

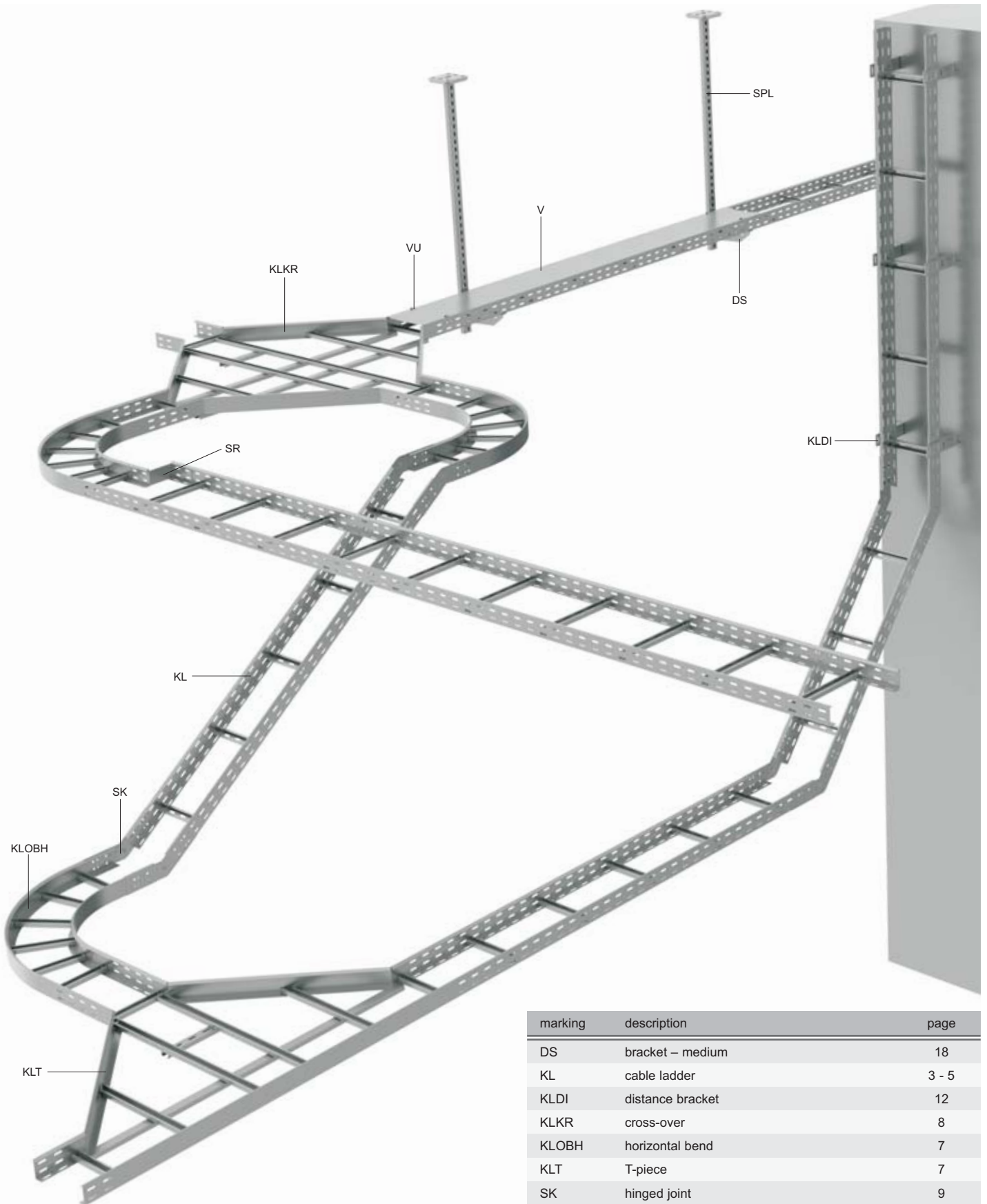


5

CABLE LADDERS



OVERVIEW OF SYSTEM ELEMENTS



marking	description	page
DS	bracket – medium	18
KL	cable ladder	3 - 5
KLDI	distance bracket	12
KLKR	cross-over	8
KLOBH	horizontal bend	7
KLT	T-piece	7
SK	hinged joint	9
SPL	ceiling profile – light	19
SR	reduction coupling	10
V	cable ladder cover	6
VU	cover fixture	6



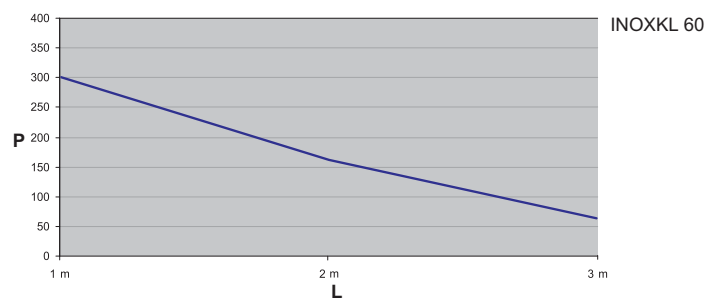
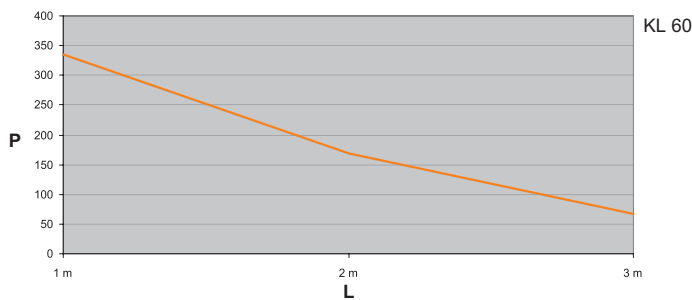
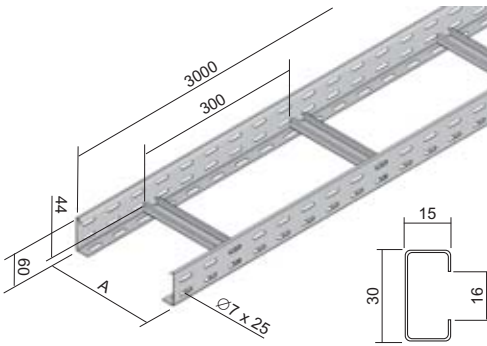
60 - cable ladder

