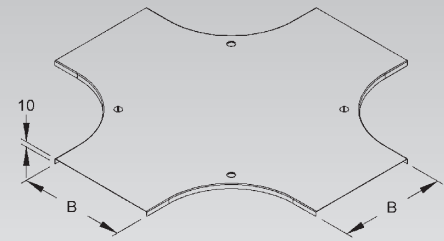
Cover for Horizontal Cross

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RKSDV 100	104 4,1	96,4	1
S RKSDV 150	154 6,1	136,4	1
S RKSDV 200	204 8	180,4	1
S RKSDV 300	304 12	280,1	1
S RKSDV 400	404 15,9	395,5	1
S RKSDV 500	504 19,8	526,6	1
S RKSDV 600	604 23,8	673,4	1
F RKSDV 100 F	104 4,1	103,6	1
F RKSDV 150 F	154 6,1	146,6	1
F RKSDV 200 F	204 8	193,9	1
F RKSDV 300 F	304 12	301,1	1
F RKSDV 400 F	404 15,9	425,1	1
F RKSDV 500 F	504 19,8	566,0	1
F RKSDV 600 F	604 23,8	723,8	1

Suitable for: RKS... horizontal crosses

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



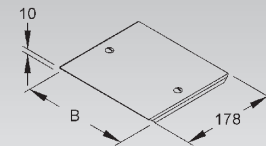
Cover for Vertical Outside Elbow Kit

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RFSDDV 60.100	104 4,1	18	1
S RFSDDV 60.150	154 6,1	25	1
S RFSDDV 60.200	204 8	32	1
S RFSDDV 60.300	304 12	46	1

Suitable for: vertical inside/outside elbow kit with a side rail height of 60 mm, type RFD 60... and RSD 60...

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



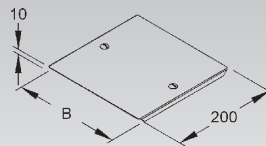
Cover for Vertical Outside Elbow Kit

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RFDDV 85.100	104 4,1	20,7	1
S RFDDV 85.200	204 8	36,4	1
S RFDDV 85.300	304 12	52,1	1
S RFDDV 85.400	404 15,9	67,8	1
S RFDDV 85.500	504 19,8	83,5	1
S RFDDV 85.600	604 23,8	99,2	1

Suitable for: vertical inside/outside elbow kit with a side rail height of 85 mm, type RFD 85...

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



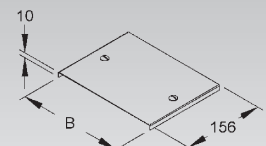
Cover for Vertical Inside Elbow

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RSDDV 85.100	104 4,1	16,4	1
S RSDDV 85.200	204 8	28,7	1
S RSDDV 85.300	304 12	40,9	1
S RSDDV 85.400	404 15,9	53,2	1
S RSDDV 85.500	504 19,8	65,4	1
S RSDDV 85.600	604 23,8	77,7	1

Suitable for: cable tray vertical inside/outside elbow for side rail height of 85 mm, type RSD 85...

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



CABLE TRAY SYSTEM COVERS

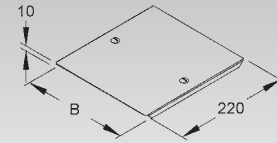
Cover for Vertical Outside Elbow Kit

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RFDDV 110.100	104 4,1	22,60	1
S RFDDV 110.200	204 8	39,31	1
S RFDDV 110.300	304 12	57,10	1
S RFDDV 110.400	404 15,9	74,40	1

Suitable for: vertical inside/outside elbow kit with a side rail height of 110 mm, type RFD 110...

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



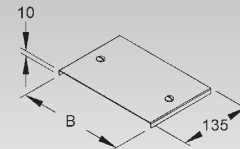
Cover for Vertical Inside Elbow

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S RSDDV 110.100	104 4,1	14,40	1
S RSDDV 110.200	204 8	24,69	1
S RSDDV 110.300	304 12	35,60	1
S RSDDV 110.400	404 15,9	46,20	1

Suitable for: cable tray vertical inside/outside elbow for side rail height of 110 mm, type RSD 110 ...

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



Turn-bolt Lock

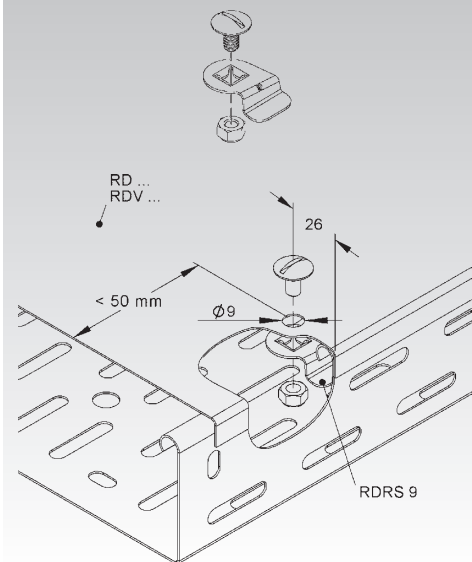
locking nut included

model no.	Weight per 100 pcs kg	Pack / Box Qty
S RDRS 9	1,2	100
F RDRS 9 F	1,6	100
E3 RDRS 9 E3	1,6	100

for field modifications of covers

Suitable for: fitting covers

Turnbolt locks or cover clamps need to be installed at a minimum distance of 50 mm (2") from each end of the cover.



Turn-bolt Lock

locking nut included

model no.	Weight per 100 pcs kg	Pack / Box Qty
S RDRS 2	1,3	100
E3 RDRS 2 E3	1,5	100

for field modifications of covers

Suitable for: distribution cable tray covers and fittings in 100 mm width

Turnbolt locks or cover clamps need to be installed at a minimum distance of 50 mm (2") from each end of the cover.



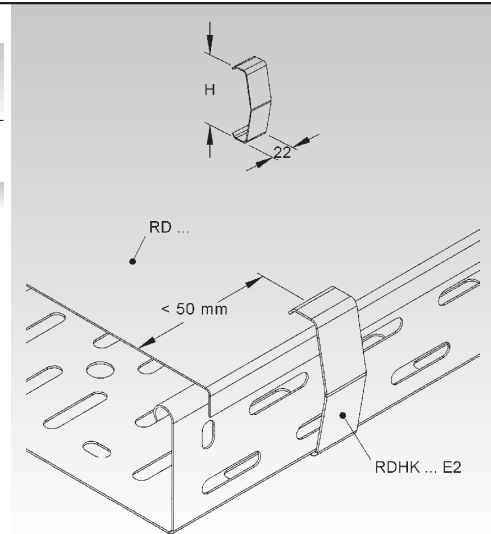
Cover Clamp

	model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
E2	RDHK 60 E2	58	2,3	1,71	50
E2	RDHK 110 E2	108	4,3	2,57	50

for fixing covers without turnbolt locks on cable trays

Suitable for: RD... cable tray covers

For horizontally mounted covers only. Please maintain a minimum distance of 50 mm from both ends of the cover.



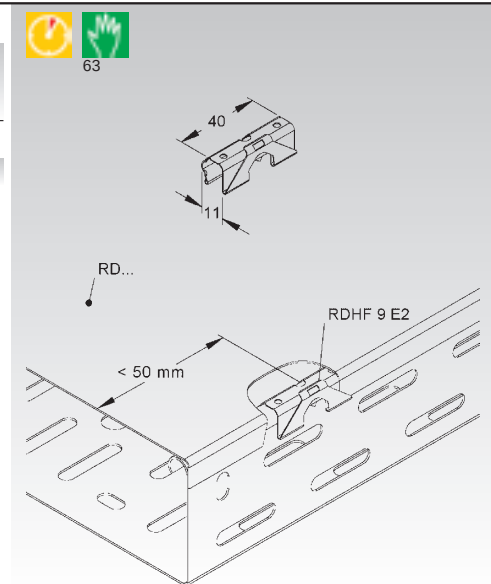
Cover Clamp

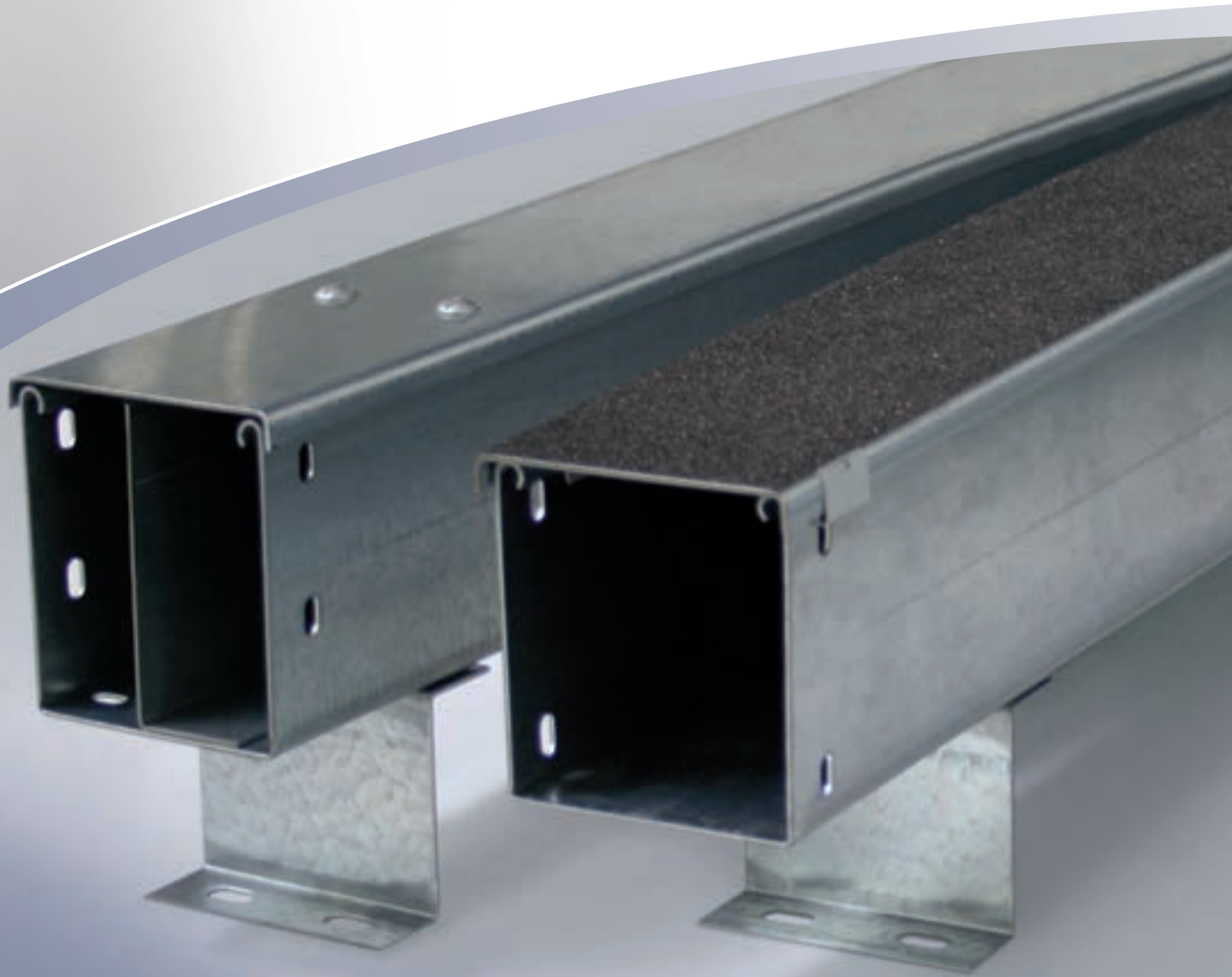
	model no.	Weight per 100 pcs kg	Pack / Box Qty
E2	RDHF 9 E2	0,47	60

for fixing covers without turnbolt locks on cable trays

Suitable for: RD... cable tray covers

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.





Walkable Cable Tray

Walkable Cable Tray

Covers

Barrier Strips

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 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

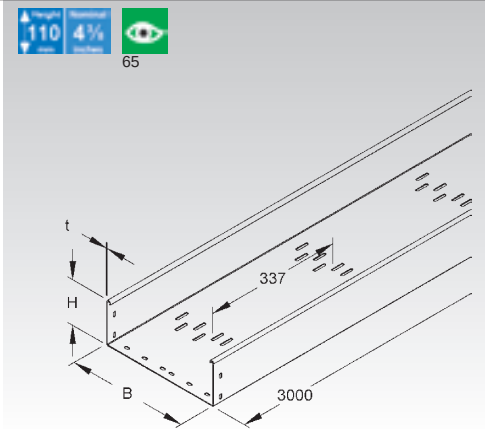
Walkable Cable Tray

splice not included

model no.	height H	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RSQS 110.100 OV	110 4,3	100 3,9	2	523,3	2 x 3 m
S RSQS 110.200 OV	110 4,3	200 7,9	2	675,0	2 x 3 m
S RSQS 110.300 OV	110 4,3	300 11,8	2	827,3	2 x 3 m
S RSQS 110.400 OV	110 4,3	400 15,7	2	980,3	2 x 3 m
S RSQS 110.500 OV	110 4,3	500 19,7	2	1.131,7	2 x 3 m
S RSQS 110.600 OV	110 4,3	600 23,6	2	1.286,0	2 x 3 m

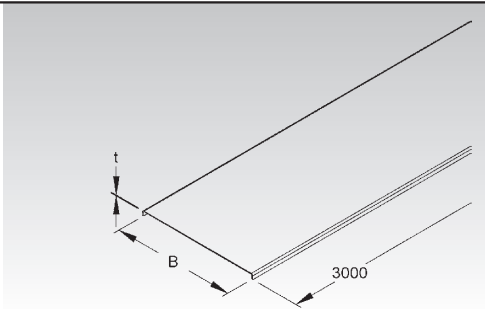
special punch holes for easy divider and floorstand mounting
with prepunched holes for splice plates

Splice plates RSUV 110-1.5 have to be ordered separately.



Heavy Duty Cover for Cable Tray

model no.	inside dimension (B)	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RDS 100	105 4,1	2	198,49	2 x 3 m
S RDS 200	205 8,1	2	358,60	2 x 3 m
S RDS 300	305 12	2	515,60	2 x 3 m
S RDS 400	405 15,9	2	672,60	2 x 3 m
S RDS 500	505 19,9	2	829,60	2 x 3 m
S RDS 600	605 23,8	2	986,60	2 x 3 m

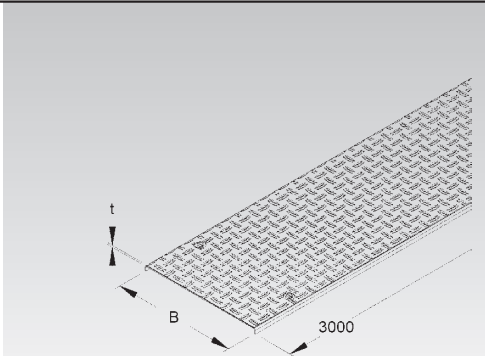


Heavy Duty Cover for Cable Tray

with reinforced turnbolt locks and aluminum checker plate

model no.	inside dimension (B)	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RDVSRSL 100	105 4,1	3,5	246,00	3 m
S RDVSRSL 200	205 8,1	3,5	458,39	3 m
S RDVSRSL 300	305 12	3,5	654,00	3 m
S RDVSRSL 400	405 15,9	3,5	859,00	3 m
S RDVSRSL 500	505 19,9	3,5	1.065,00	3 m
S RDVSRSL 600	605 23,8	3,5	1.270,00	3 m

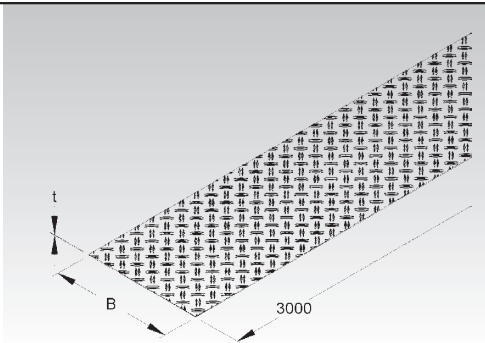
The thickness of the aluminum checker plate is 1.5 mm.



Aluminum Checker Plate

antislip plate for retrofitting covers

model no.	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
AL RRA 100-2.5 ALO	100 3,9	2,5	71,2	3 m
AL RRA 200-2.5 ALO	200 7,9	2,5	142,4	3 m
AL RRA 300-2.5 ALO	300 11,8	2,5	213,6	3 m
AL RRA 400-2.5 ALO	400 15,7	2,5	284,8	3 m
AL RRA 500-2.5 ALO	500 19,7	2,5	356,0	3 m
AL RRA 600-2.5 ALO	600 23,6	2,5	427,2	3 m



Barrier Strip

with slotted holes

model no.	height H	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RTSKQ 110-1.5 S	108 4,3	1,5	190,19	3 m
S RTSKQ 110-2.0 S	108 4,3	2,0	253,82	3 m

Recommended number of dividers to support walkable covers:

Width = 100 mm - 0 pieces

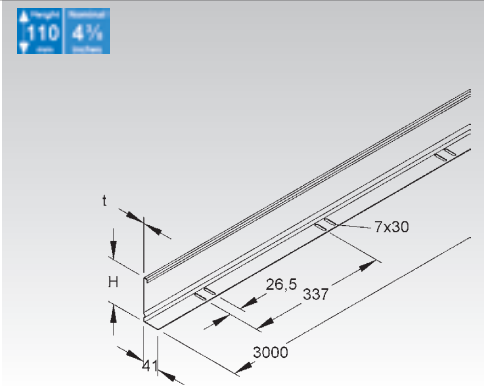
Width = 200 mm - 1 piece

Width = 300 mm - 1 piece

Width = 400 mm - 2 pieces

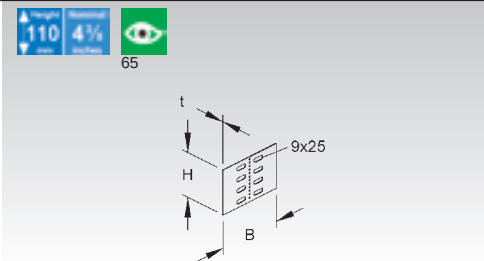
Width = 500 mm - 2 pieces

Width = 600 mm - 3 pieces



Universal Splice Plate

model no.	height H	width B	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RSUV 110-1.5	102 4	150 5,9	1,5	16	50

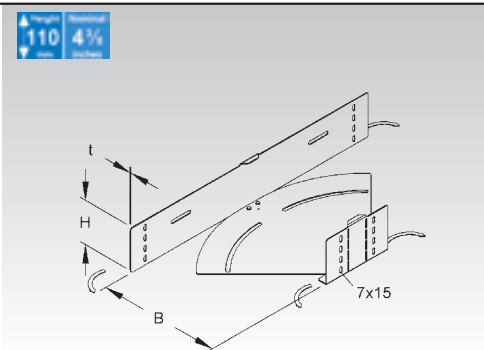


Flexible Horizontal Elbow 0-90°

with integrated splice

model no.	height H	inside dimension (B)	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch	mm		
S RBAVS 110.100	110 4,3	102 4	2	126,9	1
S RBAVS 110.200	110 4,3	202 8	2	197,1	1
S RBAVS 110.300	110 4,3	302 11,9	2	294,2	1
S RBAVS 110.400	110 4,3	402 15,8	2	409,9	1
S RBAVS 110.500	110 4,3	502 19,8	2	559,4	1
S RBAVS 110.600	110 4,3	602 23,7	2	728,9	1

solid but with prepunched holes for splice plates



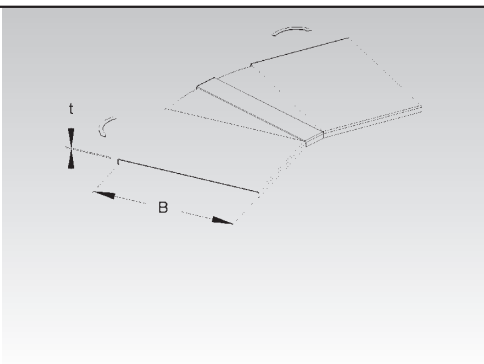
Cover for Flexible Horizontal Elbow

model no.	inside dimension (B)	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm		
S RBAVDS 100	105 4,1	2	170	1
S RBAVDS 200	205 8,1	2	310	1
S RBAVDS 300	305 12	2	510	1
S RBAVDS 400	405 15,9	2	780	1
S RBAVDS 500	505 19,9	2	1110	1
S RBAVDS 600	605 23,8	2	1520	1

adjustable from 0 - 90°

Suitable for: RBAVS... flexible heavy duty horizontal elbow

Four RDHFS 9V cover clips required per cover. Please order separately.



WALKABLE CABLE TRAY SYSTEM

Cover for Flexible Horizontal Fitting

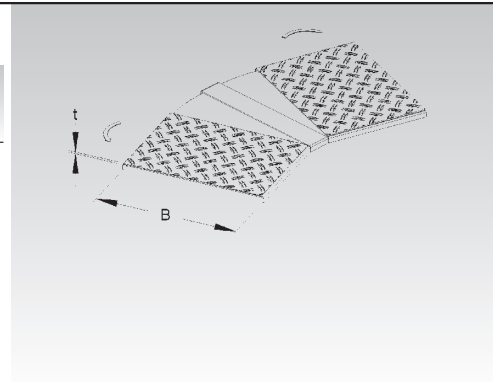
with heavy-duty aluminium checker plate

model no.	inside dimension (B) mm Inch	thickness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RBAVDSRS 100	105 4,1	4,5	180	1
S RBAVDSRS 200	205 8,1	4,5	340	1
S RBAVDSRS 300	305 12	4,5	580	1
S RBAVDSRS 400	405 15,9	4,5	900	1
S RBAVDSRS 500	505 19,9	4,5	1310	1
S RBAVDSRS 600	605 23,8	4,5	1800	1

The thickness of the aluminum checker plate is 2.5 mm.

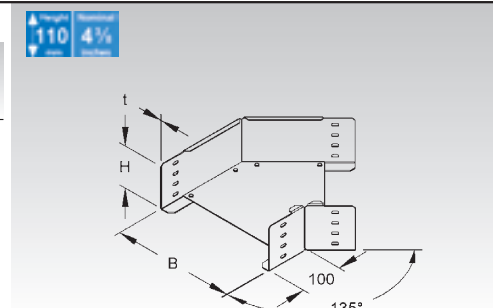
Suitable for: RBAVS... flexible heavy duty horizontal elbow

Four RDHFS 9V cover clips required per cover. Please order separately.



Horizontal Elbow 45°

model no.	height H mm Inch	inside dimension (B) mm Inch	thickness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RBAS 110.100	110 4,3	100 3,9	2	123,5	1
S RBAS 110.200	110 4,3	200 7,9	2	175,6	1
S RBAS 110.300	110 4,3	300 11,8	2	240,4	1
S RBAS 110.400	110 4,3	400 15,7	2	318,5	1
S RBAS 110.500	110 4,3	500 19,7	2	408,9	1
S RBAS 110.600	110 4,3	600 23,6	2	512,7	1

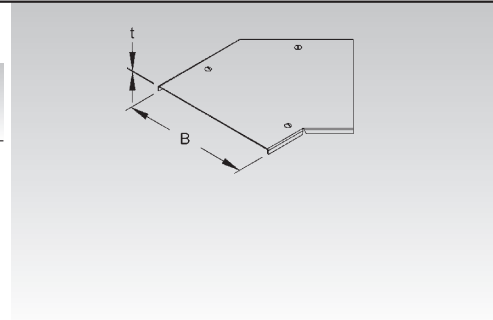


Cover for 45° Horizontal Elbow

with turnbolt locks

model no.	inside dimension (B) mm Inch	thickness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RBADVS 100	105 4,1	2	50	1
S RBADVS 200	205 8,1	2	102	1
S RBADVS 300	305 12	2	190	1
S RBADVS 400	405 15,9	2	240	1
S RBADVS 500	505 19,9	2	310	1
S RBADVS 600	605 23,8	2	440	1

Suitable for: RBAS... horizontal 45° elbows



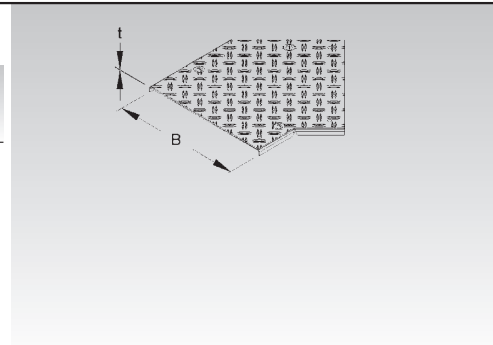
Cover for 45° Horizontal Elbow

with heavy-duty aluminium checker plate

model no.	inside dimension (B) mm Inch	thickness t mm	Weight per 100 kg	Pack / Box Qty
S RBADVSRSL 100 S	105 4,1	3,5	34,0	
S RBADVSRSL 200 S	205 8,1	3,5	71,0	
S RBADVSRSL 300 S	305 12	3,5	118,0	
S RBADVSRSL 400 S	405 15,9	3,5	174,0	
S RBADVSRSL 500 S	505 19,9	3,5	229,5	
S RBADVSRSL 600 S	605 23,8	3,5	316,0	

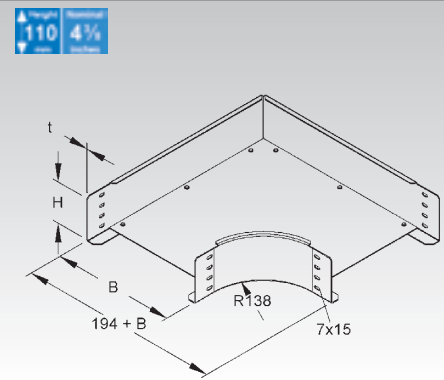
The thickness of the aluminum checker plate is 1.5 mm.

Suitable for: RBAS...horizontal 45° elbows



Horizontal Elbow 90°

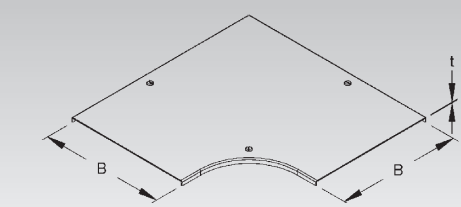
	model no.	height H		inside dimension (B)		thickness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RESS 110.100	110	4,3	100	3,9	2	269,5	1
S	RESS 110.200	110	4,3	200	7,9	2	405,5	1
S	RESS 110.300	110	4,3	300	11,8	2	571,7	1
S	RESS 110.400	110	4,3	400	15,7	2	770,0	1
S	RESS 110.500	110	4,3	500	19,7	2	999,4	1
S	RESS 110.600	110	4,3	600	23,6	2	1.259,7	1



Cover for 90° Horizontal Elbow

with turnbolt locks

	model no.	inside dimension (B)		thickness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch			
S	RESDVS 100	105	4,1	2	103,82	1
S	RESDVS 200	205	8,1	2	215,66	1
S	RESDVS 300	305	12	2	358,90	1
S	RESDVS 400	405	15,9	2	533,54	1
S	RESDVS 500	505	19,9	2	739,58	1
S	RESDVS 600	605	23,8	2	977,02	1

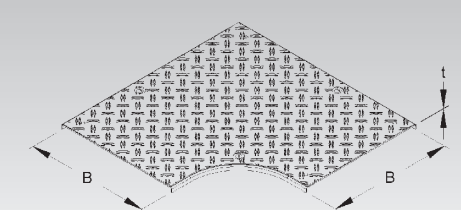


Suitable for: RESS... horizontal 90° elbows

Cover for 90° Horizontal Elbow

with reinforced turnbolt locks and aluminum checker plate

	model no.	inside dimension (B)		thickness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch			
S	RESDVSRSL 100	105	4,1	1,5	132,7	1
S	RESDVSRSL 200	205	8,1	1,5	281,1	1
S	RESDVSRSL 400	405	15,9	1,5	704,2	1
S	RESDVSRSL 300	305	12	1,5	471,7	1
S	RESDVSRSL 500	505	19,9	1,5	978,8	1
S	RESDVSRSL 600	605	23,8	1,5	1.295,5	1

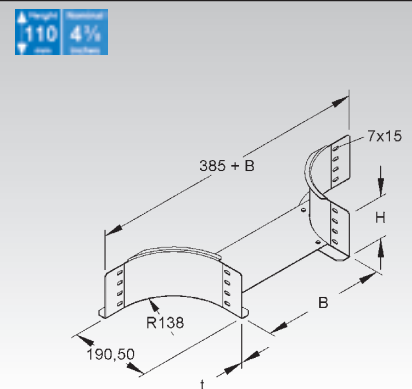


Suitable for: RESS... horizontal 90° elbows

Extension Horizontal Tee

with integrated splice

	model no.	height H		inside dimension (B)		thickness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	RTAS 110.100	110	4,3	100	3,9	2	185,74	1
S	RTAS 110.200	110	4,3	200	7,9	2	206,46	1
S	RTAS 110.300	110	4,3	300	11,8	2	227,19	1
S	RTAS 110.400	110	4,3	400	15,7	2	247,91	1
S	RTAS 110.500	110	4,3	500	19,7	2	268,63	1
S	RTAS 110.600	110	4,3	600	23,6	2	289,36	1



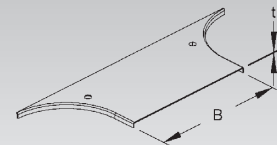
WALKABLE CABLE TRAY SYSTEM

Cover for Horizontal Extension Tee

with turnbolt locks

model no.	inside dimension (B) mm Inch	thick-ness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RTADVS 100	105 4,1	2	55,98	1
S RTADVS 200	205 8,1	2	86,20	1
S RTADVS 300	305 12	2	116,43	1
S RTADVS 400	405 15,9	2	146,65	1
S RTADVS 500	505 19,9	2	176,87	1
S RTADVS 600	605 23,8	2	207,09	1

Suitable for: RTAS... extension horizontal tees

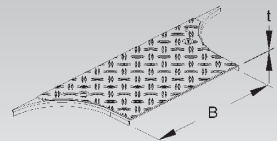


Cover for Horizontal Extension Tee

with reinforced turnbolt locks and aluminum checker plate

model no.	width B mm Inch	thick-ness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RTADVSRSL 100	105 4,1	2,5	67,07	1
S RTADVSRSL 200	205 8,1	2,5	128,00	1
S RTADVSRSL 300	305 12	2,5	173,00	1
S RTADVSRSL 400	405 15,9	2,5	162,90	1
S RTADVSRSL 500	505 19,9	2,5	215,51	1
S RTADVSRSL 600	605 23,8	2,5	234,12	1

