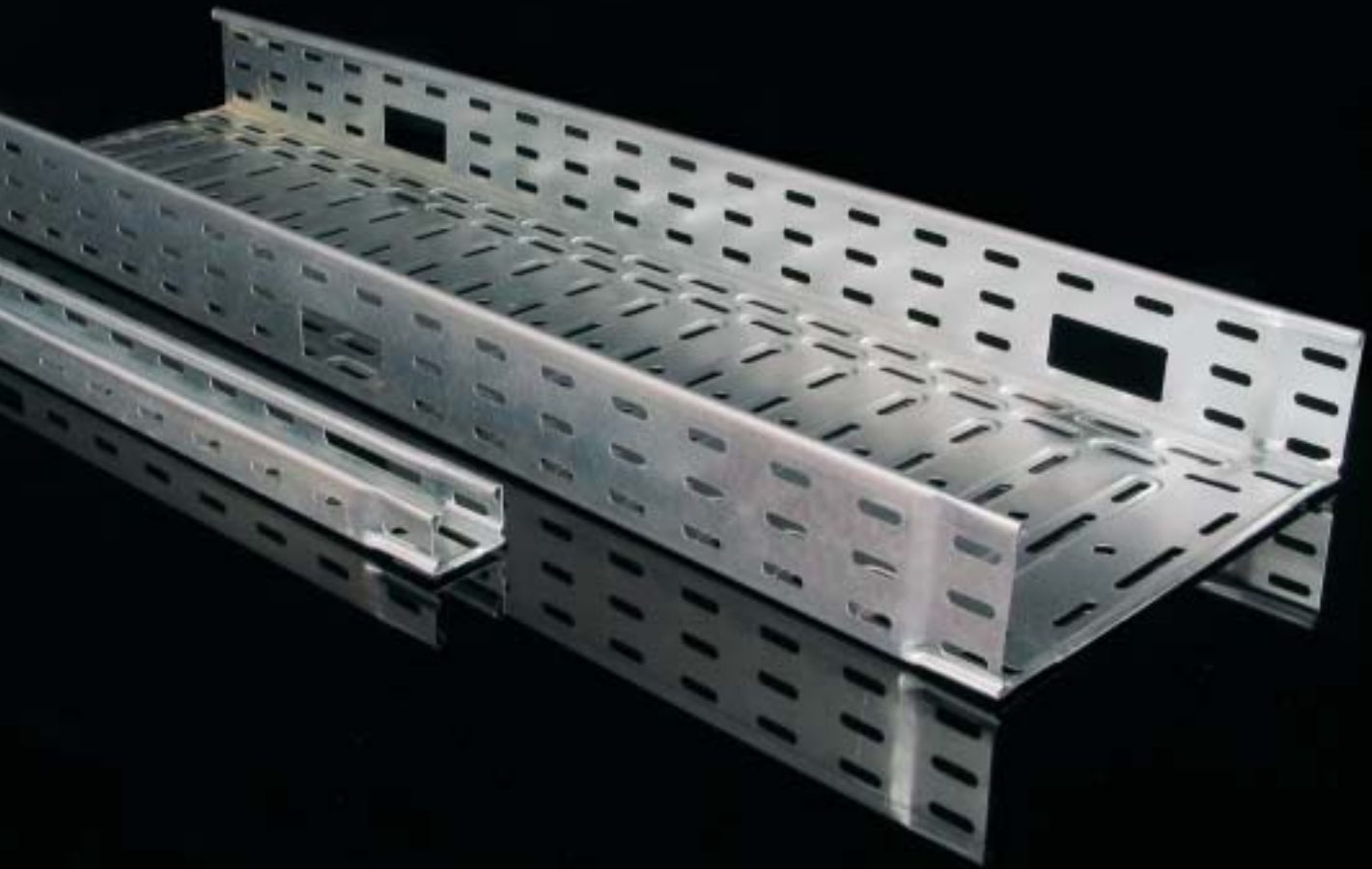
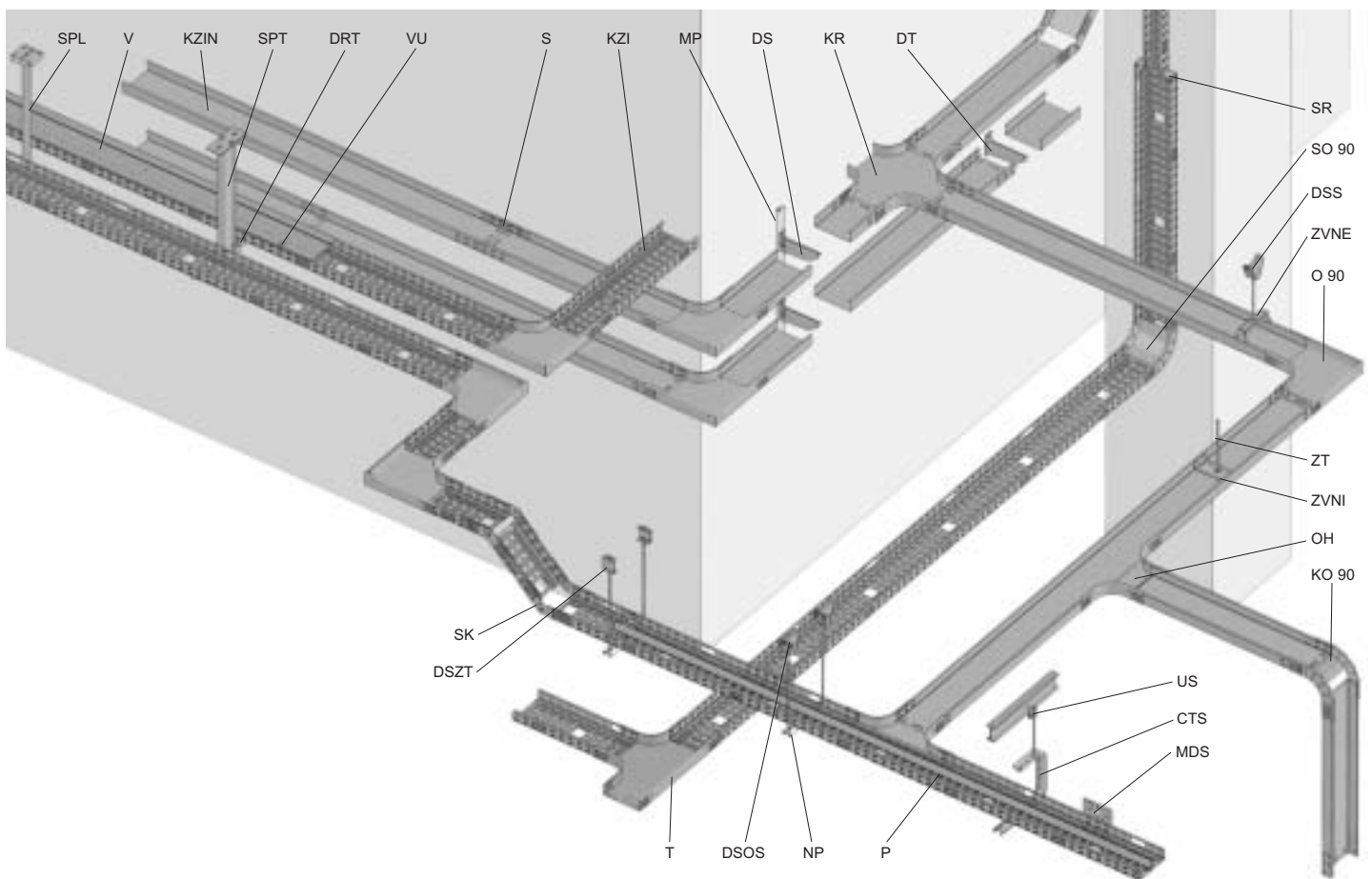


# CABLE TRAYS JUPITER

1



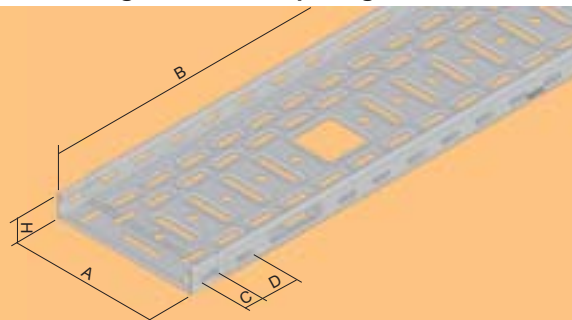
## OVERVIEW OF SYSTEM ELEMENTS



marking	description	page
CTS	hang clamp	28
DRT	clamp bracket – heavy	30
DS	bracket – medium	29
DSOS	bracket for trapeze ceilings	25
DSS	adjustable ceiling bracket	24
DSZT	ceiling bracket	24
DT	bracket – heavy	29
KO 90	low elbow 90°	13
KR	cross-over	12
KZI	cable tray with integrated coupling	3 - 6
KZIN	non-perforated cable tray 60 with integrated coupling	7
MDS	mounting plate	23
MP	assembly profile	32
NP	load bearing profile	27
O 90	elbow 90°	9
OH	horizontal branch	10
P	cross-piece	18
S	coupling	22
SK	hinged joint	21
SO 90	rising elbow 90°	14
SPL	ceiling profile – light	30
SPT	ceiling profile – heavy	31
SR	reduction coupling	20
T	T-piece	11
US	fixation clamp	24
V	cable tray cover	8
VU	cover fixture	8
ZT	threaded rod	25
ZVNE	outer hanger	26
ZVNI	inner hanger	26



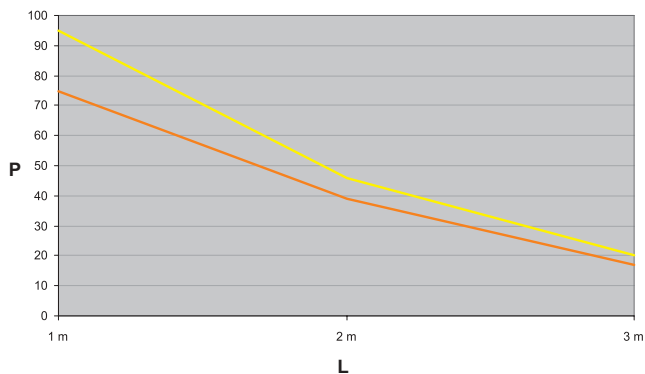
cable tray 35 with integrated coupling



item number	A	H	B	C	D	↑	↑⊕	‡	S	F	EC	P60	P100
KZI 35X50X0.75	50	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	0,70	8595057692237	⊕	⊕	⊕	⊕
KZI 35X75X0.75	75	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	0,90	8595057692244	⊕	⊕	⊕	⊕
KZI 35X100X0.75	100	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	0,92	8595057692251	⊕	⊕	⊕	⊕
KZI 35X150X0.75	150	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	1,15	8595057692268	⊕	⊕	⊕	⊕
KZI 35X200X0.75	200	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	1,33	8595057689206	⊕	⊕	⊕	⊕
KZI 35X300X0.75	300	35	3000	Ø7 x 25	50	0,75	1,00; 1,25	1,77	8595057692275	⊕	⊕	⊕	⊕
KZI 35X400X1.00	400	35	3000	Ø7 x 25	50	1,00	1,25	3,03	8595057692282	⊕	⊕	⊕	⊕
KZI 35X500X1.00	500	35	3000	Ø7 x 25	50	1,00	1,25	3,60	8595057692299	⊕	⊕	⊕	⊕
KZI 35X600X1.00	600	35	3000	Ø7 x 25	50	1,00	1,25	4,33	8595057692305	⊕	⊕	⊕	⊕

It is possible to create on order the trays in the sheet metal thicknesses stated in the table and in the lengths 2, 4, 5 and 6 m.  
 We recommend cable tray Hot-Dip Galvanized in 1,0 mm thick steel plate.  
 We are able to produce cable tray without integrated coupling.

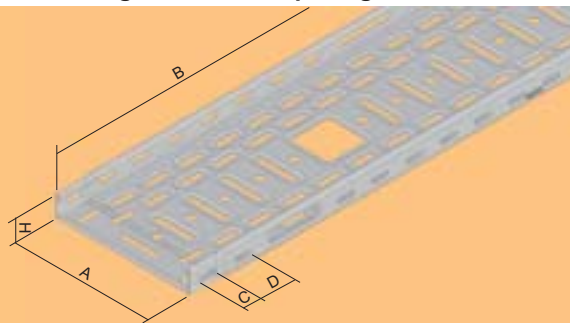
For securing the connection of the trays with the integrated coupling there are used the clamps made from spring steel KSV (page 23) or the bolts NSM 6X10 (page 37), 2 pcs. Example of assembly is on page 40.



The graph shows the maximum allowed even loading of the tray in relation to the distances of the supports.  
 L = distance of supports (m)  
 P = allowed even loading (kg/m)



cable tray 42 with integrated coupling



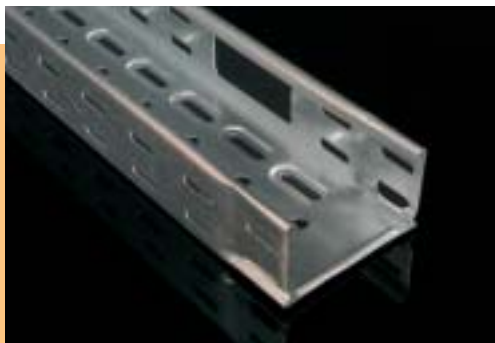
item number	A	H	B	C	D	t	t±	U	S	F	EC	P60	P100
KZI 42X50X0.75	50	42	3000	∅7 x 25	50	0,75	0,5	90	8595057693876	⊕	⊕	⊕	⊕
KZI 42X100X0.75	100	42	3000	∅7 x 25	50	0,75	0,5	60	8595057693883	⊕	⊕	⊕	⊕
KZI 42X150X0.75	150	42	3000	∅7 x 25	50	0,75	0,5; 1,0	60	8595057693890	⊕	⊕	⊕	⊕
KZI 42X200X0.75	200	42	3000	∅7 x 25	50	0,75	0,5; 1,0	48	8595057693906	⊕	⊕	⊕	⊕
KZI 42X300X0.75	300	42	3000	∅7 x 25	50	0,75	1,0	36	8595057693913	⊕	⊕	⊕	⊕
KZI 42X400X0.75	400	42	3000	∅7 x 25	50	0,75	1,0	24	8595057693920	⊕	⊕	⊕	⊕
KZI 42X500X0.75	500	42	3000	∅7 x 25	50	0,75	1,0	18	8595057693937	⊕	⊕	⊕	⊕
KZI 42X600X0.75	600	42	3000	∅7 x 25	50	0,75	1,0	12	8595057693944	⊕	⊕	⊕	⊕

It is possible to create on order the trays in the sheet metal thicknesses stated in the table and in the lengths 2, 4, 5 and 6 m.

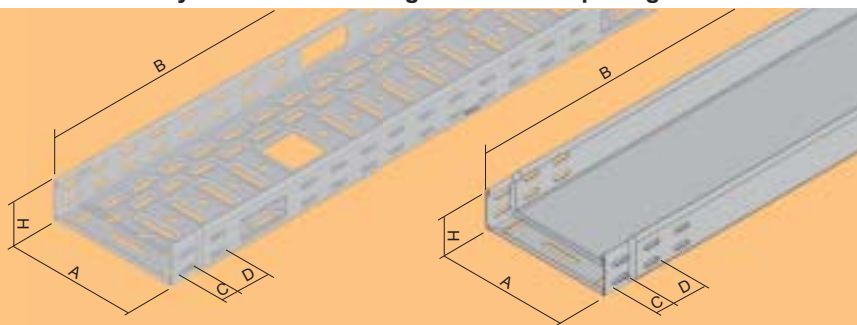
We recommend cable tray Hot-Dip Galvanized in 1,0 mm thick steel plate.

We are able to produce cable tray without integrated coupling.