item number	A	↑	‡	↻	S	F	item number	IX
KL 60X150	150	1,5	2,21	312	●	⊕		
KL 60X200	200	1,5	2,30	240	●	●	INOXKL 60X200	⊕
KL 60X300	300	1,5	2,47	156	●	●	INOXKL 60X300	⊕
KL 60X400	400	1,5	2,64	108	●	●	INOXKL 60X400	⊕
KL 60X500	500	1,5	2,97	96	●	⊕		
KL 60X600	600	1,5	3,20	78	●	⊕		

The standard length of the cable ladder is 3 m.
The joining of the ladders is performed using the couplings S 60X200 (page 11) and 8 pcs of bolts NSM 6X10 (page 22).

The side walls are L-profiles with return flange. The perforated C-profile rungs are placed in the side walls by extrusion with a spacing of 300 mm, with open side of the profile facing up.
It is possible to create on order the ladders with rung spacing of 150 and 500 mm.

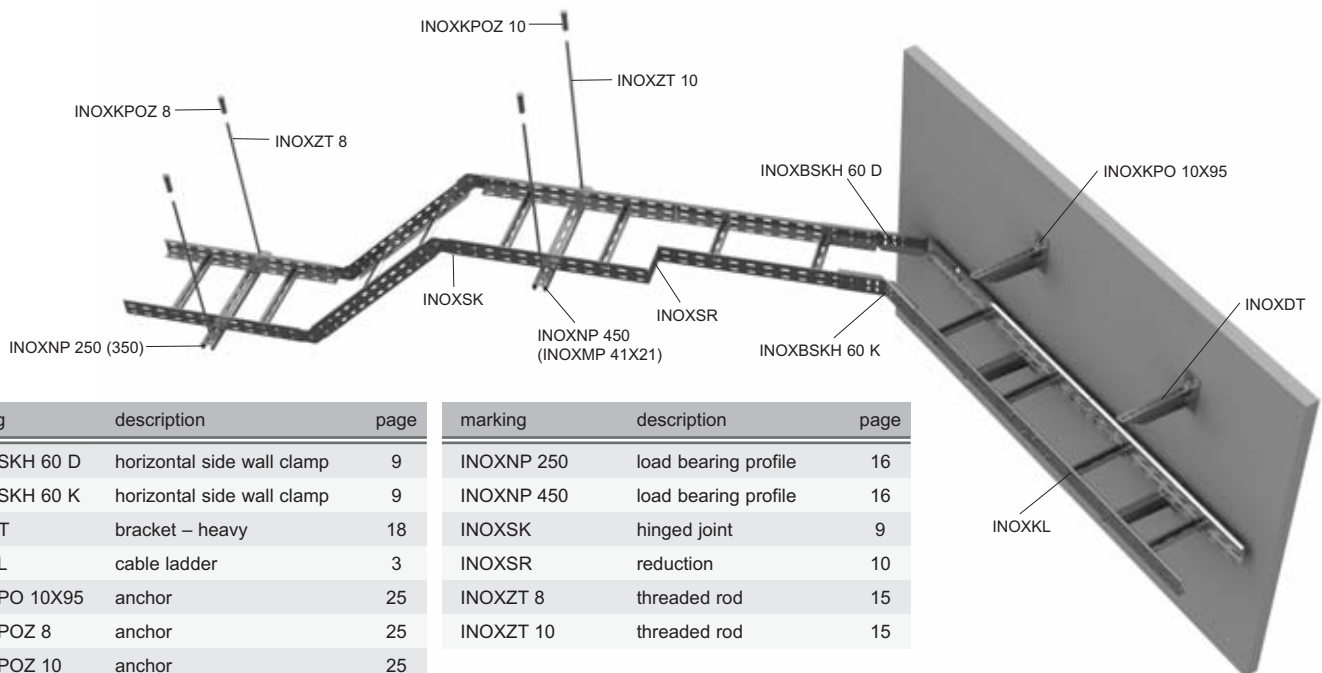
Stainless steel ladders are made of metal sheet with thickness 1,2 mm.
Because of specific production, the packing is not standardize.