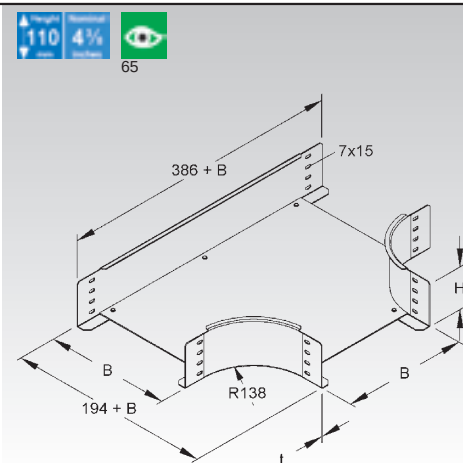
Suitable for: RTAS... extension horizontal tees



Horizontal Tee

with integrated splice

model no.	height H mm Inch	inside dimension (B) mm Inch	thick-ness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RTSS 110.100	110 4,3	100 3,9	2	351,0	1
S RTSS 110.200	110 4,3	200 7,9	2	483,4	1
S RTSS 110.300	110 4,3	300 11,8	2	648,8	1
S RTSS 110.400	110 4,3	400 15,7	2	845,8	1
S RTSS 110.500	110 4,3	500 19,7	2	1.072,7	1
S RTSS 110.600	110 4,3	600 23,6	2	1.330,7	1

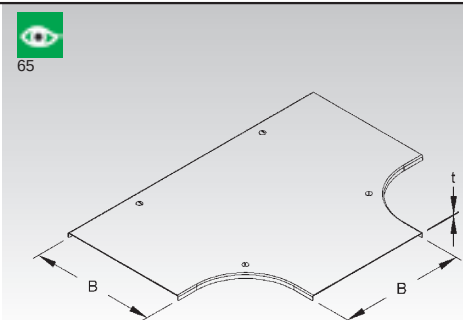


Cover for Horizontal Tee

with turnbolt locks

model no.	inside dimension (B) mm Inch	thick-ness t mm	Weight per 100 pcs kg	Pack / Box Qty
S RTSDVS 100	105 4,1	2	142	1
S RTSDVS 200	205 8,1	2	281	1
S RTSDVS 300	305 12	2	446	1
S RTSDVS 400	405 15,9	2	643	1
S RTSDVS 500	505 19,9	2	892	1
S RTSDVS 600	605 23,8	2	1136	1

Suitable for: RTSS... horizontal tee

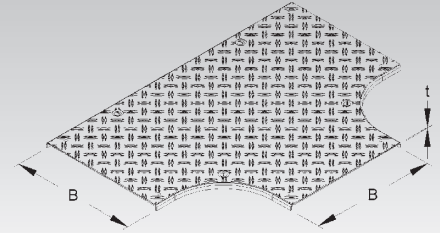


Cover for Horizontal Tee

with reinforced turnbolt locks and aluminum checker plate

model no.	inside dimension (B)	thickness t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm	kg	
S RTSDVSRSL 100	105 4,1	3,5	167,7	1
S RTSDVSRSL 200	205 8,1	3,5	371,7	1
S RTSDVSRSL 300	305 12	3,5	589,5	1
S RTSDVSRSL 400	405 15,9	3,5	882,0	1
S RTSDVSRSL 500	505 19,9	3,5	1.079,7	1
S RTSDVSRSL 600	605 23,8	3,5	1.495,8	1

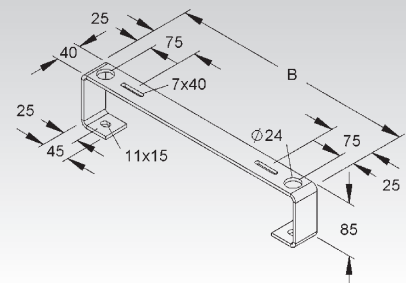
Suitable for: RTSS... horizontal tee



Universal Floor Mounting Bracket (height: 85 mm)

model no.	height H	width B	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
V RDB 85.100 V	85 3,3	100 3,9	58,5	1
V RDB 85.200 V	85 3,3	200 7,9	60,3	1
V RDB 85.300 V	85 3,3	300 11,8	76,0	1
V RDB 85.400 V	85 3,3	400 15,7	91,7	1
V RDB 85.500 V	85 3,3	500 19,7	107,4	1
V RDB 85.600 V	85 3,3	600 23,6	123,1	1

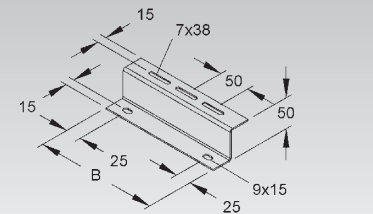
↑ 85 mm
↓ 3% weight



Floor Mounting Bracket (height: 50 mm)

with slotted holes

model no.	height H	width B	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	kg	
S RZP 50/100	50 2	100 3,9	16	10
S RZP 50/200	50 2	200 7,9	32	10
S RZP 50/300	50 2	300 11,8	48	10
S RZP 50/400	50 2	400 15,7	64	10
S RZP 50/500	50 2	500 19,7	80	10
S RZP 50/600	50 2	600 23,6	96	10



Alternate mounting of Z-shaped bracket is highly recommended.



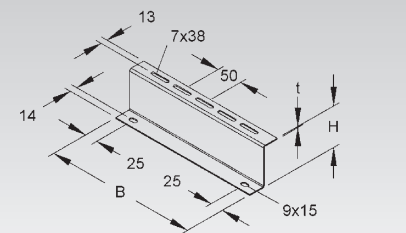
Floor Mounting Bracket (height: 80 mm)

with slotted holes

model no.	height H	width B	thickness t	Weight per 100 pcs	Pack / Box Qty
	mm Inch	mm Inch	mm	kg	
S RZP 80/100	80 3,1	100 3,9	2	20	10
S RZP 80/200	80 3,1	200 7,9	2	41	10
S RZP 80/300	80 3,1	300 11,8	2	61	10
S RZP 80/400	80 3,1	400 15,7	2	82	10
S RZP 80/500	80 3,1	500 19,7	2	102	10
S RZP 80/600	80 3,1	600 23,6	2	122	10

Alternate mounting of Z-shaped bracket is highly recommended.

65



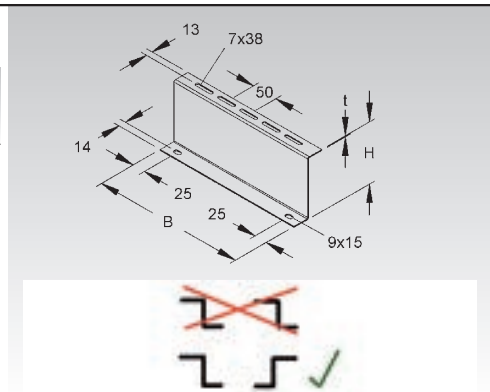
WALKABLE CABLE TRAY SYSTEM

Floor Mounting Bracket (height: 110 mm)

with slotted holes

	model no.	height H		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
★ S	RZP 110/100 S	110	4,3	100	3,9	2	27,46	10
★ S	RZP 110/200 S	110	4,3	200	7,9	2	53,21	10
★ S	RZP 110/300 S	110	4,3	300	11,8	2	78,97	10
★ S	RZP 110/400 S	110	4,3	400	15,7	2	104,73	10
★ S	RZP 110/500 S	110	4,3	500	19,7	2	130,49	10
★ S	RZP 110/600 S	110	4,3	600	23,6	2	156,25	10
★ S	RZP 110/3000 S	110	4,3	3000	118,1	2	755,80	1

Alternate mounting of Z-shaped bracket is highly recommended.



Turn-bolt Lock

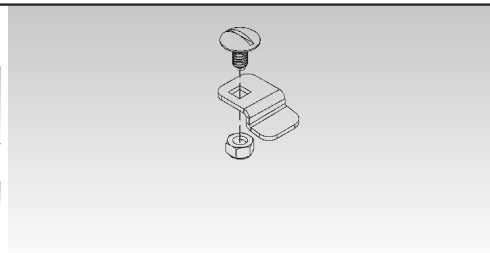
heavy-duty version

model no.	thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
S RDRS 9X2	2	2,1	20

for field modifications of covers

Suitable for: RDS... and RDVS... walkable cable tray covers

Please allow a minimum distance of 50 mm / 2" for the turn bolt locks from both ends of the cover.

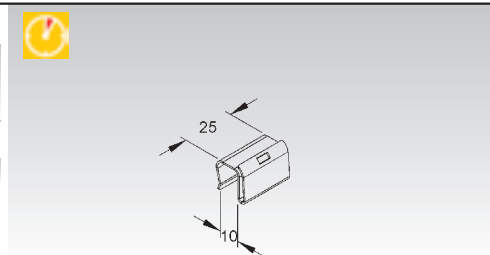


Cover Clamp

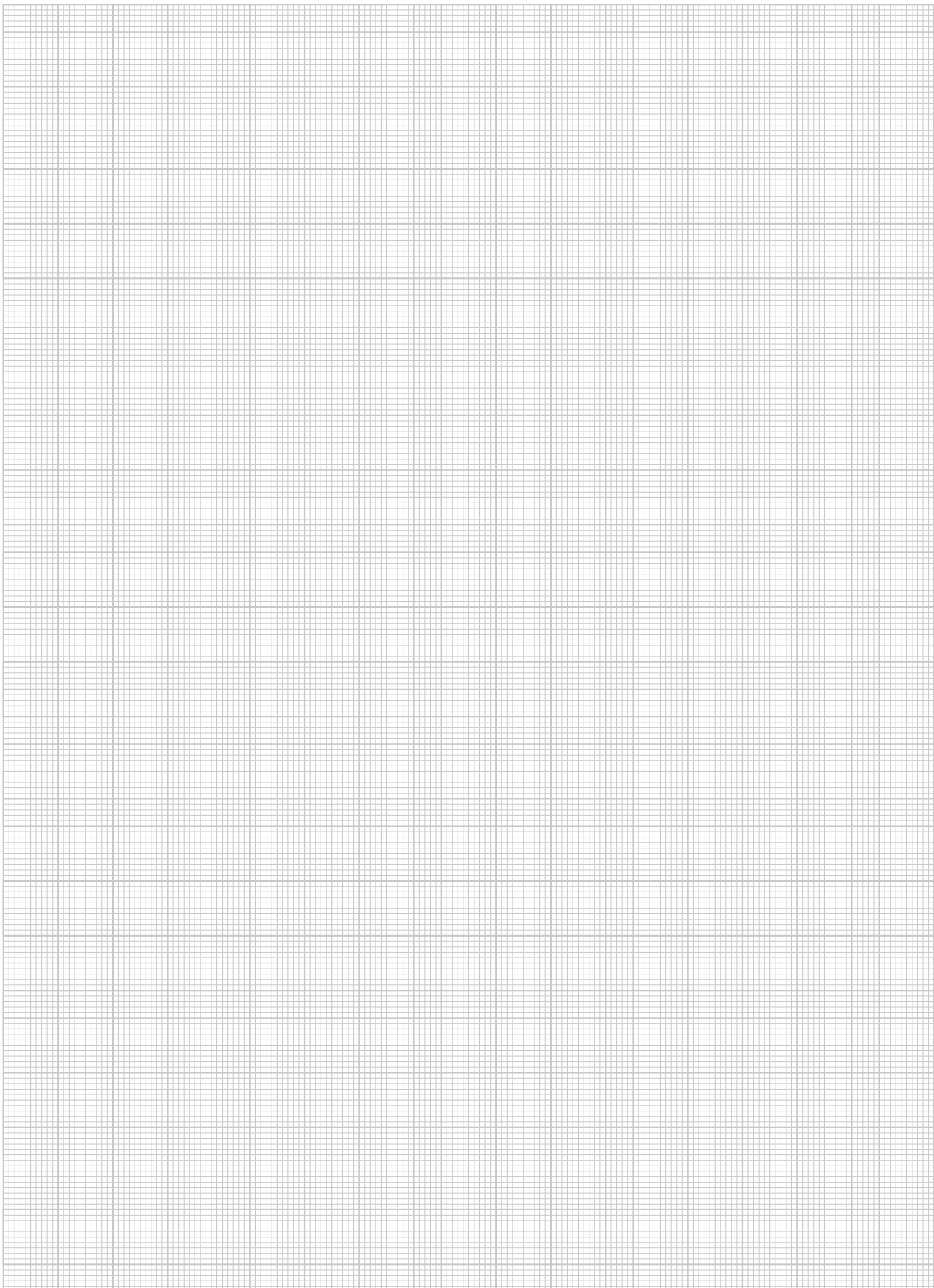
model no.	Weight per 100 pcs kg	Pack / Box Qty
V RDHFS 9 V	0,92	60

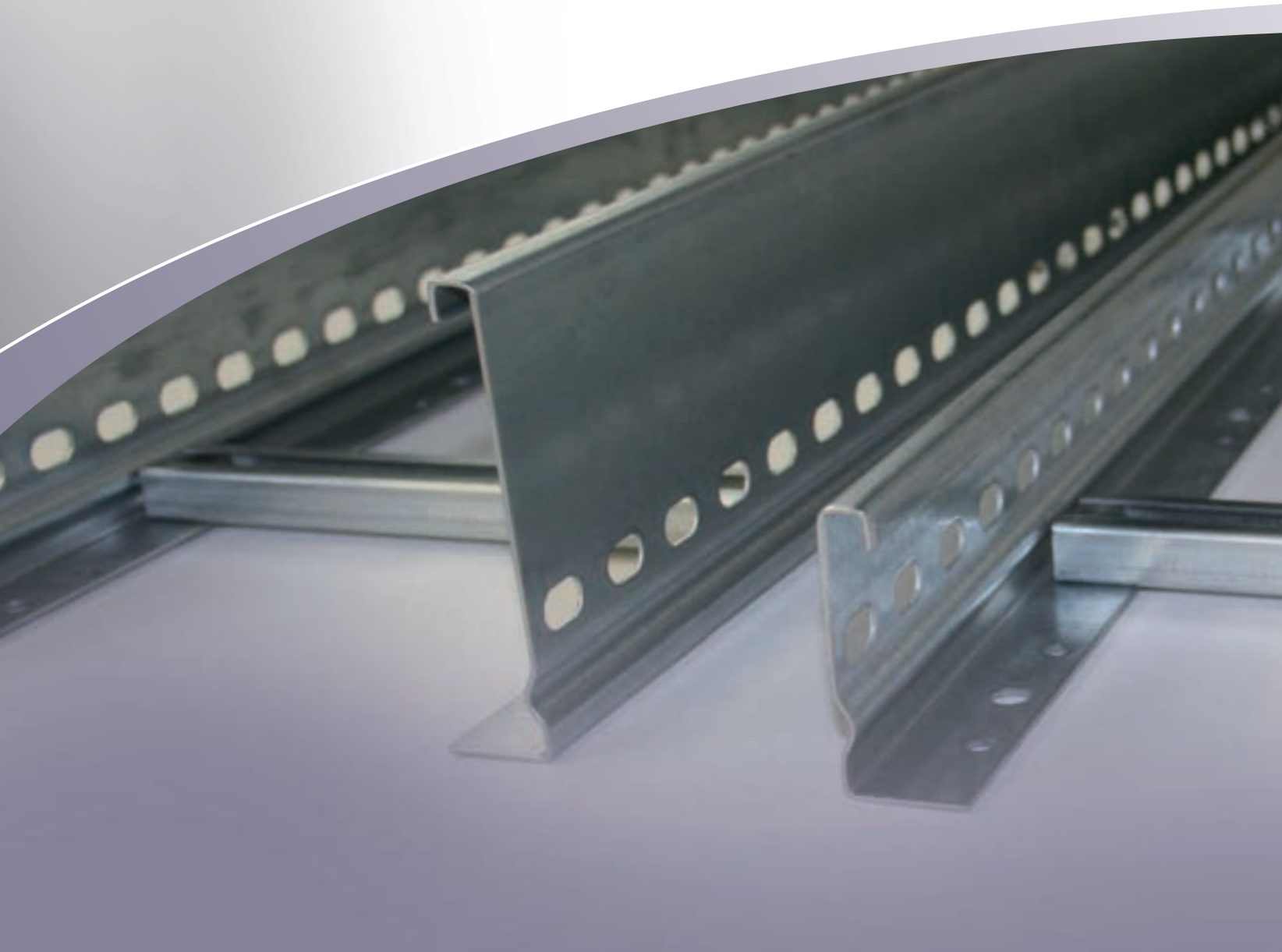
for attaching covers

Please allow a minimum distance of 50 mm / 2" for the turn bolt locks from both ends of the cover.



NOTES





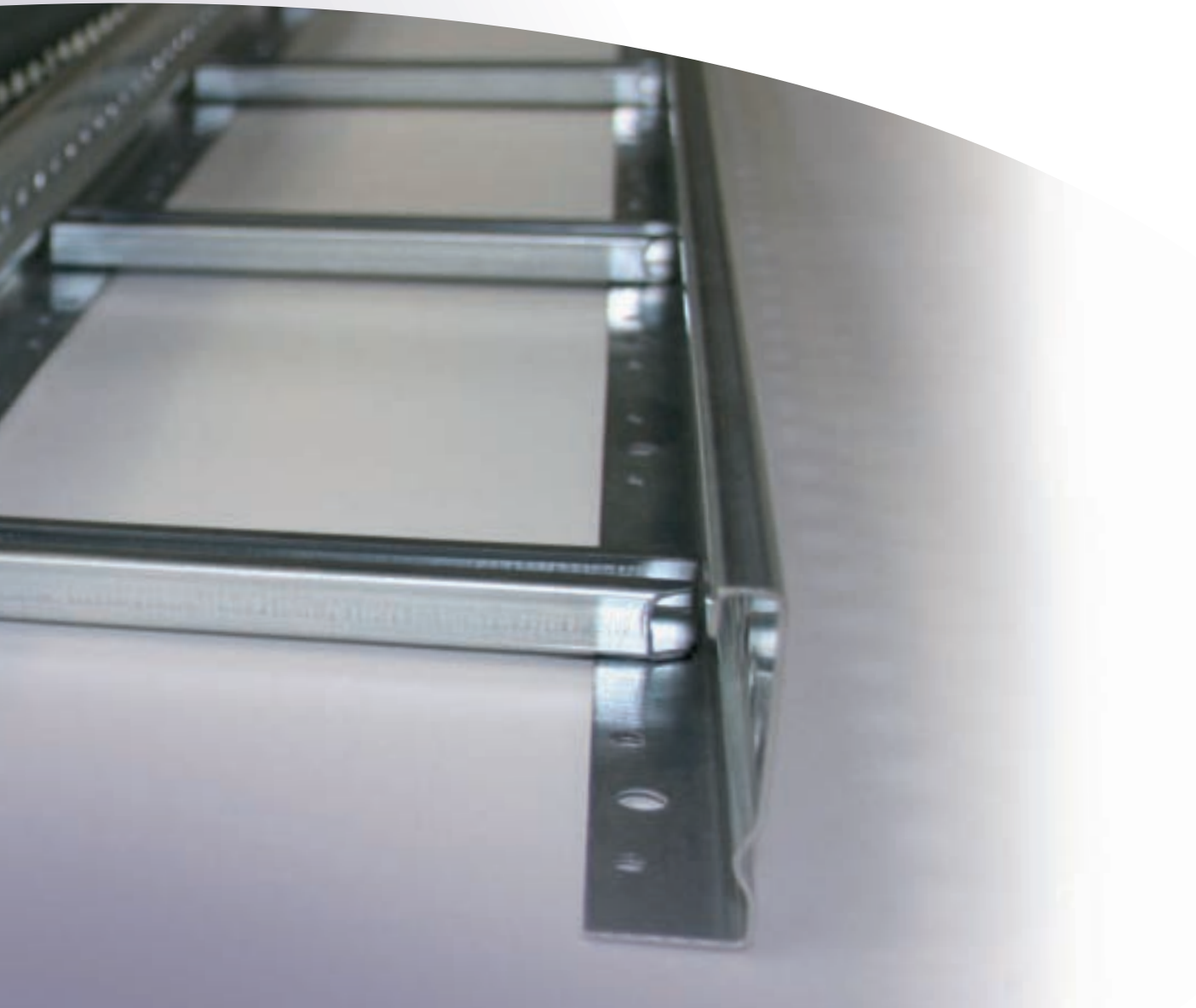
Cable Ladder System

 Cable Ladder

 Fittings

 Covers

 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).

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.

CABLE LADDER SYSTEM

Available Side Rail Heights

SYSTEM	Cable Ladder	KL	Page 212
	Cable Ladder	KLM	Page 212
ACCESSORIES	Splice Plate	KSV 100	Page 212
	Adjustable Splice Plate	KGV 100	Page 213
	Adjustable Splice Plate	KWV 100	Page 213
	Barrier Strip	RW 85	Page 213
	Splice Plate for Barrier Strip	RTV 85	Page 213
	Mounting Clamp for Barrier Strip	KLWC 11	Page 214
	Horizontal Elbow 90°, small radius	KLBK	Page 214
	Horizontal Elbow 90°, large radius	KLBG	Page 215
	Extension Horizontal Tee	KLTA	Page 215
	Horizontal Tee	KLT	Page 216
	Horizontal Cross	KLK	Page 216
	Adjustable Vertical Elbow	KGS	Page 216
	Cable Ladder Connection Bracket	KLAS 100	Page 217
	Pair of Protective End Caps	SKK 100	Page 217
	Ladder Drop-out	KLAB	Page 217
	Cable Ladder Mounting Bracket	KLTB 6	Page 217
	Two Hole Corner Angle	WWU 150/8	Page 218
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	Cover for Cable Tray/Ladder	RDV	Page 219
	Cover for 90° Horizontal Elbow, small radius	KLBKDV	Page 219
	Cover for Horizontal Tee	KLTDV	Page 219
	Turn-bolt Lock	RDRS	Page 220

CABLE LADDER SYSTEM

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.

D. TRAY SIZE

1. **Height:** Ladder shall have an overall height of 4" (100 mm).
Minimum load depth shall be 3.5" (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.

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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	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 60.603 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 60.606 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	107 / 72	2 / 6.6	8A, A
KLX 100.303, ... F	414.0 / 0.64	258 / 0.4	107 / 72	2 / 6.6	8A, A
KLX 100.403, ... F	414.0 / 0.64	258 / 0.4	107 / 72	2 / 6.6	8A, A
KLX 100.503, ... F	414.0 / 0.64	258 / 0.4	107 / 72	2 / 6.6	8A, A
KLX 100.603, ... F	414.0 / 0.64	258 / 0.4	107 / 72	2 / 6.6	8A, A
KLMX 100.203, ... F	552.0 / 0.64	258 / 0.4	92 / 62	3.7 / 12	12A, C
KLMX 100.303, ... F	552.0 / 0.64	258 / 0.4	92 / 62	3.7 / 12	12A, C
KLMX 100.403, ... F	552.0 / 0.64	258 / 0.4	92 / 62	3.7 / 12	12A, C
KLMX 100.453, ... F	414.0 / 0.64	258 / 0.4	101 / 68	3.7 / 12	12A, C
KLMX 100.503, ... F	414.0 / 0.64	258 / 0.4	101 / 68	3.7 / 12	12A, C
KLMX 100.603, ... F	414.0 / 0.64	258 / 0.4	101 / 68	3.7 / 12	12A, C
KLMX 100.753, ... F	414.0 / 0.64	258 / 0.4	101 / 68	3.7 / 12	12A, C
KLMX 100.903, ... F	414.0 / 0.64	258 / 0.4	101 / 68	3.7 / 12	12A, C

CABLE LADDER SYSTEM

Cable Ladder

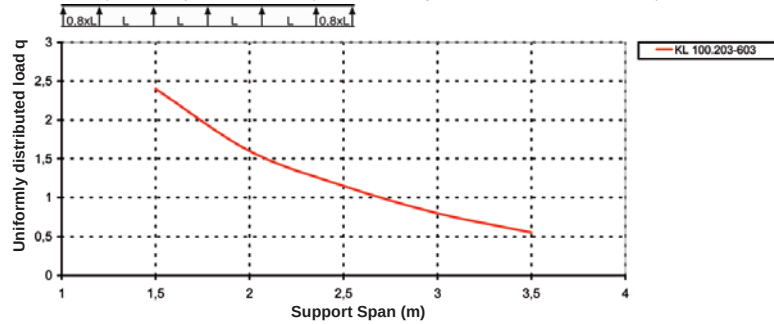
C-channel rungs with 11 mm slot width, standard spacing 300 mm

	model no.	height H		width B		thick-ness t	length A		Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch		mm	Inch		
S	KL 100.203	100	3,9	200	7,9	1,5	6000	236,2	350,70	6 m
S	KL 100.303	100	3,9	300	11,8	1,5	6000	236,2	370,50	6 m
S	KL 100.403	100	3,9	400	15,7	1,5	6000	236,2	390,20	6 m
S	KL 100.503	100	3,9	500	19,7	1,5	6000	236,2	409,90	6 m
S	KL 100.603	100	3,9	600	23,6	1,5	6000	236,2	429,60	6 m
F	KL 100.203 F	100	3,9	200	7,9	1,5	6000	236,2	351,80	6 m
F	KL 100.303 F	100	3,9	300	11,8	1,5	6000	236,2	371,50	6 m
F	KL 100.403 F	100	3,9	400	15,7	1,5	6000	236,2	391,30	6 m
F	KL 100.503 F	100	3,9	500	19,7	1,5	6000	236,2	411,00	6 m
F	KL 100.603 F	100	3,9	600	23,6	1,5	6000	236,2	473,79	6 m

KSV 100 splice plates have to be ordered separately.

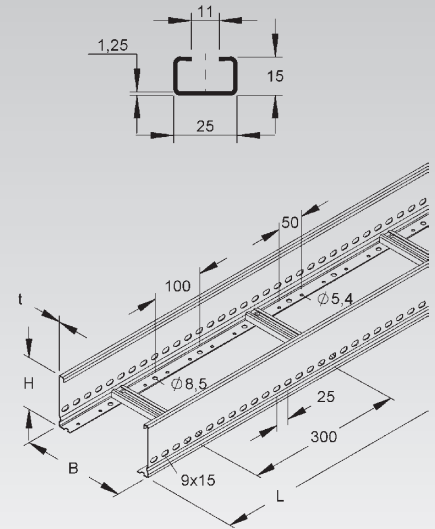
Cable ladder is available in 3 meter length as well.

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



Specified load ratings are independent of splice plate location.

Height
100 mm
Nominal
4 inches



Cable Ladder

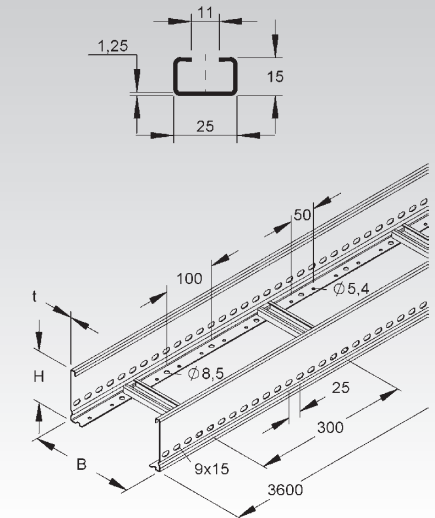
C-channel rungs with 11 mm slot width, standard spacing 300 mm

	model no.	height H		width B		thick-ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
★ S	KLM 100.203/3600	100	3,9	200	7,9	2	1.633,19	1
★ S	KLM 100.303/3600	100	3,9	300	11,8	2	1.704,25	1
★ S	KLM 100.403/3600	100	3,9	400	15,7	2	1.775,18	1
★ S	KLM 100.503/3600	100	3,9	500	19,7	2	1.846,24	1
★ S	KLM 100.603/3600	100	3,9	600	23,6	2	1.917,29	1
★ F	KLM 100.203/3600 F	100	3,9	200	7,9	2	1.795,46	1
★ F	KLM 100.303/3600 F	100	3,9	300	11,8	2	1.873,62	1
★ F	KLM 100.403/3600 F	100	3,9	400	15,7	2	1.951,64	1
★ F	KLM 100.503/3600 F	100	3,9	500	19,7	2	2.029,80	1
★ F	KLM 100.603/3600 F	100	3,9	600	23,6	2	2.107,96	1

KSV 100 splice plates have to be ordered separately.

Cable ladder is available in 3 meter length as well.

Height
100 mm
Nominal
4 inches



Splice Plate

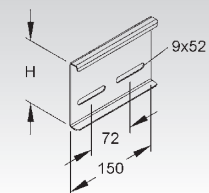
	model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	KSV 100 S	100	3,9	26,37	10
F	KSV 100 F	100	3,9	24,83	10

form-locking straight splice plate for cable ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
100 mm
Nominal
4 inches



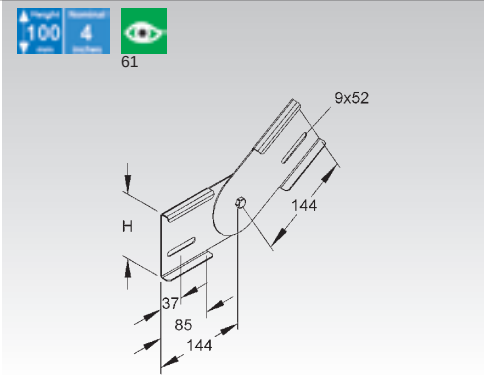
Adjustable Splice Plate

vertical

model no.	height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S KGV 100 S	100 3,9	53,25	10
F KGV 100 F	100 3,9	58,20	10

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.