For securing the connection of the trays with the integrated coupling there are used the clamps made from spring steel KSV (page 23) or the bolts NSM 6X10 (page 37), 2 pcs. Example of assembly is on page 40.



cable tray 60 with integrated coupling



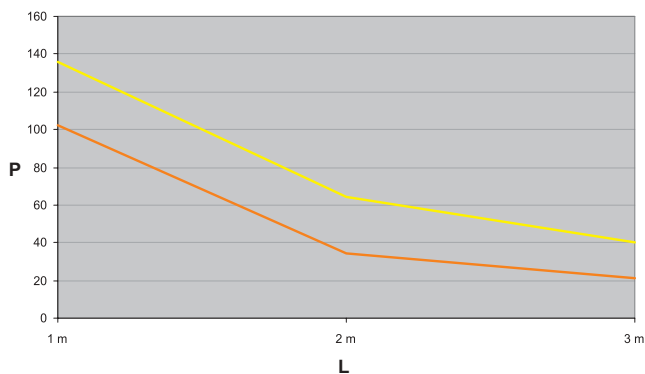
item number	A	H	B	C	D	‡	‡⊕	‡	S	F	EO	EC	P60	P100
KZI 60X50X0.75	50	60	3000	∅7 x 25	50	0,75	1,00; 1,25	0,90	8595057627550	⊕		⊕	⊕	⊕
KZI 60X75X0.75	75	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,17	8595057627550	⊕		⊕	⊕	⊕
KZI 60X100X0.75	100	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,63	8595057627567	⊕		⊕	⊕	⊕
KZI 60X150X0.75	150	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,70	8595057627574	⊕		⊕	⊕	⊕
KZI 60X200X0.75	200	60	3000	∅7 x 25	50	0,75	1,00; 1,25	2,03	8595057627581	⊕		⊕	⊕	⊕
KZI 60X300X0.75	300	60	3000	∅7 x 25	50	0,75	1,00; 1,25	2,40	8595057630857	⊕		⊕	⊕	⊕
KZI 60X400X1.00	400	60	3000	∅7 x 25	50	1,00	1,25	3,43	8595057627611	⊕		⊕	⊕	⊕
KZI 60X500X1.00	500	60	3000	∅7 x 25	50	1,00	1,25	5,60	8595057644021	⊕		⊕	⊕	⊕
KZI 60X600X1.00	600	60	3000	∅7 x 25	50	1,00	1,25	6,70	8595057635722	⊕		⊕	⊕	⊕

non-perforated cable tray 60 with integrated coupling

KZIN 60X50X0.75	50	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,04	8595057692459	⊕	⊕	⊕	⊕	⊕
KZIN 60X75X0.75	75	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,20	8595057692466	⊕	⊕	⊕	⊕	⊕
KZIN 60X100X0.75	100	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,36	8595057692473	⊕	⊕	⊕	⊕	⊕
KZIN 60X150X0.75	150	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,50	8595057692480	⊕	⊕	⊕	⊕	⊕
KZIN 60X200X0.75	200	60	3000	∅7 x 25	50	0,75	1,00; 1,25	1,86	8595057692497	⊕	⊕	⊕	⊕	⊕
KZIN 60X300X1.00	300	60	3000	∅7 x 25	50	1,00	1,25	3,00	8595057692503	⊕	⊕	⊕	⊕	⊕
KZIN 60X400X1.00	400	60	3000	∅7 x 25	50	1,00	1,25	3,73	8595057692510	⊕	⊕	⊕	⊕	⊕
KZIN 60X500X1.25	500	60	3000	∅7 x 25	50	1,25	-	6,10	8595057692527	⊕	⊕	⊕	⊕	⊕
KZIN 60X600X1.25	600	60	3000	∅7 x 25	50	1,25	-	7,07	8595057692534	⊕	⊕	⊕	⊕	⊕

It is possible to create on order the trays in the sheet metal thicknesses stated in the table and in the lengths 2, 4, 5 and 6 m.  
We recommend cable tray Hot-Dip Galvanized in 1,0 mm thick steel plate.  
We are able to produce cable tray without integrated coupling.

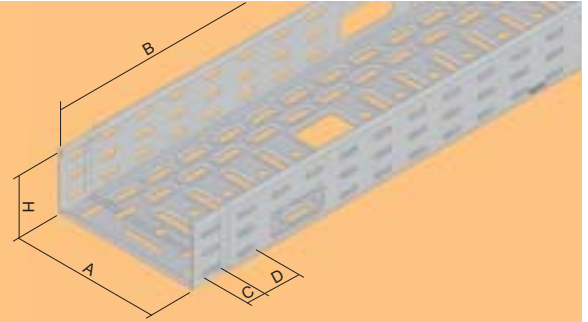
For securing the connection of the trays with the integrated coupling there are used the clamps made from spring steel KSV (page 23) or the bolts NSM 6X10 (page 37), 2 pcs. Example of assembly is on page 40.



The graph shows the maximum allowed even loading of the tray in relation to the distances of the supports.  
L = distance of supports (m)  
P = allowed even loading (kg/m)



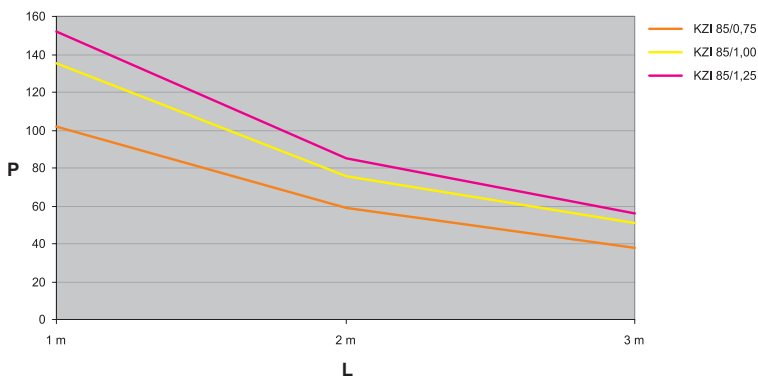
cable tray 85 with integrated coupling



item number	A	H	B	C	D	t	t <sup>⊕</sup>	‡	S	F	EC	P60	P100
KZI 85X100X0.75	100	85	3000	∅7 x 25	50	0,75	1,00; 1,25	1,42	8595057692329	⊕	⊕	⊕	⊕
KZI 85X150X0.75	150	85	3000	∅7 x 25	50	0,75	1,00; 1,25	1,68	8595057692336	⊕	⊕	⊕	⊕
KZI 85X200X1.00	200	85	3000	∅7 x 25	50	1,00	1,25	2,37	8595057692343	⊕	⊕	⊕	⊕
KZI 85X300X1.00	300	85	3000	∅7 x 25	50	1,00	1,25	2,77	8595057692350	⊕	⊕	⊕	⊕
KZI 85X400X1.00	400	85	3000	∅7 x 25	50	1,00	1,25	3,63	8595057692367	⊕	⊕	⊕	⊕
KZI 85X500X1.25	500	85	3000	∅7 x 25	50	1,25	-	5,70	8595057692374	⊕	⊕	⊕	⊕
KZI 85X600X1.25	600	85	3000	∅7 x 25	50	1,25	-	7,73	8595057692381	⊕	⊕	⊕	⊕

It is possible to create on order the trays in the sheet metal thicknesses stated in the table and in the lengths 2, 4, 5 and 6 m. We recommend cable tray Hot-Dip Galvanized in 1,0 mm thick steel plate. We are able to produce cable tray without integrated coupling.

For securing the connection of the trays with the integrated coupling there are used the clamps made from spring steel KSV (page 23) or the bolts NSM 6X10 (page 37), 2 pcs. Example of assembly is on page 40.



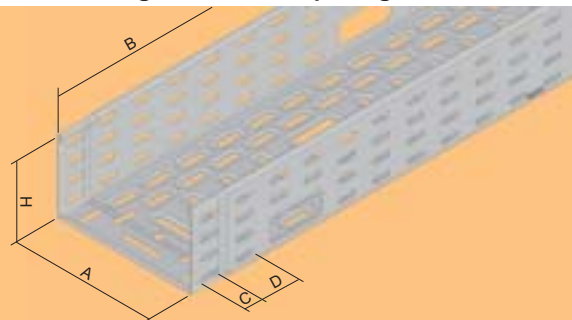
The graph shows the maximum allowed even loading of the tray in relation to the distances of the supports.

L = distance of supports (m)

P = allowed even loading (kg/m)



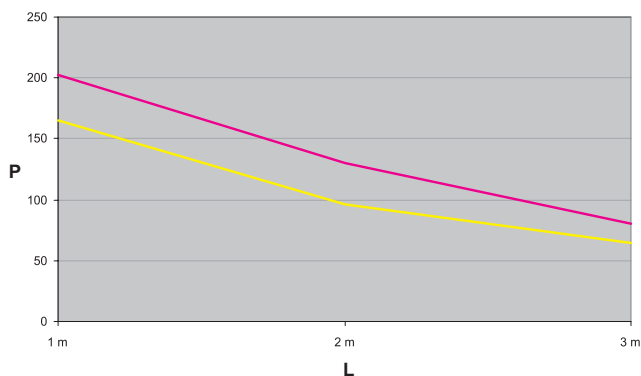
cable tray 110 with integrated coupling



item number	A	H	B	C	D	↓	↓⊕	↓	S	F	EC	P60	P100
KZI 110X150X1.00	150	110	3000	∅7 x 25	50	1,00	1,25	2,50	8595057692398	⊕	⊕	⊕	⊕
KZI 110X200X1.00	200	110	3000	∅7 x 25	50	1,00	1,25	2,74	8595057692404	⊕	⊕	⊕	⊕
KZI 110X300X1.00	300	110	3000	∅7 x 25	50	1,00	1,25	3,46	8595057692411	⊕	⊕	⊕	⊕
KZI 110X400X1.25	400	110	3000	∅7 x 25	50	1,25	-	5,17	8595057692428	⊕	⊕	⊕	⊕
KZI 110X500X1.25	500	110	3000	∅7 x 25	50	1,25	-	6,40	8595057692435	⊕	⊕	⊕	⊕
KZI 110X600X1.25	600	110	3000	∅7 x 25	50	1,25	-	7,37	8595057692442	⊕	⊕	⊕	⊕

It is possible to create on order the trays in the sheet metal thicknesses stated in the table and in the lengths 2, 4, 5 and 6 m. We recommend cable tray Hot-Dip Galvanized in 1,0 mm thick steel plate. We are able to produce cable tray without integrated coupling.

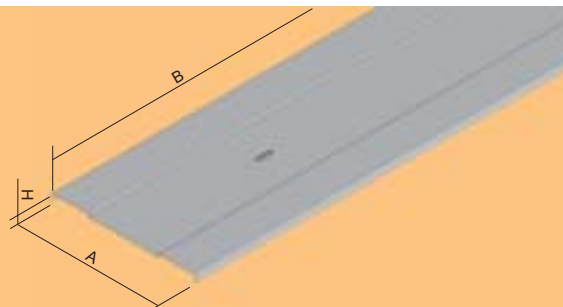
For securing the connection of the trays with the integrated coupling there are used the clamps made from spring steel KSV (page 23) or the bolts NSM 6X10 (page 37), 2 pcs. Example of assembly is on page 40.



The graph shows the maximum allowed even loading of the tray in relation to the distances of the supports.  
 L = distance of supports (m)  
 P = allowed even loading (kg/m)



cable tray cover

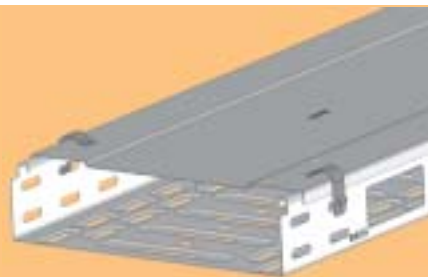


item number	A	H	B	‡	S	F	EO	EC	P60	P100
V 50	50	11	2000 / 3000	0,55	8595057629776	⊕	⊕	⊕	⊕	⊕
V 75	75	11	2000 / 3000	0,55	8595057629578	⊕	⊕	⊕	⊕	⊕
V 100	100	11	2000 / 3000	0,55	8595057629783	⊕	⊕	⊕	⊕	⊕
V 150	150	11	2000 / 3000	0,55	8595057629790	⊕	⊕	⊕	⊕	⊕
V 200	200	11	2000 / 3000	0,55 / 0,80	8595057629424	⊕	⊕	⊕	⊕	⊕
V 300	300	11	2000 / 3000	1,00	8595057629516	⊕	⊕	⊕	⊕	⊕
V 400	400	14	2000 / 3000	1,00	8595057629394	⊕	⊕	⊕	⊕	⊕
V 500	500	14	2000 / 3000	1,00	8595057633162	⊕	⊕	⊕	⊕	⊕
V 600	600	14	2000 / 3000	1,25	8595057636576	⊕	⊕	⊕	⊕	⊕

From the width of 300 mm the covers are reinforced with a longitudinal indent, furthermore from the width of 400 mm they are reinforced with a lateral indent. We recommend cable tray cover Hot-Dip Galvanized in 1,0 mm thick steel plate. The fixing of the cover to the tray is done using the cover fixture VU (2 pcs per meter).



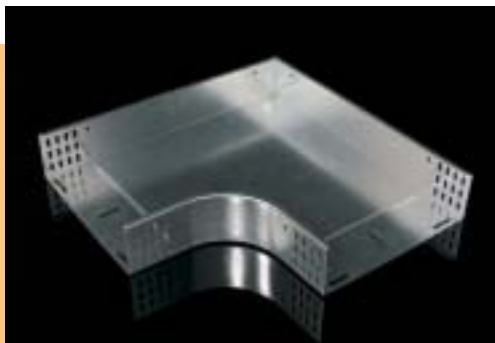
cover fixture



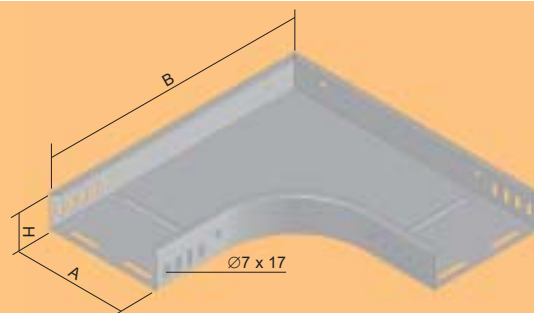
item number	‡	⊕	GMT
VU	0,01	200	8595057629448

Is used for a bolt free attachment of the cover to the tray and to the accessories. The cover fixture is placed to the cover and the sidewall in the place of the opening and it is slightly pressed so that the fixture lock slides into the opening.





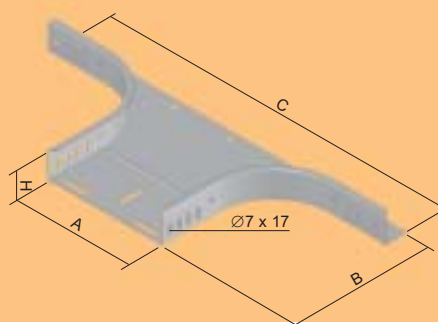
elbow 90°



item number	A	H	B	t	±f	U	S	F	EO	EC	P60	P100
0 90X35X50	50	35	250	0,8	8	1	8595057627819	☺	☺	☺	☺	☺
0 90X35X75	75	35	275	0,8	8	1	8595057636583	☺	☺	☺	☺	☺
0 90X35X100	100	35	300	0,8	8	1	8595057627826	☺	☺	☺	☺	☺
0 90X35X150	150	35	350	0,8	8	1	8595057627833	☺	☺	☺	☺	☺
0 90X35X200	200	35	400	1,0	8	1	8595057627840	☺	☺	☺	☺	☺
0 90X35X300	300	35	500	1,0	8	1	8595057627857	☺	☺	☺	☺	☺
0 90X35X400	400	35	600	1,0	8	1	8595057636606	☺	☺	☺	☺	☺
0 90X35X500	500	35	700	1,0	8	1	8595057636637	☺	☺	☺	☺	☺
0 90X35X600	600	35	800	1,2	8	1	8595057636644	☺	☺	☺	☺	☺
0 90X42X50	50	42	250	0,8	8	1	8595057691711	☺	☺	☺	☺	☺
0 90X42X100	100	42	300	0,8	8	1	8595057691735	☺	☺	☺	☺	☺
0 90X42X150	150	42	350	0,8	8	1	8595057693951	☺	☺	☺	☺	☺
0 90X42X200	200	42	400	1,0	8	1	8595057691742	☺	☺	☺	☺	☺
0 90X42X300	300	42	500	1,0	8	1	8595057691759	☺	☺	☺	☺	☺
0 90X42X400	400	42	600	1,0	8	1	8595057693968	☺	☺	☺	☺	☺
0 90X42X500	500	42	700	1,0	8	1	8595057693975	☺	☺	☺	☺	☺
0 90X42X600	600	42	800	1,2	8	1	8595057693982	☺	☺	☺	☺	☺
0 90X60X50	50	60	250	0,8	8	1	8595057627864	☺	☺	☺	☺	☺
0 90X60X75	75	60	275	0,8	8	1	8595057627871	☺	☺	☺	☺	☺
0 90X60X100	100	60	300	0,8	8	1	8595057627888	☺	☺	☺	☺	☺
0 90X60X150	150	60	350	0,8	8	1	8595057627895	☺	☺	☺	☺	☺
0 90X60X200	200	60	400	1,0	8	1	8595057627918	☺	☺	☺	☺	☺
0 90X60X300	300	60	500	1,0	8	1	8595057627925	☺	☺	☺	☺	☺
0 90X60X400	400	60	600	1,0	8	1	8595057627932	☺	☺	☺	☺	☺
0 90X60X500	500	60	700	1,0	8	1	8595057627949	☺	☺	☺	☺	☺
0 90X60X600	600	60	800	1,2	8	1	8595057627956	☺	☺	☺	☺	☺
0 90X85X100	100	85	300	0,8	16	1	8595057631281	☺	☺	☺	☺	☺
0 90X85X150	150	85	350	0,8	16	1	8595057632608	☺	☺	☺	☺	☺
0 90X85X200	200	85	400	1,0	16	1	8595057632578	☺	☺	☺	☺	☺
0 90X85X300	300	85	500	1,0	16	1	8595057630307	☺	☺	☺	☺	☺
0 90X85X400	400	85	600	1,0	16	1	8595057636675	☺	☺	☺	☺	☺
0 90X85X500	500	85	700	1,0	16	1	8595057636682	☺	☺	☺	☺	☺
0 90X85X600	600	85	800	1,2	16	1	8595057636699	☺	☺	☺	☺	☺
0 90X110X150	150	110	350	0,8	16	1	8595057633667	☺	☺	☺	☺	☺
0 90X110X200	200	110	400	1,0	16	1	8595057636705	☺	☺	☺	☺	☺
0 90X110X300	300	110	500	1,0	16	1	8595057633186	☺	☺	☺	☺	☺
0 90X110X400	400	110	600	1,0	16	1	8595057636729	☺	☺	☺	☺	☺
0 90X110X500	500	110	700	1,0	16	1	8595057633179	☺	☺	☺	☺	☺
0 90X110X600	600	110	800	1,2	16	1	8595057636736	☺	☺	☺	☺	☺

To fix the connection use the bolt NSM 6X10 (page 37).  
From the width of 400 mm the outer right angle of the side walls is replaced by skewed cut.