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

L = distance of supports (m)
P = allowed even loading (kg/m)

OVERVIEW OF STAINLESS SYSTEM COMPONENTS



marking	description	page
INOXBSKH 60 D	horizontal side wall clamp	9
INOXBSKH 60 K	horizontal side wall clamp	9
INOXDT	bracket – heavy	18
INOXKL	cable ladder	3
INOXKPO 10X95	anchor	25
INOXKPOZ 8	anchor	25
INOXKPOZ 10	anchor	25

marking	description	page
INOXNP 250	load bearing profile	16
INOXNP 450	load bearing profile	16
INOXSK	hinged joint	9
INOXSR	reduction	10
INOXZT 8	threaded rod	15
INOXZT 10	threaded rod	15

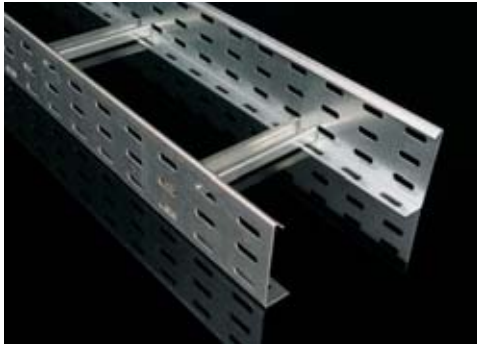
↑ thickness of metal sheet
‡ weight kg/m

↻ package (m)

● standard
⊕ to order

S Pre-Galvanized

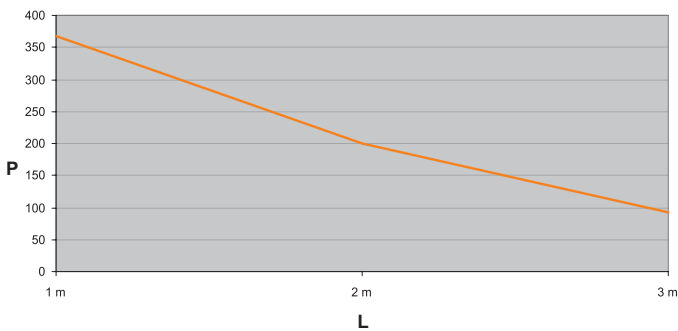
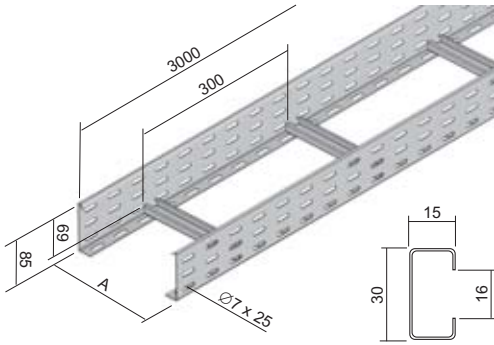
F Hot Dip Galvanized
IX stainless steel



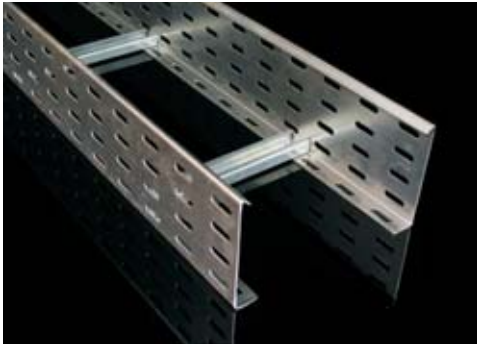
85 - cable ladder

item number	A	↑	‡	⊕	S	F
KL 85X150	150	1,5	2,67	240	⊕	⊕
KL 85X200	200	1,5	2,77	180	⊕	⊕
KL 85X300	300	1,5	2,97	120	⊕	⊕
KL 85X400	400	1,5	3,17	78	⊕	⊕
KL 85X500	500	1,5	3,37	72	⊕	⊕
KL 85X600	600	1,5	3,60	60	⊕	⊕

The standard length of the cable ladder is 3 m.
 The joining of the ladders is performed using the couplings S 85X200 (page 11) and 12 pcs of bolts NSM 6X10 (page 22).
 The side walls are L-profiles with return flange. The perforated C-profile rungs are placed in the side walls by extrusion with a spacing of 300 mm, with open side of the profile facing up.
 It is possible to create on order the ladders with rung spacing of 150 and 500 mm.



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



110 - cable ladder

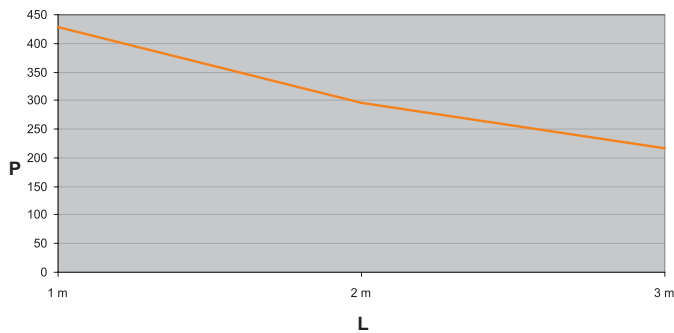
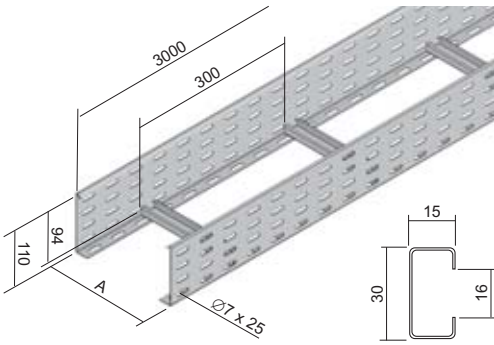
item number	A	↑	‡	↻	S	F
KL 110X150	150	1,5	4,07	168	⌚	⌚
KL 110X200	200	1,5	4,17	120	⌚	⌚
KL 110X300	300	1,5	4,37	84	⌚	⌚
KL 110X400	400	1,5	4,57	54	⌚	⌚
KL 110X500	500	1,5	4,77	48	⌚	⌚
KL 110X600	600	1,5	5,00	42	⌚	⌚

The standard length of the cable ladder is 3 m.