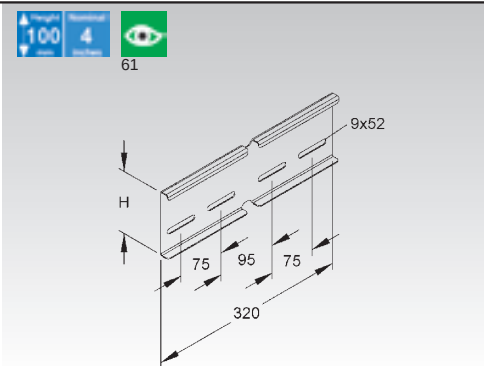
Adjustable Splice Plate

horizontal

model no.	height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S KWV 100 S	100 3,9	55,0	10
F KWV 100 F	100 3,9	59,6	10

2 pieces required per joint

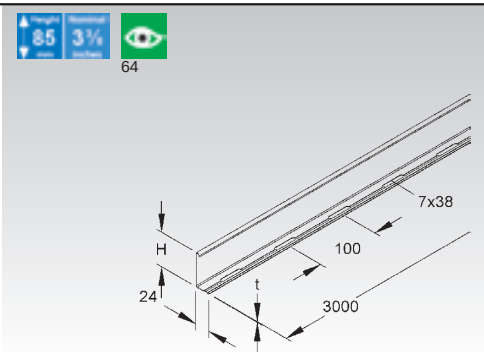
UL classified splice plates ensure electrical continuity and proper bonding.



Barrier Strip

model no.	height H	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 85	80 3,1	0,9	78,39	10 x 3 m
F RW 85 F	80 3,1	0,9	86,12	10 x 3 m

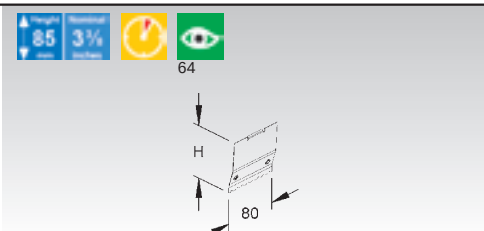
to separate wires and cables of different voltage levels or with different functions



Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 85 E2	79,5 3,1	80 3,1	2,03	20

for positive locking connections and proper bonding of barrier strips



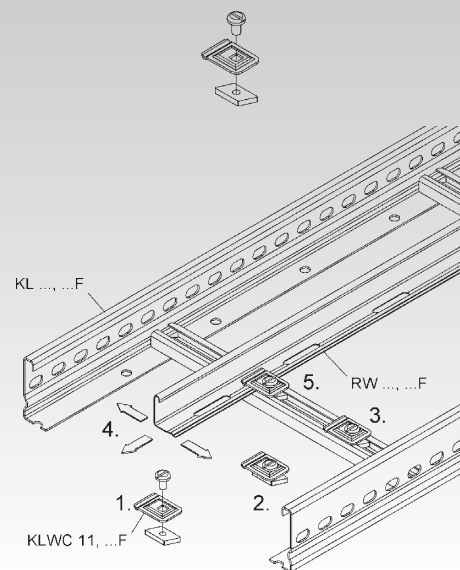
CABLE LADDER SYSTEM

Mounting Clamp for Barrier Strip

	model no.	Weight per 100 pcs kg	Pack / Box Qty
G	KLWC 11	2	50
F	KLWC 11 F	3	50

to fix barrier strips to KL... cable ladders (slot width 11 mm)

Suitable for: RW... barrier strip



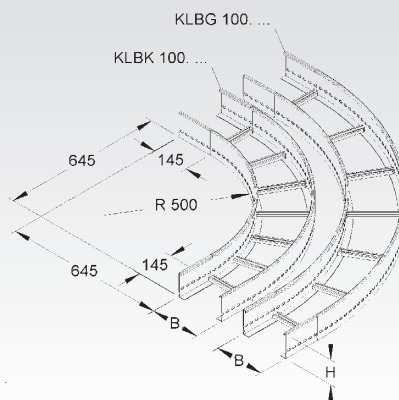
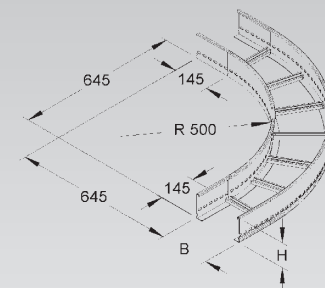
Horizontal Elbow 90° (small radius)

with perforated siderails

	model no.	height H	width B	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	KLBK 100.203	100 3,9	200 7,9	466,77	1
S	KLBK 100.303	100 3,9	300 11,8	533,05	1
S	KLBK 100.403	100 3,9	400 15,7	599,35	1
S	KLBK 100.503	100 3,9	500 19,7	665,67	1
S	KLBK 100.603	100 3,9	600 23,6	731,99	1
F	KLBK 100.203 F	100 3,9	200 7,9	513,45	1
F	KLBK 100.303 F	100 3,9	300 11,8	586,36	1
F	KLBK 100.403 F	100 3,9	400 15,7	659,29	1
F	KLBK 100.503 F	100 3,9	500 19,7	732,24	1
F	KLBK 100.603 F	100 3,9	600 23,6	805,19	1

Please use a KLBK... and a KLBG... elbow to form a 90° bend for 2 runs of ladder tray of the same width being installed in parallel.

KSV 100 splice plates have to be ordered separately.



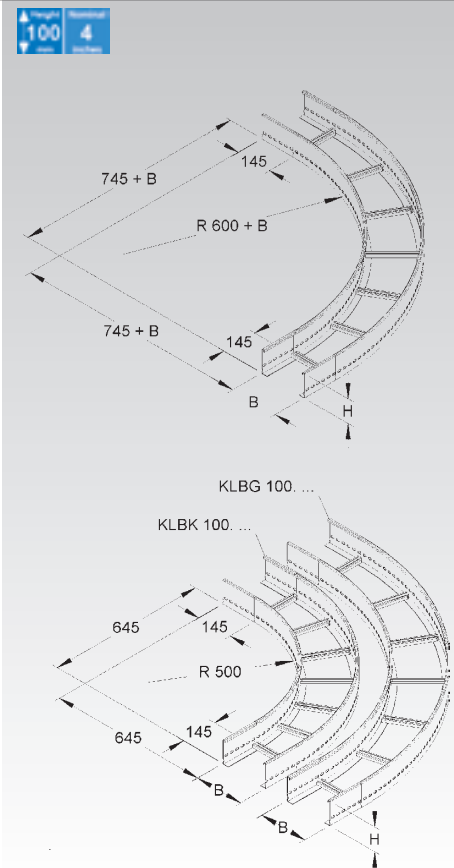
Horizontal Elbow 90° (large radius)

with perforated siderails

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	KLBG 100.203	100	3,9	200	7,9	615,91	1
S	KLBG 100.303	100	3,9	300	11,8	731,86	1
S	KLBG 100.403	100	3,9	400	15,7	847,88	1
S	KLBG 100.503	100	3,9	500	19,7	964,05	1
S	KLBG 100.603	100	3,9	600	23,6	1.080,14	1
F	KLBG 100.203 F	100	3,9	200	7,9	677,49	1
F	KLBG 100.303 F	100	3,9	300	11,8	805,02	1
F	KLBG 100.403 F	100	3,9	400	15,7	932,65	1
F	KLBG 100.503 F	100	3,9	500	19,7	1.060,44	1
F	KLBG 100.603 F	100	3,9	600	23,6	1.188,13	1

Please use a KLBK... and a KLBG... elbow to form a 90° bend for 2 runs of ladder tray of the same width being installed in parallel.

KSV 100 splice plates have to be ordered separately.

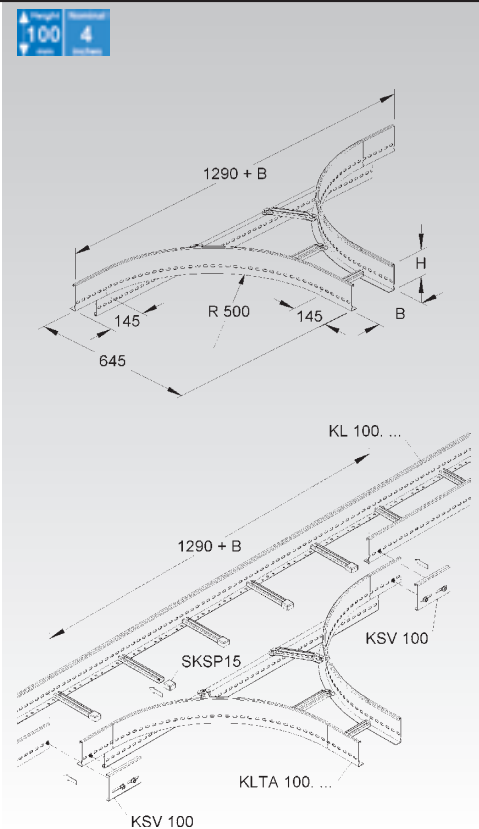


Extension Horizontal Tee

with perforated siderails

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	KLTA 100.203	100	3,9	200	7,9	550,75	1
S	KLTA 100.303	100	3,9	300	11,8	576,52	1
S	KLTA 100.403	100	3,9	400	15,7	601,20	1
S	KLTA 100.503	100	3,9	500	19,7	625,77	1
S	KLTA 100.603	100	3,9	600	23,6	650,34	1
F	KLTA 100.203 F	100	3,9	200	7,9	605,83	1
F	KLTA 100.303 F	100	3,9	300	11,8	634,17	1
F	KLTA 100.403 F	100	3,9	400	15,7	661,32	1
F	KLTA 100.503 F	100	3,9	500	19,7	688,35	1
F	KLTA 100.603 F	100	3,9	600	23,6	715,37	1

KSV 100 splice plates have to be ordered separately.



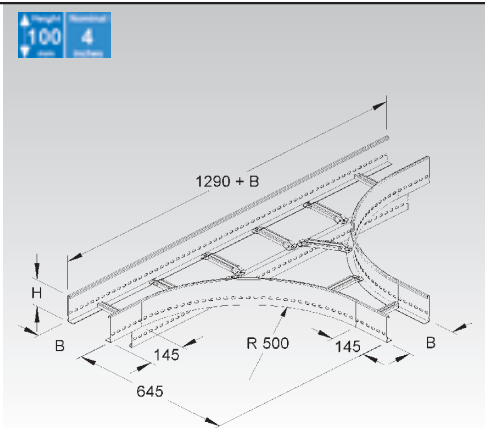
CABLE LADDER SYSTEM

Horizontal Tee

with perforated siderails

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	KLT 100.203	100	3,9	200	7,9	868,22	1
S	KLT 100.303	100	3,9	300	11,8	951,82	1
S	KLT 100.403	100	3,9	400	15,7	1.034,33	1
S	KLT 100.503	100	3,9	500	19,7	1.116,73	1
S	KLT 100.603	100	3,9	600	23,6	1.244,27	1
F	KLT 100.203 F	100	3,9	200	7,9	955,04	1
F	KLT 100.303 F	100	3,9	300	11,8	1.047,00	1
F	KLT 100.403 F	100	3,9	400	15,7	1.137,76	1
F	KLT 100.503 F	100	3,9	500	19,7	1.228,40	1
F	KLT 100.603 F	100	3,9	600	23,6	1.368,70	1

KSV 100 splice plates have to ordered separately.

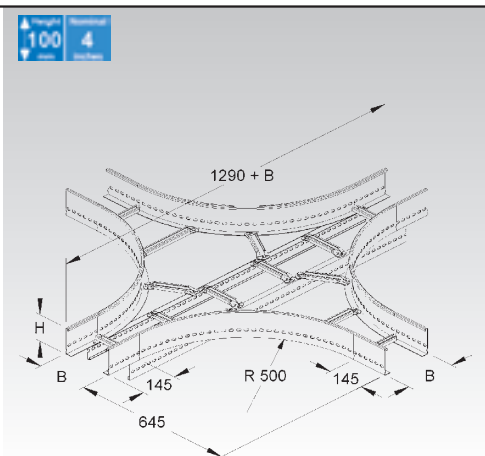


Horizontal Cross

with perforated siderails

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	KLK 100.203	100	3,9	200	7,9	1.183,26	1
S	KLK 100.303	100	3,9	300	11,8	1.276,81	1
S	KLK 100.403	100	3,9	400	15,7	1.368,17	1
S	KLK 100.503	100	3,9	500	19,7	1.459,33	1
S	KLK 100.603	100	3,9	600	23,6	1.595,62	1
F	KLK 100.203 F	100	3,9	200	7,9	1.301,59	1
F	KLK 100.303 F	100	3,9	300	11,8	1.404,49	1
F	KLK 100.403 F	100	3,9	400	15,7	1.504,99	1
F	KLK 100.503 F	100	3,9	500	19,7	1.605,26	1
F	KLK 100.603 F	100	3,9	600	23,6	1.755,18	1

KSV 100 splice plates have to be ordered separately.

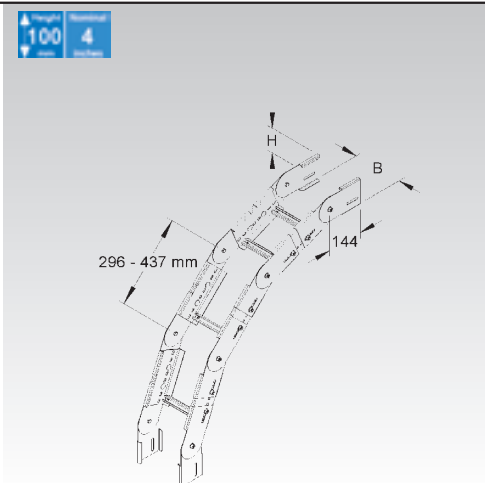


Adjustable Vertical Elbow

vertical

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	KGS 100.203	100	3,9	200	7,9	660,83	1
S	KGS 100.303	100	3,9	300	11,8	684,50	1
S	KGS 100.403	100	3,9	400	15,7	708,18	1
S	KGS 100.503	100	3,9	500	19,7	731,85	1
S	KGS 100.603	100	3,9	600	23,6	755,53	1
F	KGS 100.203 F	100	3,9	200	7,9	370,00	1
F	KGS 100.303 F	100	3,9	300	11,8	430,00	1
F	KGS 100.403 F	100	3,9	400	15,7	490,00	1
F	KGS 100.503 F	100	3,9	500	19,7	575,00	1
F	KGS 100.603 F	100	3,9	600	23,6	620,00	1

delivered as a kit (not assembled)



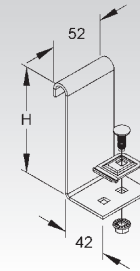
Cable Ladder Connection Bracket

model no.	height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
F KLAS 100	100 3,9	20,5	20

cable ladder connector bracket for field made horizontal tees

Height
100
mm

Material
4
mm Plate

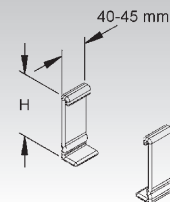


Pair of Protective End Caps

model no.	height H	color	Weight per 100 pair kg	Pack / Box Qty
	mm Inch			
K10 SKK 100	100 3,9	yellow	5	10 sets

protective end cap for KL 100... siderails

Suitable for: Cable Ladder

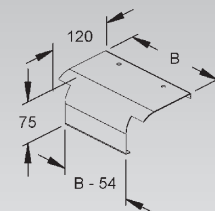


Ladder Drop Out

with rounded edges

model no.	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S KLAB 200	190 7,5	40,85	1
S KLAB 300	290 11,4	63,60	1
S KLAB 400	390 15,4	86,35	1
S KLAB 500	490 19,3	143,37	1
S KLAB 600	590 23,2	173,42	1
F KLAB 200 F	190 7,5	45,96	1
F KLAB 300 F	290 11,4	70,98	1
F KLAB 400 F	390 15,4	96,01	1
F KLAB 500 F	490 19,3	158,73	1
F KLAB 600 F	590 23,2	191,78	1
E3 KLAB 200 E3	190 7,5	41,03	1
E3 KLAB 300 E3	290 11,4	63,93	1
E3 KLAB 400 E3	390 15,4	86,83	1
E3 KLAB 500 E3	490 19,3	144,21	1
E3 KLAB 600 E3	590 23,2	174,45	1

Suitable for: KL... cable ladders



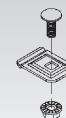
Cable Ladder Mounting Bracket

model no.	Weight per 100 pcs kg	Pack / Box Qty
S KLTB 6	2,00	50
F KLTB 6 F	1,02	50
E3 KLTB 6 E3	2,00	50
E5 KLTB 6 E5	2,00	50

hold down clamp to fix cable ladders on brackets

2 pieces required per bracket

61

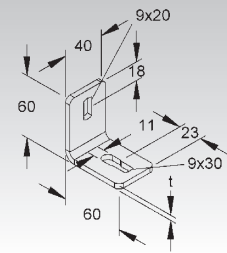


CABLE LADDER SYSTEM

Two Hole Corner Angle

	model no.	thick- ness t mm	Weight per 100 pcs kg	Pack / Box Qty
F	WWU 150/8	5	19,11	50
E3	WWU 150/8 E3	4	14,87	50
E5	WWU 150/8 E5	4	14,62	50

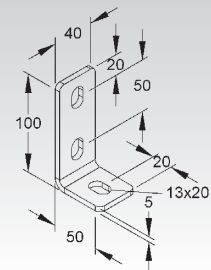
for floor-, ceiling- or wall-mount



Three Hole Corner Angle

	model no.	thick- ness t mm	Weight per 100 pcs kg	Pack / Box Qty
F	WWA 100	5	23,54	50
E3	WWA 100 E3	4	19,80	50

for floor-, ceiling- or wall-mount

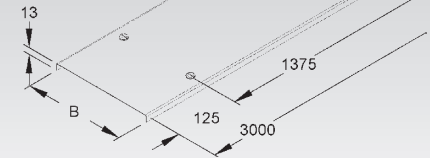


Cover for Cable Tray / Ladder

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 m kg	Pack / Box Qty
S RDV 200	200 7,9	133,2	2 x 3 m
S RDV 300	300 11,8	230,2	2 x 3 m
S RDV 400	400 15,7	334,1	2 x 3 m
S RDV 500	500 19,7	412,6	2 x 3 m
S RDV 600	600 23,6	491,1	2 x 3 m
F RDV 200 F	200 7,9	146,6	2 x 3 m
F RDV 300 F	300 11,8	253,2	2 x 3 m
F RDV 400 F	400 15,7	367,5	2 x 3 m
F RDV 500 F	500 19,7	453,8	2 x 3 m
F RDV 600 F	600 23,6	540,2	2 x 3 m

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.

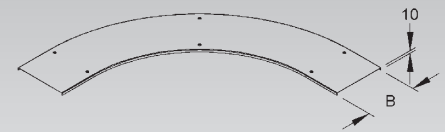


Cover for 90° Horizontal Elbow (small radius)

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S KLBKDV 200	203 8	217,8	1
S KLBKDV 300	303 11,9	334,4	1
S KLBKDV 400	403 15,9	463,3	1
S KLBKDV 500	503 19,8	604,6	1
S KLBKDV 600	603 23,7	758,1	1
F KLBKDV 200 F	203 8	234,2	1
F KLBKDV 300 F	303 11,9	360,1	1
F KLBKDV 400 F	403 15,9	498,1	1
F KLBKDV 500 F	503 19,8	649,9	1
F KLBKDV 600 F	603 23,7	815,0	1

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.

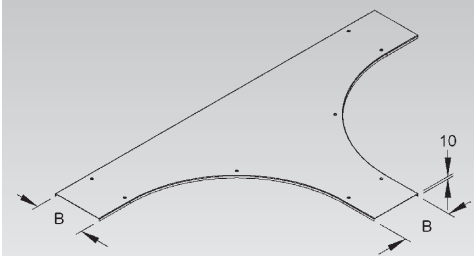


Cover for Horizontal Tee

with turnbolt locks

model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S KLTDV 200	203 8	454,80	1
S KLTDV 300	303 11,9	647,93	1
S KLTDV 400	403 15,9	854,50	1
S KLTDV 500	503 19,8	1.077,90	1
S KLTDV 600	603 23,7	1.317,00	1
F KLTDV 200 F	203 8	489,00	1
F KLTDV 300 F	303 11,9	695,40	1
F KLTDV 400 F	403 15,9	918,70	1
F KLTDV 500 F	503 19,8	1.186,93	1
F KLTDV 600 F	603 23,7	1.415,90	1

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



CABLE LADDER SYSTEM ACCESSOIRES

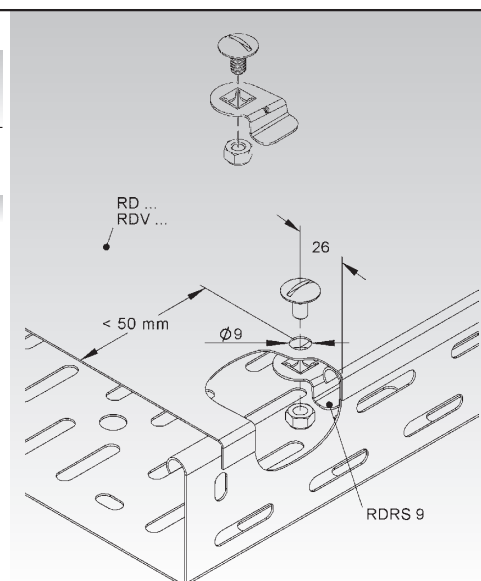
Turn-bolt Lock

	model no.	Weight per 100 pcs kg	Pack / Box Qty
S	RDRS 9	1,2	100
F	RDRS 9 F	1,6	100

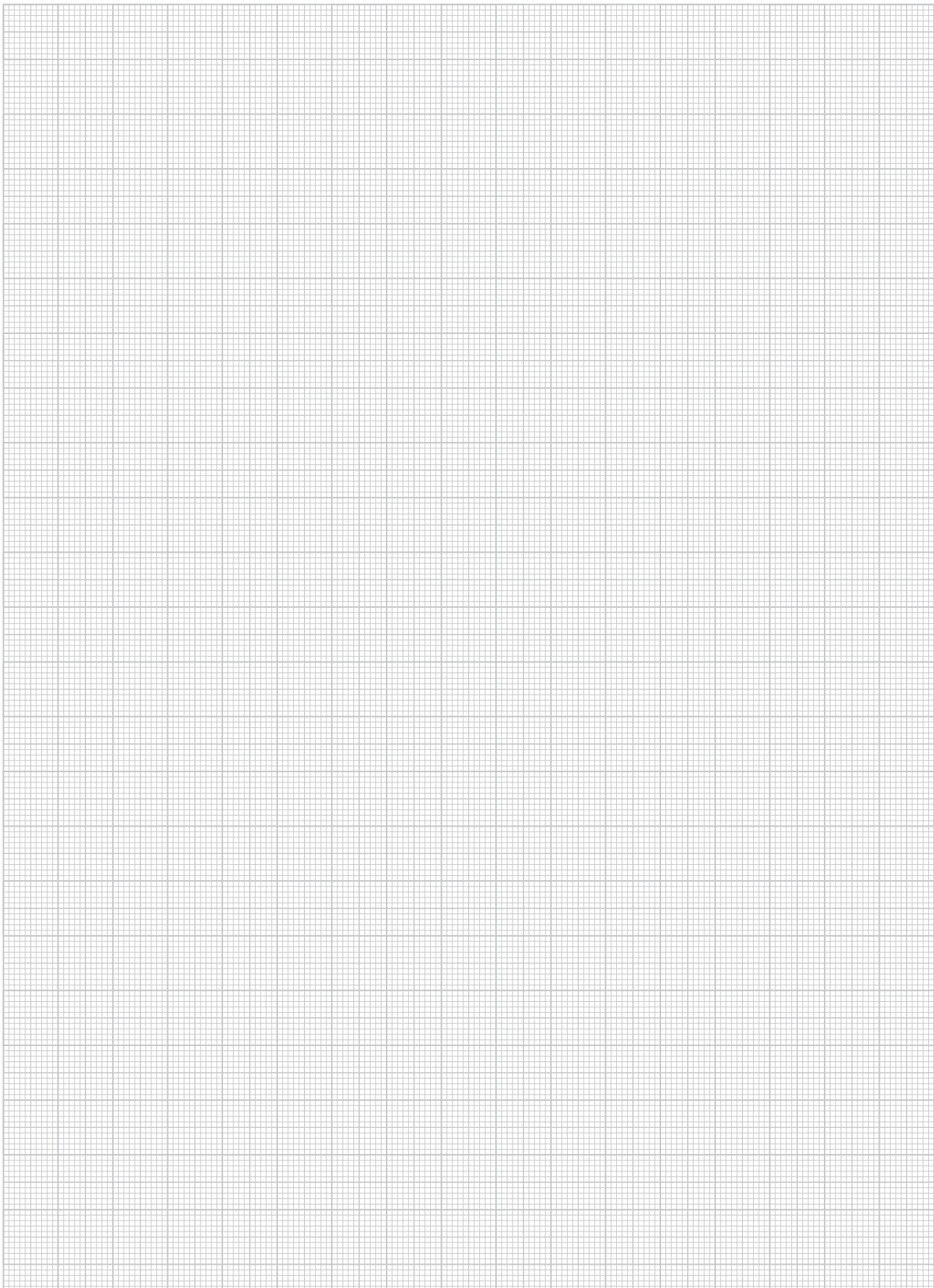
for field modifications of covers

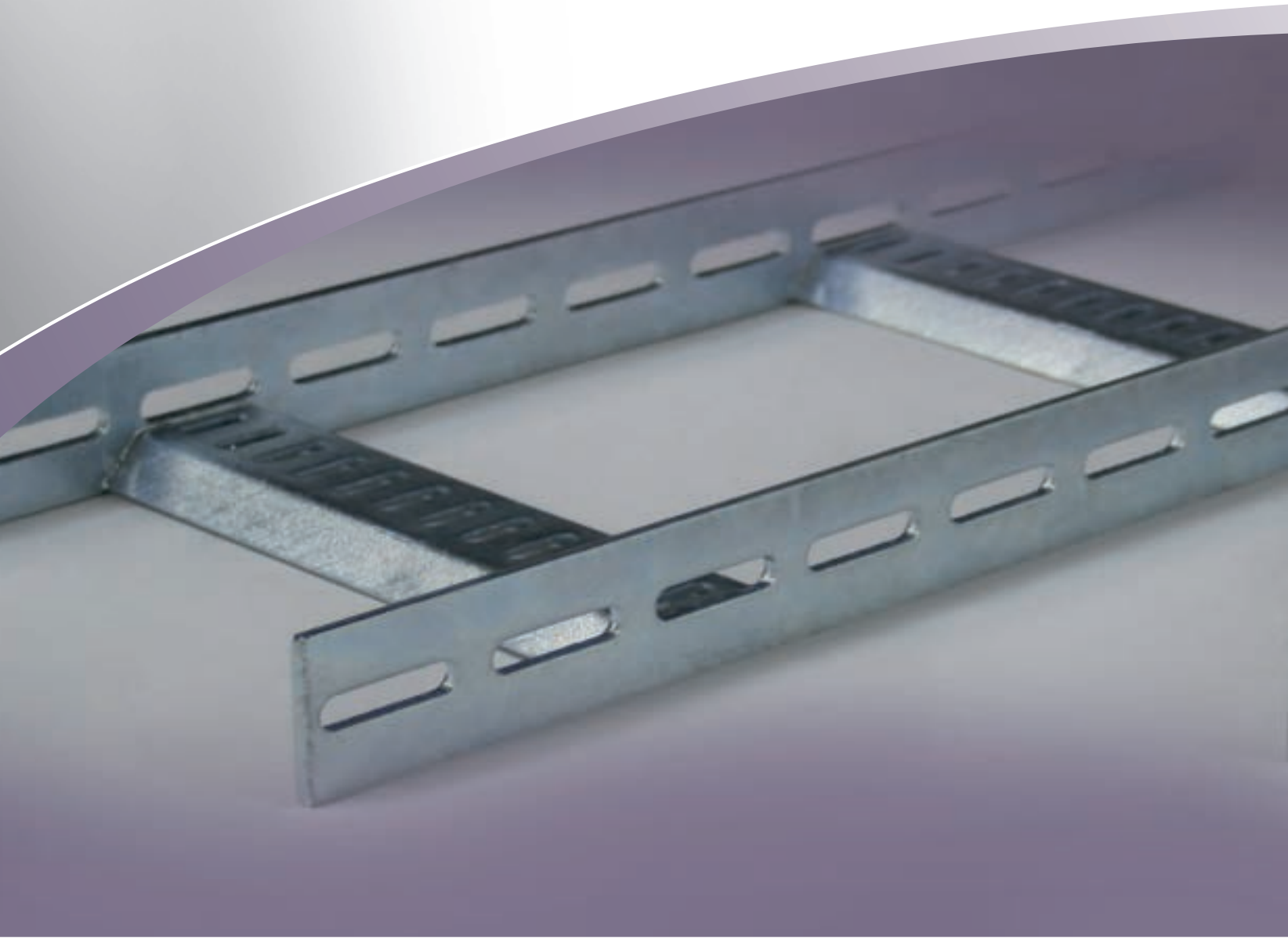
Suitable for: fitting covers

Turnbolt locks or cover clamps need to be installed at a minimum distance of 50 mm (2") from each end of the cover.