## horizontal branch

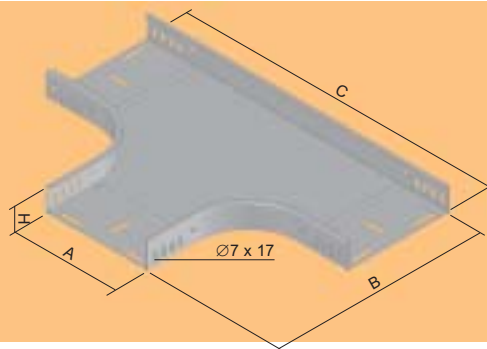


item number	A	H	B	C	t	U	U	S	F	EO	EC	P60	P100
OH 35X50	50	35	238	450	0,8	8	1	8595057628243	⊕	⊕	⊕	⊕	⊕
OH 35X75	75	35	238	475	0,8	8	1	8595057637580	⊕	⊕	⊕	⊕	⊕
OH 35X100	100	35	238	500	0,8	8	1	8595057628250	⊕	⊕	⊕	⊕	⊕
OH 35X150	150	35	238	550	0,8	8	1	8595057628267	⊕	⊕	⊕	⊕	⊕
OH 35X200	200	35	238	600	1,0	8	1	8595057628274	⊕	⊕	⊕	⊕	⊕
OH 35X300	300	35	238	700	1,0	8	1	8595057628281	⊕	⊕	⊕	⊕	⊕
OH 35X400	400	35	238	800	1,0	8	1	8595057637245	⊕	⊕	⊕	⊕	⊕
OH 35X500	500	35	238	900	1,0	8	1	8595057637252	⊕	⊕	⊕	⊕	⊕
OH 35X600	600	35	238	1000	1,2	8	1	8595057637269	⊕	⊕	⊕	⊕	⊕
OH 42X50	50	42	238	450	0,8	8	1	8595057693999	⊕	⊕	⊕	⊕	⊕
OH 42X100	100	42	238	500	0,8	8	1	8595057694002	⊕	⊕	⊕	⊕	⊕
OH 42X150	150	42	238	550	0,8	8	1	8595057694019	⊕	⊕	⊕	⊕	⊕
OH 42X200	200	42	238	600	1,0	8	1	8595057694026	⊕	⊕	⊕	⊕	⊕
OH 42X300	300	42	238	700	1,0	8	1	8595057694033	⊕	⊕	⊕	⊕	⊕
OH 42X400	400	42	238	800	1,0	8	1	8595057694040	⊕	⊕	⊕	⊕	⊕
OH 42X500	500	42	238	900	1,0	8	1	8595057694057	⊕	⊕	⊕	⊕	⊕
OH 42X600	600	42	238	1000	1,2	8	1	8595057694064	⊕	⊕	⊕	⊕	⊕
OH 60X50	50	60	238	450	0,8	8	1	8595057628298	⊕	⊕	⊕	⊕	⊕
OH 60X75	75	60	238	475	0,8	8	1	8595057628304	⊕	⊕	⊕	⊕	⊕
OH 60X100	100	60	238	500	0,8	8	1	8595057628311	⊕	⊕	⊕	⊕	⊕
OH 60X150	150	60	238	550	0,8	8	1	8595057628328	⊕	⊕	⊕	⊕	⊕
OH 60X200	200	60	238	600	1,0	8	1	8595057628335	⊕	⊕	⊕	⊕	⊕
OH 60X300	300	60	238	700	1,0	8	1	8595057628342	⊕	⊕	⊕	⊕	⊕
OH 60X400	400	60	238	800	1,0	8	1	8595057628359	⊕	⊕	⊕	⊕	⊕
OH 60X500	500	60	238	900	1,0	8	1	8595057628366	⊕	⊕	⊕	⊕	⊕
OH 60X600	600	60	238	1000	1,2	8	1	8595057628373	⊕	⊕	⊕	⊕	⊕
OH 85X100	100	85	238	500	0,8	16	1	8595057630161	⊕	⊕	⊕	⊕	⊕
OH 85X150	150	85	238	550	0,8	16	1	8595057630178	⊕	⊕	⊕	⊕	⊕
OH 85X200	200	85	238	600	1,0	16	1	8595057630185	⊕	⊕	⊕	⊕	⊕
OH 85X300	300	85	238	700	1,0	16	1	8595057630208	⊕	⊕	⊕	⊕	⊕
OH 85X400	400	85	238	800	1,0	16	1	8595057629493	⊕	⊕	⊕	⊕	⊕
OH 85X500	500	85	238	900	1,0	16	1	8595057637283	⊕	⊕	⊕	⊕	⊕
OH 85X600	600	85	238	1000	1,2	16	1	8595057637290	⊕	⊕	⊕	⊕	⊕
OH 110X150	150	110	238	550	0,8	16	1	8595057633698	⊕	⊕	⊕	⊕	⊕
OH 110X200	200	110	238	600	1,0	16	1	8595057637306	⊕	⊕	⊕	⊕	⊕
OH 110X300	300	110	238	700	1,0	16	1	8595057633292	⊕	⊕	⊕	⊕	⊕
OH 110X400	400	110	238	800	1,0	16	1	8595057637320	⊕	⊕	⊕	⊕	⊕
OH 110X500	500	110	238	900	1,0	16	1	8595057633285	⊕	⊕	⊕	⊕	⊕
OH 110X600	600	110	238	1000	1,2	16	1	8595057637337	⊕	⊕	⊕	⊕	⊕

To fix the connection use the bolt NSM 6X10 (page 37).

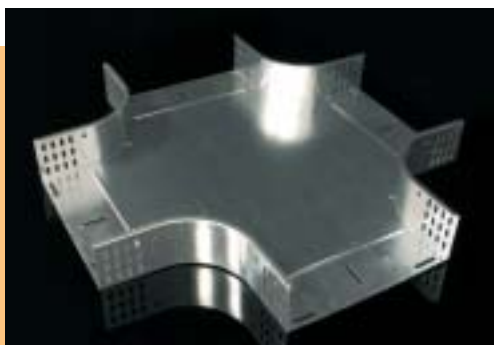


T-piece

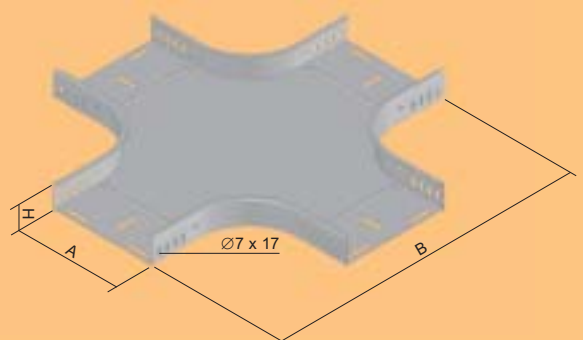


item number	A	H	B	C	t	⌘	⊙	S	F	EO	EC	P60	P100
T 35X50	50	35	250	450	0,8	12	1	8595057637344	⊕	⊕	⊕	⊕	⊕
T 35X75	75	35	275	475	0,8	12	1	8595057637351	⊕	⊕	⊕	⊕	⊕
T 35X100	100	35	300	500	0,8	12	1	8595057637368	⊕	⊕	⊕	⊕	⊕
T 35X150	150	35	350	550	0,8	12	1	8595057637375	⊕	⊕	⊕	⊕	⊕
T 35X200	200	35	400	600	1,0	12	1	8595057637382	⊕	⊕	⊕	⊕	⊕
T 35X300	300	35	500	700	1,0	12	1	8595057637405	⊕	⊕	⊕	⊕	⊕
T 35X400	400	35	600	800	1,0	12	1	8595057637412	⊕	⊕	⊕	⊕	⊕
T 35X500	500	35	700	900	1,0	12	1	8595057637429	⊕	⊕	⊕	⊕	⊕
T 35X600	600	35	800	1000	1,2	12	1	8595057637436	⊕	⊕	⊕	⊕	⊕
T 42X50	50	42	250	450	0,8	12	1	8595057691766	⊕	⊕	⊕	⊕	⊕
T 42X100	100	42	300	500	0,8	12	1	8595057691780	⊕	⊕	⊕	⊕	⊕
T 42X150	150	42	350	550	0,8	12	1	8595057694071	⊕	⊕	⊕	⊕	⊕
T 42X200	200	42	400	600	1,0	12	1	8595057691797	⊕	⊕	⊕	⊕	⊕
T 42X300	300	42	500	700	1,0	12	1	8595057691803	⊕	⊕	⊕	⊕	⊕
T 42X400	400	42	600	800	1,0	12	1	8595057694088	⊕	⊕	⊕	⊕	⊕
T 42X500	500	42	700	900	1,0	12	1	8595057694095	⊕	⊕	⊕	⊕	⊕
T 42X600	600	42	800	1000	1,2	12	1	8595057694101	⊕	⊕	⊕	⊕	⊕
T 60X50	50	60	250	450	0,8	12	1	8595057637443	⊕	⊕	⊕	⊕	⊕
T 60X75	75	60	275	475	0,8	12	1	8595057633339	⊕	⊕	⊕	⊕	⊕
T 60X100	100	60	300	500	0,8	12	1	8595057630338	⊕	⊕	⊕	⊕	⊕
T 60X150	150	60	350	550	0,8	12	1	8595057633575	⊕	⊕	⊕	⊕	⊕
T 60X200	200	60	400	600	1,0	12	1	8595057631717	⊕	⊕	⊕	⊕	⊕
T 60X300	300	60	500	700	1,0	12	1	8595057637467	⊕	⊕	⊕	⊕	⊕
T 60X400	400	60	600	800	1,0	12	1	8595057631700	⊕	⊕	⊕	⊕	⊕
T 60X500	500	60	700	900	1,0	12	1	8595057637474	⊕	⊕	⊕	⊕	⊕
T 60X600	600	60	800	1000	1,2	12	1	8595057637481	⊕	⊕	⊕	⊕	⊕
T 85X100	100	85	300	500	0,8	24	1	8595057633322	⊕	⊕	⊕	⊕	⊕
T 85X150	150	85	350	550	0,8	24	1	8595057635456	⊕	⊕	⊕	⊕	⊕
T 85X200	200	85	400	600	1,0	24	1	8595057633315	⊕	⊕	⊕	⊕	⊕
T 85X300	300	85	500	700	1,0	24	1	8595057630352	⊕	⊕	⊕	⊕	⊕
T 85X400	400	85	600	800	1,0	24	1	8595057637504	⊕	⊕	⊕	⊕	⊕
T 85X500	500	85	700	900	1,0	24	1	8595057637511	⊕	⊕	⊕	⊕	⊕
T 85X600	600	85	800	1000	1,2	24	1	8595057637528	⊕	⊕	⊕	⊕	⊕
T 110X150	150	110	350	550	0,8	24	1	8595057635289	⊕	⊕	⊕	⊕	⊕
T 110X200	200	110	400	600	1,0	24	1	8595057637535	⊕	⊕	⊕	⊕	⊕
T 110X300	300	110	500	700	1,0	24	1	8595057637559	⊕	⊕	⊕	⊕	⊕
T 110X400	400	110	600	800	1,0	24	1	8595057637566	⊕	⊕	⊕	⊕	⊕
T 110X500	500	110	700	900	1,0	24	1	8595057633704	⊕	⊕	⊕	⊕	⊕
T 110X600	600	110	800	1000	1,2	24	1	8595057637573	⊕	⊕	⊕	⊕	⊕

To fix the connection use the bolt NSM 6X10 (page 37).



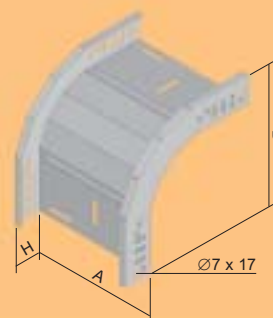
## CROSS-OVER



item number	A	H	B	t	±	U	S	F	EO	EC	P60	P100
KR 35X50	50	35	450	0,8	16	1	8595057637597	⊕	⊕	⊕	⊕	⊕
KR 35X75	75	35	475	0,8	16	1	8595057637603	⊕	⊕	⊕	⊕	⊕
KR 35X100	100	35	500	0,8	16	1	8595057637610	⊕	⊕	⊕	⊕	⊕
KR 35X150	150	35	550	0,8	16	1	8595057637627	⊕	⊕	⊕	⊕	⊕
KR 35X200	200	35	600	1,0	16	1	8595057637634	⊕	⊕	⊕	⊕	⊕
KR 35X300	300	35	700	1,0	16	1	8595057637658	⊕	⊕	⊕	⊕	⊕
KR 35X400	400	35	800	1,0	16	1	8595057637665	⊕	⊕	⊕	⊕	⊕
KR 35X500	500	35	900	1,0	16	1	8595057637672	⊕	⊕	⊕	⊕	⊕
KR 35X600	600	35	1000	1,2	16	1	8595057637689	⊕	⊕	⊕	⊕	⊕
KR 42X50	50	42	450	0,8	16	1	8595057691810	⊕	⊕	⊕	⊕	⊕
KR 42X100	100	42	500	0,8	16	1	8595057691834	⊕	⊕	⊕	⊕	⊕
KR 42X150	150	42	550	0,8	16	1	8595057691841	⊕	⊕	⊕	⊕	⊕
KR 42X200	200	42	600	1,0	16	1	8595057691858	⊕	⊕	⊕	⊕	⊕
KR 42X300	300	42	700	1,0	16	1	8595057691865	⊕	⊕	⊕	⊕	⊕
KR 42X400	400	42	800	1,0	16	1	8595057691872	⊕	⊕	⊕	⊕	⊕
KR 42X500	500	42	900	1,0	16	1	8595057691889	⊕	⊕	⊕	⊕	⊕
KR 42X600	600	42	1000	1,2	16	1	8595057691896	⊕	⊕	⊕	⊕	⊕
KR 60X50	50	60	450	0,8	16	1	8595057637696	⊕	⊕	⊕	⊕	⊕
KR 60X75	75	60	475	0,8	16	1	8595057637702	⊕	⊕	⊕	⊕	⊕
KR 60X100	100	60	500	0,8	16	1	8595057637719	⊕	⊕	⊕	⊕	⊕
KR 60X150	150	60	550	0,8	16	1	8595057637726	⊕	⊕	⊕	⊕	⊕
KR 60X200	200	60	600	1,0	16	1	8595057637733	⊕	⊕	⊕	⊕	⊕
KR 60X300	300	60	700	1,0	16	1	8595057637757	⊕	⊕	⊕	⊕	⊕
KR 60X400	400	60	800	1,0	16	1	8595057637764	⊕	⊕	⊕	⊕	⊕
KR 60X500	500	60	900	1,0	16	1	8595057637771	⊕	⊕	⊕	⊕	⊕
KR 60X600	600	60	1000	1,2	16	1	8595057637788	⊕	⊕	⊕	⊕	⊕
KR 85X100	100	85	500	0,8	32	1	8595057637795	⊕	⊕	⊕	⊕	⊕
KR 85X150	150	85	550	0,8	32	1	8595057637801	⊕	⊕	⊕	⊕	⊕
KR 85X200	200	85	600	1,0	32	1	8595057637818	⊕	⊕	⊕	⊕	⊕
KR 85X300	300	85	700	1,0	32	1	8595057637832	⊕	⊕	⊕	⊕	⊕
KR 85X400	400	85	800	1,0	32	1	8595057637849	⊕	⊕	⊕	⊕	⊕
KR 85X500	500	85	900	1,0	32	1	8595057637856	⊕	⊕	⊕	⊕	⊕
KR 85X600	600	85	1000	1,2	32	1	8595057637863	⊕	⊕	⊕	⊕	⊕
KR 110X150	150	110	550	0,8	32	1	8595057637870	⊕	⊕	⊕	⊕	⊕
KR 110X200	200	110	600	1,0	32	1	8595057637887	⊕	⊕	⊕	⊕	⊕
KR 110X300	300	110	700	1,0	32	1	8595057637900	⊕	⊕	⊕	⊕	⊕
KR 110X400	400	110	800	1,0	32	1	8595057637917	⊕	⊕	⊕	⊕	⊕
KR 110X500	500	110	900	1,0	32	1	8595057637924	⊕	⊕	⊕	⊕	⊕
KR 110X600	600	110	1000	1,2	32	1	8595057637931	⊕	⊕	⊕	⊕	⊕