The joining of the ladders is performed using the couplings S 110X200 (page 11) and 16 pcs of bolts NSM 6X10 (page 22).

The side walls are L-profiles with return flange. The perforated C-profile rungs are placed in the side walls by extrusion with a spacing of 300 mm, with open side of the profile facing up.

It is possible to create on order the ladders with rung spacing of 150 and 500 mm.



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

L = distance of supports (m)

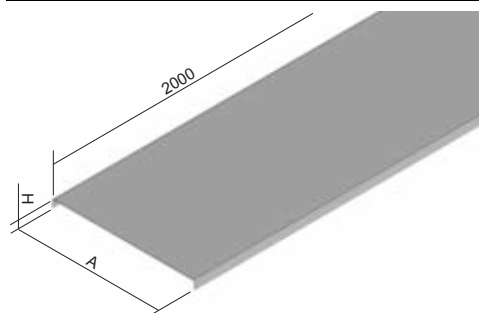
P = allowed even loading (kg/m)



cover fixture

item number	A	H	‡	S	F	item number	IX
V 150	150	11	0,55	●	⌚		
V 200	200	11	0,55	●	●	INOXV 200	⌚
V 300	300	11	0,80	●	●	INOXV 300	⌚
V 400	400	14	1,00	●	⌚	INOXV 400	⌚
V 500	500	14	1,00	●	⌚		
V 600	600	14	1,25	●	⌚		

The standard length of the cable ladder cover is 2 m.
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	●

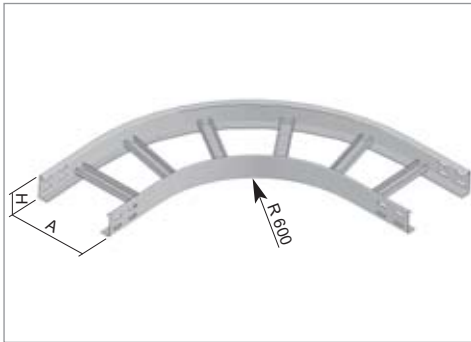
Is used for a bolt free attachment of the cover to the tray and to the accessories.
The cover fixture is placed to the cover and the sidewall in the place of the opening and it is slightly pressed so that the fixture lock slides into the opening.



cover fixture

item number	‡	IX
NIXUV	0,01	⌚

Serves for fastening the covers to the trays using bolts.

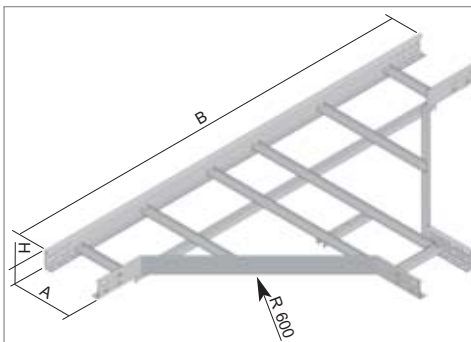


horizontal bend

item number	A	H	t	±f	S	F
KLOBH 60X200	200	60	1,5	16	●	⌚
KLOBH 60X300	300	60	1,5	16	●	⌚
KLOBH 60X400	400	60	1,5	16	●	⌚
KLOBH 60X500	500	60	1,5	16	●	⌚
KLOBH 60X600	600	60	1,5	16	●	⌚
KLOBH 85X200	200	85	1,5	24	⌚	⌚
KLOBH 85X300	300	85	1,5	24	⌚	⌚
KLOBH 85X400	400	85	1,5	24	⌚	⌚
KLOBH 85X500	500	85	1,5	24	⌚	⌚
KLOBH 85X600	600	85	1,5	24	⌚	⌚
KLOBH 110X200	200	110	1,5	32	⌚	⌚
KLOBH 110X300	300	110	1,5	32	⌚	⌚
KLOBH 110X400	400	110	1,5	32	⌚	⌚
KLOBH 110X500	500	110	1,5	32	⌚	⌚
KLOBH 110X600	600	110	1,5	32	⌚	⌚

The connection of the bend with the ladder is performed using the couplings S ..X200 (page 11) and the bolts NSM 6X10 (page 22).

Horizontal bend can be replaced by bend for JUPITER cable trays, demonstration of installation see page 8. To install bend for stainless steel ladders use horizontal bend coupling INOXBKSH 60 K, INOXBKSH 60 D (page 9).

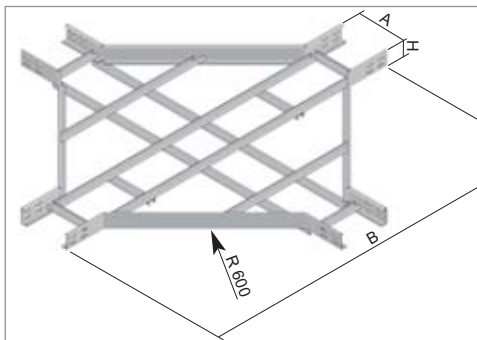


T-piece

item number	A	H	B	t	±f	S	F
KLT 60X200	200	60	1400	1,5	24	●	⌚
KLT 60X300	300	60	1500	1,5	24	●	⌚
KLT 60X400	400	60	1600	1,5	24	●	⌚
KLT 60X500	500	60	1700	1,5	24	●	⌚
KLT 60X600	600	60	1800	1,5	24	●	⌚
KLT 85X200	200	85	1400	1,5	36	⌚	⌚
KLT 85X300	300	85	1500	1,5	36	⌚	⌚
KLT 85X400	400	85	1600	1,5	36	⌚	⌚
KLT 85X500	500	85	1700	1,5	36	⌚	⌚
KLT 85X600	600	85	1800	1,5	36	⌚	⌚
KLT 110X200	200	110	1400	1,5	48	⌚	⌚
KLT 110X300	300	110	1500	1,5	48	⌚	⌚
KLT 110X400	400	110	1600	1,5	48	⌚	⌚
KLT 110X500	500	110	1700	1,5	48	⌚	⌚
KLT 110X600	600	110	1800	1,5	48	⌚	⌚