NOTES



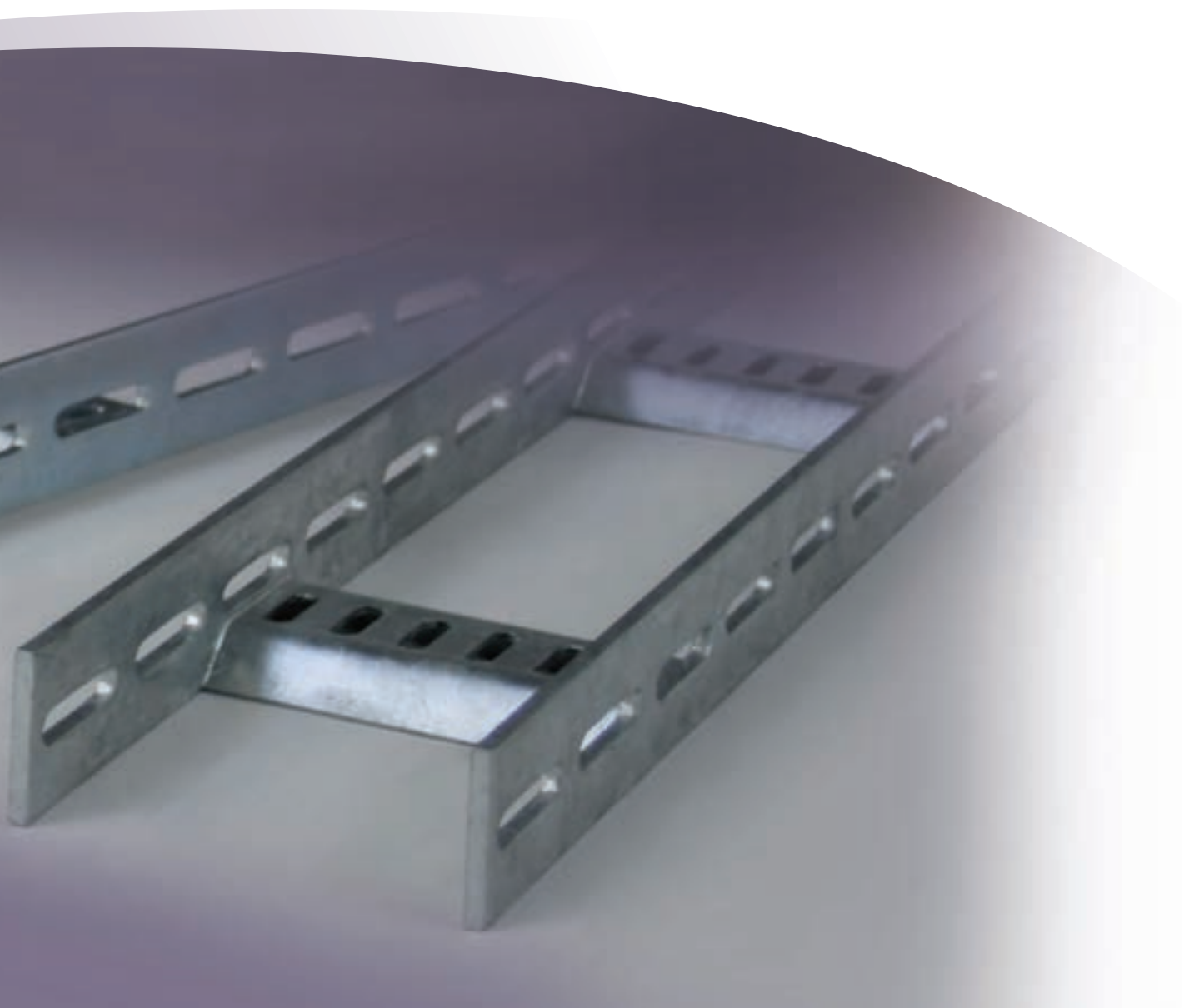


Marine Cable Ladder System

 Cable Ladder

 Splice Plates

 Rungs



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 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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
KLMUX 40.100 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.150 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.200 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.250 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.300 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.400 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.500 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.600 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.700 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.800 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.900 ...F	400 / 0.62	258 / 0.40	175 / 117.6	2 / 6.6	C
KLMUX 40.1000 ...F	400 / 0.62	258 / 0.40	190 / 127.7	2 / 6.6	C

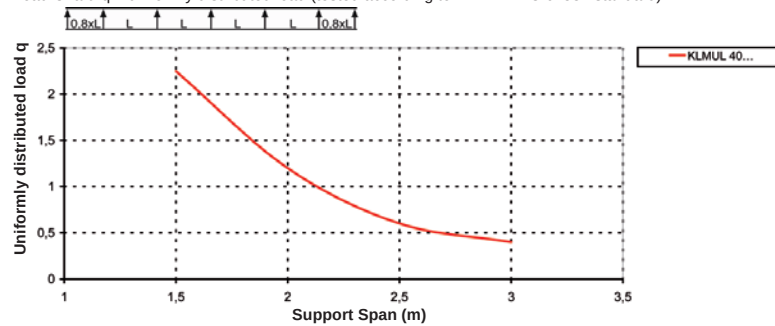
Marine Cable Ladder

with perforated siderail

	model no.	height H		width B		thickness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
F	KLMUL 40.100 F	40	1,6	110	4,3	5	331,76	3 m
F	KLMUL 40.150 F	40	1,6	160	6,3	5	352,96	3 m
F	KLMUL 40.200 F	40	1,6	210	8,3	5	374,15	3 m
F	KLMUL 40.300 F	40	1,6	310	12,2	5	416,56	3 m
F	KLMUL 40.400 F	40	1,6	410	16,1	5	458,95	3 m
F	KLMUL 40.500 F	40	1,6	510	20,1	5	501,35	3 m
F	KLMUL 40.600 F	40	1,6	610	24	5	543,75	3 m
F	KLMUL 40.700 F	40	1,6	710	28	5	586,15	3 m
F	KLMUL 40.900 F	40	1,6	910	35,8	5	670,94	3 m
E5	KLMUL 40.300 E5	40	1,6	310	12,2	5	384,96	3 m
E5	KLMUL 40.600 E5	40	1,6	610	24	5	596,72	3 m

Other sizes are available on request.

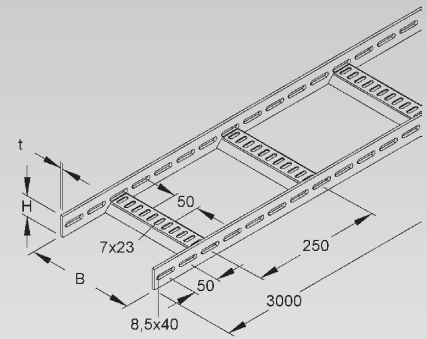
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

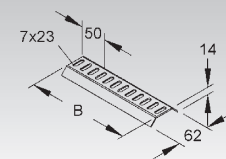
Height
40
mm

Nominal
1 5/8
inches



Trapeze Rungs

	model no.	width B		Weight per 100 m / kg	Pack / Box Qty
		mm	Inch		
B	SPM 3000 B	3000	118,1	96,40	3 m
AL	SPM 3000.3 AL	3000	118,1	49,79	3 m
E5	SPM 3000 E5	3000	118,1	98,00	3 m



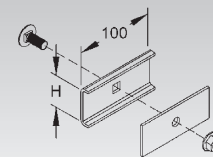
Splice Plate

	model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
F	KLMV 40	41	1,6	29,70	20
E5	KLMV 40 E5	41	1,6	27,17	20

form-locking straight splice plate for cable ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.



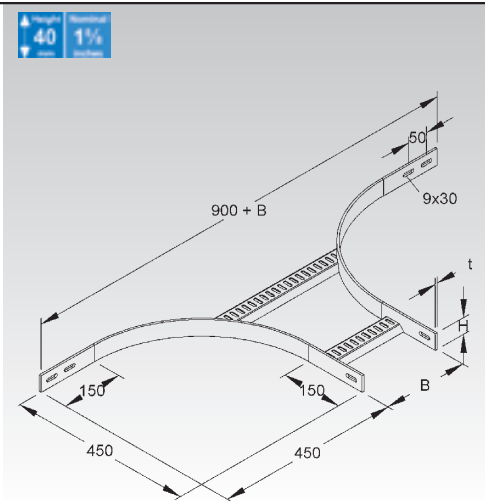
MARINE CABLE LADDER SYSTEM

Extension Horizontal Tee

with integrated splice

	model no.	height H		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
F	KLMUAT 40.100 F	40	1,6	100	3,9	5	299,54	1
F	KLMUAT 40.150 F	40	1,6	150	5,9	5	310,10	1
F	KLMUAT 40.200 F	40	1,6	200	7,9	5	320,74	1
F	KLMUAT 40.300 F	40	1,6	300	11,8	5	341,94	1
F	KLMUAT 40.400 F	40	1,6	400	15,7	5	363,14	1
F	KLMUAT 40.500 F	40	1,6	500	19,7	5	384,34	1
F	KLMUAT 40.600 F	40	1,6	600	23,6	5	405,54	1
F	KLMUAT 40.700 F	40	1,6	700	27,6	5	426,73	1
F	KLMUAT 40.900 F	40	1,6	900	35,4	5	469,13	1

Extension tees can be bolted directly to straight sections of KLMUL 40... ladders.
Hardware is not included.

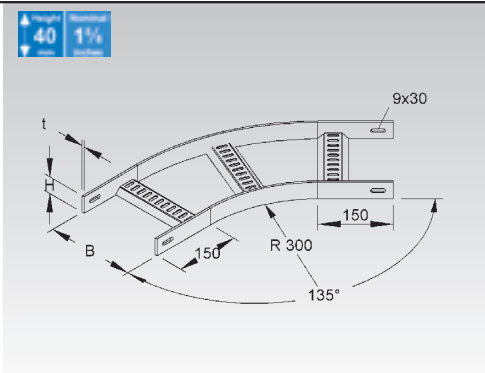


Horizontal Elbow 45°

with integrated splice

	model no.	height H		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
F	KLMUBB 40.100 F	40	1,6	100	3,9	5	227,36	1
F	KLMUBB 40.150 F	40	1,6	150	5,9	5	250,04	1
F	KLMUBB 40.200 F	40	1,6	200	7,9	5	272,72	1
F	KLMUBB 40.300 F	40	1,6	300	11,8	5	318,09	1
F	KLMUBB 40.400 F	40	1,6	400	15,7	5	363,45	1
F	KLMUBB 40.500 F	40	1,6	500	19,7	5	408,80	1
F	KLMUBB 40.600 F	40	1,6	600	23,6	5	454,17	1
F	KLMUBB 40.700 F	40	1,6	700	27,6	5	499,53	1
F	KLMUBB 40.900 F	40	1,6	900	35,4	5	590,26	1

Hardware is not included.

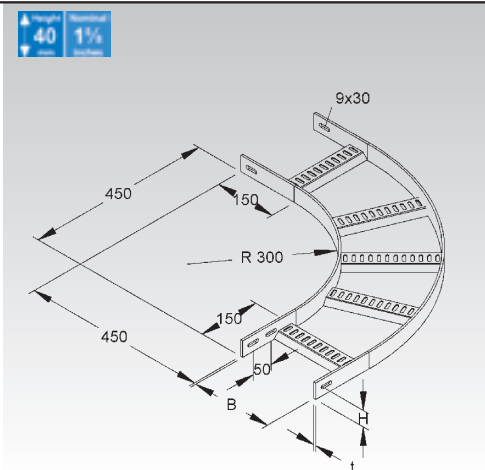


Horizontal Elbow 90°

with integrated splice

	model no.	height H		width B		thick- ness t	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
F	KLMUB 40.100 F	40	1,6	100	3,9	5	343,77	1
F	KLMUB 40.150 F	40	1,6	150	5,9	5	383,83	1
F	KLMUB 40.200 F	40	1,6	200	7,9	5	423,90	1
F	KLMUB 40.300 F	40	1,6	300	11,8	5	504,00	1
F	KLMUB 40.400 F	40	1,6	400	15,7	5	584,10	1
F	KLMUB 40.500 F	40	1,6	500	19,7	5	664,30	1
F	KLMUB 40.600 F	40	1,6	600	23,6	5	744,40	1
F	KLMUB 40.700 F	40	1,6	700	27,6	5	824,53	1
F	KLMUB 40.900 F	40	1,6	900	35,4	5	984,78	1

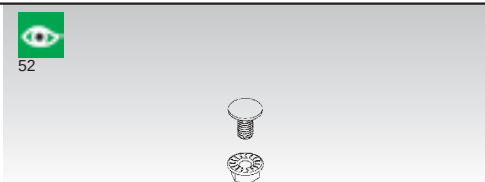
Hardware is not included.



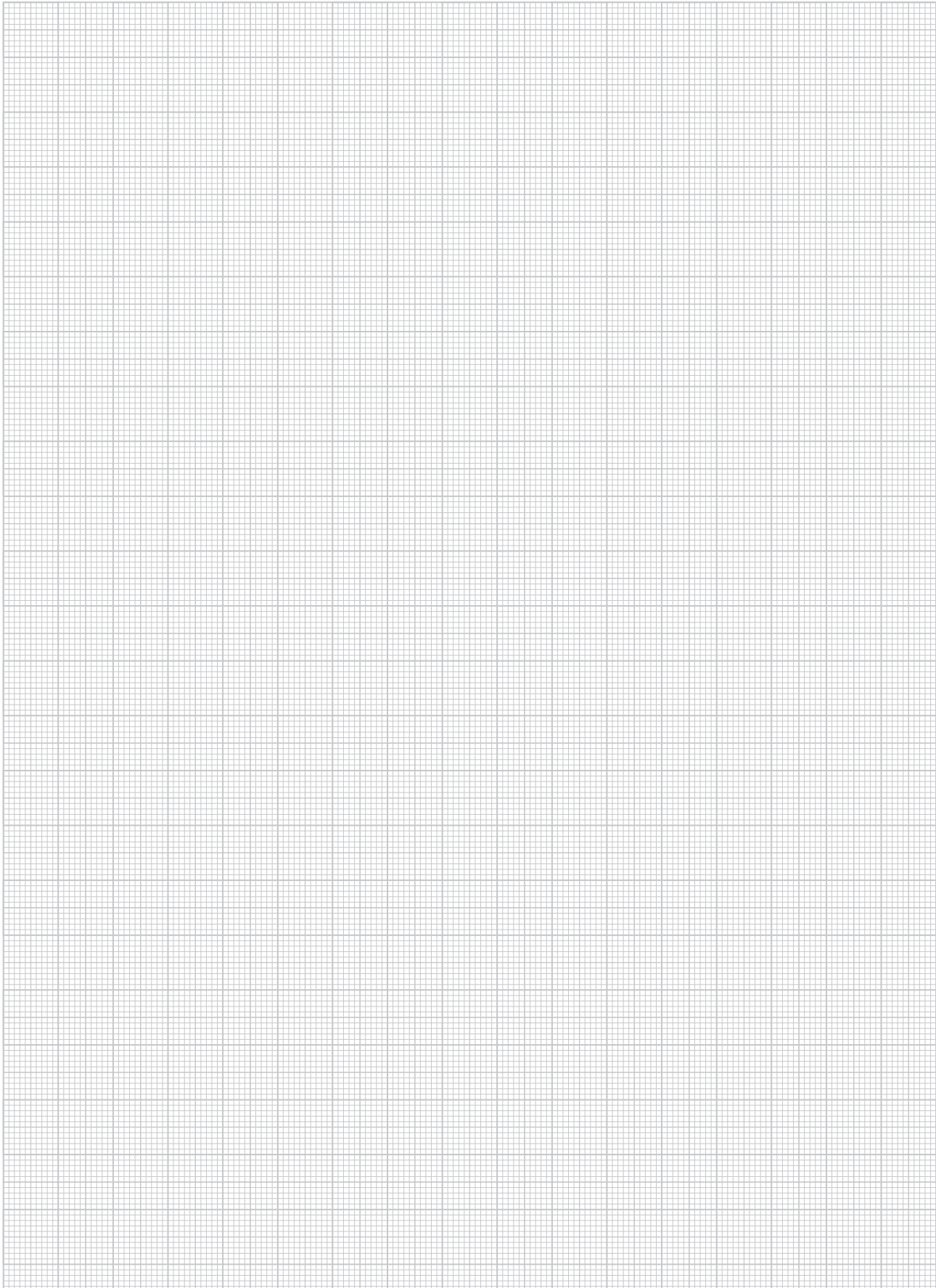
Mushroom Head Bolt

serrated flange nut included

	model no.	thread M	length A	strength category	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch			
F	FLM 8X25 F	8	25 1	8.8	2,8	50



NOTES





Long Span System

○ Long Span Cable Tray

○ Long Span Cable Ladder

○ Fittings

○ Accessoires



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.



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 SPAN CABLE TRAY

Available Side Rail Heights

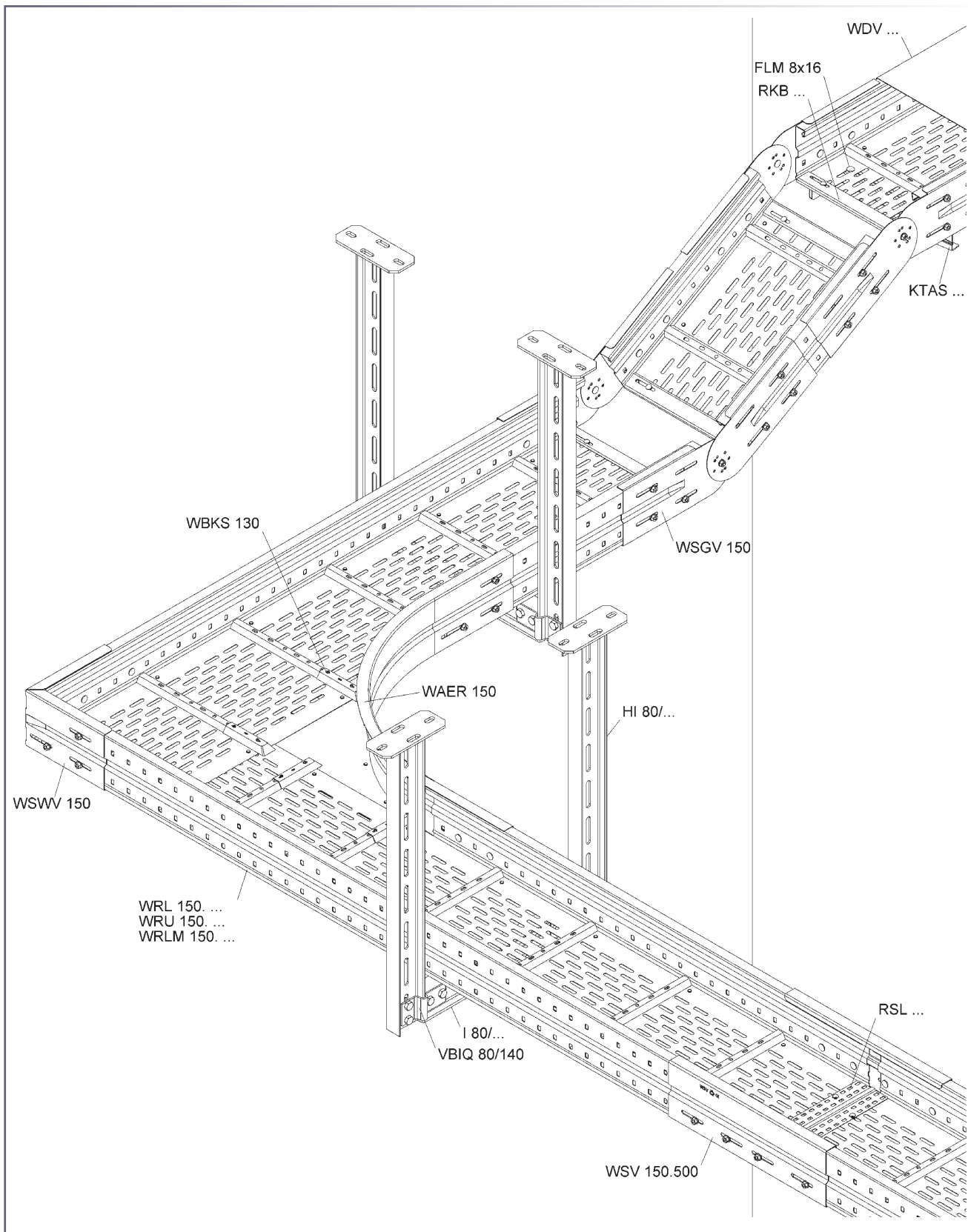
SYSTEM	Long-Span Cable Tray	WRL	 Page 234	 Page 238
	Long Span Cable Tray	WRU	 Page 234	 Page 238
	Long-Span Cable Tray, ventilated	WRLM	 —	 Page 239
ACCESSORIES	Splice Plate	WSV	 Page 235	 Page 239
	Adjustable Splice Plate	WSGV	 Page 235	 Page 239
	Adjustable Splice Plate	WSWV	 Page 235	 Page 240
	Barrier Strip	RW	 Page 235	 Page 240
	Splice Plate for Barrier Strip	RTV	 Page 235	 Page 240
	Mounting Clamp for Barrier Strip	KLWC 16	Page 236/240	
	Horizontal Elbow Building Block	WAER	Page 236/240	
	Horizontal Elbow 90°	WRBR	 Page 236	 Page 241
	Extension Horizontal Tee	WRTAR	 Page 236	 Page 241
	Horizontal Tee	WRTR	 Page 237	 Page 241
	Reducer	WSRS	Page 242	
	Endplate	WSAS	Page 242	
	Bottom Connection Plate	RSL	Page 242	
	Edge Protection Plate	RKB	Page 242	
	Edge Protection	WBKS	Page 243	

Support Span L m	WRL 105...		WRL 150...		WRLM 150...	
	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
4	1,70	7,20	2,40	10,00	2,90	12,10
5	1,00	5,50	1,75	9,30	2,35	12,40
6	0,60	4,20	1,20	7,85	1,85	11,85
7	0,40	3,50	0,85	6,70	1,35	10,30
8	-	-	0,60	5,70	1,00	9,00
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 AISI 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 corrugated ventilated metal.
2. **Solid cable tray.** Solid bottom tray shall incorporate two side rails connected by solid steel metal.
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.

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.

**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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	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

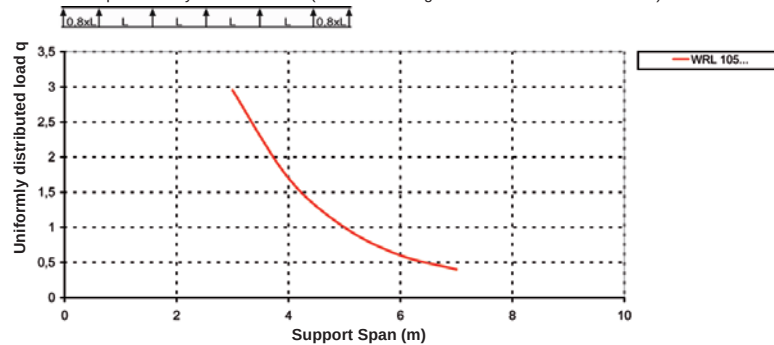
ventilated bottom

	model no.	height H	width B	length A	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch	mm		
S	WRL 105.200	105 4,1	200 7,9	6000 236,2	1,5	644,00	6 m
S	WRL 105.300	105 4,1	300 11,8	6000 236,2	1,5	684,63	6 m
S	WRL 105.400	105 4,1	400 15,7	6000 236,2	1,5	750,60	6 m
S	WRL 105.500	105 4,1	500 19,7	6000 236,2	1,5	812,24	6 m
S	WRL 105.600	105 4,1	600 23,6	6000 236,2	1,5	930,76	6 m
F	WRL 105.200 F	105 4,1	200 7,9	6000 236,2	1,5	687,78	6 m
F	WRL 105.300 F	105 4,1	300 11,8	6000 236,2	1,5	754,33	6 m
F	WRL 105.400 F	105 4,1	400 15,7	6000 236,2	1,5	826,84	6 m
F	WRL 105.500 F	105 4,1	500 19,7	6000 236,2	1,5	894,64	6 m
F	WRL 105.600 F	105 4,1	600 23,6	6000 236,2	1,5	1.025,02	6 m
E3	WRL 105.200 E3	105 4,1	200 7,9	6000 236,2	1,5	626,97	6 m
E3	WRL 105.300 E3	105 4,1	300 11,8	6000 236,2	1,5	687,87	6 m
E3	WRL 105.400 E3	105 4,1	400 15,7	6000 236,2	1,5	753,87	6 m
E3	WRL 105.500 E3	105 4,1	500 19,7	6000 236,2	1,5	815,78	6 m
E3	WRL 105.600 E3	105 4,1	600 23,6	6000 236,2	1,5	891,96	6 m

Also available in 3 meter length.

A bottom connection plate will be supplied for tray in 400, 500 and 600 mm width.

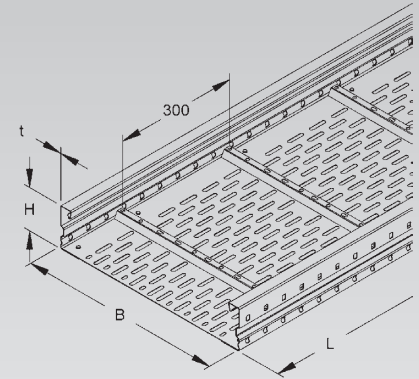
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
105
mm

Nominal
4
inches



Long Span Cable Tray

solid, but with splice plate perforation

	model no.	height H	width B	length A	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch	mm		
S	WRU 105.200	105 4,1	200 7,9	6000 236,2	1,5	672,00	6 m
S	WRU 105.300	105 4,1	300 11,8	6000 236,2	1,5	750,00	6 m
S	WRU 105.400	105 4,1	400 15,7	6000 236,2	1,5	810,32	6 m
S	WRU 105.500	105 4,1	500 19,7	6000 236,2	1,5	907,00	6 m
S	WRU 105.600	105 4,1	600 23,6	6000 236,2	1,5	985,00	6 m
F	WRU 105.200 F	105 4,1	200 7,9	6000 236,2	1,5	712,20	6 m
F	WRU 105.300 F	105 4,1	300 11,8	6000 236,2	1,5	750,00	6 m
F	WRU 105.400 F	105 4,1	400 15,7	6000 236,2	1,5	829,00	6 m
F	WRU 105.500 F	105 4,1	500 19,7	6000 236,2	1,5	907,00	6 m
F	WRU 105.600 F	105 4,1	600 23,6	6000 236,2	1,5	985,00	6 m

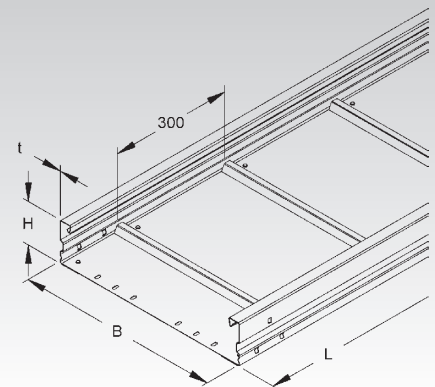
Solid side rails with reinforcing fins, solid bottom plate with reinforcing fins in transverse direction.

Also available in 3 meter length.

A bottom connection plate will be supplied for tray in 400, 500 and 600 mm width.

Height
105
mm

Nominal
4
inches



Splice Plate

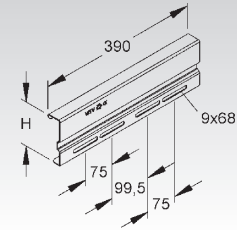
model no.	inside height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S WSV 105.390	106,5 4,2	390 15,4	116,04	10
F WSV 105.390 F	106,5 4,2	390 15,4	126,88	10
E3 WSV 105.390 E3	106,5 4,2	390 15,4	117,53	10

form-locking straight splice plate for long span trays and ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height 105 mm
Nominal 4 inches
67



Adjustable Splice Plate

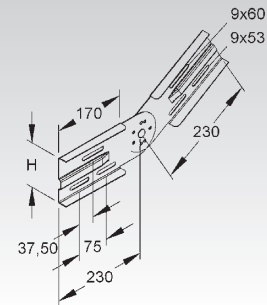
vertical

model no.	inside height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WSGV 105	106,5 4,2	92,07	1
F WSGV 105 F	106,5 4,2	99,91	1
E3 WSGV 105 E3	106,5 4,2	92,10	1

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height 105 mm
Nominal 4 inches



Adjustable Splice Plate

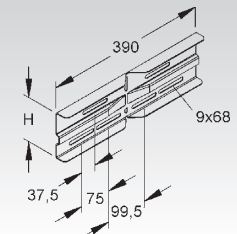
horizontal

model no.	inside height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S WSWV 105.390	106,5 4,2	390 15,4	92,46	10
F WSWV 105.390 F	106,5 4,2	390 15,4	100,57	10
E3 WSWV 105.390 E3	106,5 4,2	390 15,4	82,33	10

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height 105 mm
Nominal 4 inches

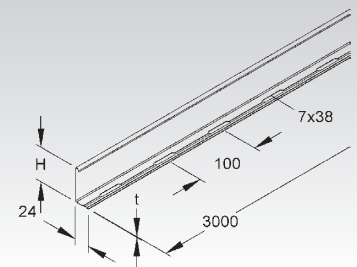


Barrier Strip

model no.	height H	thickness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 85	80 3,1	0,9	78,39	10 x 3 m
F RW 85 F	80 3,1	0,9	86,12	10 x 3 m
E3 RW 85 E3	80 3,1	0,9	78,88	10 x 3 m

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

Height 85 mm
Nominal 3 3/8 inches
64 68

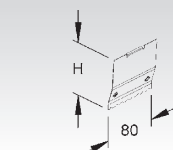


Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 85 E2	79,5 3,1	80 3,1	2,03	20

for positive locking connections and proper bonding of barrier strips

Height 85 mm
Nominal 3 3/8 inches
64



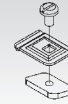
LONG SPAN CABLE TRAY

Mounting Clamp for Barrier Strip

model no.	Weight per 100 pcs kg	Pack / Box Qty
G KLWC 16	2,50	50
F KLWC 16 F	2,69	50
E3 KLWC 16 E3	2,96	50



64



Horizontal Elbow Building Block

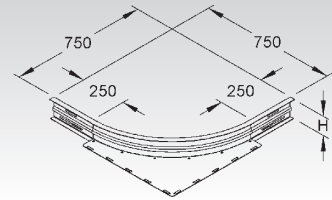
with integrated splices

model no.	inside height H mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S WAER 105	106,5 4,2	289,10	1
F WAER 105 F	106,5 4,2	322,60	1
E3 WAER 105 E3	106,5 4,2	366,11	1

for field manufacturing of longspan elbows and tees

Height
105
mm

Nominal
4
inches



Horizontal Elbow 90°

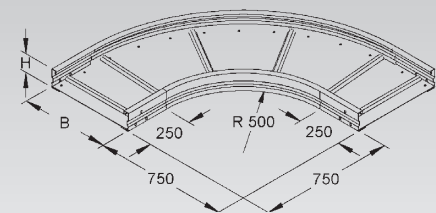
with solid siderails but prepunched holes for splice plates

model no.	height H mm Inch	width B mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S WRBR 105.200	105 4,1	200 7,9	962,63	1
S WRBR 105.300	105 4,1	300 11,8	1.140,87	1
S WRBR 105.400	105 4,1	400 15,7	1.331,82	1
S WRBR 105.500	105 4,1	500 19,7	1.534,55	1
S WRBR 105.600	105 4,1	600 23,6	1.749,43	1
F WRBR 105.200 F	105 4,1	200 7,9	1.058,89	1
F WRBR 105.300 F	105 4,1	300 11,8	1.254,96	1
F WRBR 105.400 F	105 4,1	400 15,7	1.465,00	1
F WRBR 105.500 F	105 4,1	500 19,7	1.688,01	1
F WRBR 105.600 F	105 4,1	600 23,6	1.924,37	1
E3 WRBR 105.200 E3	105 4,1	200 7,9	966,20	1
E3 WRBR 105.300 E3	105 4,1	300 11,8	1.145,58	1
E3 WRBR 105.400 E3	105 4,1	400 15,7	1.337,74	1
E3 WRBR 105.500 E3	105 4,1	500 19,7	1.541,31	1
E3 WRBR 105.600 E3	105 4,1	600 23,6	1.757,57	1

WSV 105.390 splice plates have to be ordered separately.