To fix the connection use the bolt NSM 6X10 (page 37).

low elbow 90°

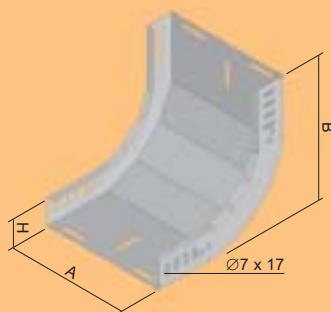


item number	A	H	B	t	f	U	S	F	EO	EC	P60	P100
KO 90X35X50	50	35	220	0,8	8	1	8595057627963	☺	☺	☺	☺	☺
KO 90X35X75	75	35	220	0,8	8	1	8595057636873	☺	☺	☺	☺	☺
KO 90X35X100	100	35	220	0,8	8	1	8595057627970	☺	☺	☺	☺	☺
KO 90X35X150	150	35	220	0,8	8	1	8595057627987	☺	☺	☺	☺	☺
KO 90X35X200	200	35	220	1,0	8	1	8595057627994	☺	☺	☺	☺	☺
KO 90X35X300	300	35	220	1,0	8	1	8595057628007	☺	☺	☺	☺	☺
KO 90X35X400	400	35	220	1,0	8	1	8595057636897	☺	☺	☺	☺	☺
KO 90X35X500	500	35	220	1,0	8	1	8595057636903	☺	☺	☺	☺	☺
KO 90X35X600	600	35	220	1,2	8	1	8595057636910	☺	☺	☺	☺	☺
KO 90X42X50	50	42	227	0,8	8	1	8595057694118	☺	☺	☺	☺	☺
KO 90X42X100	100	42	227	0,8	8	1	8595057694125	☺	☺	☺	☺	☺
KO 90X42X150	150	42	227	0,8	8	1	8595057694132	☺	☺	☺	☺	☺
KO 90X42X200	200	42	227	1,0	8	1	8595057694149	☺	☺	☺	☺	☺
KO 90X42X300	300	42	227	1,0	8	1	8595057694156	☺	☺	☺	☺	☺
KO 90X42X400	400	42	227	1,0	8	1	8595057694163	☺	☺	☺	☺	☺
KO 90X42X500	500	42	227	1,0	8	1	8595057694170	☺	☺	☺	☺	☺
KO 90X42X600	600	42	227	1,2	8	1	8595057694187	☺	☺	☺	☺	☺
KO 90X60X50	50	60	245	0,8	8	1	8595057628014	☺	☺	☺	☺	☺
KO 90X60X75	75	60	245	0,8	8	1	8595057628021	☺	☺	☺	☺	☺
KO 90X60X100	100	60	245	0,8	8	1	8595057628038	☺	☺	☺	☺	☺
KO 90X60X150	150	60	245	0,8	8	1	8595057628045	☺	☺	☺	☺	☺
KO 90X60X200	200	60	245	1,0	8	1	8595057628052	☺	☺	☺	☺	☺
KO 90X60X300	300	60	245	1,0	8	1	8595057628069	☺	☺	☺	☺	☺
KO 90X60X400	400	60	245	1,0	8	1	8595057628076	☺	☺	☺	☺	☺
KO 90X60X500	500	60	245	1,0	8	1	8595057628083	☺	☺	☺	☺	☺
KO 90X60X600	600	60	245	1,2	8	1	8595057628090	☺	☺	☺	☺	☺
KO 90X85X100	100	85	270	0,8	16	1	8595057630062	☺	☺	☺	☺	☺
KO 90X85X150	150	85	270	0,8	16	1	8595057630079	☺	☺	☺	☺	☺
KO 90X85X200	200	85	270	1,0	16	1	8595057630086	☺	☺	☺	☺	☺
KO 90X85X300	300	85	270	1,0	16	1	8595057630109	☺	☺	☺	☺	☺
KO 90X85X400	400	85	270	1,0	16	1	8595057629479	☺	☺	☺	☺	☺
KO 90X85X500	500	85	270	1,0	16	1	8595057636934	☺	☺	☺	☺	☺
KO 90X85X600	600	85	270	1,2	16	1	8595057636941	☺	☺	☺	☺	☺
KO 90X110X150	150	110	295	0,8	16	1	8595057633674	☺	☺	☺	☺	☺
KO 90X110X200	200	110	295	1,0	16	1	8595057636958	☺	☺	☺	☺	☺
KO 90X110X300	300	110	295	1,0	16	1	8595057633254	☺	☺	☺	☺	☺
KO 90X110X400	400	110	295	1,0	16	1	8595057636972	☺	☺	☺	☺	☺
KO 90X110X500	500	110	295	1,0	16	1	8595057633247	☺	☺	☺	☺	☺
KO 90X110X600	600	110	295	1,2	16	1	8595057636989	☺	☺	☺	☺	☺

To fix the connection use the bolt NSM 6X10 (page 37).



rising elbow 90°

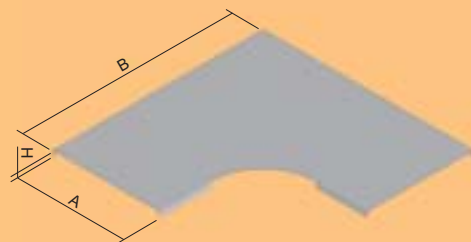


item number	A	H	B	↑	↓	↻	S	F	EO	EC	P60	P100
SO 90X35X50	50	35	220	0,8	8	1	8595057628106	⊕	⊕	⊕	⊕	⊕
SO 90X35X75	75	35	220	0,8	8	1	8595057636743	⊕	⊕	⊕	⊕	⊕
SO 90X35X100	100	35	220	0,8	8	1	8595057628113	⊕	⊕	⊕	⊕	⊕
SO 90X35X150	150	35	220	0,8	8	1	8595057628120	⊕	⊕	⊕	⊕	⊕
SO 90X35X200	200	35	220	1,0	8	1	8595057628137	⊕	⊕	⊕	⊕	⊕
SO 90X35X300	300	35	220	1,0	8	1	8595057628144	⊕	⊕	⊕	⊕	⊕
SO 90X35X400	400	35	220	1,0	8	1	8595057636767	⊕	⊕	⊕	⊕	⊕
SO 90X35X500	500	35	220	1,0	8	1	8595057636774	⊕	⊕	⊕	⊕	⊕
SO 90X35X600	600	35	220	1,2	8	1	8595057636781	⊕	⊕	⊕	⊕	⊕
SO 90X42X50	50	42	227	0,8	8	1	8595057694194	⊕	⊕	⊕	⊕	⊕
SO 90X42X100	100	42	227	0,8	8	1	8595057694200	⊕	⊕	⊕	⊕	⊕
SO 90X42X150	150	42	227	0,8	8	1	8595057694217	⊕	⊕	⊕	⊕	⊕
SO 90X42X200	200	42	227	1,0	8	1	8595057694224	⊕	⊕	⊕	⊕	⊕
SO 90X42X300	300	42	227	1,0	8	1	8595057694231	⊕	⊕	⊕	⊕	⊕
SO 90X42X400	400	42	227	1,0	8	1	8595057694248	⊕	⊕	⊕	⊕	⊕
SO 90X42X500	500	42	227	1,0	8	1	8595057694255	⊕	⊕	⊕	⊕	⊕
SO 90X42X600	600	42	227	1,2	8	1	8595057694262	⊕	⊕	⊕	⊕	⊕
SO 90X60X50	50	60	245	0,8	8	1	8595057628151	⊕	⊕	⊕	⊕	⊕
SO 90X60X75	75	60	245	0,8	8	1	8595057628168	⊕	⊕	⊕	⊕	⊕
SO 90X60X100	100	60	245	0,8	8	1	8595057628175	⊕	⊕	⊕	⊕	⊕
SO 90X60X150	150	60	245	0,8	8	1	8595057628182	⊕	⊕	⊕	⊕	⊕
SO 90X60X200	200	60	245	1,0	8	1	8595057628199	⊕	⊕	⊕	⊕	⊕
SO 90X60X300	300	60	245	1,0	8	1	8595057628205	⊕	⊕	⊕	⊕	⊕
SO 90X60X400	400	60	245	1,0	8	1	8595057628212	⊕	⊕	⊕	⊕	⊕
SO 90X60X500	500	60	245	1,0	8	1	8595057628229	⊕	⊕	⊕	⊕	⊕
SO 90X60X600	600	60	245	1,2	8	1	8595057628236	⊕	⊕	⊕	⊕	⊕
SO 90X85X100	100	85	270	0,8	16	1	8595057630321	⊕	⊕	⊕	⊕	⊕
SO 90X85X150	150	85	270	0,8	16	1	8595057636804	⊕	⊕	⊕	⊕	⊕
SO 90X85X200	200	85	270	1,0	16	1	8595057633223	⊕	⊕	⊕	⊕	⊕
SO 90X85X300	300	85	270	1,0	16	1	8595057630031	⊕	⊕	⊕	⊕	⊕
SO 90X85X400	400	85	270	1,0	16	1	8595057629455	⊕	⊕	⊕	⊕	⊕
SO 90X85X500	500	85	270	1,0	16	1	8595057636811	⊕	⊕	⊕	⊕	⊕
SO 90X85X600	600	85	270	1,2	16	1	8595057636828	⊕	⊕	⊕	⊕	⊕
SO 90X110X150	150	110	295	0,8	16	1	8595057633827	⊕	⊕	⊕	⊕	⊕
SO 90X110X200	200	110	295	1,0	16	1	8595057636835	⊕	⊕	⊕	⊕	⊕
SO 90X110X300	300	110	295	1,0	16	1	8595057633216	⊕	⊕	⊕	⊕	⊕
SO 90X110X400	400	110	295	1,0	16	1	8595057636859	⊕	⊕	⊕	⊕	⊕
SO 90X110X500	500	110	295	1,0	16	1	8595057633209	⊕	⊕	⊕	⊕	⊕
SO 90X110X600	600	110	295	1,2	16	1	8595057636866	⊕	⊕	⊕	⊕	⊕

To fix the connection use the bolt NSM 6X10 (page 37).



elbow cover 90°

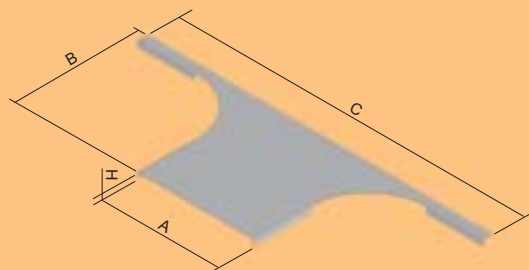


item number	A	H	B	t	⊕	S	F	EO	EC	P60	P100
VO 90X50	50	12	250	0,6	1	8595057630277	⊕	⊕	⊕	⊕	⊕
VO 90X75	75	12	275	0,6	1	8595057629622	⊕	⊕	⊕	⊕	⊕
VO 90X100	100	12	300	0,6	1	8595057629813	⊕	⊕	⊕	⊕	⊕
VO 90X150	150	12	350	0,6	1	8595057630246	⊕	⊕	⊕	⊕	⊕
VO 90X200	200	12	400	0,8	1	8595057629820	⊕	⊕	⊕	⊕	⊕
VO 90X300	300	12	500	1,0	1	8595057629561	⊕	⊕	⊕	⊕	⊕
VO 90X400	400	15	600	1,0	1	8595057630260	⊕	⊕	⊕	⊕	⊕
VO 90X500	500	15	700	1,0	1	8595057633193	⊕	⊕	⊕	⊕	⊕
VO 90X600	600	15	800	1,0	1	8595057637009	⊕	⊕	⊕	⊕	⊕

To fix the cover use 4 pcs of cover fixturs VU (page 8).  
 From the width of 400 mm the outer right angle is replaced by skewed cut.



horizontal branch cover

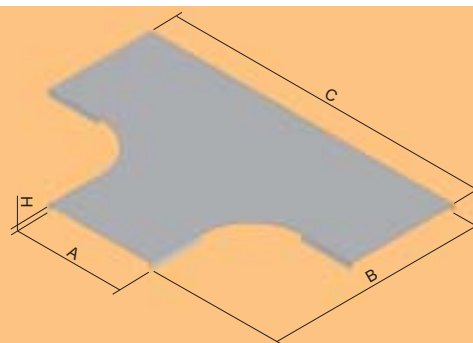


item number	A	H	B	C	t	⊕	S	F	EO	EC	P60	P100
VOH 50	50	12	210	450	0,6	1	8595057637948	⊕	⊕	⊕	⊕	⊕
VOH 75	75	12	210	475	0,6	1	8595057632813	⊕	⊕	⊕	⊕	⊕
VOH 100	100	12	210	500	0,6	1	8595057629875	⊕	⊕	⊕	⊕	⊕
VOH 150	150	12	210	550	0,6	1	8595057629882	⊕	⊕	⊕	⊕	⊕
VOH 200	200	12	210	600	0,8	1	8595057629899	⊕	⊕	⊕	⊕	⊕
VOH 300	300	12	210	700	1,0	1	8595057629905	⊕	⊕	⊕	⊕	⊕
VOH 400	400	15	210	800	1,0	1	8595057629509	⊕	⊕	⊕	⊕	⊕
VOH 500	500	15	210	900	1,0	1	8595057633308	⊕	⊕	⊕	⊕	⊕
VOH 600	600	15	210	1000	1,0	1	8595057637955	⊕	⊕	⊕	⊕	⊕

To fix the cover use 4 pcs of cover fixturs VU (page 8).



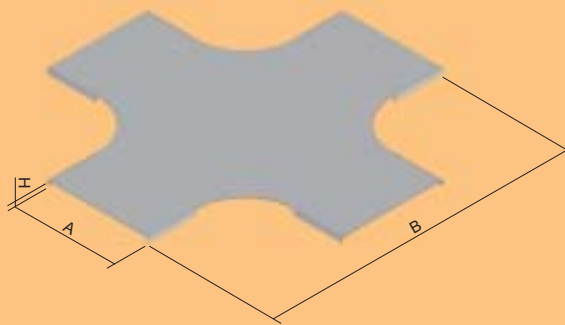
T-piece cover



item number	A	H	B	C	t	U	S	F	EO	EC	P60	P100
VT 50	50	12	250	450	0,6	1	8595057637962	⊕	⊕	⊕	⊕	⊕
VT 75	75	12	275	475	0,6	1	8595057633353	⊕	⊕	⊕	⊕	⊕
VT 100	100	12	300	500	0,6	1	8595057630345	⊕	⊕	⊕	⊕	⊕
VT 150	150	12	350	550	0,6	1	8595057635326	⊕	⊕	⊕	⊕	⊕
VT 200	200	12	400	600	0,8	1	8595057633346	⊕	⊕	⊕	⊕	⊕
VT 300	300	12	500	700	1,0	1	8595057630369	⊕	⊕	⊕	⊕	⊕
VT 400	400	15	600	800	1,0	1	8595057636620	⊕	⊕	⊕	⊕	⊕
VT 500	500	15	700	900	1,0	1	8595057633711	⊕	⊕	⊕	⊕	⊕
VT 600	600	15	800	1000	1,0	1	8595057637986	⊕	⊕	⊕	⊕	⊕

To fix the cover use 6 pcs of cover fixtures VU (page 8).

cross-over cover

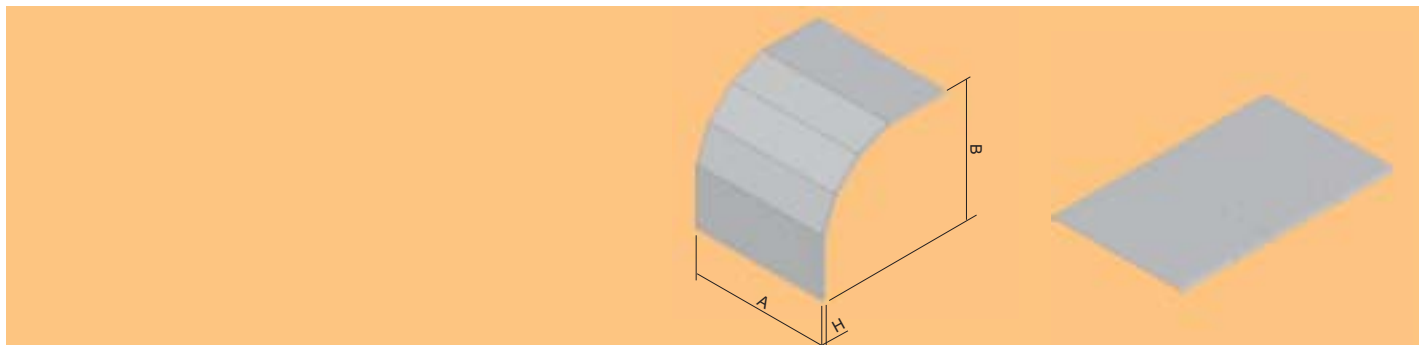


item number	A	H	B	t	U	S	F	EO	EC	P60	P100
VKR 50	50	12	450	0,6	1	8595057637993	⊕	⊕	⊕	⊕	⊕
VKR 75	75	12	475	0,6	1	8595057638006	⊕	⊕	⊕	⊕	⊕
VKR 100	100	12	500	0,6	1	8595057638013	⊕	⊕	⊕	⊕	⊕
VKR 150	150	12	550	0,6	1	8595057638020	⊕	⊕	⊕	⊕	⊕
VKR 200	200	12	600	0,8	1	8595057638037	⊕	⊕	⊕	⊕	⊕
VKR 300	300	12	700	1,0	1	8595057638051	⊕	⊕	⊕	⊕	⊕
VKR 400	400	15	800	1,0	1	8595057638068	⊕	⊕	⊕	⊕	⊕
VKR 500	500	15	900	1,0	1	8595057638075	⊕	⊕	⊕	⊕	⊕
VKR 600	600	15	1000	1,0	1	8595057638082	⊕	⊕	⊕	⊕	⊕

To fix the cover use 8 pcs of cover fixtures VU (page 8).