The connection of the T-piece with the ladder is performed using the couplings S ..X200 (page 11) and the bolts NSM 6X10 (page 22).

T-piece can be replaced by T-piece for JUPITER cable trays, demonstration of installation see page 8. To install T-piece for stainless steel ladders, use horizontal bend coupling INOXBKSH 60 K, INOXBKSH 60 D (page 9).



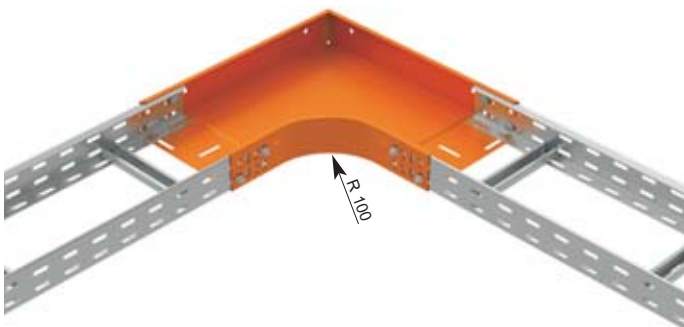
cross-over

item number	A	H	B	↑	↓	S	F
KLKR 60X200	200	60	1400	1,5	32	●	⊕
KLKR 60X300	300	60	1500	1,5	32	●	⊕
KLKR 60X400	400	60	1600	1,5	32	●	⊕
KLKR 60X500	500	60	1700	1,5	32	●	⊕
KLKR 60X600	600	60	1800	1,5	32	●	⊕
KLKR 85X200	200	85	1400	1,5	48	⊕	⊕
KLKR 85X300	300	85	1500	1,5	48	⊕	⊕
KLKR 85X400	400	85	1600	1,5	48	⊕	⊕
KLKR 85X500	500	85	1700	1,5	48	⊕	⊕
KLKR 85X600	600	85	1800	1,5	48	⊕	⊕
KLKR 110X200	200	110	1400	1,5	64	⊕	⊕
KLKR 110X300	300	110	1500	1,5	64	⊕	⊕
KLKR 110X400	400	110	1600	1,5	64	⊕	⊕
KLKR 110X500	500	110	1700	1,5	64	⊕	⊕
KLKR 110X600	600	110	1800	1,5	64	⊕	⊕

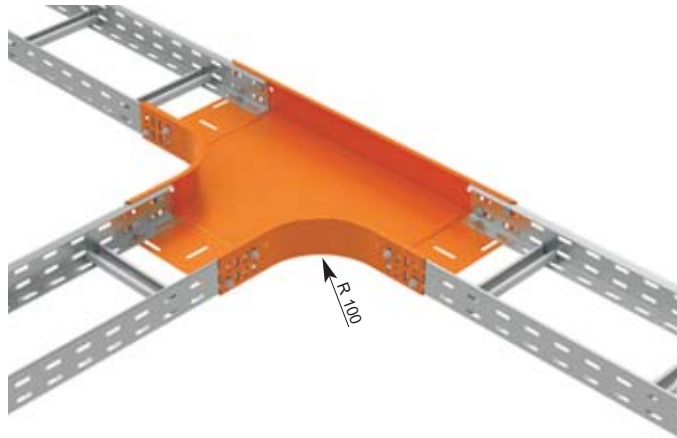
The connection of the cross-over with the ladder is performed using the couplings S ..X200 (page 11) and the bolts NSM 6X10 (page 22).

Cross-over can be replaced by cross-over for JUPITER cable trays, demonstration of installation see page 8. To install cross-over for stainless steel ladders, use horizontal bend coupling INOXBSKH 60 K, INOXBSKH 60 D (page 9).

Demonstration of cable ladder bend installed together with cable tray bend (page 1-11).



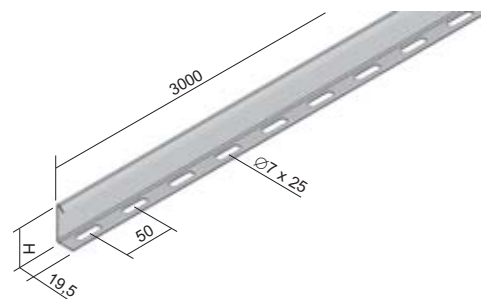
Demonstration of cable ladder bend installed together with cable tray T-piece (page 1-13).



partition

item number	H	↑	↓	S	F
KLP 60	39	0,8	0,41	●	⊕
KLP 85	64	0,8	0,57	⊕	⊕
KLP 110	89	0,8	0,73	⊕	⊕

The standard length of the partition is 3 m.
 The connection is performed using the bolts S 6X20 M (page 22), 2 pcs per 1 meter.
 The cross piece spatially divides the cables and other electrical systems and functions. In term of electrical compatibility, it is also used for dividing several types of lines. It is recommended to use covers for this type of installation and make the covered and shielded room.