Height
105
mm

Nominal
4
inches



Extension Horizontal Tee

with integrated splices

model no.	inside height H mm Inch	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S WRTAR 105.200	106,5 4,2	205 8,1	1.144,32	1
S WRTAR 105.300	106,5 4,2	305 12	1.212,90	1
S WRTAR 105.400	106,5 4,2	405 15,9	1.281,49	1
S WRTAR 105.500	106,5 4,2	505 19,9	1.350,07	1
S WRTAR 105.600	106,5 4,2	605 23,8	1.418,65	1
F WRTAR 105.200 F	106,5 4,2	205 8,1	1.228,20	1
F WRTAR 105.300 F	106,5 4,2	305 12	1.301,70	1
F WRTAR 105.400 F	106,5 4,2	405 15,9	1.375,50	1
F WRTAR 105.500 F	106,5 4,2	505 19,9	1.449,20	1
F WRTAR 105.600 F	106,5 4,2	605 23,8	1.523,00	1
E3 WRTAR 105.200 E3	106,5 4,2	205 8,1	989,51	1
E3 WRTAR 105.300 E3	106,5 4,2	305 12	1.053,09	1
E3 WRTAR 105.400 E3	106,5 4,2	405 15,9	1.116,67	1
E3 WRTAR 105.500 E3	106,5 4,2	505 19,9	1.273,99	1
E3 WRTAR 105.600 E3	106,5 4,2	605 23,8	1.343,01	1

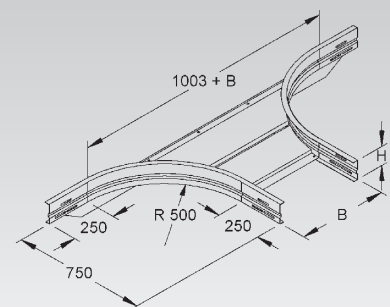
for field manufacturing of horizontal tees and crosses

Height
105
mm

Nominal
4
inches



68

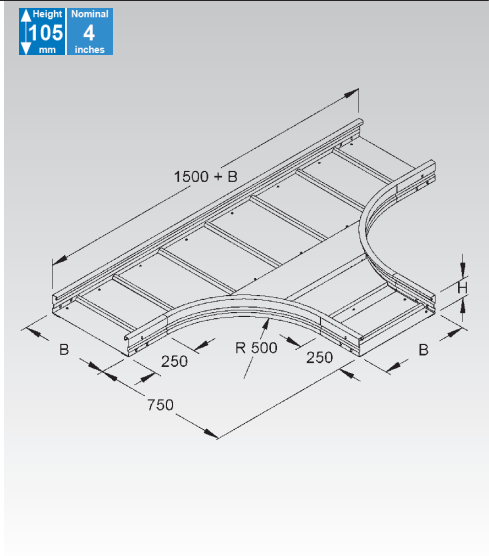


Horizontal Tee

with solid siderails but prepunched holes for splice plates

model no.		height H	width B	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	WRTR 105.200	105 4,1	200 7,9	1.599,81	1
S	WRTR 105.300	105 4,1	300 11,8	1.842,29	1
S	WRTR 105.400	105 4,1	400 15,7	2.107,36	1
S	WRTR 105.500	105 4,1	500 19,7	2.379,69	1
S	WRTR 105.600	105 4,1	600 23,6	2.784,16	1
F	WRTR 105.200 F	105 4,1	200 7,9	1.760,64	1
F	WRTR 105.300 F	105 4,1	300 11,8	2.026,52	1
F	WRTR 105.400 F	105 4,1	400 15,7	2.318,10	1
F	WRTR 105.500 F	105 4,1	500 19,7	2.617,66	1
F	WRTR 105.600 F	105 4,1	600 23,6	3.062,58	1
E3	WRTR 105.200 E3	105 4,1	200 7,9	1.605,70	1
E3	WRTR 105.300 E3	105 4,1	300 11,8	1.848,92	1
E3	WRTR 105.400 E3	105 4,1	400 15,7	2.115,67	1
E3	WRTR 105.500 E3	105 4,1	500 19,7	2.389,74	1
E3	WRTR 105.600 E3	105 4,1	600 23,6	2.678,03	1

WSV 105.390 splice plates have to be ordered separately.



LONG SPAN CABLE TRAY

Long Span Cable Tray

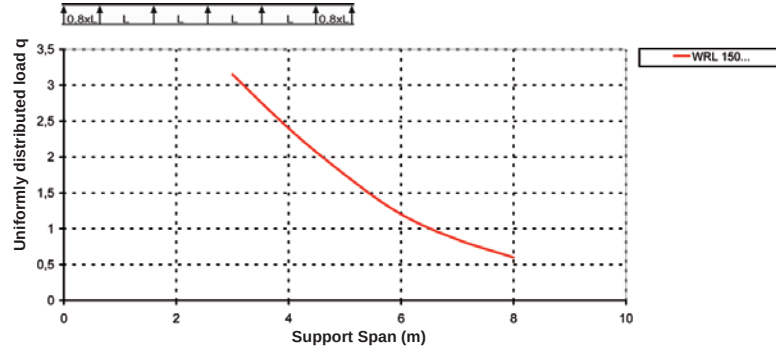
ventilated bottom

	model no.	height H	width B	length A	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch	mm		
S	WRL 150.200	150 5,9	200 7,9	6000 236,2	1,5	750,00	6 m
S	WRL 150.300	150 5,9	300 11,8	6000 236,2	1,5	815,00	6 m
S	WRL 150.400	150 5,9	400 15,7	6000 236,2	1,5	880,00	6 m
S	WRL 150.500	150 5,9	500 19,7	6000 236,2	1,5	945,00	6 m
S	WRL 150.600	150 5,9	600 23,6	6000 236,2	1,5	1.010,00	6 m
F	WRL 150.200 F	150 5,9	200 7,9	6000 236,2	1,5	803,64	6 m
F	WRL 150.300 F	150 5,9	300 11,8	6000 236,2	1,5	870,20	6 m
F	WRL 150.400 F	150 5,9	400 15,7	6000 236,2	1,5	942,71	6 m
F	WRL 150.500 F	150 5,9	500 19,7	6000 236,2	1,5	945,00	6 m
F	WRL 150.600 F	150 5,9	600 23,6	6000 236,2	1,5	1.010,00	6 m
E3	WRL 150.200 E3	150 5,9	200 7,9	6000 236,2	1,5	734,11	6 m
E3	WRL 150.300 E3	150 5,9	300 11,8	6000 236,2	1,5	815,00	6 m
E3	WRL 150.400 E3	150 5,9	400 15,7	6000 236,2	1,5	880,00	6 m
E3	WRL 150.500 E3	150 5,9	500 19,7	6000 236,2	1,5	945,00	6 m
E3	WRL 150.600 E3	150 5,9	600 23,6	6000 236,2	1,5	1.010,00	6 m

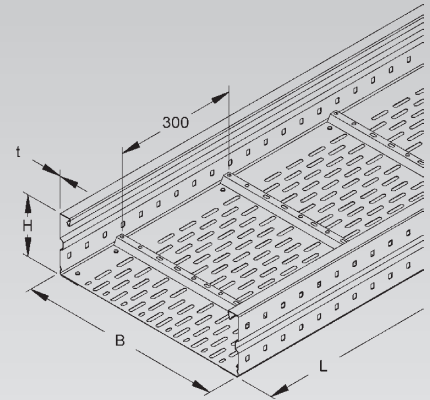
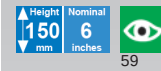
Also available in 3 meter length.

A bottom connection plate will be supplied for tray in 400, 500 and 600 mm width.

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



Specified load ratings are independant of splice plate location.



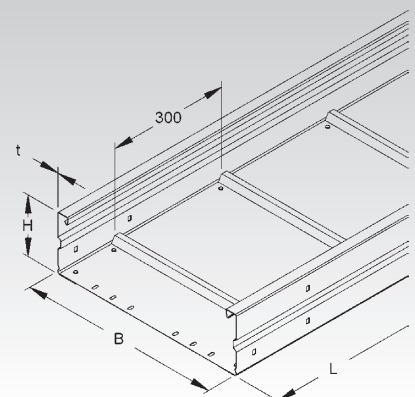
Long Span Cable Tray

solid, but with splice plate perforation

	model no.	height H	width B	length A	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch	mm		
S	WRU 150.200	150 5,9	200 7,9	6000 236,2	1,5	756,50	6 m
S	WRU 150.300	150 5,9	300 11,8	6000 236,2	1,5	855,00	6 m
S	WRU 150.400	150 5,9	400 15,7	6000 236,2	1,5	934,00	6 m
S	WRU 150.500	150 5,9	500 19,7	6000 236,2	1,5	1.014,00	6 m
S	WRU 150.600	150 5,9	600 23,6	6000 236,2	1,5	1.092,00	6 m
F	WRU 150.200 F	150 5,9	200 7,9	6000 236,2	1,5	833,39	6 m
F	WRU 150.300 F	150 5,9	300 11,8	6000 236,2	1,5	855,00	6 m
F	WRU 150.400 F	150 5,9	400 15,7	6000 236,2	1,5	934,00	6 m
F	WRU 150.500 F	150 5,9	500 19,7	6000 236,2	1,5	1.014,00	6 m
F	WRU 150.600 F	150 5,9	600 23,6	6000 236,2	1,5	1.092,00	6 m

Also available in 3 meter length.

A bottom connection plate will be supplied for tray in 400, 500 and 600 mm width.



Long Span Cable Tray

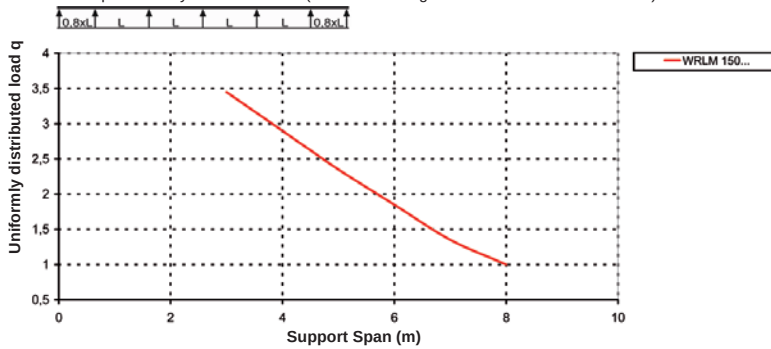
with perforated heavy duty siderails

	model no.	height H		width B		length A		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch			
S	WRLM 150.200	150	5,9	200	7,9	6000	236,2	2	950,00	6 m
S	WRLM 150.300	150	5,9	300	11,8	6000	236,2	2	1.015,00	6 m
S	WRLM 150.400	150	5,9	400	15,7	6000	236,2	2	1.080,00	6 m
S	WRLM 150.500	150	5,9	500	19,7	6000	236,2	2	1.145,00	6 m
S	WRLM 150.600	150	5,9	600	23,6	6000	236,2	2	1.210,00	6 m
F	WRLM 150.200 F	150	5,9	200	7,9	6000	236,2	2	1.017,87	6 m
F	WRLM 150.300 F	150	5,9	300	11,8	6000	236,2	2	1.084,43	6 m
F	WRLM 150.400 F	150	5,9	400	15,7	6000	236,2	2	1.080,00	6 m
F	WRLM 150.500 F	150	5,9	500	19,7	6000	236,2	2	1.224,82	6 m
F	WRLM 150.600 F	150	5,9	600	23,6	6000	236,2	2	1.210,00	6 m

Also available in 3 meter length.

A bottom connection plate will be supplied for tray in 400, 500 and 600 mm width.

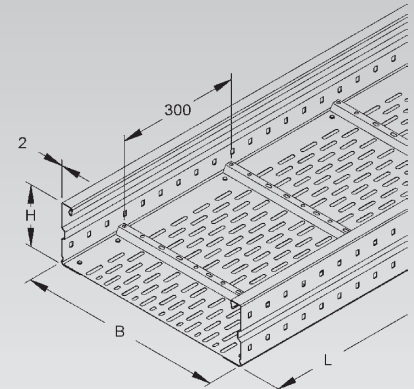
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independant of splice plate location.

Height
150
mm

Nominal
6
inches



Splice Plate

	model no.	inside height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSV 150.500	151,5	6	500	19,7	180	10
F	WSV 150.500 F	151,5	6	500	19,7	202	10
E3	WSV 150.500 E3	151,5	6	500	19,7	185	10

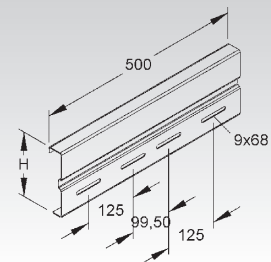
form-locking straight splice plate for long span trays and ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
150
mm

Nominal
6
inches



Adjustable Splice Plate

vertical

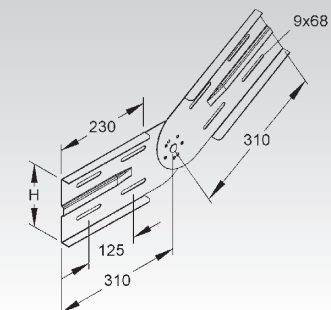
	model no.	inside height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	WSGV 150	151,5	6	151,95	1
F	WSGV 150 F	151,5	6	180,00	1
E3	WSGV 150 E3	151,5	6	152,42	1

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
150
mm

Nominal
6
inches



LONG SPAN CABLE TRAY

Adjustable Splice Plate

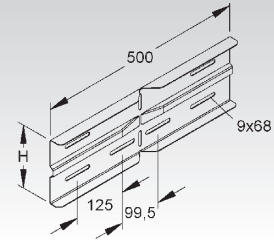
horizontal

model no.	inside height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S WSWV 150	151,5 6	500 19,7	128,75	10
F WSWV 150 F	151,5 6	500 19,7	140,49	10
E3 WSWV 150 E3	151,5 6	500 19,7	130,70	10

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
150
mm
Nominal
6
inches

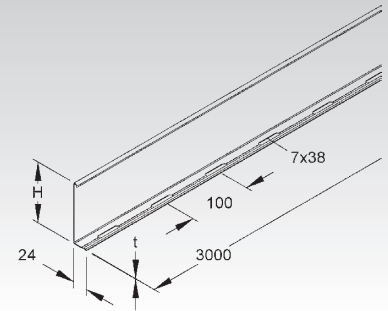


Barrier Strip

model no.	height H	thickness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 110	98 3,9	0,9	90,37	10 x 3 m
F RW 110 F	98 3,9	0,9	99,30	10 x 3 m
E3 RW 110 E3	98 3,9	0,9	90,94	10 x 3 m

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

Height
110
mm
Nominal
4 3/8
inches
64

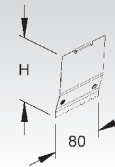


Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 110 E2	97,5 3,8	80 3,1	2,5	20

for positive locking connections and proper bonding of barrier strips

Height
110
mm
Nominal
4 3/8
inches
64



Mounting Clamp for Barrier Strip

model no.	Weight per 100 pcs kg	Pack / Box Qty
F KLWC 16 F	2,69	50
G KLWC 16	2,50	50
E3 KLWC 16 E3	2,96	50

64



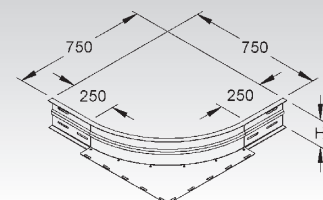
Horizontal Elbow Building Block

with integrated splices

model no.	inside height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WAER 150	151,5 6	431,90	1
F WAER 150 F	151,5 6	473,90	1
E3 WAER 150 E3	151,5 6	433,11	1

for field manufacturing of longspan elbows and tees

Height
150
mm
Nominal
6
inches



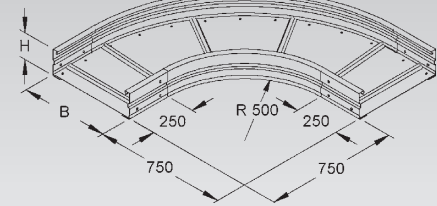
Horizontal Elbow 90°

with solid siderails but prepunched holes for splice plates

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WRBR 150.200	150	5,9	200	7,9	1.115,62	1
S	WRBR 150.300	150	5,9	300	11,8	1.302,20	1
S	WRBR 150.400	150	5,9	400	15,7	1.501,50	1
S	WRBR 150.500	150	5,9	500	19,7	1.712,50	1
S	WRBR 150.600	150	5,9	600	23,6	1.935,70	1
F	WRBR 150.200 F	150	5,9	200	7,9	1.227,20	1
F	WRBR 150.300 F	150	5,9	300	11,8	1.432,40	1
F	WRBR 150.400 F	150	5,9	400	15,7	1.651,60	1
F	WRBR 150.500 F	150	5,9	500	19,7	1.883,80	1
F	WRBR 150.600 F	150	5,9	600	23,6	2.129,30	1
E3	WRBR 150.200 E3	150	5,9	200	7,9	1.120,20	1
E3	WRBR 150.300 E3	150	5,9	300	11,8	1.307,92	1
E3	WRBR 150.400 E3	150	5,9	400	15,7	1.508,50	1
E3	WRBR 150.500 E3	150	5,9	500	19,7	1.720,40	1
E3	WRBR 150.600 E3	150	5,9	600	23,6	1.945,00	1

WSV 150.500 splice plates have to be ordered separately.

Height
150 mm
Nominal
6 inches



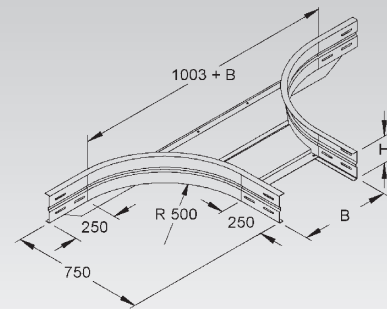
Extension Horizontal Tee

with integrated splices

	model no.	inside height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WRTAR 150.200	151,5	6	205	8,1	1.196,8	1
S	WRTAR 150.300	151,5	6	305	12	1.265,4	1
S	WRTAR 150.400	151,5	6	405	15,9	1.333,9	1
S	WRTAR 150.500	151,5	6	505	19,9	1.402,5	1
S	WRTAR 150.600	151,5	6	605	23,8	1.471,1	1
F	WRTAR 150.200 F	151,5	6	205	8,1	1.314,0	1
F	WRTAR 150.300 F	151,5	6	305	12	1.389,5	1
F	WRTAR 150.400 F	151,5	6	405	15,9	1.464,9	1
F	WRTAR 150.500 F	151,5	6	505	19,9	1.540,4	1
F	WRTAR 150.600 F	151,5	6	605	23,8	1.615,8	1
E3	WRTAR 150.200 E3	151,5	6	205	8,1	1.123,5	1
E3	WRTAR 150.300 E3	151,5	6	305	12	1.187,1	1
E3	WRTAR 150.400 E3	151,5	6	405	15,9	1.250,7	1
E3	WRTAR 150.500 E3	151,5	6	505	19,9	1.495,7	1
E3	WRTAR 150.600 E3	151,5	6	605	23,8	1.477,0	1

for field manufacturing of horizontal tees and crosses

Height
150 mm
Nominal
6 inches



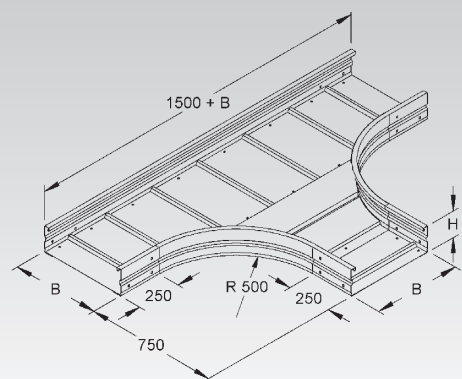
Horizontal Tee

with solid siderails but prepunched holes for splice plates

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WRTR 150.200	150	5,9	200	7,9	1.826,71	1
S	WRTR 150.300	150	5,9	300	11,8	2.074,21	1
S	WRTR 150.400	150	5,9	400	15,7	2.344,60	1
S	WRTR 150.500	150	5,9	500	19,7	2.622,21	1
S	WRTR 150.600	150	5,9	600	23,6	3.031,98	1
F	WRTR 150.200 F	150	5,9	200	7,9	2.009,90	1
F	WRTR 150.300 F	150	5,9	300	11,8	2.281,60	1
F	WRTR 150.400 F	150	5,9	400	15,7	2.579,00	1
F	WRTR 150.500 F	150	5,9	500	19,7	2.884,40	1
F	WRTR 150.600 F	150	5,9	600	23,6	3.335,20	1
E3	WRTR 150.200 E3	150	5,9	200	7,9	1.833,77	1
E3	WRTR 150.300 E3	150	5,9	300	11,8	2.082,30	1
E3	WRTR 150.400 E3	150	5,9	400	15,7	2.354,40	1
E3	WRTR 150.500 E3	150	5,9	500	19,7	2.633,80	1
E3	WRTR 150.600 E3	150	5,9	600	23,6	2.927,40	1

WSV 150.500 splice plates have to be ordered separately.

Height
150 mm
Nominal
6 inches



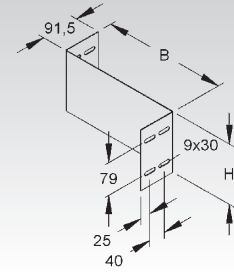
LONG SPAN CABLE TRAY

Reducer

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
★ S	WSRS 150.100 S	150	5,9	100	3,9	53,61	1
★ S	WSRS 150.150 S	150	5,9	150	5,9	62,20	1
★ S	WSRS 150.200 S	150	5,9	200	7,9	70,80	1
★ S	WSRS 150.300 S	150	5,9	300	11,8	87,99	1

can be used as a reducer for longspan cable trays and ladders

Height
150
mm
Nominal
6
inches

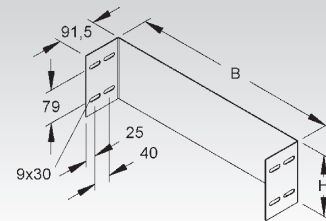


Endplate

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
★ S	WSAS 150.200 S	150	5,9	200	7,9	70	1
★ S	WSAS 150.300 S	150	5,9	300	11,8	90	1
★ S	WSAS 150.400 S	150	5,9	400	15,7	100	1
★ S	WSAS 150.450 S	150	5,9	450	17,7	108	1
★ S	WSAS 150.500 S	150	5,9	500	19,7	117	1
★ S	WSAS 150.600 S	150	5,9	600	23,6	123	1
★ S	WSAS 150.900 S	150	5,9	900	35,4	192	1

can be used as blind end or as reducer for longspan cable trays and ladders

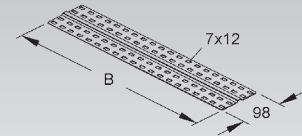
Height
150
mm
Nominal
6
inches



Bottom Connection Plate

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	RSL 400	389	15,3	30,06	1
S	RSL 500	489	19,3	37,00	1
S	RSL 600	589	23,2	43,94	1
F	RSL 400 F	389	15,3	33,15	1
F	RSL 500 F	489	19,3	40,78	1
F	RSL 600 F	589	23,2	48,41	1
E3	RSL 400 E3	389	15,3	27,97	1
E3	RSL 500 E3	489	19,3	34,26	1
E3	RSL 600 E3	589	23,2	40,54	1

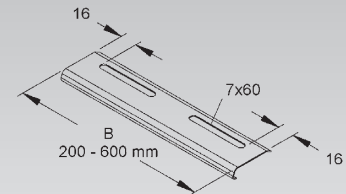
to stabilize bottom plate joints of long span trays (required only for tray width 400 mm and up)



Edge Protection Plate

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	RKB 200	192	7,6	8,77	10
S	RKB 300	292	11,5	12,84	10
S	RKB 400	392	15,4	16,91	10
S	RKB 500	492	19,4	20,98	10
S	RKB 600	592	23,3	25,05	10
F	RKB 200 F	192	7,6	9,69	50
F	RKB 300 F	292	11,5	14,16	50
F	RKB 400 F	392	15,4	18,64	50
F	RKB 500 F	492	19,4	23,12	50
F	RKB 600 F	592	23,3	27,60	50
E3	RKB 200 E3	192	7,6	9,04	10
E3	RKB 300 E3	292	11,5	13,13	10
E3	RKB 400 E3	392	15,4	17,23	10
E3	RKB 600 E3	592	23,3	25,42	10

with rounded edges to protect cables at the joint and to reinforce the bottom of cable trays



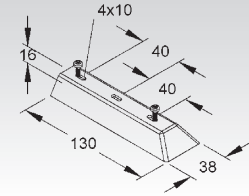
Edge Protection

2 self tapping screws included

model no.	color	Weight per 100 pcs kg	Pack / Box Qty
K04 WBKS 130 E3	grey	1,42	20

protective end cap

Suitable for: WRL... longspan trays with corrugated bottom



LONG SPAN CABLE LADDER

Available Side Rail Heights  

SYSTEM	Long Span Cable Ladder	WSL	 Page 247	 Page 251
	Long Span Cable Ladder	WSLM	 —	 Page 252
	Splice Plate	WSV	 Page 247	 Page 252
ACCESSORIES	Adjustable Splice Plate	WSGV	 Page 247	 Page 252
	Adjustable Splice Plate	WSWV	 Page 248	 Page 253
	Horizontal Elbow Building Block	WAER	 Page 248	 Page 253
	Horizontal Elbow 90°	WSBR	 Page 249	 Page 254
	Extension Horizontal Tee	WSTAR	 Page 249	 Page 254
	Horizontal Tee	WSTR	 Page 250	 Page 255
	Reducer	WSRS	—	 Page 255
	Endplate	WSAS	—	 Page 255
	Pair of Protective End Caps	SKWHM	Page 250	
	Barrier Strip	RW	Page 248/253	
	Splice Plate for Barrier Strip	RTV	Page 248/253	
	Mounting Clamp for Barrier Strip	KLWC 16	Page 248/253	
	Bottom Plate	WBL	Page 256	
	Sloped Sliding Nut	GSF	Page 256	
	Slotted Pan Head Bolt	FK 6x12	Page 256	
	Ladder Drop Out	WLAB	Page 256	
	Mounting Clamp for Long Span Ladders	WSTB	Page 257	
	Two Hole Corner Angle	WWU	Page 257	
	Three Hole Corner Angle	WWA	Page 257	
	Cover for Long Span Cable Trays/Ladders	WDV	Page 258	
	Cover for 90° Horizontal Elbow	WBRDV	Page 258	
	Cover for Horizontal Extension Tee	WTARDV	Page 259	
	Cover for Horizontal Tee	WTRDV	Page 259	
	Turn-bolt Lock	WDRS	Page 259	

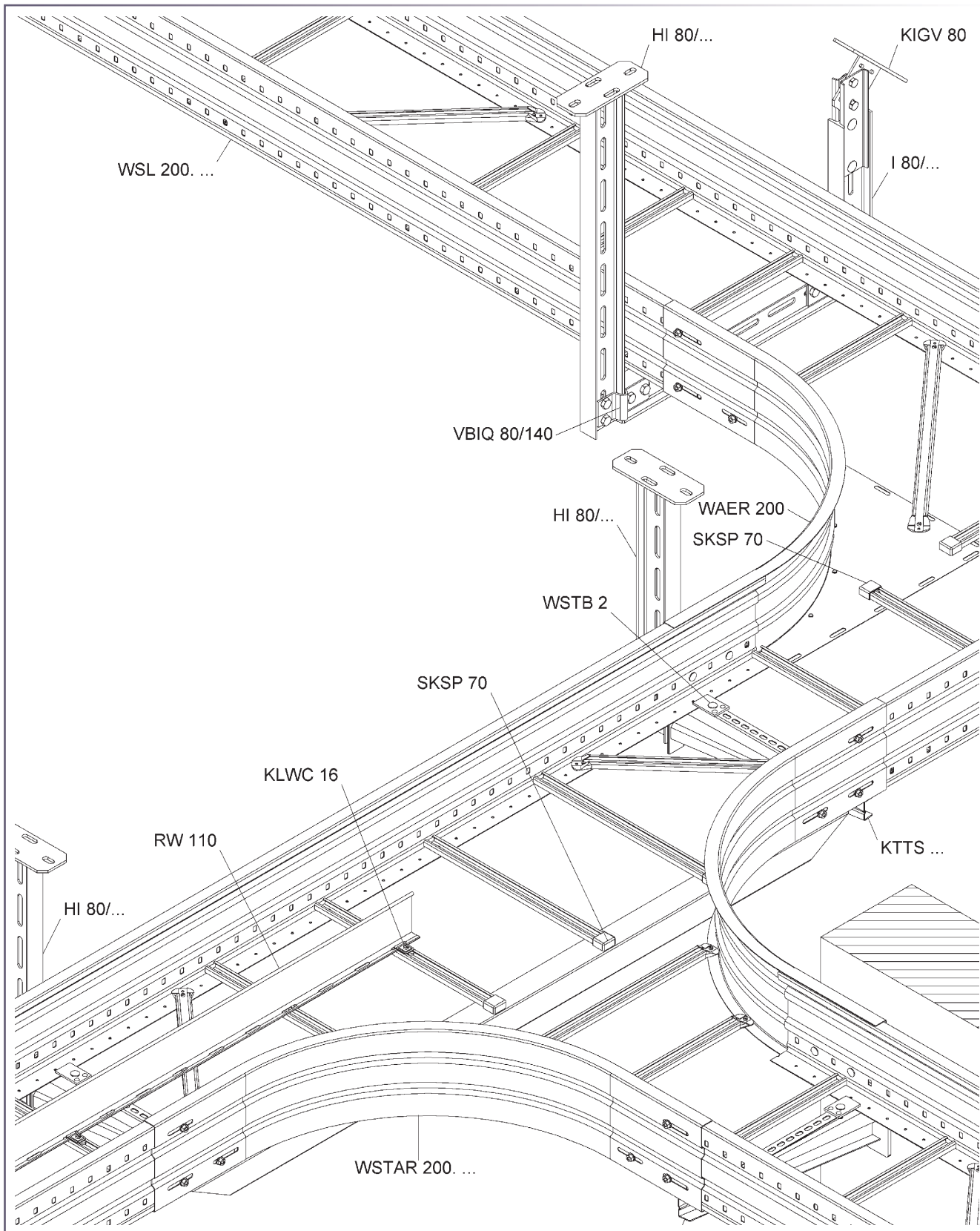
	WSL 105...		WSL 150...		WSLM 150...	
Support Span L m	q kN/m	F kN	q kN/m	F kN	q kN/m	F kN
3	2,95	9,05	3,15	9,70	3,45	10,65
4	1,70	7,05	2,30	9,50	2,60	10,80
5	1,00	5,35	1,45	7,60	2,00	10,50
6	0,60	4,00	0,85	5,55	1,50	9,60
7	0,40	3,25	0,55	4,35	1,15	8,75
8	-	-	0,40	3,80	0,90	8,00
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-