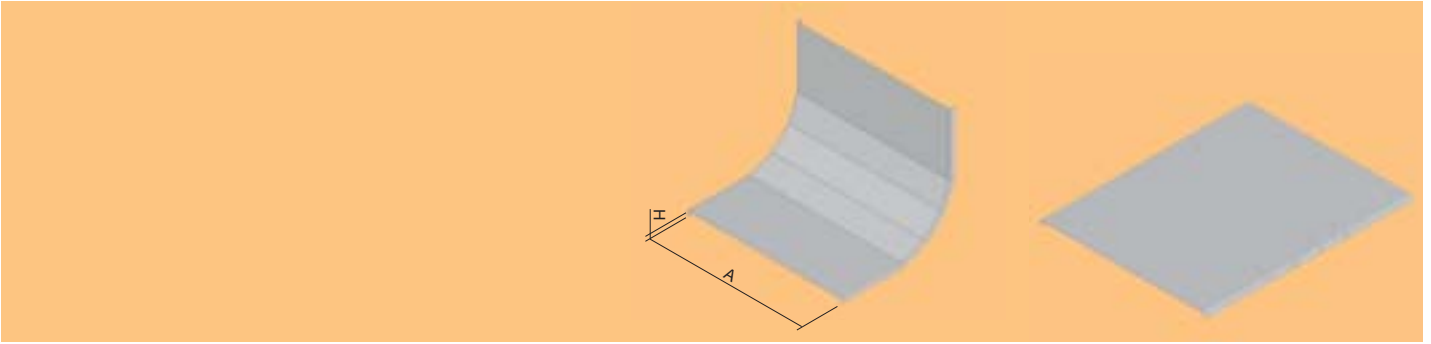
low elbow 90° cover



item number	A	H	B	t	⊕	S	F	EO	EC	P60	P100
VKO 90X35X50	50	12	255	0,6	1	8595057637030	⊕	⊕	⊕	⊕	⊕
VKO 90X35X75	75	12	255	0,6	1	8595057637139	⊕	⊕	⊕	⊕	⊕
VKO 90X35X100	100	12	255	0,6	1	8595057637146	⊕	⊕	⊕	⊕	⊕
VKO 90X35X150	150	12	255	0,6	1	8595057637153	⊕	⊕	⊕	⊕	⊕
VKO 90X35X200	200	12	255	0,8	1	8595057637160	⊕	⊕	⊕	⊕	⊕
VKO 90X35X300	300	12	255	1,0	1	8595057637184	⊕	⊕	⊕	⊕	⊕
VKO 90X35X400	400	15	255	1,0	1	8595057637191	⊕	⊕	⊕	⊕	⊕
VKO 90X35X500	500	15	255	1,0	1	8595057637207	⊕	⊕	⊕	⊕	⊕
VKO 90X35X600	600	15	255	1,0	1	8595057637214	⊕	⊕	⊕	⊕	⊕
VKO 90X42X50	50	11	269	0,6	1	8595057694279	⊕	⊕	⊕	⊕	⊕
VKO 90X42X100	100	11	269	0,6	1	8595057694286	⊕	⊕	⊕	⊕	⊕
VKO 90X42X150	150	11	269	0,6	1	8595057694293	⊕	⊕	⊕	⊕	⊕
VKO 90X42X200	200	11	269	0,8	1	8595057694309	⊕	⊕	⊕	⊕	⊕
VKO 90X42X300	300	11	269	1,0	1	8595057694316	⊕	⊕	⊕	⊕	⊕
VKO 90X42X400	400	11	269	1,0	1	8595057694323	⊕	⊕	⊕	⊕	⊕
VKO 90X42X500	500	11	269	1,0	1	8595057694330	⊕	⊕	⊕	⊕	⊕
VKO 90X42X600	600	11	269	1,0	1	8595057694347	⊕	⊕	⊕	⊕	⊕
VKO 90X60X50	50	12	305	0,6	1	8595057637221	⊕	⊕	⊕	⊕	⊕
VKO 90X60X75	75	12	305	0,6	1	8595057629608	⊕	⊕	⊕	⊕	⊕
VKO 90X60X100	100	12	305	0,6	1	8595057629837	⊕	⊕	⊕	⊕	⊕
VKO 90X60X150	150	12	305	0,6	1	8595057630888	⊕	⊕	⊕	⊕	⊕
VKO 90X60X200	200	12	305	0,8	1	8595057629844	⊕	⊕	⊕	⊕	⊕
VKO 90X60X300	300	12	305	1,0	1	8595057629547	⊕	⊕	⊕	⊕	⊕
VKO 90X60X400	400	15	305	1,0	1	8595057636613	⊕	⊕	⊕	⊕	⊕
VKO 90X60X500	500	15	305	1,0	1	8595057637047	⊕	⊕	⊕	⊕	⊕
VKO 90X60X600	600	15	305	1,0	1	8595057637054	⊕	⊕	⊕	⊕	⊕
VKO 90X85X100	100	12	355	0,6	1	8595057630116	⊕	⊕	⊕	⊕	⊕
VKO 90X85X150	150	12	355	0,6	1	8595057630123	⊕	⊕	⊕	⊕	⊕
VKO 90X85X200	200	12	355	0,8	1	8595057630130	⊕	⊕	⊕	⊕	⊕
VKO 90X85X300	300	12	355	1,0	1	8595057630154	⊕	⊕	⊕	⊕	⊕
VKO 90X85X400	400	15	355	1,0	1	8595057629486	⊕	⊕	⊕	⊕	⊕
VKO 90X85X500	500	15	355	1,0	1	8595057637061	⊕	⊕	⊕	⊕	⊕
VKO 90X85X600	600	15	355	1,0	1	8595057637078	⊕	⊕	⊕	⊕	⊕
VKO 90X110X150	150	12	405	0,6	1	8595057633681	⊕	⊕	⊕	⊕	⊕
VKO 90X110X200	200	12	405	0,8	1	8595057637085	⊕	⊕	⊕	⊕	⊕
VKO 90X110X300	300	12	405	1,0	1	8595057633278	⊕	⊕	⊕	⊕	⊕
VKO 90X110X400	400	15	405	1,0	1	8595057637108	⊕	⊕	⊕	⊕	⊕
VKO 90X110X500	500	15	405	1,0	1	8595057633261	⊕	⊕	⊕	⊕	⊕
VKO 90X110X600	600	15	405	1,0	1	8595057637115	⊕	⊕	⊕	⊕	⊕

To fix the cover use 4 pcs of cover fixitres VU (page 8).

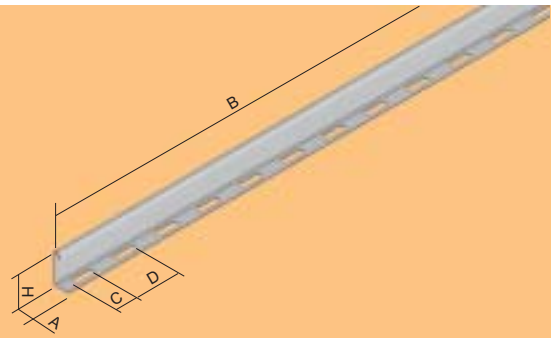
## rising elbow 90° cover



item number	A	H	t	U	S	F	EO	EC	P60	P100
VSO 90X50	50	12	0,6	1	8595057637016	⊕	⊕	⊕	⊕	⊕
VSO 90X75	75	12	0,6	1	8595057629615	⊕	⊕	⊕	⊕	⊕
VSO 90X100	100	12	0,6	1	8595057629851	⊕	⊕	⊕	⊕	⊕
VSO 90X150	150	12	0,6	1	8595057630048	⊕	⊕	⊕	⊕	⊕
VSO 90X200	200	12	0,8	1	8595057629868	⊕	⊕	⊕	⊕	⊕
VSO 90X300	300	12	1,0	1	8595057629554	⊕	⊕	⊕	⊕	⊕
VSO 90X400	400	15	1,0	1	8595057629462	⊕	⊕	⊕	⊕	⊕
VSO 90X500	500	15	1,0	1	8595057633230	⊕	⊕	⊕	⊕	⊕
VSO 90X600	600	15	1,0	1	8595057637023	⊕	⊕	⊕	⊕	⊕

To fix the cover use 4 pcs of cover fixtures VU (page 8).

## cross-piece

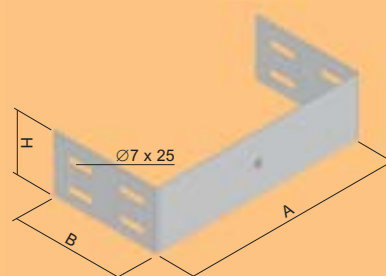


item number	H	A	B	C	D	t	U	S	F	EO	P60	P100
P 35	29	17,5	3000	∅7 x 25	50	0,8	3	8595057639515	⊕	⊕	⊕	⊕
P 42	36	17,5	3000	∅7 x 25	50	0,8	3	8595057691704	⊕	⊕	⊕	⊕
P 60	54	17,5	3000	∅7 x 25	50	0,8	3	8595057627734	⊕	⊕	⊕	⊕
P 85	79	17,5	3000	∅7 x 25	50	0,8	3	8595057633414	⊕	⊕	⊕	⊕
P 110	104	17,5	3000	∅7 x 25	50	0,8	3	8595057633407	⊕	⊕	⊕	⊕

The connection is performed using the bolts NSM 6X10 (page 37), 2 pcs per 1 meter.



end-piece

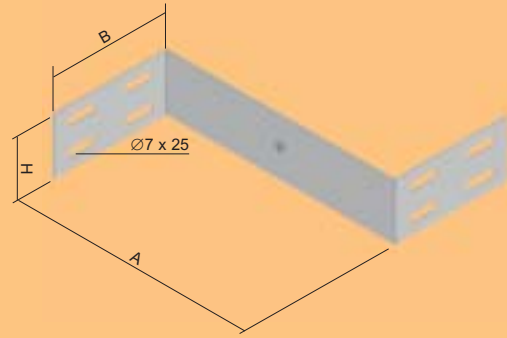


item number	H	A	B	t	±f	U	S	F	EC	P60	P100
K 35X50	35	50	100	1,0	2	1	8595057633520	⊕	⊕	⊕	⊕
K 35X75	35	75	100	1,0	2	1	8595057638143	⊕	⊕	⊕	⊕
K 35X100	35	100	100	1,0	2	1	8595057638150	⊕	⊕	⊕	⊕
K 35X150	35	150	100	1,0	2	1	8595057638167	⊕	⊕	⊕	⊕
K 35X200	35	200	100	1,0	2	1	8595057638174	⊕	⊕	⊕	⊕
K 35X300	35	300	100	1,0	2	1	8595057638198	⊕	⊕	⊕	⊕
K 35X400	35	400	100	1,0	2	1	8595057638204	⊕	⊕	⊕	⊕
K 35X500	35	500	100	1,0	2	1	8595057638211	⊕	⊕	⊕	⊕
K 35X600	35	600	100	1,0	2	1	8595057638228	⊕	⊕	⊕	⊕
K 42X50	42	50	100	1,0	2	1	8595057694354	⊕	⊕	⊕	⊕
K 42X100	42	100	100	1,0	2	1	8595057694361	⊕	⊕	⊕	⊕
K 42X150	42	150	100	1,0	2	1	8595057694378	⊕	⊕	⊕	⊕
K 42X200	42	200	100	1,0	2	1	8595057694385	⊕	⊕	⊕	⊕
K 42X300	42	300	100	1,0	2	1	8595057694392	⊕	⊕	⊕	⊕
K 42X400	42	400	100	1,0	2	1	8595057694408	⊕	⊕	⊕	⊕
K 42X500	42	500	100	1,0	2	1	8595057694415	⊕	⊕	⊕	⊕
K 42X600	42	600	100	1,0	2	1	8595057694422	⊕	⊕	⊕	⊕
K 60X50	60	50	100	1,0	4	1	8595057638235	⊕	⊕	⊕	⊕
K 60X75	60	75	100	1,0	4	1	8595057635470	⊕	⊕	⊕	⊕
K 60X100	60	100	100	1,0	4	1	8595057629974	⊕	⊕	⊕	⊕
K 60X150	60	150	100	1,0	4	1	8595057629981	⊕	⊕	⊕	⊕
K 60X200	60	200	100	1,0	4	1	8595057629998	⊕	⊕	⊕	⊕
K 60X300	60	300	100	1,0	4	1	8595057629639	⊕	⊕	⊕	⊕
K 60X400	60	400	100	1,0	4	1	8595057630017	⊕	⊕	⊕	⊕
K 60X500	60	500	100	1,0	4	1	8595057636453	⊕	⊕	⊕	⊕
K 60X600	60	600	100	1,0	4	1	8595057638242	⊕	⊕	⊕	⊕
K 85X100	85	100	100	1,0	4	1	8595057630383	⊕	⊕	⊕	⊕
K 85X150	85	150	100	1,0	4	1	8595057629943	⊕	⊕	⊕	⊕
K 85X200	85	200	100	1,0	4	1	8595057629417	⊕	⊕	⊕	⊕
K 85X300	85	300	100	1,0	4	1	8595057629967	⊕	⊕	⊕	⊕
K 85X400	85	400	100	1,0	4	1	8595057629387	⊕	⊕	⊕	⊕
K 85X500	85	500	100	1,0	4	1	8595057638259	⊕	⊕	⊕	⊕
K 85X600	85	600	100	1,0	4	1	8595057638266	⊕	⊕	⊕	⊕
K 110X150	110	150	100	1,0	4	1	8595057633742	⊕	⊕	⊕	⊕
K 110X200	110	200	100	1,0	4	1	8595057638273	⊕	⊕	⊕	⊕
K 110X300	110	300	100	1,0	4	1	8595057633735	⊕	⊕	⊕	⊕
K 110X400	110	400	100	1,0	4	1	8595057638297	⊕	⊕	⊕	⊕
K 110X500	110	500	100	1,0	4	1	8595057633728	⊕	⊕	⊕	⊕
K 110X600	110	600	100	1,0	4	1	8595057638303	⊕	⊕	⊕	⊕

The connection is performed using the bolts NSM 6X10 (page 37).