↑ thickness of metal sheet
 ↓ amount of bolts for connection

↑ weight kg/m

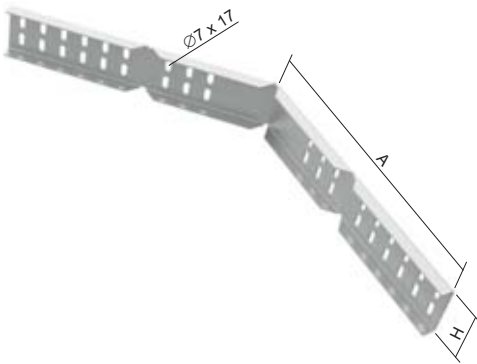
● standard
 ⊕ to order

S Pre-Galvanized
 F Hot Dip Galvanized

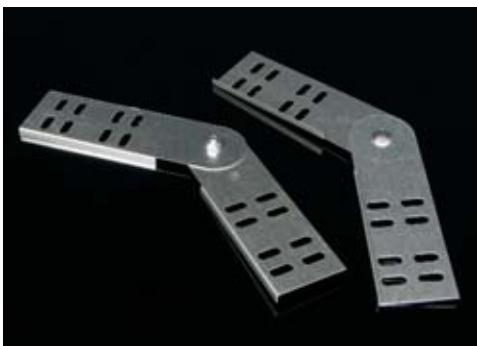
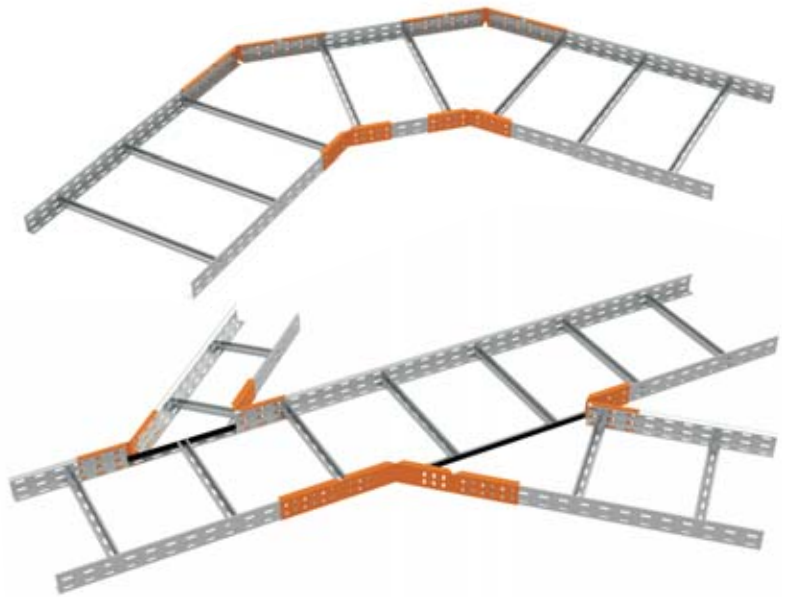


horizontal side wall clamp

item number	H	A	t	S	F	item number	IX
BSKH 60 K	64	140	2	●	⊕	INOXBSKH 60 K	⊕
BSKH 85 K	89	140	2	⊕	⊕		
BSKH 110 K	114	140	2	⊕	⊕		
BSKH 60 D	64	315	2	●	⊕	INOXBSKH 60 D	⊕
BSKH 85 D	89	315	2	⊕	⊕		
BSKH 110 D	114	315	2	⊕	⊕		



It is used for bending off of the cable ladder line or as a replacement of cable ladder adapting piece. Cut the side wall of the cable ladder to bend off c. 15 mm above the bottom – in the bottom perforation axis. It is necessary to use NCH (page 25). The fastening of the joint is performed with the bolts NSM 6X10 (page 22).

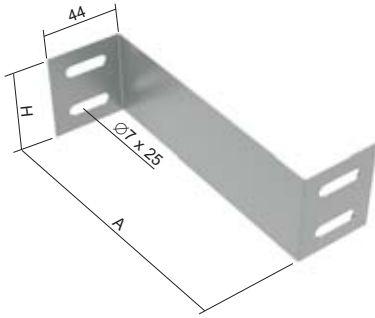


hinged joint

item number	H	t	LF	S	F	item number	IX
SK 60	53	0,8	8	●	⊕	INOXSK 60	⊕
SK 85	78	1,2	12	⊕	⊕		
SK 110	103	1,2	16	⊕	⊕		

For the connection of the hinged joint to the ladder there are used the bolts NSM 6X10 (page 22). The joint is delivered in 1 piece per packing.