* 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 ² / in. ²	in accordance to NEMA VE 2 mm ² / in. ²	Rated Load Kg/m / lb./ft.	Support spacing m / ft.	Load/Span Class
WSLX 105.200, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.300, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.400, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.450, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.500, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.600, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.750, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 105.900, ... F, ... E3	627.0 / 0.97	452 / 0.7	67 / 45	6 / 19.7	12C, 16A, C
WSLX 150.200, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSLX 150.300, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSLX 150.400, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSLX 150.450, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSLX 150.500, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSLX 150.600, ... F, ... E3	762.0 / 1.18	645 / 1.0	73.0 / 49	6 / 19.7	12C, 20AA, D
WSL-MX 150.450, ... F	762.0 / 1.18	645 / 1.0	105 / 70	6 / 19.7	16C, 20A, D
WSL-MX 150.500, ... F	762.0 / 1.18	645 / 1.0	105 / 70	6 / 19.7	16C, 20A, D
WSL-MX 150.600, ... F	762.0 / 1.18	645 / 1.0	105 / 70	6 / 19.7	16C, 20A, D
WSL-MX 150.750, ... F	762.0 / 1.18	645 / 1.0	113 / 76	6 / 19.7	16C, 20B, E
WSL-MX 150.900, ... F	762.0 / 1.18	645 / 1.0	113 / 76	6 / 19.7	16C, 20B, E
WSLMX 150.200, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.300, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.400, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.450, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.500, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.600, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.750, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLMX 150.900, ... F	896 / 1.39	645 / 1.0	122 / 82	6 / 19.7	16C, 20B, E
WSLM-SX 150.450, ... F	896 / 1.39	645 / 1.0	151 / 101	6 / 19.7	20C, E
WSLM-SX 150.500, ... F	896 / 1.39	645 / 1.0	151 / 101	6 / 19.7	20C, E
WSLM-SX 150.600, ... F	896 / 1.39	645 / 1.0	151 / 101	6 / 19.7	20C, E
WSLM-SX 150.750, ... F	896 / 1.39	645 / 1.0	151 / 101	6 / 19.7	20C, E
WSLM-SX 150.900, ... F	896 / 1.39	645 / 1.0	151 / 101	6 / 19.7	20C, E

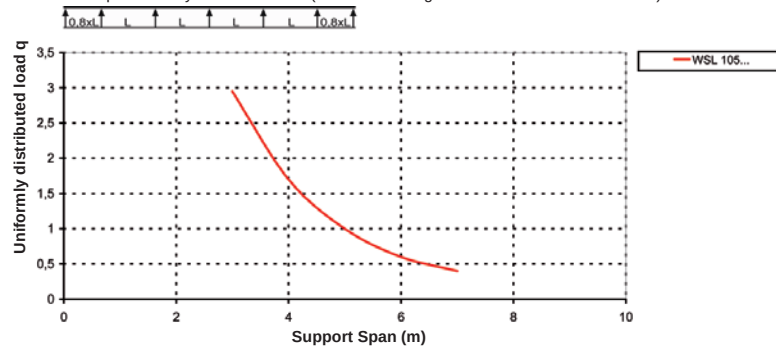
Long Span Cable Ladder

C-channel rungs with 16 mm slot width, standard spacing 300 mm

	model no.	height H		width B		length A		thickness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch			
S	WSL 105.200	105	4,1	200	7,9	6000	236,2	1,5	534,00	6 m
S	WSL 105.300	105	4,1	300	11,8	6000	236,2	1,5	559,00	6 m
S	WSL 105.400	105	4,1	400	15,7	6000	236,2	1,5	584,00	6 m
S	WSL 105.450	105	4,1	450	17,7	6000	236,2	1,5	614,93	6 m
S	WSL 105.500	105	4,1	500	19,7	6000	236,2	1,5	609,00	6 m
S	WSL 105.600	105	4,1	600	23,6	6000	236,2	1,5	634,00	6 m
F	WSL 105.200 F	105	4,1	200	7,9	6000	236,2	1,5	599,59	6 m
F	WSL 105.300 F	105	4,1	300	11,8	6000	236,2	1,5	629,55	6 m
F	WSL 105.400 F	105	4,1	400	15,7	6000	236,2	1,5	659,51	6 m
F	WSL 105.450 F	105	4,1	450	17,7	6000	236,2	1,5	676,43	6 m
F	WSL 105.500 F	105	4,1	500	19,7	6000	236,2	1,5	687,56	6 m
F	WSL 105.600 F	105	4,1	600	23,6	6000	236,2	1,5	717,51	6 m
E3	WSL 105.200 E3	105	4,1	200	7,9	6000	236,2	1,5	534,00	6 m
E3	WSL 105.300 E3	105	4,1	300	11,8	6000	236,2	1,5	559,00	6 m
E3	WSL 105.400 E3	105	4,1	400	15,7	6000	236,2	1,5	584,00	6 m
E3	WSL 105.500 E3	105	4,1	500	19,7	6000	236,2	1,5	609,00	6 m
E3	WSL 105.600 E3	105	4,1	600	23,6	6000	236,2	1,5	634,00	6 m

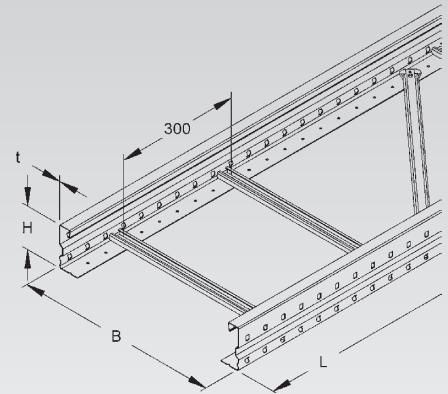
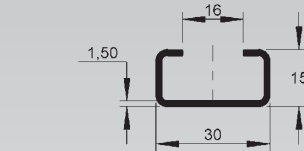
Also available in 3 meter length.

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



Specified load ratings are independent of splice plate location.

Height 105 mm
Nominal 4 inches
60



Splice Plate

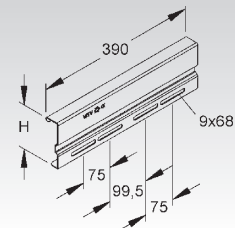
	model no.	inside height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSV 105.390	106,5	4,2	390	15,4	116,04	10
F	WSV 105.390 F	106,5	4,2	390	15,4	126,88	10
E3	WSV 105.390 E3	106,5	4,2	390	15,4	117,53	10

form-locking straight splice plate for long span trays and ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height 105 mm
Nominal 4 inches
67



Adjustable Splice Plate

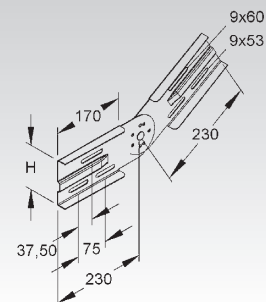
vertical

	model no.	inside height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	WSGV 105	106,5	4,2	92,07	1
F	WSGV 105 F	106,5	4,2	99,91	1
E3	WSGV 105 E3	106,5	4,2	92,10	1

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height 105 mm
Nominal 4 inches



LONG SPAN CABLE LADDER

Adjustable Splice Plate

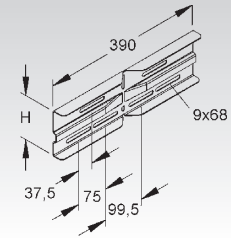
horizontal

model no.	inside height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S WSWV 105.390	106,5 4,2	390 15,4	92,46	10
F WSWV 105.390 F	106,5 4,2	390 15,4	100,57	10
E3 WSWV 105.390 E3	106,5 4,2	390 15,4	82,33	10

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
105 mm
Nominal
4 inches

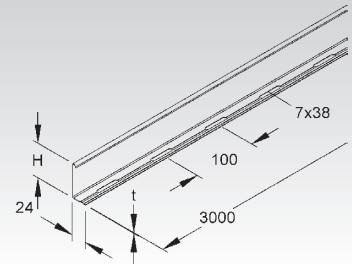
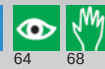


Barrier Strip

model no.	height H	thickness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 85	80 3,1	0,9	78,39	10 x 3 m
F RW 85 F	80 3,1	0,9	86,12	10 x 3 m
E3 RW 85 E3	80 3,1	0,9	78,88	10 x 3 m

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

Height
85 mm
Nominal
3 3/8 inches

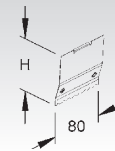


Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 85 E2	79,5 3,1	80 3,1	2,03	20

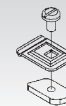
for positive locking connections and proper bonding of barrier strips

Height
85 mm
Nominal
3 3/8 inches



Mounting Clamp for Barrier Strip

model no.	Weight per 100 pcs kg	Pack / Box Qty
G KLWC 16	2,50	50
F KLWC 16 F	2,69	50
E3 KLWC 16 E3	2,96	50



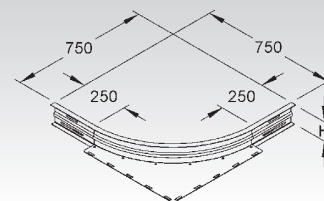
Horizontal Elbow Building Block

with integrated splices

model no.	inside height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WAER 105	106,5 4,2	289,10	1
F WAER 105 F	106,5 4,2	322,60	1
E3 WAER 105 E3	106,5 4,2	366,11	1

for field manufacturing of longspan elbows and tees

Height
105 mm
Nominal
4 inches

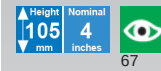


Horizontal Elbow 90°

with solid siderails but prepunched holes for splice plates

model no.		height H	width B	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	WSBR 105.200	105 4,1	200 7,9	828,85	1
S	WSBR 105.300	105 4,1	300 11,8	921,46	1
S	WSBR 105.400	105 4,1	400 15,7	1.014,06	1
S	WSBR 105.450	105 4,1	450 17,7	1.060,36	1
S	WSBR 105.500	105 4,1	500 19,7	1.106,66	1
S	WSBR 105.600	105 4,1	600 23,6	1.199,27	1
F	WSBR 105.200 F	105 4,1	200 7,9	911,74	1
F	WSBR 105.300 F	105 4,1	300 11,8	1.013,60	1
F	WSBR 105.400 F	105 4,1	400 15,7	1.115,47	1
F	WSBR 105.450 F	105 4,1	450 17,7	1.166,40	1
F	WSBR 105.500 F	105 4,1	500 19,7	1.217,33	1
F	WSBR 105.600 F	105 4,1	600 23,6	1.319,20	1
E3	WSBR 105.200 E3	105 4,1	200 7,9	834,13	1
E3	WSBR 105.300 E3	105 4,1	300 11,8	927,32	1
E3	WSBR 105.400 E3	105 4,1	400 15,7	1.020,52	1
E3	WSBR 105.500 E3	105 4,1	500 19,7	1.113,71	1
E3	WSBR 105.600 E3	105 4,1	600 23,6	1.206,90	1

WSV 105.390 splice plates have to be ordered separately.

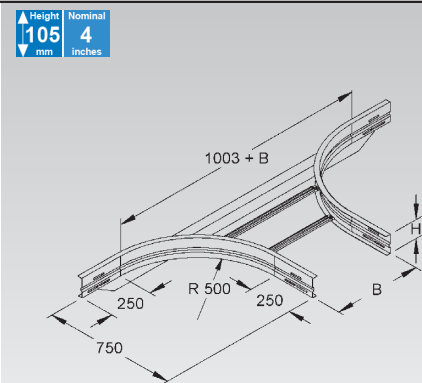


Extension Horizontal Tee

with integrated splices

model no.		inside height H	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch	mm Inch		
S	WSTAR 105.200	106,5 4,2	205 8,1	972,35	1
S	WSTAR 105.300	106,5 4,2	305 12	1.009,16	1
S	WSTAR 105.400	106,5 4,2	405 15,9	1.045,95	1
S	WSTAR 105.450	106,5 4,2	455 17,9	1.065,90	1
S	WSTAR 105.500	106,5 4,2	505 19,9	1.085,86	1
S	WSTAR 105.600	106,5 4,2	605 23,8	1.117,73	1
F	WSTAR 105.200 F	106,5 4,2	205 8,1	1.067,19	1
F	WSTAR 105.300 F	106,5 4,2	305 12	1.107,67	1
F	WSTAR 105.400 F	106,5 4,2	405 15,9	1.148,15	1
F	WSTAR 105.450 F	106,5 4,2	455 17,9	1.170,10	1
F	WSTAR 105.500 F	106,5 4,2	505 19,9	1.192,05	1
F	WSTAR 105.600 F	106,5 4,2	605 23,8	1.227,10	1
E3	WSTAR 105.200 E3	106,5 4,2	205 8,1	841,70	1
E3	WSTAR 105.300 E3	106,5 4,2	305 12	878,60	1
E3	WSTAR 105.400 E3	106,5 4,2	405 15,9	915,30	1
E3	WSTAR 105.500 E3	106,5 4,2	505 19,9	955,30	1
E3	WSTAR 105.600 E3	106,5 4,2	605 23,8	987,10	1

for field manufacturing of horizontal tees and crosses



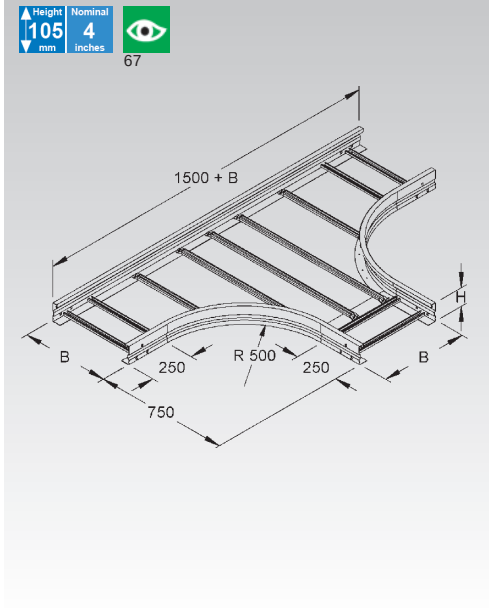
LONG SPAN CABLE LADDER

Horizontal Tee

with solid siderails but prepunched holes for splice plates

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSTR 105.200	105	4,1	200	7,9	1.322,16	1
S	WSTR 105.300	105	4,1	300	11,8	1.423,00	1
S	WSTR 105.400	105	4,1	400	15,7	1.581,45	1
S	WSTR 105.450	105	4,1	450	17,7	1.676,91	1
S	WSTR 105.500	105	4,1	500	19,7	1.772,38	1
S	WSTR 105.600	105	4,1	600	23,6	1.895,48	1
F	WSTR 105.200 F	105	4,1	200	7,9	1.454,37	1
F	WSTR 105.300 F	105	4,1	300	11,8	1.565,30	1
F	WSTR 105.400 F	105	4,1	400	15,7	1.739,59	1
F	WSTR 105.450 F	105	4,1	450	17,7	1.844,60	1
F	WSTR 105.500 F	105	4,1	500	19,7	1.949,62	1
F	WSTR 105.600 F	105	4,1	600	23,6	2.085,03	1
E3	WSTR 105.200 E3	105	4,1	200	7,9	1.330,57	1
E3	WSTR 105.300 E3	105	4,1	300	11,8	1.432,06	1
E3	WSTR 105.400 E3	105	4,1	400	15,7	1.591,51	1
E3	WSTR 105.500 E3	105	4,1	500	19,7	1.783,66	1
E3	WSTR 105.600 E3	105	4,1	600	23,6	1.907,55	1

WSV 105.390 splice plates have to be ordered separatly.

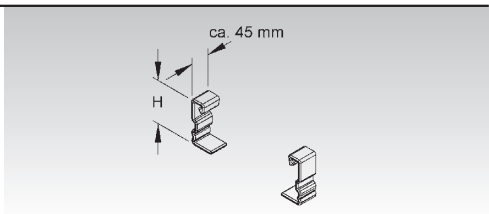


Pair of Protective End Caps

	model no.	height H		color	Weight per 100 pair kg	Pack / Box Qty
		mm	Inch			
K10	SKWHM 105	105	4,1	yellow	11	10 sets

protective end cap for WSL 105... siderails

Suitable for: WSL 105... longspan cable ladder



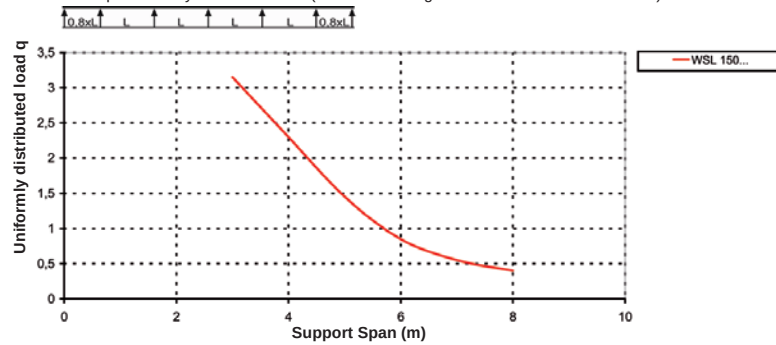
Long Span Cable Ladder

C-channel rungs with 16 mm slot width, standard spacing 300 mm

model no.		height H	width B	length A	thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm Inch	mm Inch	mm Inch	mm		
S	WSL 150.200	150 5,9	200 7,9	6000 236,2	1,5	560,00	6 m
S	WSL 150.300	150 5,9	300 11,8	6000 236,2	1,5	637,00	6 m
S	WSL 150.400	150 5,9	400 15,7	6000 236,2	1,5	660,00	6 m
S	WSL 150.500	150 5,9	500 19,7	6000 236,2	1,5	684,00	6 m
S	WSL 150.600	150 5,9	600 23,6	6000 236,2	1,5	707,00	6 m
S	WSL 150.900	150 5,9	900 35,4	6000 236,2	1,5	1.030,34	6 m
F	WSL 150.200 F	150 5,9	200 7,9	6000 236,2	1,5	716,69	6 m
F	WSL 150.300 F	150 5,9	300 11,8	6000 236,2	1,5	746,65	6 m
F	WSL 150.400 F	150 5,9	400 15,7	6000 236,2	1,5	776,62	6 m
F	WSL 150.500 F	150 5,9	500 19,7	6000 236,2	1,5	804,66	6 m
F	WSL 150.600 F	150 5,9	600 23,6	6000 236,2	1,5	834,61	6 m
F	WSL 150.900 F	150 5,9	900 35,4	6000 236,2	1,5	1.133,37	6 m
E3	WSL 150.200 E3	150 5,9	200 7,9	6000 236,2	1,5	655,69	6 m
E3	WSL 150.300 E3	150 5,9	300 11,8	6000 236,2	1,5	683,10	6 m
E3	WSL 150.400 E3	150 5,9	400 15,7	6000 236,2	1,5	710,51	6 m
E3	WSL 150.500 E3	150 5,9	500 19,7	6000 236,2	1,5	736,17	6 m
E3	WSL 150.600 E3	150 5,9	600 23,6	6000 236,2	1,5	763,57	6 m

Also available in 3 meter length.

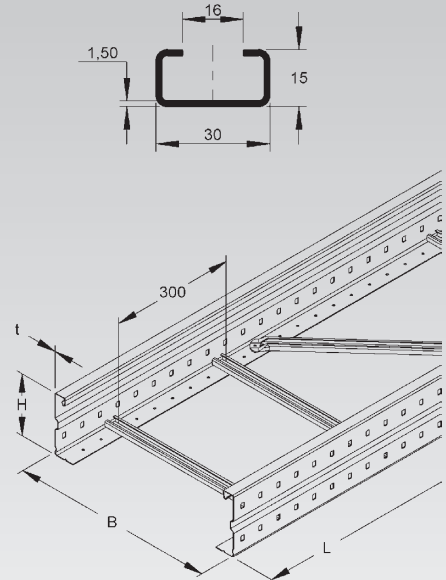
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independant of splice plate location.

Height
mm
150

Nominal
inches
6



LONG SPAN CABLE LADDER

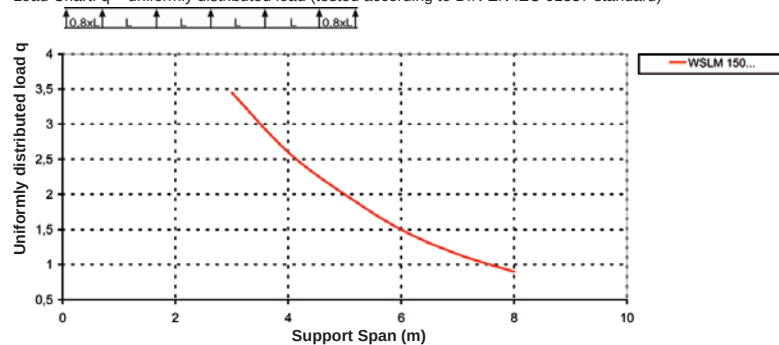
Long Span Cable Ladder

C-channel rungs with 16 mm slot width, standard spacing 300 mm

model no.		height H		width B		length A		thick- ness t	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch	mm	Inch	mm		
S	WSLM 150.200	150	5,9	200	7,9	6000	236,2	2	740,00	6 m
S	WSLM 150.300	150	5,9	300	11,8	6000	236,2	2	840,00	6 m
S	WSLM 150.400	150	5,9	400	15,7	6000	236,2	2	860,00	6 m
S	WSLM 150.450	150	5,9	450	17,7	6000	236,2	2	913,87	6 m
S	WSLM 150.500	150	5,9	500	19,7	6000	236,2	2	880,00	6 m
S	WSLM 150.600	150	5,9	600	23,6	6000	236,2	2	900,00	6 m
S	WSLM 150.900	150	5,9	900	35,4	6000	236,2	2	1.225,02	6 m
F	WSLM 150.200 F	150	5,9	200	7,9	6000	236,2	2	930,38	6 m
F	WSLM 150.300 F	150	5,9	300	11,8	6000	236,2	2	960,34	6 m
F	WSLM 150.400 F	150	5,9	400	15,7	6000	236,2	2	990,30	6 m
F	WSLM 150.450 F	150	5,9	450	17,7	6000	236,2	2	1.005,25	6 m
F	WSLM 150.500 F	150	5,9	500	19,7	6000	236,2	2	1.018,35	6 m
F	WSLM 150.600 F	150	5,9	600	23,6	6000	236,2	2	1.048,30	6 m
F	WSLM 150.900 F	150	5,9	900	35,4	6000	236,2	2	1.347,52	6 m

Also available in 3 meter length.

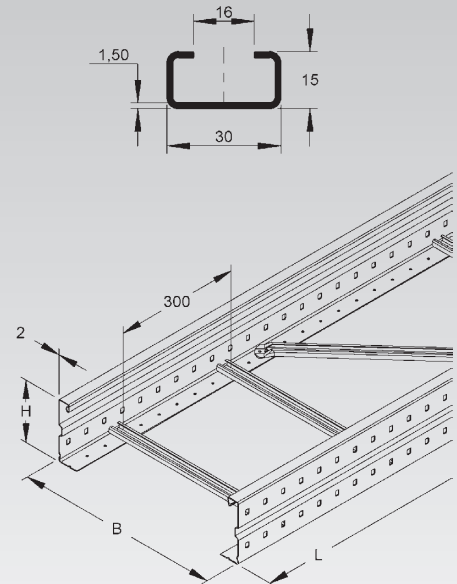
Load Chart: q = uniformly distributed load (tested according to DIN EN IEC 61537 standard)



Specified load ratings are independent of splice plate location.

Height
150
mm

Nominal
6
inches



Splice Plate

model no.		inside height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSV 150.500	151,5	6	500	19,7	180	10
F	WSV 150.500 F	151,5	6	500	19,7	202	10
E3	WSV 150.500 E3	151,5	6	500	19,7	185	10

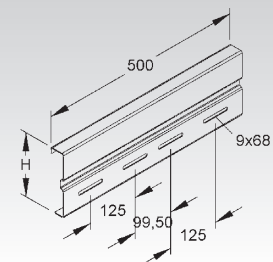
form-locking straight splice plate for long span trays and ladders

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
150
mm

Nominal
6
inches



Adjustable Splice Plate

vertical

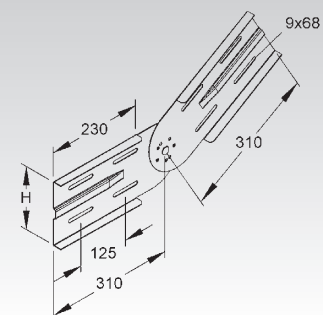
model no.		inside height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	WSGV 150	151,5	6	151,95	1
F	WSGV 150 F	151,5	6	180,00	1
E3	WSGV 150 E3	151,5	6	152,42	1

2 pieces required per joint

UL classified splice plates ensure electrical continuity and proper bonding.

Height
150
mm

Nominal
6
inches



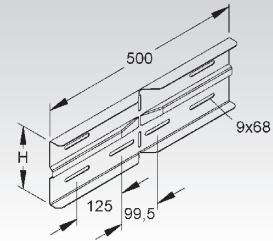
Adjustable Splice Plate

horizontal

model no.	inside height H	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
S WSWV 150	151,5 6	500 19,7	128,75	10
F WSWV 150 F	151,5 6	500 19,7	140,49	10
E3 WSWV 150 E3	151,5 6	500 19,7	130,70	10

2 pieces required per joint

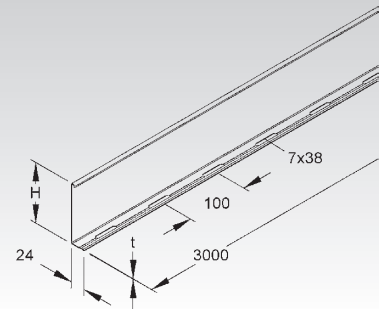
UL classified splice plates ensure electrical continuity and proper bonding.



Barrier Strip

model no.	height H	thickness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S RW 110	98 3,9	0,9	90,37	10 x 3 m
F RW 110 F	98 3,9	0,9	99,30	10 x 3 m
E3 RW 110 E3	98 3,9	0,9	90,94	10 x 3 m

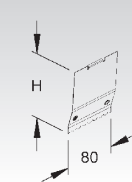
to separate wires and cables of different voltage levels or with different functions



Splice Plate for Barrier Strip

model no.	height H	length A	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch		
E2 RTV 110 E2	97,5 3,8	80 3,1	2,5	20

for positive locking connections and proper bonding of barrier strips



Mounting Clamp for Barrier Strip

model no.	Weight per 100 pcs kg	Pack / Box Qty
G KLWC 16	2,50	50
F KLWC 16 F	2,69	50
E3 KLWC 16 E3	2,96	50

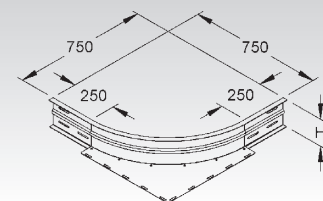


Horizontal Elbow Building Block

with integrated splices

model no.	inside height H	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WAER 150	151,5 6	431,90	1
F WAER 150 F	151,5 6	473,90	1
E3 WAER 150 E3	151,5 6	433,11	1

for field manufacturing of longspan elbows and tees



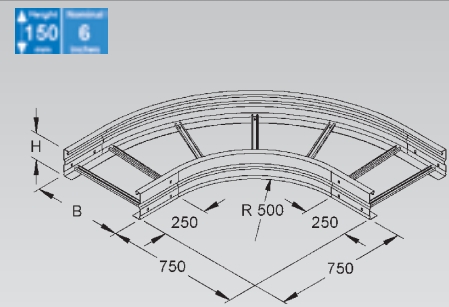
LONG SPAN CABLE LADDER

Horizontal Elbow 90°

with solid siderails but prepunched holes for splice plates

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSBR 150.200	150	5,9	200	7,9	981,84	1
S	WSBR 150.300	150	5,9	300	11,8	1.082,76	1
S	WSBR 150.400	150	5,9	400	15,7	1.183,70	1
S	WSBR 150.450	150	5,9	450	17,7	1.234,16	1
S	WSBR 150.500	150	5,9	500	19,7	1.284,62	1
S	WSBR 150.600	150	5,9	600	23,6	1.385,55	1
S	WSBR 150.900	150	5,9	900	35,4	2.123,38	1
F	WSBR 150.200 F	150	5,9	200	7,9	1.080,03	1
F	WSBR 150.300 F	150	5,9	300	11,8	1.191,04	1
F	WSBR 150.400 F	150	5,9	400	15,7	1.302,07	1
F	WSBR 150.450 F	150	5,9	450	17,7	1.357,58	1
F	WSBR 150.500 F	150	5,9	500	19,7	1.413,09	1
F	WSBR 150.600 F	150	5,9	600	23,6	1.524,11	1
F	WSBR 150.900 F	150	5,9	900	35,4	2.335,72	1
E3	WSBR 150.200 E3	150	5,9	200	7,9	960,40	1
E3	WSBR 150.300 E3	150	5,9	300	11,8	1.053,40	1
E3	WSBR 150.400 E3	150	5,9	400	15,7	1.175,90	1
E3	WSBR 150.500 E3	150	5,9	500	19,7	1.272,50	1
E3	WSBR 150.600 E3	150	5,9	600	23,6	1.372,80	1

WSV 150.500 splice plates have to be ordered separately.