## reduction coupling



item number	H	A	B	↑	↑↑	⊕	S	F	EC	P60	P100
SR 35X25	35	25	100	1,0	4	1	8595057638310	⊕	⊕	⊕	⊕
SR 35X50	35	50	100	1,0	4	1	8595057638327	⊕	⊕	⊕	⊕
SR 35X75	35	75	100	1,0	4	1	8595057638334	⊕	⊕	⊕	⊕
SR 35X100	35	100	100	1,0	4	1	8595057638341	⊕	⊕	⊕	⊕
SR 35X125	35	125	100	1,0	4	1	8595057638358	⊕	⊕	⊕	⊕
SR 35X150	35	150	100	1,0	4	1	8595057638365	⊕	⊕	⊕	⊕
SR 35X200	35	200	100	1,0	4	1	8595057638372	⊕	⊕	⊕	⊕
SR 35X250	35	250	100	1,0	4	1	8595057638389	⊕	⊕	⊕	⊕
SR 35X300	35	300	100	1,0	4	1	8595057638396	⊕	⊕	⊕	⊕
SR 35X350	35	350	100	1,0	4	1	8595057638402	⊕	⊕	⊕	⊕
SR 35X400	35	400	100	1,0	4	1	8595057638419	⊕	⊕	⊕	⊕
SR 42X50	42	50	100	1,0	4	1	8595057694439	⊕	⊕	⊕	⊕
SR 42X100	42	100	100	1,0	4	1	8595057694446	⊕	⊕	⊕	⊕
SR 42X150	42	150	100	1,0	4	1	8595057694453	⊕	⊕	⊕	⊕
SR 42X200	42	200	100	1,0	4	1	8595057694460	⊕	⊕	⊕	⊕
SR 42X250	42	250	100	1,0	4	1	8595057694477	⊕	⊕	⊕	⊕
SR 42X300	42	300	100	1,0	4	1	8595057694484	⊕	⊕	⊕	⊕
SR 42X350	42	350	100	1,0	4	1	8595057694491	⊕	⊕	⊕	⊕
SR 42X400	42	400	100	1,0	4	1	8595057694507	⊕	⊕	⊕	⊕
SR 60X25	60	25	100	1,0	4	1	8595057638426	⊕	⊕	⊕	⊕
SR 60X50	60	50	100	1,0	4	1	8595057633582	⊕	⊕	⊕	⊕
SR 60X75	60	75	100	1,0	4	1	8595057638433	⊕	⊕	⊕	⊕
SR 60X100	60	100	100	1,0	4	1	8595057631755	⊕	⊕	⊕	⊕
SR 60X125	60	125	100	1,0	4	1	8595057638440	⊕	⊕	⊕	⊕
SR 60X150	60	150	100	1,0	4	1	8595057638457	⊕	⊕	⊕	⊕
SR 60X200	60	200	100	1,0	4	1	8595057638464	⊕	⊕	⊕	⊕
SR 60X250	60	250	100	1,0	4	1	8595057638471	⊕	⊕	⊕	⊕
SR 60X300	60	300	100	1,0	4	1	8595057638488	⊕	⊕	⊕	⊕
SR 60X350	60	350	100	1,0	4	1	8595057638495	⊕	⊕	⊕	⊕
SR 60X400	60	400	100	1,0	4	1	8595057638501	⊕	⊕	⊕	⊕
SR 85X25	85	25	100	1,0	8	1	8595057638518	⊕	⊕	⊕	⊕
SR 85X50	85	50	100	1,0	8	1	8595057633377	⊕	⊕	⊕	⊕
SR 85X75	85	75	100	1,0	8	1	8595057638525	⊕	⊕	⊕	⊕
SR 85X100	85	100	100	1,0	8	1	8595057630376	⊕	⊕	⊕	⊕
SR 85X125	85	125	100	1,0	8	1	8595057638532	⊕	⊕	⊕	⊕
SR 85X150	85	150	100	1,0	8	1	8595057638549	⊕	⊕	⊕	⊕
SR 85X200	85	200	100	1,0	8	1	8595057638556	⊕	⊕	⊕	⊕
SR 85X250	85	250	100	1,0	8	1	8595057638563	⊕	⊕	⊕	⊕
SR 85X300	85	300	100	1,0	8	1	8595057638570	⊕	⊕	⊕	⊕
SR 85X350	85	350	100	1,0	8	1	8595057638594	⊕	⊕	⊕	⊕
SR 85X400	85	400	100	1,0	8	1	8595057638587	⊕	⊕	⊕	⊕
SR 110X25	110	25	100	1,0	8	1	8595057638600	⊕	⊕	⊕	⊕
SR 110X50	110	50	100	1,0	8	1	8595057632820	⊕	⊕	⊕	⊕
SR 110X75	110	75	100	1,0	8	1	8595057638617	⊕	⊕	⊕	⊕
SR 110X100	110	100	100	1,0	8	1	8595057633360	⊕	⊕	⊕	⊕
SR 110X125	110	125	100	1,0	8	1	8595057638624	⊕	⊕	⊕	⊕
SR 110X150	110	150	100	1,0	8	1	8595057633766	⊕	⊕	⊕	⊕
SR 110X200	110	200	100	1,0	8	1	8595057633759	⊕	⊕	⊕	⊕
SR 110X250	110	250	100	1,0	8	1	8595057638631	⊕	⊕	⊕	⊕
SR 110X300	110	300	100	1,0	8	1	8595057638648	⊕	⊕	⊕	⊕
SR 110X350	110	350	100	1,0	8	1	8595057638655	⊕	⊕	⊕	⊕
SR 110X400	110	400	100	1,0	8	1	8595057638662	⊕	⊕	⊕	⊕

The fastening of the joint is performed with the bolts NSM 6X10 (page 37).

↑ thickness of metal sheet    ⊕ pieces in a package  
 ↑↑ amount of bolts for connection    ⊕ to order

S Pre-Galvanized

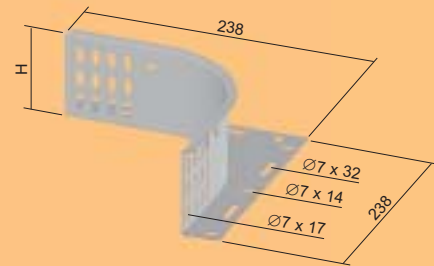
F Hot Dip Galvanized

EC coating, epoxy, total

P60 coating, polyester, 60 µm

P100 coating, polyester, 100 µm

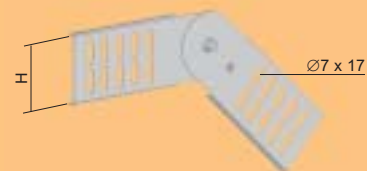
## universal coupling



item number	H	↑	↓	↺	↻	S	F	EC	P60	P100
SU 35	35	1,0	4	1		8595057638129	⊕	⊕	⊕	⊕
SU 42	42	1,0	4	1		8595057692756	⊕	⊕	⊕	⊕
SU 60	60	1,0	4	1		8595057628380	⊕	⊕	⊕	⊕
SU 85	85	1,0	8	1		8595057630390	⊕	⊕	⊕	⊕
SU 110	110	1,0	8	1		8595057633391	⊕	⊕	⊕	⊕

Two pieces for one branching are used for additional diverting of cables from the cable route instead of a T-piece. The connection is performed using the bolts NSM 6X10 (page 37).

## hinged joint

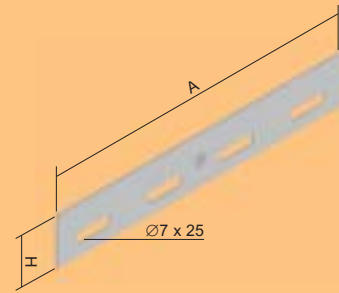


item number	H	↑	↓	↺	↻	S	F	EC	P60	P100
SK 35	35	0,8	4	1		8595057638136	⊕	⊕	⊕	⊕
SK 42	42	0,8	4	1		8595057691087	⊕	⊕	⊕	⊕
SK 60	60	0,8	4	1		8595057627772	⊕	⊕	⊕	⊕
SK 85	85	1,2	8	1		8595057630413	⊕	⊕	⊕	⊕
SK 110	110	1,2	8	1		8595057633384	⊕	⊕	⊕	⊕

For the connection of the hinged joint to the tray there are used the bolts NSM 6X10 (page 37). The joint is delivered in 1 piece per packing.



## coupling

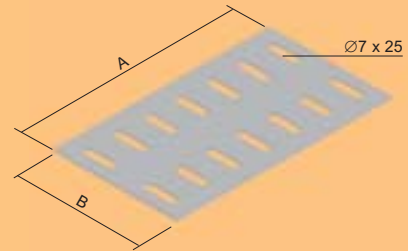


item number	H	A	↑	↓	↻	S	F	EC	P60	P100
S 35X200	25	200	1,25	4	1	8595057630444	⊕	⊕	⊕	⊕
S 42X200	32	200	1,25	4	1	8595057691094	⊕	⊕	⊕	⊕
S 60X200	50	200	1,25	8	1	8595057627796	⊕	⊕	⊕	⊕
S 85X200	75	200	1,25	12	1	8595057629769	⊕	⊕	⊕	⊕
S 110X200	100	200	1,25	16	1	8595057629752	⊕	⊕	⊕	⊕

Is used for connection of trays, the connection is performed using the bolts NSM 6X10 (page 37).



## reinforcement plate



item number	A	B	↑	↓	↻	S	F	EC	P60	P100
DV 50	42	100	1,5	4	1	8595057638679	⊕	⊕	⊕	⊕
DV 75	68	100	1,5	4	1	8595057638686	⊕	⊕	⊕	⊕
DV 100	75	100	1,5	4	1	8595057638693	⊕	⊕	⊕	⊕
DV 150	125	100	1,5	4	1	8595057633780	⊕	⊕	⊕	⊕
DV 200	175	100	1,5	4	1	8595057638709	⊕	⊕	⊕	⊕
DV 300	275	100	1,5	8	1	8595057633773	⊕	⊕	⊕	⊕
DV 400	375	100	1,5	8	1	8595057638723	⊕	⊕	⊕	⊕
DV 500	475	100	1,5	8	1	8595057638846	⊕	⊕	⊕	⊕
DV 600	575	100	1,5	8	1	8595057638853	⊕	⊕	⊕	⊕

Is used for reinforcing the tray connections.  
It is fastened by the bolts NSM 6X10 (page 37) to the tray bottom.



clamp

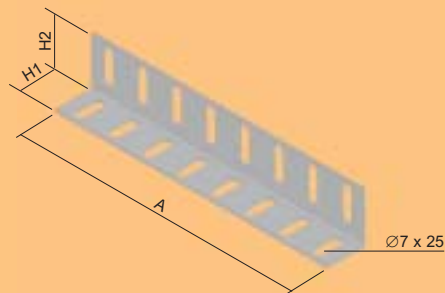


item number	☺	GMT
<b>KSV</b>	100	8595057627765

Is used for securing the connection of cable trays or the attaching of the mounting plate MDS.



supporting corner

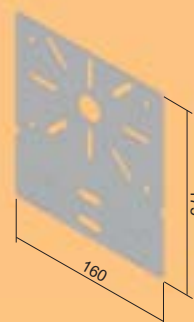


item number	H1	H2	A	t	☒	☺	S	F	EC	P60	P100
<b>UP 35X42</b>	25	37	200	1,25	4	1	8595057638099	☺	☺	☺	☺
<b>UP 60X85</b>	42,5	60	200	1,25	4	1	8595057638105	☺	☺	☺	☺
<b>UP 110</b>	46	94	200	1,25	4	1	8595057638112	☺	☺	☺	☺

Designated for the increase of the stability of the cable tray. It is fastened by the bolt NSM 6X10 (page 37).



mounting plate



item number	t	☺	S	F	EC	P60	P100
<b>MDS</b>	1,00	1	8595057631762	☺	☺	☺	☺

For mounting distribution boxes to the cable trays up to a sidewall height of 60 mm. It is slid onto the sidewall of the cable tray and is fixed by using clamps KSV (page 23).



fixation clamp

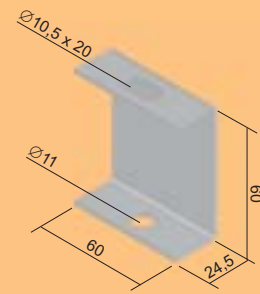


item number	‡	⌚	used with	ZNCR
US 1	0,14	50	ZT 8	8595057632691
US 2	0,15	50	ZT 10	8595057629912
US 3	0,21	50	ZT 12	8595057639577

Fixation clamp is used for the I-profiles placed horizontally and also under a certain slant angle. Fixation clamp is delivered with a fastening bolt and a lock nut.



ceiling bracket



item number	‡	⌚	S	F
DSZT	0,10	48	8595057633483	🕒

Used together with a threaded rod ZT 8 or ZT 10.



adjustable ceiling bracket



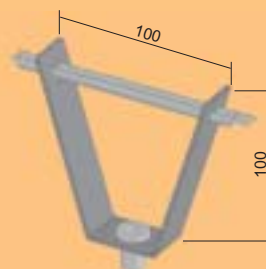
item number	‡	⌚	S	F
DSS	0,14	48	8595057633599	🕒

Used together with a threaded rod ZT 8 or ZT 10. Ideal for a slight roof construction slant.





bracket for trapeze ceilings

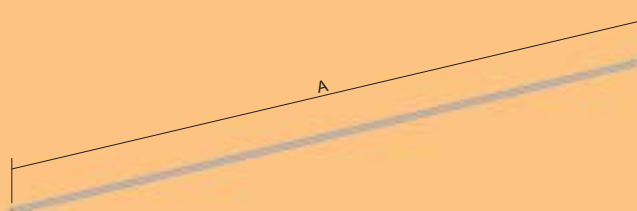


item number	‡	⌚	S	F
DSOS	0,20	48	8595057632318	

For fastening into steel roof construction. The DSOS includes a hang nut M8 for direct assembly of the threaded rod ZT 8. When using the threaded rod ZT 10 or ZT 12 it is necessary to remove the hang nut and to use nuts and bolts (not part of the delivery).



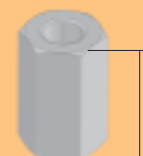
threaded rod



item number	∅	A	‡	⌚	ZNCR
ZT 6	M 6	2000	0,17	50	8595057633490
ZT 8	M 8	2000	0,31	20	8595057631793
ZT 10	M 10	2000	0,46	20	8595057628922
ZT 12	M 12	2000	0,70	10	8595057639591



hang nut

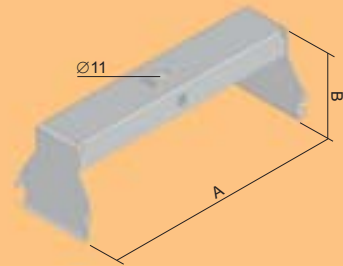


item number	∅	A	‡	⌚	ZNCR
MZ 6	M 6	18	0,01	48	8595057633506
MZ 8	M 8	24	0,02	48	8595057633513
MZ 10	M 10	28	0,04	48	8595057629929
MZ 12	M 12	40	0,06	48	8595057639584

Used for the connection of two threaded rods.



outer hanger

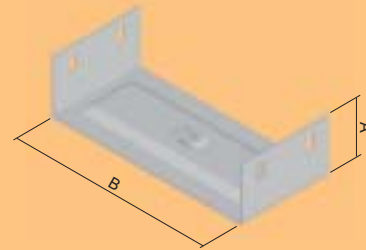


item number	A	B	‡	⊜	S	F
ZVNE 50	50	65	0,10	12	8595057628786	⊕
ZVNE 75	75	65	0,13	12	8595057628793	⊕
ZVNE 100	100	65	0,14	12	8595057628809	⊕
ZVNE 150	150	65	0,19	12	8595057628816	⊕
ZVNE 200	200	65	0,22	12	8595057628823	⊕
ZVNE 300	300	65	0,31	6	8595057639553	⊕
ZVNE 400	400	65	0,39	6	8595057639560	⊕

The maximum load is 90 kg. It is mounted using the threaded rod ZT 8 or ZT 10.



inner hanger

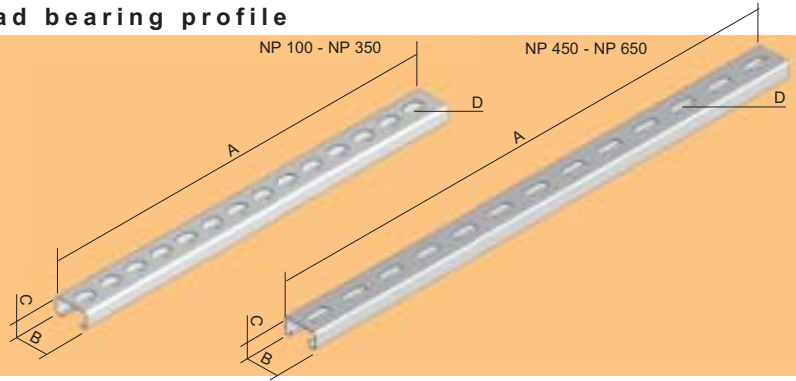


item number	A	B	‡	⊜	S	F
ZVNI 35X75	35	75	0,15	12	8595057639607	⊕
ZVNI 35X100	35	100	0,19	12	8595057632325	⊕
ZVNI 35X150	35	150	0,24	12	8595057639614	⊕
ZVNI 35X200	35	200	0,29	12	8595057639621	⊕
ZVNI 35X300	35	300	0,36	12	8595057632332	⊕
ZVNI 35X400	35	400	0,52	12	8595057639645	⊕
ZVNI 60X75	60	75	0,22	12	8595057628878	⊕
ZVNI 60X100	60	100	0,23	12	8595057628885	⊕
ZVNI 60X150	60	150	0,30	12	8595057628892	⊕
ZVNI 60X200	60	200	0,36	12	8595057628908	⊕
ZVNI 60X250	60	250	0,42	12	8595057639652	⊕
ZVNI 60X300	60	300	0,47	12	8595057628915	⊕
ZVNI 60X400	60	400	0,58	12	8595057639669	⊕

The maximum load is 90 kg. It is mounted using the threaded rod ZT 8 or ZT 10. Delivered with the nut M 10.



load bearing profile



item number	A	B	C	D	±	‡	⊚	S	F
NP 100	100	30	15	∅7 x 25	100	0,06	12	8595057639768	⊕
NP 150	150	30	15	∅7 x 25	100	0,08	12	8595057639775	⊕
NP 200	200	30	15	∅7 x 25	100	0,11	12	8595057639782	⊕
NP 250	250	30	15	∅7 x 25	100	0,13	12	8595057639799	⊕
NP 350	350	30	15	∅7 x 25	100	0,19	6	8595057630864	⊕
NP 450	450	41,5	21	∅13,5 x 28,5	150	0,50	6	8595057639812	⊕
NP 550	550	41,5	21	∅13,5 x 28,5	150	0,56	6	8595057639829	⊕
NP 650	650	41,5	21	∅13,5 x 28,5	150	0,70	6	8595057639836	⊕

The load bearing profile NP 100 to NP 350 is fixed by using two threaded rods ZT 8 + nut M 8 + washer PVL 8.  
 The load bearing profile NP 450 to NP 650 is fixed by using two threaded rods ZT 10 + nut M 10 + washer PVL 10.  
 The size of the load bearing profile is determined according to the width of the cable tray + 50 mm, for example for a cable tray that is 100 mm wide, order NP 150.