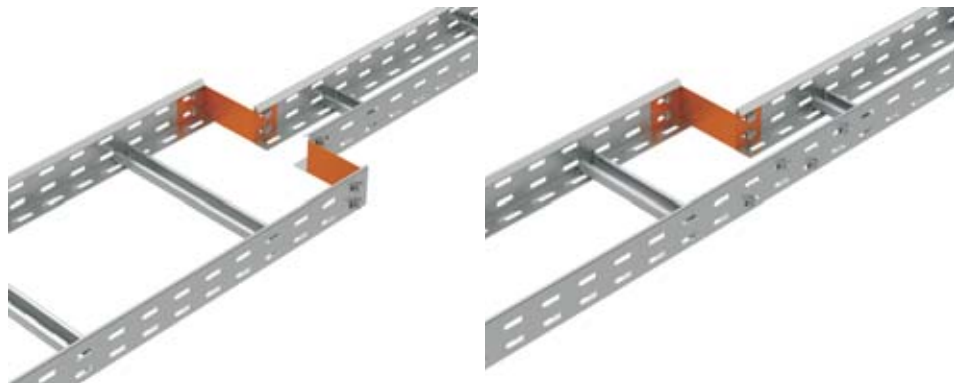




reduction

item number	H	A	↑	↓	S	F	item number	IX
SR 60X25	60	25	1,0	4	●	⊕		
SR 60X50	60	50	1,0	4	●	⊕		
SR 60X75	60	75	1,0	4	●	⊕		
SR 60X100	60	100	1,0	4	●	⊕	INOXSR 60X100	⊕
SR 60X125	60	125	1,0	4	●	⊕		
SR 60X150	60	150	1,0	4	●	⊕		
SR 60X200	60	200	1,0	4	●	⊕	INOXSR 60X100	⊕
SR 60X250	60	250	1,0	4	●	⊕		
SR 60X300	60	300	1,0	4	●	⊕		
SR 60X350	60	350	1,0	4	●	⊕		
SR 60X400	60	400	1,0	4	●	⊕		
SR 85X25	85	25	1,0	6	⊕	⊕		
SR 85X50	85	50	1,0	6	⊕	⊕		
SR 85X75	85	75	1,0	6	⊕	⊕		
SR 85X100	85	100	1,0	6	⊕	⊕		
SR 85X125	85	125	1,0	6	⊕	⊕		
SR 85X150	85	150	1,0	6	⊕	⊕		
SR 85X200	85	200	1,0	6	⊕	⊕		
SR 85X250	85	250	1,0	6	⊕	⊕		
SR 85X300	85	300	1,0	6	⊕	⊕		
SR 85X350	85	350	1,0	6	⊕	⊕		
SR 85X400	85	400	1,0	6	⊕	⊕		
SR 110X25	110	25	1,0	8	⊕	⊕		
SR 110X50	110	50	1,0	8	⊕	⊕		
SR 110X75	110	75	1,0	8	⊕	⊕		
SR 110X100	110	100	1,0	8	⊕	⊕		
SR 110X125	110	125	1,0	8	⊕	⊕		
SR 110X150	110	150	1,0	8	⊕	⊕		
SR 110X200	110	200	1,0	8	⊕	⊕		
SR 110X250	110	250	1,0	8	⊕	⊕		
SR 110X300	110	300	1,0	8	⊕	⊕		
SR 110X350	110	350	1,0	8	⊕	⊕		
SR 110X400	110	400	1,0	8	⊕	⊕		

The fastening of the joint is performed with the bolts NSM 6X10 (page 22).

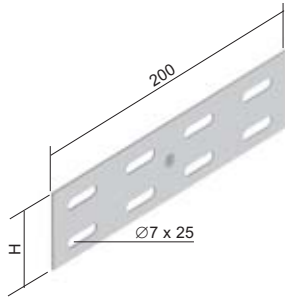
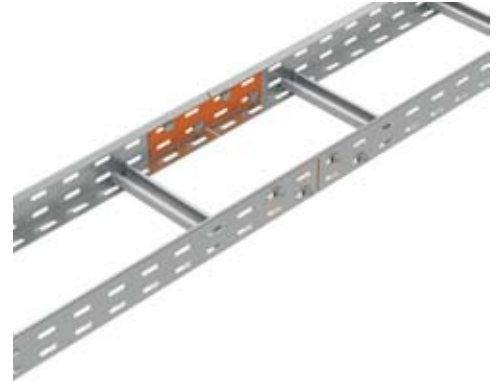




coupling

item number	H	↑	↓	S	F	item number	IX
S 60X200	60	1,25	4	●	●	INOXS 60X200	⌚
S 85X200	85	1,25	6	⌚	⌚		
S 110X200	110	1,25	8	⌚	⌚		

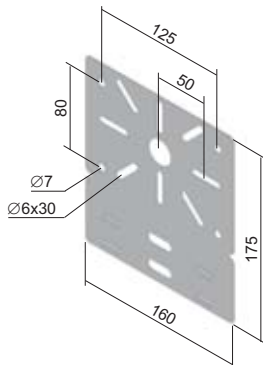
It is designated to connect cable ladders.
The fastening of the joint is performed with the bolts NSM 6X10 (page 22).

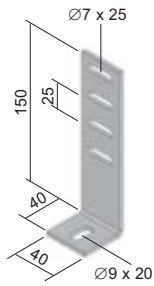


mounting plate

item number	↑	S	F
MDS	1	●	⌚

Used for mounting distribution boxes to the cable ladders, the assembly is performed by sliding onto the side of the cable ladder.
It is fixed by using clamps KSV (see page 1-37) or bolts NSM 6X10 (page 22). It is necessary to order the clamp separately.
Recommended for boxes 8101; 8130; 8135; 003.CS.K; 005.CS.K (s. catalogue of Wiring materials).