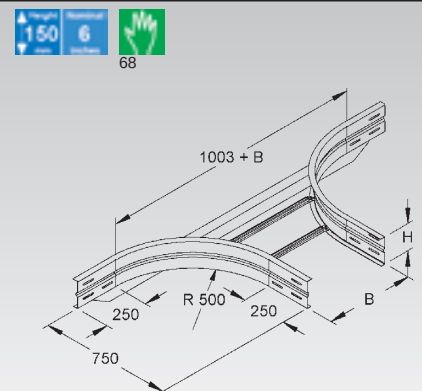


Extension Horizontal Tee

with integrated splices

	model no.	inside height H		inside dimension (B)		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSTAR 150.200	151,5	6	205	8,1	1.024,80	1
S	WSTAR 150.300	151,5	6	305	12	1.061,60	1
S	WSTAR 150.400	151,5	6	405	15,9	1.098,40	1
S	WSTAR 150.450	151,5	6	455	17,9	1.118,40	1
S	WSTAR 150.500	151,5	6	505	19,9	1.138,30	1
S	WSTAR 150.600	151,5	6	605	23,8	1.170,20	1
S	WSTAR 150.900	151,5	6	905	35,6	1.280,20	1
F	WSTAR 150.200 F	151,5	6	205	8,1	1.124,90	1
F	WSTAR 150.300 F	151,5	6	305	12	1.165,40	1
F	WSTAR 150.400 F	151,5	6	405	15,9	1.205,80	1
F	WSTAR 150.450 F	151,5	6	455	17,9	1.230,24	1
F	WSTAR 150.500 F	151,5	6	505	19,9	1.249,70	1
F	WSTAR 150.600 F	151,5	6	605	23,8	1.284,80	1
F	WSTAR 150.900 F	151,5	6	905	35,6	1.408,20	1

for field manufacturing of horizontal tees and crosses

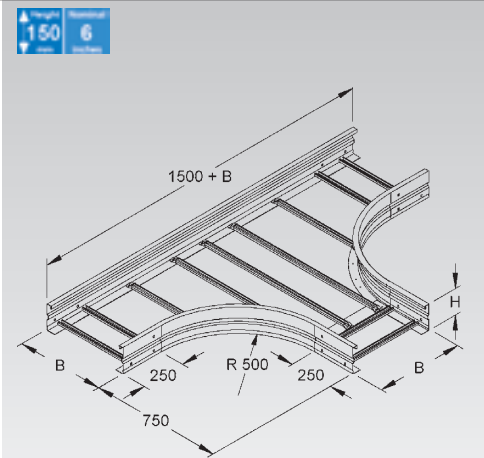


Horizontal Tee

with solid siderails but prepunched holes for splice plates

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	WSTR 150.200	150	5,9	200	7,9	1.548,78	1
S	WSTR 150.300	150	5,9	300	11,8	1.654,92	1
S	WSTR 150.400	150	5,9	400	15,7	1.818,67	1
S	WSTR 150.450	150	5,9	450	17,7	1.879,10	1
S	WSTR 150.500	150	5,9	500	19,7	2.014,90	1
S	WSTR 150.600	150	5,9	600	23,6	2.143,30	1
S	WSTR 150.900	150	5,9	900	35,4	2.528,51	1
F	WSTR 150.200 F	150	5,9	200	7,9	1.703,66	1
F	WSTR 150.300 F	150	5,9	300	11,8	1.820,41	1
F	WSTR 150.400 F	150	5,9	400	15,7	2.000,54	1
F	WSTR 150.450 F	150	5,9	450	17,7	2.108,46	1
F	WSTR 150.500 F	150	5,9	500	19,7	2.216,39	1
F	WSTR 150.600 F	150	5,9	600	23,6	2.357,63	1
F	WSTR 150.900 F	150	5,9	900	35,4	2.781,40	1
E3	WSTR 150.200 E3	150	5,9	200	7,9	1.534,80	1
E3	WSTR 150.300 E3	150	5,9	300	11,8	1.644,00	1
E3	WSTR 150.400 E3	150	5,9	400	15,7	1.807,60	1
E3	WSTR 150.500 E3	150	5,9	500	19,7	2.003,50	1
E3	WSTR 150.600 E3	150	5,9	600	23,6	2.131,80	1

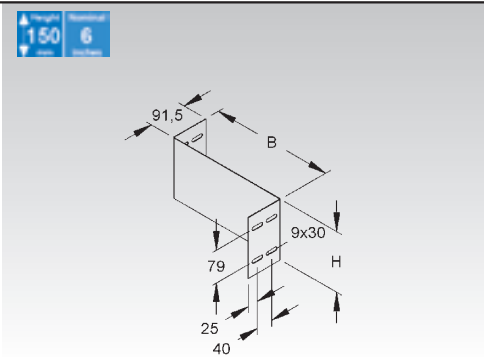
WSV 150.500 splice plates have to be ordered separately.



Reducer

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
★ S	WSRS 150.100 S	150	5,9	100	3,9	53,61	1
★ S	WSRS 150.150 S	150	5,9	150	5,9	62,20	1
★ S	WSRS 150.200 S	150	5,9	200	7,9	70,80	1
★ S	WSRS 150.300 S	150	5,9	300	11,8	87,99	1

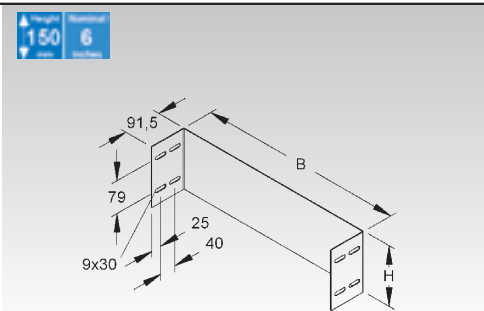
can be used as a reducer for longspan cable trays and ladders



Endplate

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
★ S	WSAS 150.200 S	150	5,9	200	7,9	70	1
★ S	WSAS 150.300 S	150	5,9	300	11,8	90	1
★ S	WSAS 150.400 S	150	5,9	400	15,7	100	1
★ S	WSAS 150.450 S	150	5,9	450	17,7	108	1
★ S	WSAS 150.500 S	150	5,9	500	19,7	117	1
★ S	WSAS 150.600 S	150	5,9	600	23,6	123	1
★ S	WSAS 150.900 S	150	5,9	900	35,4	192	1

can be used as blind end or as reducer for longspan cable trays and ladders



LONG SPAN CABLE LADDER

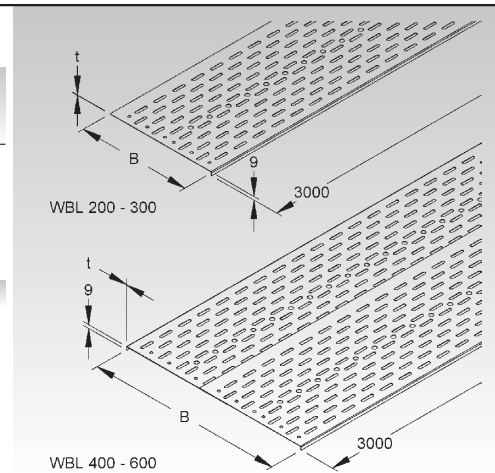
Bottom Plate

ventilated

model no.	width B	thick- ness t	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S WBL 200	185 7,3	0,9	118,33	3 m
S WBL 300	285 11,2	0,9	177,31	3 m
S WBL 400	390 15,4	0,9	295,64	1,5 m
S WBL 500	490 19,3	0,9	354,62	1,5 m
S WBL 600	590 23,2	0,9	413,61	1,5 m

bottom plate for long span cable ladders

WBL 400-600 are sets of 2 bottom plates of 200 and/or 300 mm width.



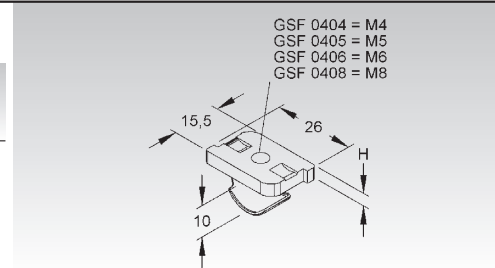
Sloped Sliding Nut

with clamping spring (phosphated)

model no.	thread M	height H	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		
G GSF 0406	6	4 0,2	1,04	25

Suitable for: 2970 framing channel (16 mm slotwidth)

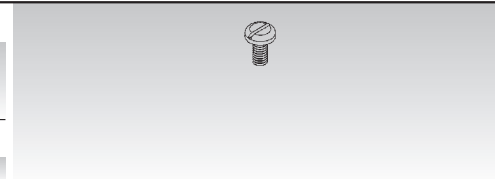
Insertable at any position of the framing channel.



Slotted Pan Head Bolt

model no.	thread M	Weight per 100 pcs kg	Pack / Box Qty
V FK 6X12	6	1,89	25

for GSF 0406

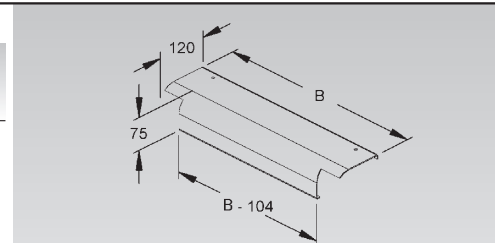


Ladder Drop Out

model no.	width B	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch		
S WLAB 200	190 7,5	36,81	1
S WLAB 300	290 11,4	59,54	1
S WLAB 400	390 15,4	82,27	1
S WLAB 500	490 19,3	137,75	1
S WLAB 600	590 23,2	167,73	1
F WLAB 200 F	190 7,5	40,37	1
F WLAB 300 F	290 11,4	65,37	1
F WLAB 400 F	390 15,4	90,37	1
F WLAB 500 F	490 19,3	151,40	1
F WLAB 600 F	590 23,2	184,38	1
E3 WLAB 200 E3	190 7,5	60,00	1
E3 WLAB 300 E3	290 11,4	90,00	1
E3 WLAB 400 E3	390 15,4	120,00	1
E3 WLAB 500 E3	490 19,3	150,00	1
E3 WLAB 600 E3	590 23,2	180,00	1

with rounded edges to protect cables at the drop out

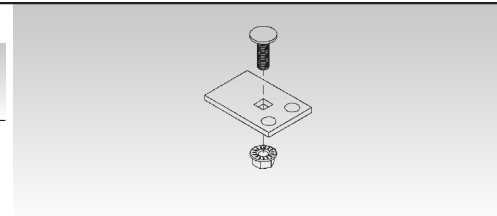
Suitable for: WSL... long span cable ladders (slot width of rungs 16 mm)



Mounting Clamp for Long Span Ladders

	model no.	Weight per 100 pcs kg	Pack / Box Qty
F	WSTB 2	12,19	50
E3	WSTB 2 E3	11,96	50

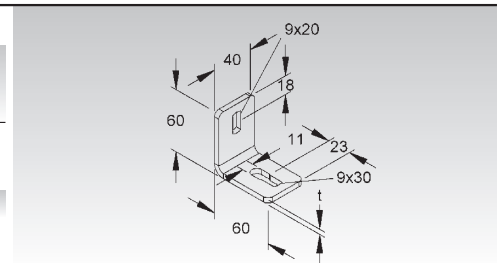
Suitable for: KTAS, KTASS, KTTS and KTSS brackets



Two Hole Corner Angle

	model no.	thick- ness t mm	Weight per 100 pcs kg	Pack / Box Qty
F	WWU 150/8	5	19,11	50
E3	WWU 150/8 E3	4	14,87	50

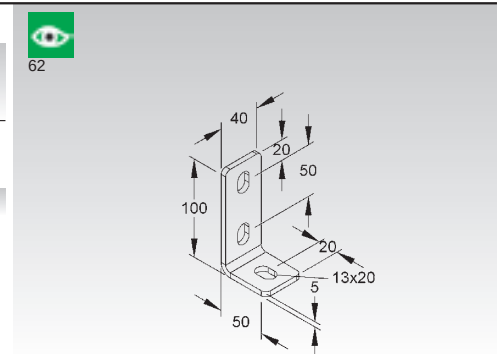
for floor-, ceiling- or wall-mount



Three Hole Corner Angle

	model no.	thick- ness t mm	Weight per 100 pcs kg	Pack / Box Qty
F	WWA 100	5	23,54	50
E3	WWA 100 E3	4	19,80	50

for floor-, ceiling- or wall-mount



LONG SPAN CABLE LADDER ACCESSORIES

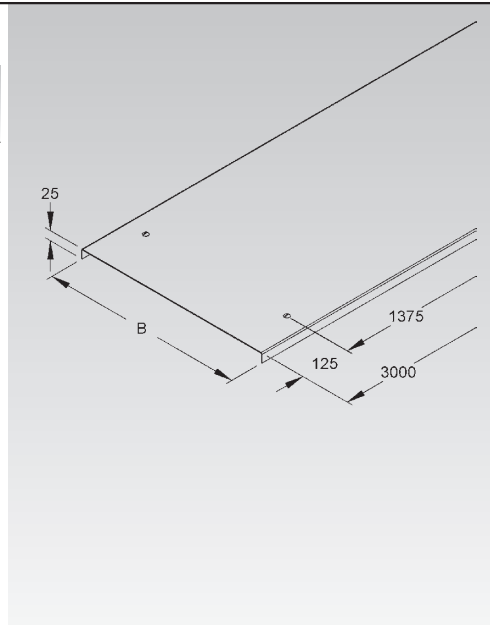
Cover for Long Span Cable Trays / Ladders

with turnbolt locks

	model no.	width B	Weight per 100 m kg	Pack / Box Qty
		mm Inch		
S	WDV 200	204 8	151,26	2 x 3 m
S	WDV 300	304 12	251,52	2 x 3 m
S	WDV 400	404 15,9	357,60	2 x 3 m
S	WDV 450	454 17,9	396,85	2 x 3 m
S	WDV 500	504 19,8	436,10	2 x 3 m
S	WDV 600	604 23,8	514,60	2 x 3 m
S	WDV 900	904 35,6	1.122,22	2 x 3 m
F	WDV 200 F	204 8	166,39	2 x 3 m
F	WDV 300 F	304 12	276,67	2 x 3 m
F	WDV 400 F	404 15,9	393,36	2 x 3 m
F	WDV 450 F	454 17,9	435,60	2 x 3 m
F	WDV 500 F	504 19,8	479,71	2 x 3 m
F	WDV 600 F	604 23,8	566,06	2 x 3 m
F	WDV 900 F	904 35,6	1.208,52	2 x 3 m
E3	WDV 200 E3	204 8	162,89	2 x 3 m
E3	WDV 300 E3	304 12	253,86	2 x 3 m
E3	WDV 400 E3	404 15,9	360,62	2 x 3 m
E3	WDV 500 E3	504 19,8	439,62	2 x 3 m
E3	WDV 600 E3	604 23,8	518,62	2 x 3 m

Suitable for: WRL... and WRU... longspan cable trays as well as WSL... and WSLM... longspan cable ladders

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



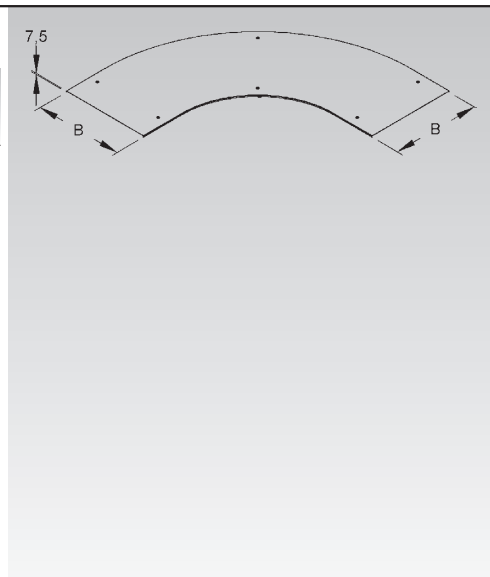
Cover for 90° Horizontal Elbow

with turnbolt locks

	model no.	inside dimension (B)	Weight per 100 pcs kg	Pack / Box Qty
		mm Inch		
S	WBRDV 200	204 8	255,24	1
S	WBRDV 300	304 12	388,06	1
S	WBRDV 400	404 15,9	533,21	1
S	WBRDV 450	454 17,9	612,00	1
S	WBRDV 500	504 19,8	690,70	1
S	WBRDV 600	604 23,8	860,51	1
F	WBRDV 200 F	204 8	279,60	1
F	WBRDV 300 F	304 12	425,80	1
F	WBRDV 400 F	404 15,9	585,40	1
F	WBRDV 450 F	454 17,9	672,10	1
F	WBRDV 500 F	504 19,8	758,70	1
F	WBRDV 600 F	604 23,8	945,50	1
E3	WBRDV 200 E3	204 8	254,60	1
E3	WBRDV 300 E3	304 12	386,40	1
E3	WBRDV 400 E3	404 15,9	531,50	1
E3	WBRDV 500 E3	504 19,8	688,90	1
E3	WBRDV 600 E3	604 23,8	858,70	1

Suitable for: WRBR... and WSRB... horizontal 90° longspan elbows

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



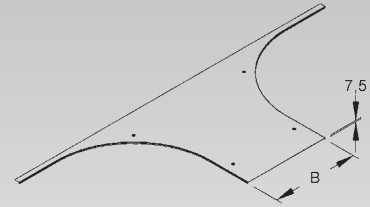
Cover for Horizontal Extension Tee

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	WTARDV 200	204 8	266,1	1
S	WTARDV 300	304 12	327,3	1
S	WTARDV 400	404 15,9	388,4	1
S	WTARDV 450	454 17,9	419,0	1
S	WTARDV 500	504 19,8	449,6	1
S	WTARDV 600	604 23,8	510,7	1
F	WTARDV 200 F	204 8	292,5	1
F	WTARDV 300 F	304 12	359,7	1
F	WTARDV 400 F	404 15,9	427,0	1
F	WTARDV 450 F	454 17,9	460,6	1
F	WTARDV 500 F	504 19,8	494,2	1
F	WTARDV 600 F	604 23,8	561,5	1
E3	WTARDV 200 E3	204 8	269,3	1
E3	WTARDV 300 E3	304 12	330,8	1
E3	WTARDV 400 E3	404 15,9	392,4	1
E3	WTARDV 500 E3	504 19,8	453,9	1
E3	WTARDV 600 E3	604 23,8	515,4	1

Suitable for: WRTAR... and WSTAR... longspan extension tee fittings

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



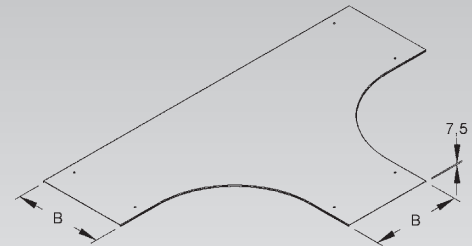
Cover for Horizontal Tee

with turnbolt locks

	model no.	inside dimension (B) mm Inch	Weight per 100 pcs kg	Pack / Box Qty
S	WTRDV 200	204 8	509,90	1
S	WTRDV 300	304 12	725,20	1
S	WTRDV 400	404 15,9	957,60	1
S	WTRDV 450	454 17,9	1.081,70	1
S	WTRDV 500	504 19,8	1.205,80	1
S	WTRDV 600	604 23,8	1.469,60	1
F	WTRDV 200 F	204 8	556,80	1
F	WTRDV 300 F	304 12	795,10	1
F	WTRDV 400 F	404 15,9	1.050,60	1
F	WTRDV 450 F	454 17,9	1.186,95	1
F	WTRDV 500 F	504 19,8	1.323,30	1
F	WTRDV 600 F	604 23,8	1.613,40	1
E3	WTRDV 200 E3	204 8	509,90	1
E3	WTRDV 300 E3	304 12	725,20	1
E3	WTRDV 400 E3	404 15,9	957,60	1
E3	WTRDV 500 E3	504 19,8	1.205,80	1
E3	WTRDV 600 E3	604 23,8	1.469,60	1

Suitable for: WRTR... and WSTR... longspan tee fittings

For outdoor service covers need to be secured against windloads using heavy duty cover clamps or steel cable ties.



Turn-bolt Lock

	model no.	Weight per 100 pcs kg	Pack / Box Qty
S	WDRS 20	2,25	50
F	WDRS 20 F	2,64	50
E3	WDRS 20 E3	2,53	50

for field installation

Suitable for: longspan cable ladder and fitting covers

Turnbolt locks need to be installed at a minimum distance of 50 mm (2") from each end of the cover. Please allow a minimum distance of 50 mm / 2" for the turn bolt locks from both ends of the cover.



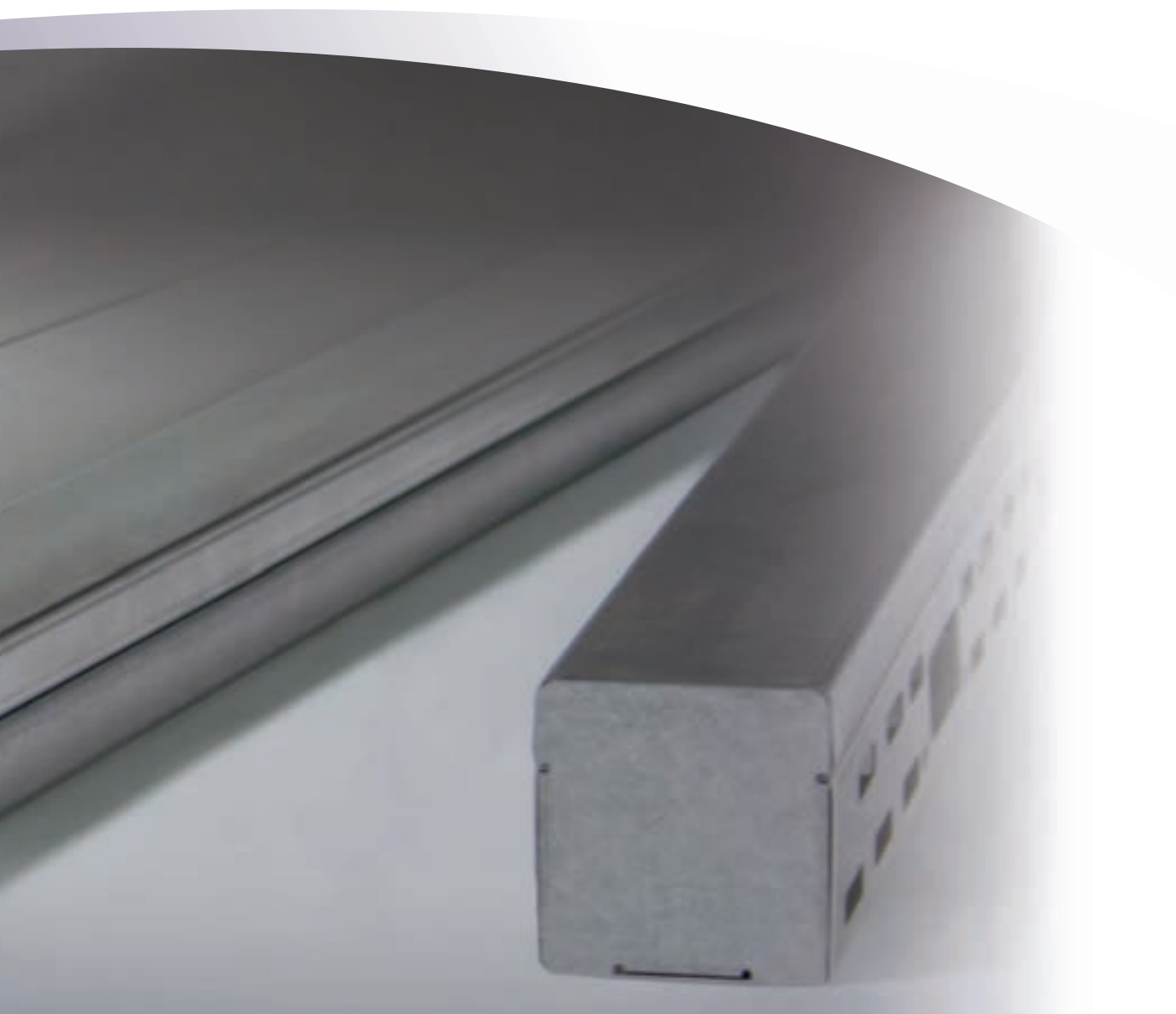


Surface Metal Raceway

 Surface Metal Raceways

 Accessoires

 Fittings



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.

SURFACE METAL RACEWAY

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, with a minimum thickness of 0.02" (0.5 mm) for voltages less than 300 volts and of 0.04" (1.02 mm) for voltages of 300 volts and more.

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**

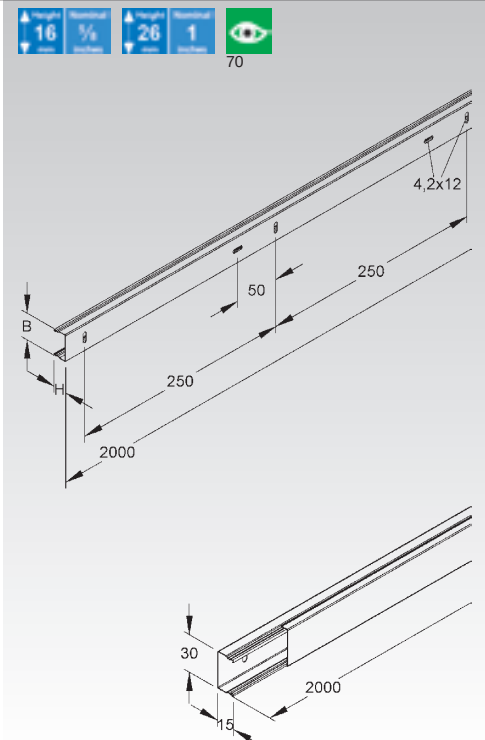
Mini Metal Raceway

cover included

	model no.	height H		width B		RAL colour	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LLK 16.016	16	0,6	16	0,6	—	30,00	48 x 2 m
S	LLK 16.030	16	0,6	30	1,2	—	42,50	30 x 2 m
S	LLK 26.030	26	1	30	1,2	—	52,50	18 x 2 m
E3	LLK 16.016 E3	16	0,6	16	0,6	—	15,00	48 x 2 m
E3	LLK 16.030 E3	16	0,6	30	1,2	—	18,00	30 x 2 m
E3	LLK 26.030 E3	26	1	30	1,2	—	50,48	18 x 2 m

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.

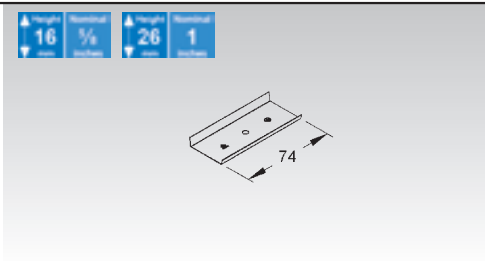


Splice Plate

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
MS	LST 16.016	74	2,9	5,0	20
MS	LST 16.030	74	2,9	1,0	20
MS	LST 26.030	74	2,9	1,2	20

mechanical splice and electrical connector for raceways

1 piece required per joint



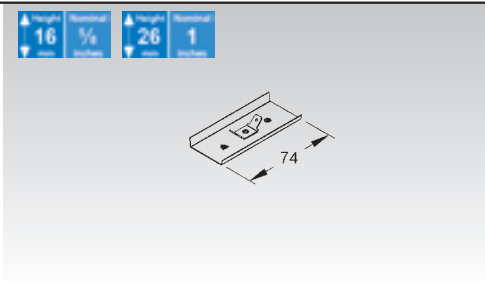
Splice Plate

with flat contact pin (6,3 mm) for protective grounding

	model no.	width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
MS	LSTA 16.016	74	2,9	0,6	10
MS	LSTA 16.030	74	2,9	1,1	10
MS	LSTA 26.030	74	2,9	1,3	10

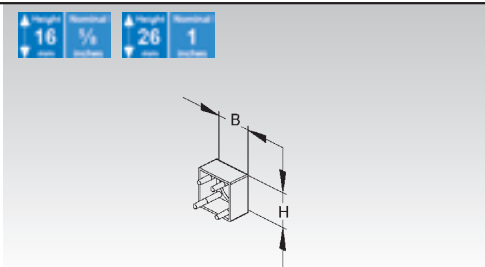
mechanical splice and electrical connector for raceways

1 piece required per joint



End-Cap

	model no.	height H		width B		color	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
K04	LED 16.016	16	0,6	16	0,6	black	0,10	20
K04	LED 16.030	16	0,6	30	1,2	black	0,18	20
K04	LED 26.030	26	1	30	1,2	black	0,23	20



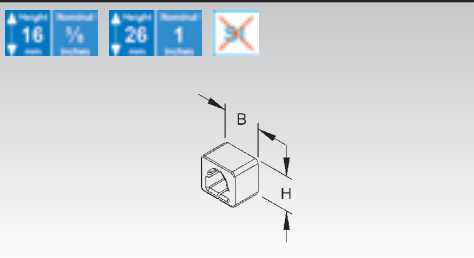
SURFACE METAL RACEWAY

End-Protection Ring

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
K04	LER 16.016	16	0,6	16	0,6	blackgrey	0,15	20
K04	LER 16.030	16	0,6	30	1,2	blackgrey	0,21	20
K04	LER 26.030	26	1	30	1,2	blackgrey	0,27	20

contains no silicone

LER end caps can be attached to the raceway after installation.



Surface Metal Raceway

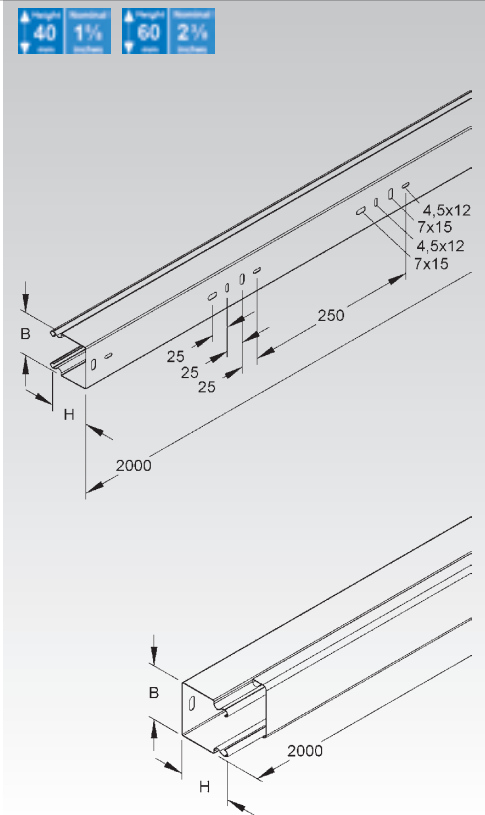
with perforated bottom, cover included

model no.	height H	width B	RAL colour	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch			
S LLK 40.040	40 1,6	40 1,6	—	94,16	12 x 2 m
S LLK 40.060	40 1,6	60 2,4	—	147,00	6 x 2 m
S LLK 60.060	60 2,4	60 2,4	—	171,00	6 x 2 m
E3 LLK 40.040 E3	40 1,6	40 1,6	—	94,76	12 x 2 m
E3 LLK 40.060 E3	40 1,6	60 2,4	—	147,00	6 x 2 m
E3 LLK 60.060 E3	60 2,4	60 2,4	—	184,26	6 x 2 m

Hole pattern may vary based on width of tray.