reinforcement piece for LTS and CTS profile

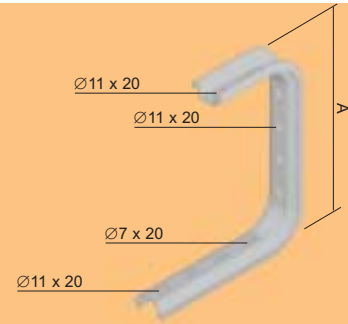


item number	‡	⊚	S
STS	0,06	48	8595057639751

For assembly on to a wall 1 piece, for double assembly 2 pieces back to back.



hang clamp

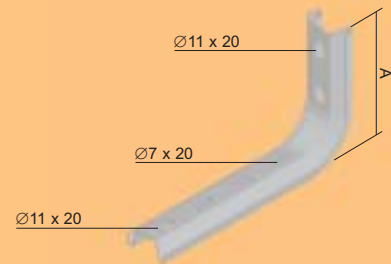


item number	A	±	‡	⊕	S
CTS 100	290	70	0,52	12	8595057629592
CTS 150	290	60	0,56	12	8595057639676
CTS 200	290	60	0,62	12	8595057630222
CTS 300	290	50	0,82	6	8595057630239
CTS 400	290	40	0,93	6	8595057629530

Designated for direct mounting to the ceiling or with a threaded rod ZT 8 or ZT 10. The cable tray is fixed by using the bolts S 6X20 M. To eliminate deformation during assembly the STS reinforcement is designated.



bracket

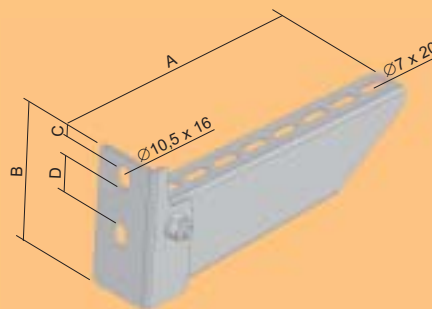


item number	A	±	‡	⊕	S
LTS 100	150	110	0,30	12	8595057639690
LTS 150	150	100	0,32	12	8595057639706
LTS 200	150	90	0,34	12	8595057639713
LTS 300	150	70	0,49	6	8595057630840
LTS 400	150	50	0,54	6	8595057634091
LTS 500	150	40	0,77	6	8595057639737
LTS 600	150	30	0,77	6	8595057639744

The cable tray is fixed by using the bolts S 6X20 M. Brackets LTS 400 - LTS 600 can be used as ceiling profiles. To eliminate deformation during assembly the STS reinforcement is designated.



bracket – medium

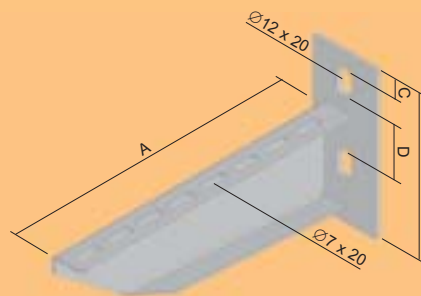


item number	A	B	C	D	±	‡	⊚	S
DS 100	100	99	7	25	110	0,24	24	8595057632080
DS 150	150	99	7	25	110	0,33	24	8595057633834
DS 200	200	99	7	25	120	0,38	24	8595057632585
DS 300	300	119	7	45	130	0,63	12	8595057628434
DS 400	400	119	7	45	130	0,76	12	8595057628441
DS 500	500	139	7	65	140	1,00	6	8595057628458
DS 600	600	139	7	65	150	1,23	6	8595057636439

For assembly to the ceiling profile SPL and SPS there are used the sliding nuts PM 41 M 10 together with the bolts S 10X20 (2 pcs).



bracket – heavy

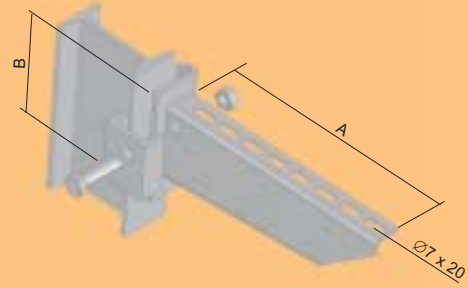


item number	A	B	C	D	±	‡	⊚	F
DT 100	100	106,5	10	44,5	120	0,30	24	8595057631786
DT 150	150	112	10	52	230	0,36	24	8595057632592
DT 200	200	116	10	56	340	0,43	24	8595057631779
DT 250	250	120,5	10	60,5	450	0,53	12	8595057636996
DT 300	300	125	10	65	320	0,73	12	8595057628519
DT 400	400	134	10	74	430	0,88	12	8595057628526
DT 500	500	142,5	10	82,5	390	1,30	1	8595057628533
DT 600	600	150	10	90	350	1,60	1	8595057628540
DT 800	800	150	10	90	280	1,90	2	8595057639904
DT 1000	1000	150	10	90	200	2,40	1	8595057639911

For assembly to the ceiling profile SPL and SPS there are used the sliding nuts PM 41 M 10 together with the bolts S 10X20 (2 pcs).



clamp bracket – heavy

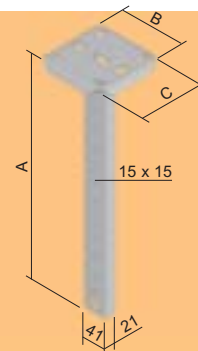


item number	A	B	±	‡	⊂	F
DRT 100	100	100	300	0,30	24	8595057635296
DRT 150	150	100	310	0,37	24	8595057635302
DRT 200	200	100	330	0,50	24	8595057639928
DRT 250	250	100	340	0,46	12	8595057639935
DRT 300	300	100	360	0,69	12	8595057639942
DRT 400	400	110	370	0,85	12	8595057639959
DRT 500	500	117	380	1,35	6	8595057639966
DRT 600	600	125	410	1,55	6	8595057639973
DRT 800	800	125	370	1,80	2	8595057639980
DRT 1000	1000	135	330	2,30	2	8595057639997

Only for assembly onto the ceiling profile SPT.  
Clamp plate, nut and bolt S 8X20 are attached.



ceiling profile – light

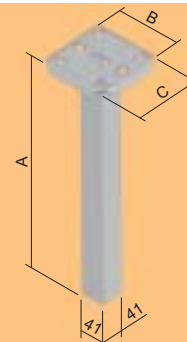


item number	A	B	C	±	⊂	F	XX
SPL 200	210	120	120	0,74	1	8595057628557	
SPL 300	300	120	120	0,85	1	8595057632097	
SPL 400	418	120	120	1,01	1	8595057628564	
SPL 500	508	120	120	1,13	1	8595057635067	
SPL 600	599	120	120	1,23	1	8595057628571	
SPL 800	808	120	120	1,45	1	8595057634978	
SPL 1000	1016	120	120	1,75	1	8595057640061	
SPL 1200	1196	120	120	1,95	1	8595057640078	
OKSPL				0,01	12		85950576400870

Designated for one sided fastening of the brackets DS and DT with the use of sliding nut PM 41 M 10 and the bolt with a hexagonal head S 10X20.  
OKSPL – yellow protective cover made from PVC.



ceiling profile – medium

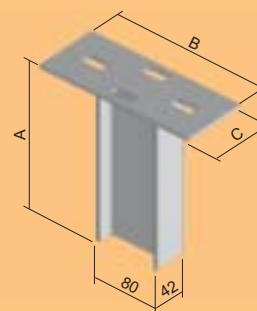


item number	A	B	C	‡	Ⓢ	F	XX
SPS 200	200	120	120	1,03	1	8595057640139	
SPS 300	300	120	120	1,33	1	8595057633452	
SPS 400	400	120	120	1,60	1	8595057628618	
SPS 500	500	120	120	1,90	1	8595057640146	
SPS 600	600	120	120	2,15	1	8595057628625	
SPS 800	800	120	120	2,70	1	8595057628632	
SPS 1000	1000	120	120	3,25	1	8595057628649	
SPS 1200	1200	120	120	3,80	1	8595057640153	
SPS 1500	1500	120	120	4,62	1	8595057640160	
OKSPS				0,01	12		8595057633841

Designated for one sided fastening of the bracket with the use of sliding nut PM 41 M 10 and the bolt with a hexagonal head S 10X20.  
OKSPS - yellow protective cover made from PVC.



ceiling profile – heavy

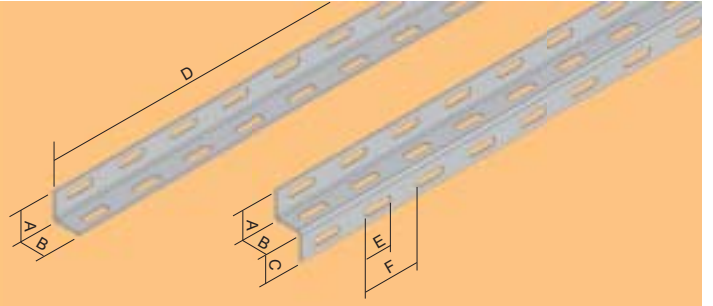


item number	A	B	C	‡	Ⓢ	F	XX
SPT 200	200	200	80	1,80	1	8595057640221	
SPT 400	400	200	80	3,05	1	8595057640238	
SPT 500	500	200	80	3,60	1	8595057640245	
SPT 600	600	200	80	4,20	1	8595057640252	
SPT 800	800	200	80	5,50	1	8595057640269	
SPT 1000	1000	200	80	6,70	1	8595057640276	
SPT 1200	1200	200	80	8,00	1	8595057640283	
SPT 1500	1500	200	80	9,90	1	8595057640290	
SPT 1800	1800	200	80	12,00	1	8595057640306	
SPT 2000	2000	200	80	13,30	1	8595057640313	
OKSPT				0,02	12		8595057650022

Designated for one sided and double sided fastening of the clamp brackets DRT. Used as a bracket for the ceiling or the floor.  
OKSPT - yellow protective cover made from PVC.



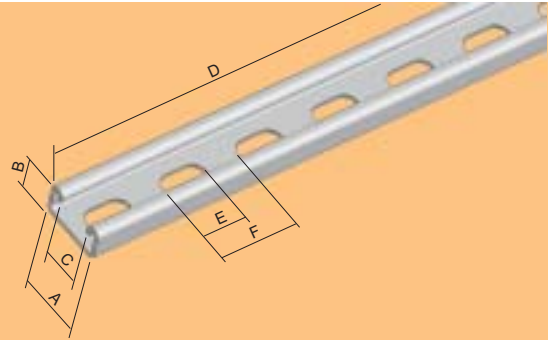
## L-profile and Z-profile



item number	A	B	C	D	E	F	t	±	U	S	F
L 25X1.25	25	25	-	2000	∅7 x 25	50	1,25	0,40	2	8595057631564	⊕
L 25X50X1.25	25	50	-	2000	∅7 x 25	50	1,25	0,82	2	8595057640405	⊕
L 50X50X1.25	50	50	-	2000	∅7 x 25	50	1,25	0,80	2	8595057631571	⊕
Z 25X1.50	25	25	25	2000	∅7 x 25	50	1,50	0,73	2	8595057631540	⊕
Z 50X1.50	50	50	50	2000	∅7 x 25	50	1,50	1,52	2	8595057631540	⊕



## assembly profile

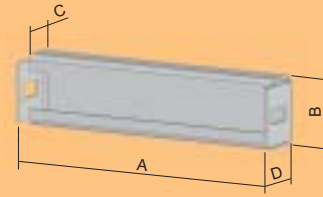


item number	A	B	C	D	E	F	t	±	U	S	F
MP 41X21	41	21	22	6000	∅14 x 28	50	2,5	1,85	6	-	8595057633469
MP 41X21X1.50	41	21	22	3000	∅14 x 28	50	1,5	1,13	3	8595057628939	-
MP 41X41	41	41	22	6000	∅14 x 28	50	2,5	2,70	6	-	8595057632103
MPZ 41X21	41	21	22	6000	∅14 x 28	50	2,5	1,66	6	8595057631533	-
MPZ 41X41	41	41	22	6000	∅14 x 28	50	2,5	2,53	6	8595057631526	-





supporting profile for cable clamps

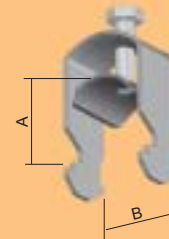


item number	A	B	C	D	‡	⊙	S	F
NPKV 50	47,5	30	15	23	0,04	1	8595057693784	⊕
NPKV 75	72,5	30	15	23	0,05	1	8595057693791	⊕
NPKV 100	97,5	30	15	23	0,07	1	8595057693807	⊕
NPKV 150	147,5	30	15	23	0,10	1	8595057693814	⊕
NPKV 200	197,5	30	15	23	0,13	1	8595057693821	⊕
NPKV 300	297,5	30	15	23	0,19	1	8595057693838	⊕
NPKV 400	397,5	30	15	23	0,25	1	8595057693845	⊕
NPKV 500	497,5	30	15	23	0,32	1	8595057690066	⊕
NPKV 600	597,5	30	15	23	0,38	1	8595057693852	⊕

The supporting profiles is designated for the cable trays. It is installed on the bottom of the cable tray and it is fixed by using two bolts NSM 6X10 (page 37) to the tray side-walls. It is used for mounting of cable clamps and thereby for the anchoring of the cables inside the tray. It finds its use primarily in vertical routes, for the lightening of the cable tension. When using a cover it is necessary to take into account the height of the clamps.



cable clamp for 1 cable

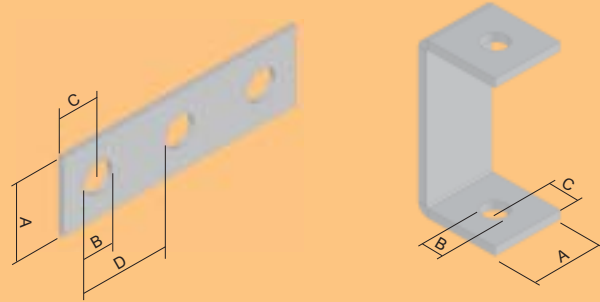


item number	A min	B	‡	⊙	F
PKC1 1198	8	12	0,03	250	8595057644878
PKC1 1199	12	16	0,03	250	8595057644885
PKC1 1200	16	20	0,04	250	8595057642232
PKC1 1201	20	24	0,04	250	8595057642249
PKC1 1202	24	28	0,04	250	8595057635586
PKC1 1203	28	32	0,06	200	8595057635517
PKC1 1204	32	36	0,07	200	8595057635401
PKC1 1205	36	40	0,08	200	8595057635524
PKC1 1206	40	44	0,09	100	8595057644892
PKC1 1207	44	48	0,10	100	8595057644908
PKC1 1208	48	52	0,10	100	8595057635531
PKC1 1209	52	56	0,11	100	8595057635593
PKC1 1210	56	60	0,14	100	8595057644915
PKC1 1211	60	64	0,16	100	8595057644922
PKC1 1212	64	70	0,16	100	8595057635609

The information states the minimum and maximum diameter of the cable being fastened.



## assembly accessories



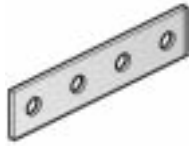
item number	A	B	C	D	‡	‡	⊕	F
VS 41X02	40	∅14	20	45	5	0,19	24	8595057640443
VS 41X03	40	∅14	20	45	5	0,26	24	8595057633070
VS 41X04	40	∅14	20	45	5	0,32	24	8595057634862
VS 41X05	40	∅14	20	45	5	0,13	24	8595057640450
VS 41X06	40	∅14	20	45	5	0,19	24	8595057640467
VS 41X07	40	∅14	20	45	5	0,20	24	8595057640474
VS 41X08	40	∅14	20	45	5	0,26	24	8595057640481
VS 41X09	40	∅14	20	45	5	0,19	24	8595057640498
VS 41X10	40	∅14	20	45	5	0,16	24	8595057640504
VS 41X11	40	∅14	20	45	5	0,26	12	8595057640511
VS 41X12	40	∅14	20	45	5	0,26	12	8595057640528
VS 41X13	40	∅14	20	45	5	0,32	12	8595057640535
VS 41X14	40	∅14	20	45	5	0,46	12	8595057640542
VS 41X16	40	∅14	20	45	5	0,27	12	8595057634985
VS 41X17	40	∅14	20	45	5	0,24	12	8595057640566
VS 41X18	40	∅14	20	45	5	0,21	12	8595057640573
VS 41X19	40	∅14	20	45	5	0,27	12	8595057640580
VS 41X20	40	∅14	20	45	5	0,35	12	8595057640597
VS 41X26	40	∅14	20	45	5	0,36	12	8595057633094
VS 41X27	40	∅14	20	45	5	0,29	12	8595057640610
VS 41X31	40	∅14	20	45	5	0,34	12	8595057633087
VS 41X36	40	∅14	20	45	5	0,21	12	8595057640658
VS 41X37	40	∅14	20	45	5	0,47	12	8595057640665
VS 41X38	40	∅14	20	45	5	0,64	12	8595057633100
VS 41X41	40	∅14	20	45	5	0,37	12	8595057631519
VS 41X42	40	∅14	20	45	5	0,33	12	8595057632349
VS 41X43	40	∅14	20	45	5	0,20	12	8595057630871
VS 41X44	40	∅14	20	45	5	0,11	12	8595057640689
VS 41X45	40	∅14	20	45	5	0,10	12	8595057667570

Designed for use with assembly profiles MP 41X21 and MP 41X41. Fastening is performed using the bolts S 12X20 or S 12X30 and sliding nuts PM 41 M 12. The drawings of the displayed parts identify the basic dimensions, which are the same for all assembly profiles VS.

VS 41X02



VS 41X03



VS 41X04



VS 41X05



VS 41X06



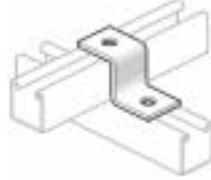
VS 41X07



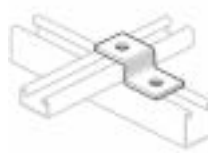
VS 41X08



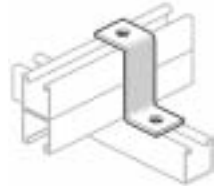
VS 41X09



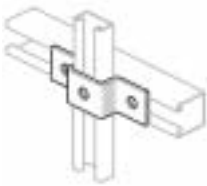
VS 41X10



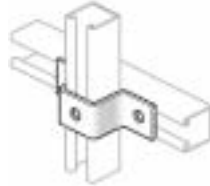
VS 41X11



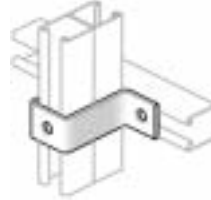
VS 41X12



VS 41X13



VS 41X14



VS 41X16



VS 41X17



VS 41X18



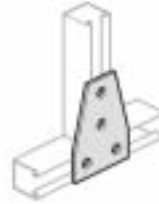
VS 41X19



VS 41X20



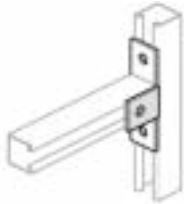
VS 41X26



VS 41X27



VS 41X31



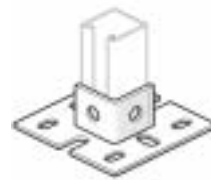
VS 41X36



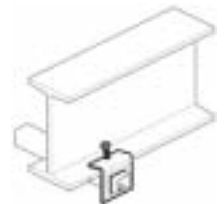
VS 41X37



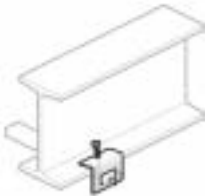
VS 41X38



VS 41X41



VS 41X42



VS 41X43

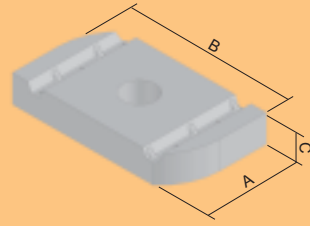


VS 41X44





sliding nut

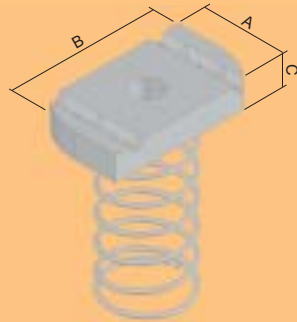


item number	A	B	C	‡	⊂	ZNCR
PM 41 M 8	20	36	6	0,03	100	8595057631502
PM 41 M 10	20	36	6	0,04	100	8595057628717

Used for the attaching of the brackets to the profiles MP 41X21, MP 41X41.



sliding nut with spring



item number	A	B	C	‡	⊂	ZNCR
PMP 41 M 8	20	36	6	0,03	48	8595057630475
PMP 41 M 10	20	36	6	0,04	48	8595057630468

Used for the attaching of the brackets to the profiles MP 41X21, MP 41X41. The spring simplifies the fixation of the nut during assembly.



bolt with a round head and lock nut



item number	‡	⊂	ZNCR
S 6X10 M	0,01	250	8595057627802
S 6X20 M	0,01	250	8595057640825
S 6X50 M	0,02	250	8595057667549
S 8X16 M	0,01	250	8595057667563
S 10X50 M	0,05	250	8595057667556

Used for the securing of conductive connecting.



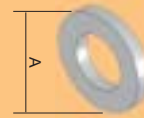
carriage bolt and lock nut



item number	‡	⌚	ZNCR	GMT
<b>NSM 6X10</b>	0,007	100	8595057667129	<b>NSM 6X10-GMT</b> 8595057692947
<b>NSM 8X15</b>	0,019	100; 600	8595057654273	<b>NSM 8X15-GMT</b> 8595057687943



washer



item number	A	‡	⌚	ZNCR
<b>PD 6</b>	12	0,01	250	8595057640832
<b>PD 8</b>	17	0,01	250	8595057633438
<b>PD 10</b>	20	0,01	250	8595057633445
<b>PD 12</b>	24	0,01	250	8595057640849



large washer



item number	A	‡	⌚	ZNCR
<b>PVL 6</b>	18	0,01	250	8595057629523
<b>PVL 8</b>	30	0,01	250	8595057633421
<b>PVL 10</b>	30	0,01	250	8595057633797
<b>PVL 12</b>	37	0,02	250	8595057640856



bolt with hexagonal head



item number	‡	⌚	ZNCR
S 6X20	0,01	250	8595057630451
S 6X30	0,01	250	8595057640733
S 8X20	0,01	250	8595057638822
S 8X30	0,02	250	8595057640740
S 8X40	0,02	250	8595057640757
S 8X50	0,02	250	8595057640764
S 8X70	0,03	250	8595057640771
S 10X20	0,02	250	8595057628724
S 10X30	0,03	250	8595057628731
S 10X40	0,03	250	8595057640788
S 12X20	0,03	250	8595057633124
S 12X30	0,04	250	8595057633131
S 12X40	0,05	250	8595057640795
S 12X50	0,06	250	8595057640801
S 12X60	0,07	250	8595057692589



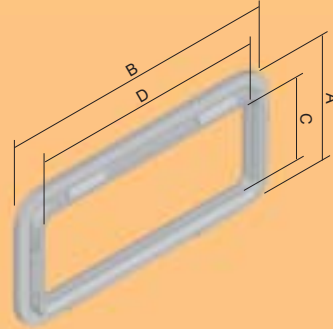
hexagon nut



item number	‡	⌚	ZNCR
M 6	0,01	250	8595057633636
M 8	0,01	250	8595057633643
M 10	0,01	250	8595057630406
M 12	0,02	250	8595057640818



cable tray bushing

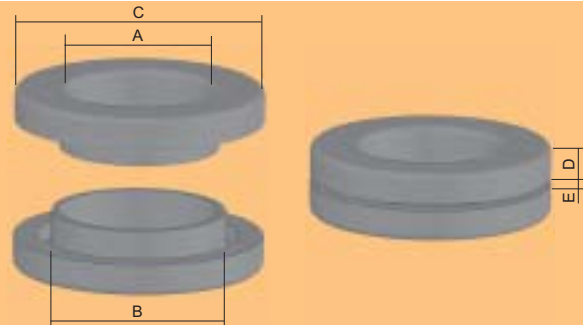


item number	A	B	C	D	‡		
<b>OKKZ 15X75</b>	15	75	8	68	0,043	for trays KZI with sidewall height 35 mm	8595057692558
<b>OKKZ 20X75</b>	20	75	13	68	0,045	for trays KZI with sidewall height 42 mm	8595057692558
<b>OKKZ 32X75</b>	32	75	25	68	0,052	for trays KZI with sidewall height of 60 mm	8595057692565
<b>OKKZ 57X57</b>	57	57	50	50	0,056	for bottom of the cable tray, for trays KZI with a width from 200 mm	8595057692572

Bushings serve for safe leading of cables from the cable tray.



bushing



item number	A	B	C	D	E	‡	⊜	
<b>NKP 9</b>	10	15	24	5	0,5 - 5	0,002	100	8595057689466
<b>NKP 11</b>	12	18,5	26	5	0,5 - 5	0,004	100	8595057689473
<b>NKP 13</b>	16	20	31	6	0,5 - 5	0,006	100	8595057689480
<b>NKP 16</b>	17	22	33	6	0,5 - 5	0,006	100	8595057689497
<b>NKP 21</b>	24	28	40	7	0,5 - 5	0,010	100	8595057689503
<b>NKP 29</b>	31	37	53	7	0,5 - 5	0,018	100	8595057689510

Bushings serve for the safe passing of the cables through the sheet metal. One part of the bushing is inserted from one side into the created opening in the bottom or the sidewall of the tray, the second part is inserted from the second side and gentle pressure is used to press both the parts together and this connects them firmly.



edge protector



item number	‡	
<b>NCH</b>	0,06	8595057669932

The edge protector made from plastic with a steel insert is used to protect the edges of cable trays. Packed in a 10 m length, sold in meters.

‡ kg/pc

⊜ pieces in a package

## technical information

### Standard

Cable trays Jupiter are certified by EZÚ (Electrotechnical Testing Institute) according to standard number ČSN EN 61537:02 Laying cables – cable tray systems and cable ladder systems.

Products comply with the EU requirements.

### Material

Cable trays sheet metal thickness from 0.75 -1.25 (fire resistant systems are made from sheet metal thickness of 1.5 mm)  
 Cable tray covers sheet metal thickness from 0.55 – 1.25  
 Accessories covers sheet metal thickness from 0.6 – 1.0 mm

### Surface finish

Basic design made from zinc-coated sheet metal with Sendzimir surface treatment.

Hot Dip Galvanized – this surface finish provides greater anti-corrosion protection, secured by a thicker layer of surface zinc.

Painting – epoxy or polyester paints over the entire perimeter of the tray. For trays KZIN and tray accessories it is possible to also order painting, only from the outer side (so called EO). The thickness of the polyester paint can furthermore be selected between 60 and 100 µm.

## construction

Individual parts of cable trays are manufactured from zinc-coated sheet metal 0.7 – 1.25 mm thick (see the table for each product). All parts of cable trays are zinc-coated in the basic variant according to ČSN EN 10327. For all types of cable trays and their accessories, covers are also supplied that are made from zinc-coated sheet metal 0.6 – 1.25 mm thick (see the table for each product). All sharp edges that can possibly be in contact with wire insulation shall be removed from the cable tray. All bolts and other fasteners shall be mounted so that insulated wires, cables or cords are not damaged. Use plastic bushings for passing cables through the bottom or through the tray sidewalls. We deliver these bushings in various sizes, which are selected with regards to the size of the tray and the amount of branching cables.

It is possible to deliver the trays as perforated or non-perforated. The openings in the bottom of the trays are standardly embossed, but at customer's request it is also possible to deliver the trays without embossing.

### Supporting elements

#### Attaching on to a wall:

This is done using the brackets DS or DT either directly onto the wall or using assembly profiles mounted onto a wall. When using the mounting profiles the individual brackets are then attached to the assembly profiles using the sliding nuts PM or PMP.

The second variation is the use of the LTS profiles, which are installed directly onto the wall.

#### Attaching to the ceiling:

##### - made from panels

Makes use of the ceiling panels SPL, SPS or SPT, which are mounted onto the ceiling prior to subsequently mounting the brackets DS, DT (when using SPT the bracket DRT). In this way it is possible to install brackets against each other and thereby to create two cable routes beside each other. Likewise it is possible to install several cable routes under each other. Several cable routes are then installed on one ceiling profile.

##### - trapeze ceilings

For the mounting of the cable route to trapeze ceilings it is suitable to utilize the bracket DSOS. For the hanging of the cable route there is subsequently utilized the threaded rod and the bracket ZVNE or ZVNI.

##### - attaching to I profiles

For the installation of cable trays to already existing I profiles (if their load capacity allows it) it is possible to use the clamps US 1-3. Using this clamp it is also possible to attach the cable routes to profiles which are located under a certain angle. The assembly is performed using a threaded rod put through a fixation clamp.

### Diverting cables from the cable route

Cable routes are branched using a T-piece or a crossover, branching can be performed on trays with the same sidewall height and same width. Using a horizontal branch or a universal coupling it is possible to branch from the route with the same sidewall height, but onto a different tray width. In order to divert cables from a route, a hole shall be cut in the cable tray or the cable tray shall be disconnected, and an edge protector or a bushing shall be used. Also, the cable may be led out of a cable tray without a cover.



### Cable route bending

Routes are bent by means of elbows; for horizontal bending, elbow O 90 is used; for rising route it is a rising elbow SO, and for descending route it is a low elbow KO. For a slight bend of the route it is suitable to use the hinged joint SK.



### Joining and attaching trays

Individual trays are joined by means of an integrated coupling, which is prepared on the tray, by sliding the integrated coupling into another tray and attaching by KSV clamps or the bolts NSM 6X10. Trays without an integrated coupling are connected using the coupling S ..X200 and the bolts NSM 6X10.

The connection of the tray with the shaped pieces is performed by sliding the tray onto the shaped piece and subsequent securing with bolts NSM 6X10.



### Check

To decrease dust and dirt from settling, it is recommended to check the anchoring of the covers by the fixtures. The cable tray branches shall not have sharp edges, and therefore it is important to be fitted with edging or bushing. The attachment of a cable bundle and the closure of the cover by a fixture shall be checked on rising pieces.

As there is almost unlimited number of joints in large cable tray systems, it is always necessary to check the functionality of the supplementary conductive connecting in the entire cable tray system following the assembly according to Article 413.1.6.2. ČSN 332000-4-41.



### electrical conductivity and grounding

The JUPITER system of cable trays is constructed so that first-rate bonding is ensured when individual trays are connected. This is achieved by fixed connection using special bolts S 6X10 M. When using the KSV clamp it is necessary to connect individual parts (trays, accessories) by an additional protective wire with the corresponding cross section.

#### The protection against electric shock

For safety reasons, the system of trays bonded in this way shall be on both ends connected to a ground clamp. Such grounding is made according to the requirement no. 543.1.2 ČSN332000-5-54 and Table 54 F (Appendix 7) stipulating the minimum cross-section of the appropriate protective conductor with regard to the cross-sections of phase conductors of the installation.

The minimum cross-section of a cable tray is calculated without a cover.

### inner usable cross-section of the channel

Type number	cm <sup>2</sup>	Utilization 50% (cross-section cm <sup>2</sup> )	CYKY										
			2x1,5	3x1,5	4x1,5	5x1,5	3x2,5	4x2,5	5x2,5	4x4	5x4	4x6	5x6
			Ø 8,3	Ø 8,7	Ø 9,5	Ø 10,3	Ø 10	Ø 10,9	Ø 12,3	Ø 13,2	Ø 14,4	Ø 14,4	Ø 16
KZI 35X50	17,5	8,8	13	12	10	8	9	7	6	5	4	4	3
KZI 35X75	26,25	13,1	19	17	15	12	13	11	9	8	6	6	5
KZI 35X100	35	17,5	25	23	19	16	18	15	12	10	8	8	7
KZI 35X150	52,5	26,3	38	35	29	25	26	22	17	15	13	13	10
KZI 35X200	70	35,0	51	46	39	33	35	29	23	20	17	17	14
KZI 35X300	105	52,5	76	69	58	49	53	44	35	30	25	25	21
KZI 35X400	140	70,0	102	92	78	66	70	59	46	40	34	34	27
KZI 35X500	175	87,5	127	116	97	82	88	74	58	50	42	42	34
KZI 35X600	210	105,0	152	139	116	99	105	88	69	60	51	51	41
KZI 60X75	45	22,5	33	30	25	21	23	19	15	13	11	11	9
KZI 60X100	60	30,0	44	40	33	28	30	25	20	17	14	14	12
KZI 60X150	90	45,0	65	59	50	42	45	38	30	26	22	22	18
KZI 60X200	120	60,0	87	79	66	57	60	51	40	34	29	29	23
KZI 60X250	150	75,0	109	99	83	71	75	63	50	43	36	36	29
KZI 60X300	180	90,0	131	119	100	85	90	76	59	52	43	43	35
KZI 60X400	240	120,0	174	159	133	113	120	101	79	69	58	58	47
KZI 60X500	300	150,0	218	198	166	141	150	126	99	86	72	72	59
KZI 60X600	360	180,0	261	238	199	170	180	152	119	103	87	87	70
KZI 85X100	85	42,5	62	56	47	40	43	36	28	24	20	20	17
KZI 85X150	127,5	63,8	93	84	71	60	64	54	42	37	31	31	25
KZI 85X200	170	85,0	123	112	94	80	85	72	56	49	41	41	33
KZI 85X300	255	127,5	185	168	141	120	128	107	84	73	61	61	50
KZI 85X400	340	170,0	247	225	188	160	170	143	112	98	82	82	66
KZI 85X500	425	212,5	308	281	235	200	213	179	140	122	102	102	83
KZI 85X600	510	255,0	370	337	283	240	255	215	169	146	123	123	100
KZI 110X200	220	110,0	160	145	122	104	110	93	73	63	53	53	43
KZI 110X300	330	165,0	240	218	183	156	165	139	109	95	80	80	64
KZI 110X400	440	220,0	319	291	244	207	220	185	145	126	106	106	86
KZI 110X500	550	275,0	399	363	305	259	275	231	182	158	133	133	107
KZI 110X600	660	330,0	479	436	366	311	330	278	218	189	159	159	129

The values state the number of cables with the tray at 50% full.