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



Surface Metal Raceway

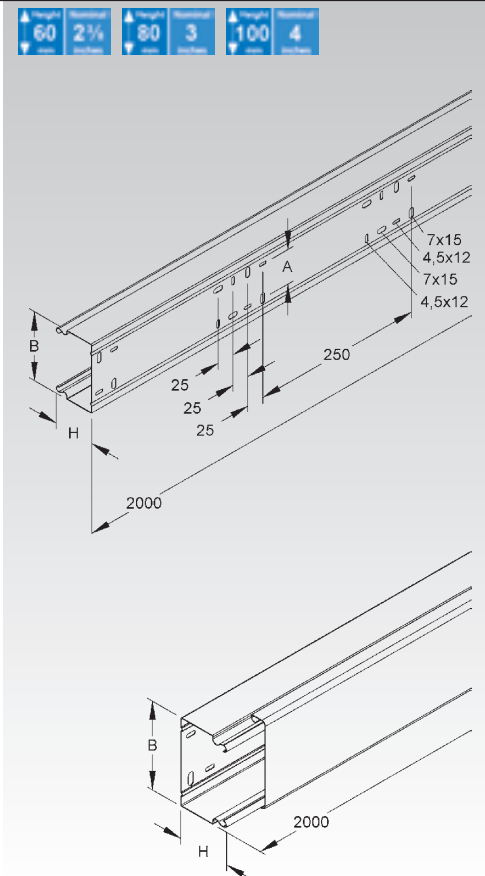
with perforated bottom, cover included

model no.	height H	width B	distance between drilling holes A	RAL colour	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm Inch	mm			
S LLK 60.100	60 2,4	100 3,9	50	—	235,73	4 x 2 m
S LLK 60.150	60 2,4	150 5,9	100	—	332,00	2 x 2 m
S LLK 60.200	60 2,4	200 7,9	150	—	403,00	2 x 2 m
S LLK 80.080	80 3,1	80 3,1	30	—	233,70	4 x 2 m
S LLK 100.100	100 3,9	100 3,9	50	—	318,00	4 x 2 m
E3 LLK 60.100 E3	60 2,4	100 3,9	50	—	249,63	4 x 2 m
E3 LLK 60.200 E3	60 2,4	200 7,9	150	—	403,00	2 x 2 m
E3 LLK 80.080 E3	79 3,1	80 3,1	30	—	249,90	4 x 2 m
E3 LLK 100.100 E3	100 3,9	100 3,9	50	—	318,00	4 x 2 m

Hole pattern may vary based on width of tray.

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



SURFACE METAL RACEWAY

Surface Metal Raceway

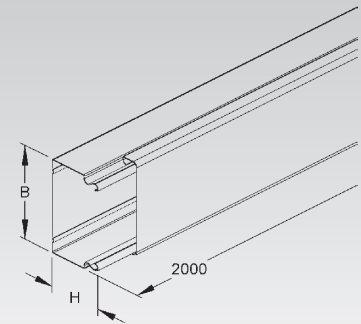
solid bottom, including cover

	model no.	height H		width B		RAL colour	Weight per 100 m kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUK 40.040	40	1,6	40	1,6	—	80	12 x 2 m
S	LUK 40.060	40	1,6	60	2,4	—	147	6 x 2 m
S	LUK 60.060	60	2,4	60	2,4	—	171	6 x 2 m
S	LUK 60.100	60	2,4	100	3,9	—	218	4 x 2 m
S	LUK 60.150	60	2,4	150	5,9	—	332	2 x 2 m
S	LUK 60.200	60	2,4	200	7,9	—	403	2 x 2 m
S	LUK 80.080	79	3,1	80	3,1	—	262	4 x 2 m
S	LUK 100.100	100	3,9	100	3,9	—	321	4 x 2 m
E3	LUK 40.040 E3	40	1,6	40	1,6	—	80	12 x 2 m
E3	LUK 40.060 E3	40	1,6	60	2,4	—	147	6 x 2 m
E3	LUK 60.060 E3	60	2,4	60	2,4	—	171	6 x 2 m
E3	LUK 60.100 E3	60	2,4	100	3,9	—	218	4 x 2 m
E3	LUK 60.200 E3	60	2,4	200	7,9	—	403	2 x 2 m
E3	LUK 80.080 E3	79	3,1	80	3,1	—	262	4 x 2 m

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.

Height 40	Standard 1%	Height 60	Standard 2%	Height 80	Standard 3	Height 100	Standard 4
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Splice Plate

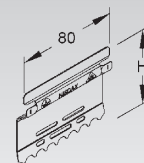
with flat contact pin (6,3 mm) for protective grounding

	model no.	height H		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch		
S	LST 40	40	1,6	1,77	20
S	LST 60	60	2,4	2,71	20
S	LST 80	80	3,1	3,70	20
S	LST 100	100	3,9	4,63	20
E3	LST 40 E3	40	1,6	1,88	20
E3	LST 60 E3	60	2,4	2,88	20
E3	LST 80 E3	80	3,1	3,85	20
E3	LST 100 E3	100	3,9	4,90	20

mechanical splice and electrical connector for raceways

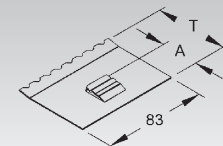
2 pieces required per joint

Height 40	Standard 1%	Height 60	Standard 2%	Height 80	Standard 3	Height 100	Standard 4
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Mounting Plate for Barrier Strip

	model no.	depth T	dist. A		Weight per 100 pcs kg	Pack / Box Qty
		mm	mm	Inch		
S	TPH 60	59	30	1,2	3,44	20
S	TPH 80	78	37	1,5	3,00	20
E3	TPH 60 E3	59	30	1,2	3,08	20
E3	TPH 80 E3	78	37	1,5	4,50	20



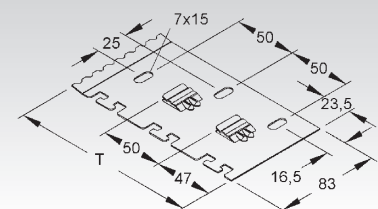
Mounting Plate for Barrier Strip

with strain relief

	model no.	depth T	Weight per 100 pcs kg	Pack / Box Qty
		mm		
S	LZTP 100	99	5,48	20
S	LZTP 150	149	8,29	20
S	LZTP 200	199	11,10	20
E3	LZTP 100 E3	99	6,13	20
E3	LZTP 200 E3	199	12,41	20



70

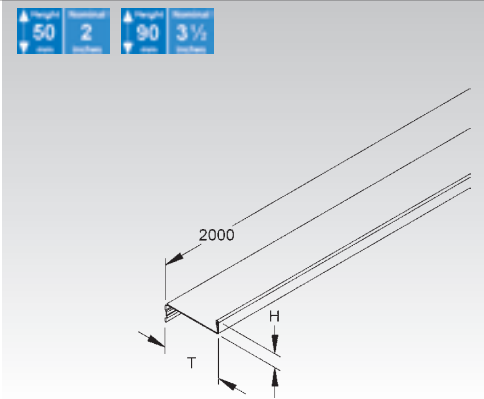


Barrier Strip

model no.	height H	depth T	Weight per 100 m kg	Pack / Box Qty
	mm Inch	mm		
S TPS 30	11 0,4	30	50,00	10 x 2 m
S TPS 50	11 0,4	50	48,31	10 x 2 m
S TPS 70	11 0,4	70	80,00	10 x 2 m
S TPS 90	11 0,4	90	71,72	10 x 2 m
E3 TPS 50 E3	11 0,4	50	51,73	10 x 2 m
E3 TPS 90 E3	11 0,4	90	76,86	10 x 2 m

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

Suitable for: Surface Metal Raceways



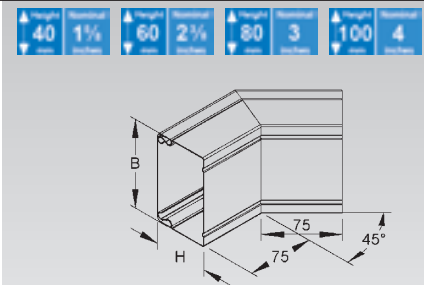
Outside Elbow 45°

cover included

model no.	height H	width B	RAL colour	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
S LUAB 40.040	40 1,6	40 1,6	—	17,92	8
S LUAB 40.060	40 1,6	60 2,4	—	25,26	8
S LUAB 60.060	60 2,4	60 2,4	—	35,12	8
S LUAB 60.100	60 2,4	100 3,9	—	47,03	8
S LUAB 60.150	60 2,4	150 5,9	—	69,80	4
S LUAB 60.200	60 2,4	200 7,9	—	84,55	4
S LUAB 80.080	80 3,1	80 3,1	—	48,59	4
S LUAB 100.100	100 3,9	100 3,9	—	66,21	4
E3 LUAB 40.040 E3	40 1,6	40 1,6	—	19,00	1
E3 LUAB 40.060 E3	40 1,6	60 2,4	—	39,00	1
E3 LUAB 60.060 E3	60 2,4	60 2,4	—	42,00	1
E3 LUAB 60.100 E3	60 2,4	100 3,9	—	50,15	1
E3 LUAB 60.200 E3	60 2,4	200 7,9	—	72,00	1
E3 LUAB 80.080 E3	80 3,1	80 3,1	—	46,00	1
E3 LUAB 100.100 E3	100 3,9	100 3,9	—	57,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



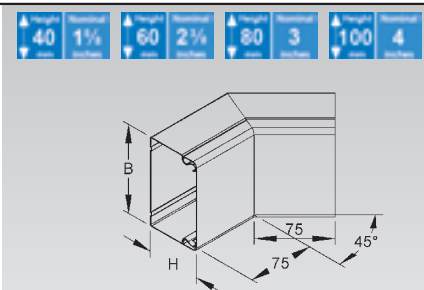
Inside Elbow 45°

cover included

model no.	height H	width B	RAL colour	Weight per 100 pcs kg	Pack / Box Qty
	mm Inch	mm Inch			
S LUIB 40.040	40 1,6	40 1,6	—	16,60	8
S LUIB 40.060	40 1,6	60 2,4	—	23,37	8
S LUIB 60.060	60 2,4	60 2,4	—	36,00	8
S LUIB 60.100	60 2,4	100 3,9	—	43,29	8
S LUIB 60.150	60 2,4	150 5,9	—	65,67	4
S LUIB 60.200	60 2,4	200 7,9	—	79,24	4
S LUIB 80.080	80 3,1	80 3,1	—	46,00	8
S LUIB 100.100	100 3,9	100 3,9	—	65,78	4
E3 LUIB 40.040 E3	40 1,6	40 1,6	—	14,00	1
E3 LUIB 40.060 E3	40 1,6	60 2,4	—	34,00	1
E3 LUIB 60.060 E3	60 2,4	60 2,4	—	36,00	1
E3 LUIB 60.100 E3	60 2,4	100 3,9	—	46,10	1
E3 LUIB 60.200 E3	60 2,4	200 7,9	—	71,00	1
E3 LUIB 80.080 E3	80 3,1	80 3,1	—	45,00	1
E3 LUIB 100.100 E3	100 3,9	100 3,9	—	56,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



SURFACE METAL RACEWAY

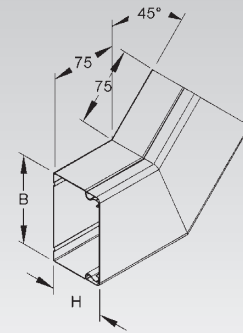
Elbow 45°

cover included

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUWB 40.040	40	1,6	40	1,6	—	16,82	8
S	LUWB 40.060	40	1,6	60	2,4	—	25,27	8
S	LUWB 60.060	60	2,4	60	2,4	—	34,09	8
S	LUWB 60.100	60	2,4	100	3,9	—	49,96	8
S	LUWB 60.150	60	2,4	150	5,9	—	81,92	4
S	LUWB 60.200	60	2,4	200	7,9	—	107,45	4
S	LUWB 80.080	80	3,1	80	3,1	—	47,97	8
S	LUWB 100.100	100	3,9	100	3,9	—	67,91	4
E3	LUWB 40.040 E3	40	1,6	40	1,6	—	14,00	1
E3	LUWB 40.060 E3	40	1,6	60	2,4	—	36,00	1
E3	LUWB 60.060 E3	60	2,4	60	2,4	—	38,00	1
E3	LUWB 60.100 E3	60	2,4	100	3,9	—	52,22	1
E3	LUWB 60.200 E3	60	2,4	200	7,9	—	85,00	1
E3	LUWB 80.080 E3	80	3,1	80	3,1	—	45,00	1
E3	LUWB 100.100 E3	100	3,9	100	3,9	—	56,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3%	Height 100 mm	Standard 4%
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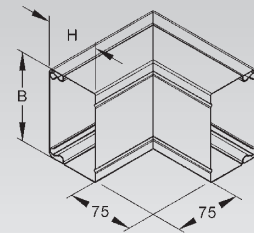
Outside Elbow 90°

cover included

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUAC 40.040	40	1,6	40	1,6	—	22,34	8
S	LUAC 40.060	40	1,6	60	2,4	—	31,16	8
S	LUAC 60.060	60	2,4	60	2,4	—	43,50	8
S	LUAC 60.100	60	2,4	100	3,9	—	59,95	8
S	LUAC 60.150	60	2,4	150	5,9	—	87,95	4
S	LUAC 60.200	60	2,4	200	7,9	—	107,10	4
S	LUAC 80.080	80	3,1	80	3,1	—	62,11	8
S	LUAC 100.100	100	3,9	100	3,9	—	97,38	4
E3	LUAC 40.040 E3	40	1,6	40	1,6	—	16,00	1
E3	LUAC 40.060 E3	40	1,6	60	2,4	—	50,00	1
E3	LUAC 60.060 E3	60	2,4	60	2,4	—	53,00	1
E3	LUAC 60.100 E3	60	2,4	100	3,9	—	60,00	1
E3	LUAC 60.200 E3	60	2,4	200	7,9	—	90,00	1
E3	LUAC 80.080 E3	80	3,1	80	3,1	—	65,00	1
E3	LUAC 100.100 E3	100	3,9	100	3,9	—	98,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3%	Height 100 mm	Standard 4%
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Outside Wide Radius Elbow (2 x 45°)

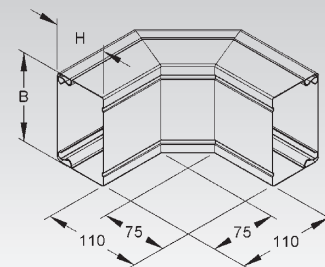
cover included

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	LUAD 60.060	60	2,4	60	2,4	63	1
S	LUAD 60.100	60	2,4	100	3,9	72	1
S	LUAD 60.200	60	2,4	200	7,9	108	1
E3	LUAD 60.060 E3	60	2,4	60	2,4	63	1
E3	LUAD 60.100 E3	60	2,4	100	3,9	72	1
E3	LUAD 60.200 E3	60	2,4	200	7,9	108	1
E3	LUAD 100.100 E3	100	3,9	100	3,9	145	1

Suitable for: Surface Metal Raceway System

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 60 mm	Standard 2%	Height 110 mm	Standard 4%
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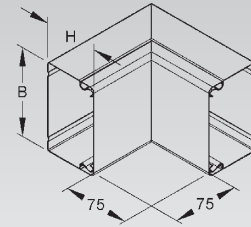
Inside Elbow 90°

cover included

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUIC 40.040	40	1,6	40	1,6	—	19,32	8
S	LUIC 40.060	40	1,6	60	2,4	—	26,45	8
S	LUIC 60.060	60	2,4	60	2,4	—	37,74	8
S	LUIC 60.100	60	2,4	100	3,9	—	53,96	8
S	LUIC 60.150	60	2,4	150	5,9	—	80,33	4
S	LUIC 60.200	60	2,4	200	7,9	—	97,36	4
S	LUIC 80.080	80	3,1	80	3,1	—	56,15	8
S	LUIC 100.100	100	3,9	100	3,9	—	89,42	4
E3	LUIC 40.040 E3	40	1,6	40	1,6	—	19,00	1
E3	LUIC 40.060 E3	40	1,6	60	2,4	—	43,00	1
E3	LUIC 60.060 E3	60	2,4	60	2,4	—	45,00	1
E3	LUIC 60.100 E3	60	2,4	100	3,9	—	58,00	1
E3	LUIC 60.200 E3	60	2,4	200	7,9	—	89,00	1
E3	LUIC 80.080 E3	80	3,1	80	3,1	—	58,00	1
E3	LUIC 100.100 E3	100	3,9	100	3,9	—	74,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3	Height 100 mm	Standard 4
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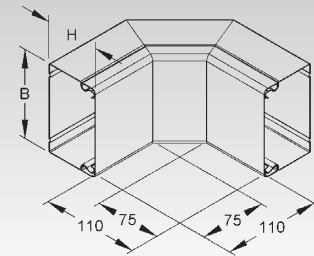
Wide Radius Elbow (2 x 45°)

cover included

	model no.	height H		width B		Weight per 100 pcs/ kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	LUID 60.060	60	2,4	60	2,4	53,66	
S	LUID 60.100	60	2,4	100	3,9	64,28	1
S	LUID 60.200	60	2,4	200	7,9	107,00	1
E3	LUID 60.060 E3	60	2,4	60	2,4	54,00	1
E3	LUID 60.100 E3	60	2,4	100	3,9	68,55	1
E3	LUID 60.200 E3	60	2,4	200	7,9	107,00	1
E3	LUID 100.100 E3	100	3,9	100	3,9	105,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 60 mm	Standard 2%	Height 100 mm	Standard 4
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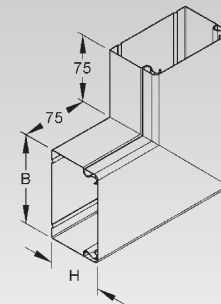
Elbow 90°

cover included

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUWC 40.040	40	1,6	40	1,6	—	19,24	8
S	LUWC 40.060	40	1,6	60	2,4	—	30,15	8
S	LUWC 60.060	60	2,4	60	2,4	—	39,91	8
S	LUWC 60.100	60	2,4	100	3,9	—	64,25	8
S	LUWC 60.150	60	2,4	150	5,9	—	112,68	4
S	LUWC 60.200	60	2,4	200	7,9	—	156,83	4
S	LUWC 80.080	80	3,1	80	3,1	—	60,48	8
S	LUWC 100.100	100	3,9	100	3,9	—	88,03	4
E3	LUWC 40.040 E3	40	1,6	40	1,6	—	16,00	1
E3	LUWC 40.060 E3	40	1,6	60	2,4	—	45,00	1
E3	LUWC 60.060 E3	60	2,4	60	2,4	—	47,00	1
E3	LUWC 60.100 E3	60	2,4	100	3,9	—	61,00	1
E3	LUWC 60.200 E3	60	2,4	200	7,9	—	107,00	1
E3	LUWC 80.080 E3	80	3,1	80	3,1	—	62,50	1
E3	LUWC 100.100 E3	100	3,9	100	3,9	—	83,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.
Splice plates have to be ordered separately.

Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3	Height 100 mm	Standard 4
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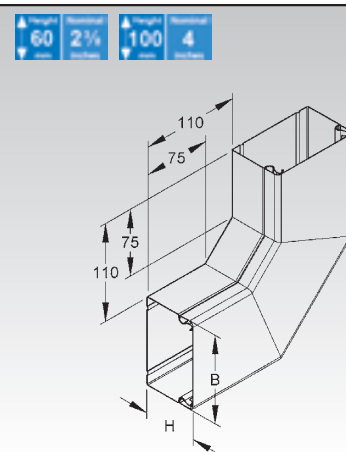
SURFACE METAL RACEWAY

Wide Radius Elbow (2x 45°)

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
S	LUWD 60.060	60	2,4	60	2,4	51,50	1
S	LUWD 60.100	60	2,4	100	3,9	76,29	1
S	LUWD 60.200	60	2,4	200	7,9	128,00	1
E3	LUWD 60.060 E3	60	2,4	60	2,4	57,00	1
E3	LUWD 60.100 E3	60	2,4	100	3,9	74,00	1
E3	LUWD 60.200 E3	60	2,4	200	7,9	128,00	1
E3	LUWD 100.100 E3	100	3,9	100	3,9	98,00	1

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



Wide Radius Tee

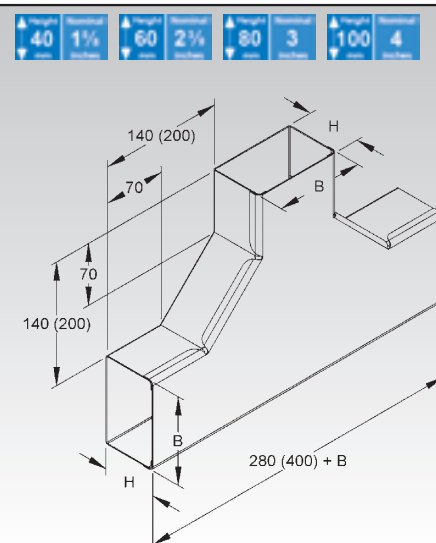
cover included

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LUTC 40.060	40	1,6	60	2,4	—	89,00	2
S	LUTC 60.060	60	2,4	60	2,4	—	60,00	2
S	LUTC 60.100	60	2,4	100	3,9	—	144,09	2
S	LUTC 60.150	60	2,4	150	5,9	—	199,65	1
S	LUTC 60.200	60	2,4	200	7,9	—	130,00	1
S	LUTC 80.080	80	3,1	80	3,1	—	90,00	1
S	LUTC 100.100	100	3,9	100	3,9	—	120,00	1
E3	LUTC 40.060 E3	40	1,6	60	2,4	—	90,00	1
E3	LUTC 60.060 E3	60	2,4	60	2,4	—	60,00	1
E3	LUTC 60.100 E3	60	2,4	100	3,9	—	80,00	1
E3	LUTC 80.080 E3	80	3,1	80	3,1	—	80,00	1
E3	LUTC 100.100 E3	100	3,9	100	3,9	—	110,00	1

Size of run and tap tray must be identical.

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.



Horizontal Tee

cover included

	model no.	height H		width B		width of exit A	RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch				
S	LUT 40.040.040	40	1,6	40	1,6	40	—	27,00	2
S	LUT 40.060.040	40	1,6	60	2,4	40	—	46,70	2
S	LUT 60.060.060	60	2,4	60	2,4	60	—	61,50	2
S	LUT 60.100.060	60	2,4	100	3,9	60	—	52,00	2
S	LUT 60.100.100	60	2,4	100	3,9	100	—	52,00	2
S	LUT 60.150.060	60	2,4	150	5,9	60	—	74,00	2
S	LUT 60.150.100	60	2,4	150	5,9	100	—	74,00	2
S	LUT 60.150.150	60	2,4	150	5,9	150	—	118,49	2
S	LUT 60.200.060	60	2,4	200	7,9	60	—	87,00	2
S	LUT 60.200.100	60	2,4	200	7,9	100	—	87,00	2
S	LUT 60.200.150	60	2,4	200	7,9	150	—	87,00	2
S	LUT 60.200.200	60	2,4	200	7,9	200	—	87,00	2
S	LUT 80.080.080	80	3,1	80	3,1	80	—	65,00	2
S	LUT 100.100.100	100	3,9	100	3,9	100	—	80,00	2
E3	LUT 40.040.040 E3	40	1,6	40	1,6	40	—	27,00	2
E3	LUT 40.060.040 E3	40	1,6	60	2,4	40	—	47,00	2
E3	LUT 60.060.060 E3	60	2,4	60	2,4	60	—	64,70	2
E3	LUT 60.100.060 E3	60	2,4	100	3,9	60	—	52,00	2
E3	LUT 60.100.100 E3	60	2,4	100	3,9	100	—	52,00	2
E3	LUT 60.200.060 E3	60	2,4	200	7,9	60	—	87,00	2
E3	LUT 60.200.100 E3	60	2,4	200	7,9	100	—	87,00	2
E3	LUT 60.200.200 E3	60	2,4	200	7,9	200	—	87,00	2
E3	LUT 80.080.080 E3	80	3,1	80	3,1	80	—	65,00	2
E3	LUT 100.100.100 E3	100	3,9	100	3,9	100	—	80,00	2

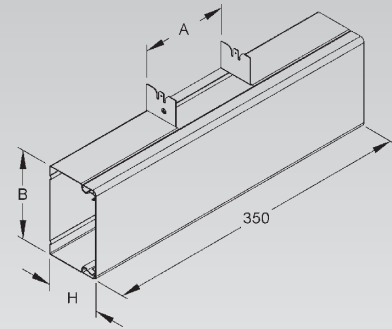
H x B = height and width of the tee fitting

A = width of the 90° tee exit

Please use LST snapin splice plates for proper mechanical and electrical connections.

Splice plates have to be ordered separately.

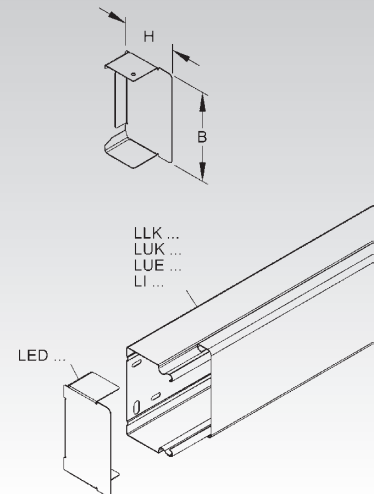
Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3	Height 100 mm	Standard 4
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End-Cap

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
S	LED 40.040	40	1,6	40	1,6	—	1,70	6
S	LED 40.060	40	1,6	60	2,4	—	2,50	6
S	LED 60.060	60	2,4	60	2,4	—	3,88	6
S	LED 60.100	60	2,4	100	3,9	—	5,62	6
S	LED 60.150	60	2,4	150	5,9	—	7,81	6
S	LED 60.200	60	2,4	200	7,9	—	9,99	6
S	LED 80.080	80	3,1	80	3,1	—	6,32	6
S	LED 100.100	100	3,9	100	3,9	—	10,00	6
E3	LED 40.040 E3	40	1,6	40	1,6	—	1,94	6
E3	LED 40.060 E3	40	1,6	60	2,4	—	2,50	6
E3	LED 60.060 E3	60	2,4	60	2,4	—	4,16	6
E3	LED 60.100 E3	60	2,4	100	3,9	—	6,04	6
E3	LED 60.200 E3	60	2,4	200	7,9	—	10,72	6
E3	LED 80.080 E3	80	3,1	80	3,1	—	6,79	6
E3	LED 100.100 E3	100	3,9	100	3,9	—	10,00	6

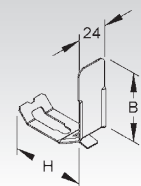
Height 40 mm	Standard 1%	Height 60 mm	Standard 2%	Height 80 mm	Standard 3	Height 100 mm	Standard 4
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Cable Retainer Clamp

	model no.	height H		width B		Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch		
E2	LHS 60.100 E2	60	2,4	55	2,2	2,03	20
E2	LHS 60.150 E2	60	2,4	105	4,1	2,99	20
E2	LHS 60.200 E2	60	2,4	155	6,1	3,95	20
E2	LHS 80.080 E2	80	3,1	35	1,4	2,40	20
E2	LHS 100.100 E2	100	3,9	55	2,2	3,40	20

Height 60 mm	Standard 2%	Height 80 mm	Standard 3	Height 100 mm	Standard 4
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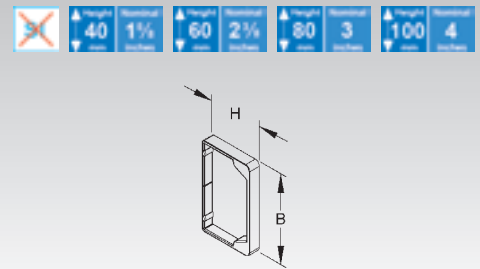
SURFACE METAL RACEWAY

End-Protection Ring

	model no.	height H		width B		RAL colour	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
K04	LER 40.040	40	1,6	40	1,6	blackgrey	0,33	10
K04	LER 40.060	40	1,6	60	2,4	blackgrey	0,40	10
K04	LER 60.060	60	2,4	60	2,4	blackgrey	0,49	10
K04	LER 60.100	60	2,4	100	3,9	blackgrey	0,65	10
K04	LER 80.080	80	3,1	80	3,1	blackgrey	1,23	10
K04	LER 100.100	100	3,9	100	3,9	blackgrey	1,54	10

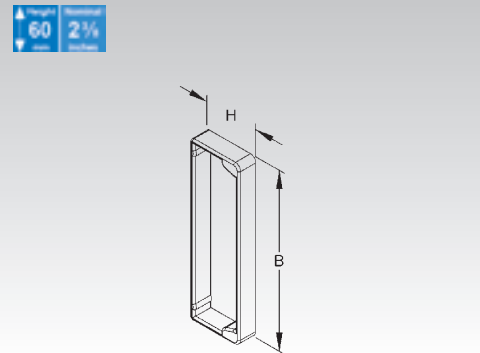
contains no silicone

LER end caps can be attached to the raceway after installation.



End-Protection Ring

	model no.	height H		width B		color	Weight per 100 pcs kg	Pack / Box Qty
		mm	Inch	mm	Inch			
K10	LES 60.150	60	2,4	150	5,9	black	4,71	10
K10	LES 60.200	60	2,4	200	7,9	black	5,85	10



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



NIEDAX GROUP



USA

Niedax Inc.
2970 Charter Street
Columbus, OH 43228

Tel: +1 614 921 8469

sales@niedaxusa.com
www.niedaxusa.com

Mexico

Niedax de Mexico S.A. de C.V.
J.A. Santiago Momoxpan
72760 San Pedro Cholula

Tel: +52 222 247 9602

salesmex@niedax.com
www.niedaxmex.com

Headquarters

Niedax GmbH & Co. KG
Asbacher Straße 141
D-53545 Linz/Germany

Tel: +49 2644 56060

export@niedax.de
www.niedax.de



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