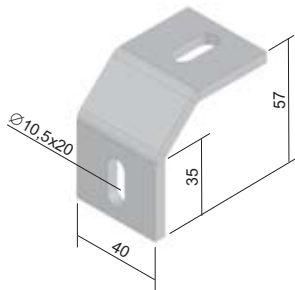




distance bracket

item number	↑	‡	
KLDI 35X110	4	0,21	F

Used for the assembly to the sidewall of the cable ladder and for subsequent attaching to the wall. It is fixed by using the bolt S 6X20 M (page 22).



angle bracket

item number	↑	‡	
DRIPN	5,00	0,19	PO

Used for the assembly to the sidewall of the cable ladder and for subsequent attaching to the wall. It is fixed by using the bolt S 10X20 and nut M 10 (page 22).





fixation clamp

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

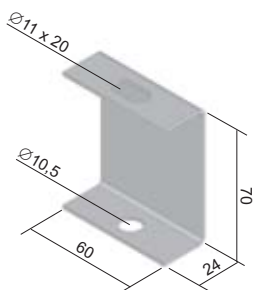
Fixation clamp is used for the I-profiles placed horizontally and also under a certain slant angle. Fixation clamp is delivered with a fastening bolt and a lock nut.

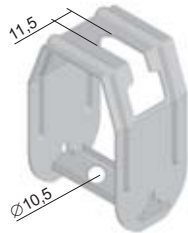


ceiling bracket

item number	‡	S	F
DSZT	0,10	●	⌚

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





adjustable ceiling bracket

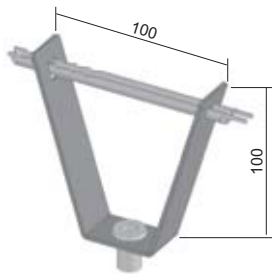
item number ‡
DSS 0,14

S

F



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



bracket for trapeze ceilings

item number ‡
DSOS 0,20

S

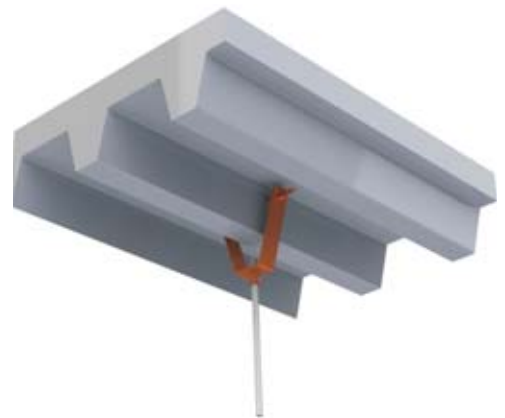
F



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).

thickness metal sheet of trapeze ceiling (mm)	load (N)
0,63-0,70	630
0,70-0,80	740
0,80-1,00	850
1,00-1,20	1050
1,20-1,50	1250
>1,50	1550

The loading values mentioned in the table are valid only for constant load.





threaded rod

item number	Ø	±*	‡	ZNCR	item number	IX
ZT 6	M 6	2250	0,17	●		
ZT 8	M 8	4060	0,31	●	INOXZT 8	⌚
ZT 10	M 10	6490	0,46	●	INOXZT 10	⌚
ZT 12	M 12	9440	0,70	⌚		

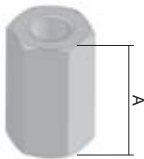
The standard length of the threaded rod is 2 m.
* tolerable bearing resistance - calm load



hang nut

item number	Ø	A	‡	ZNCR
MZ 6	M 6	18	0,01	●
MZ 8	M 8	24	0,02	●
MZ 10	M 10	30	0,04	●
MZ 12	M 12	36	0,06	⌚

Used for the connection of two threaded rods.

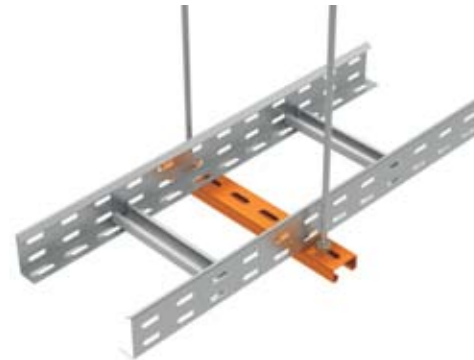
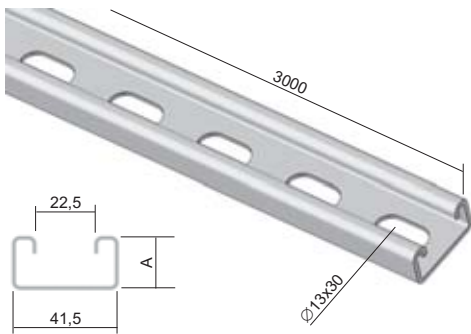




assembly profile

item number	A	↑	‡	S	F	item number	IX
MP 41X21	21	2,5	1,85	●	●	INOXMP 41X21	⊕
MP 41X21X1.50	21	1,5	1,13	●	-		
MP 41X41	41	2,5	2,70	●	●		

The standard length of the assembly profile is 3 m. Suitable to install a beam for cable lines on the threaded rod or to install supporting structure with the aid of mounting accessories page 1-34.



load bearing profile

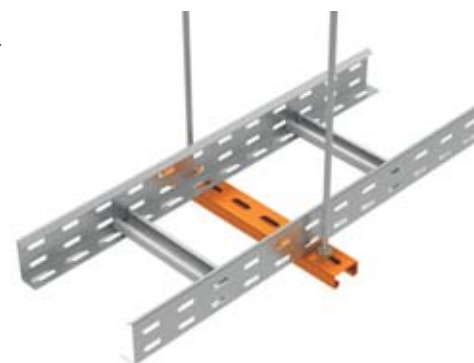
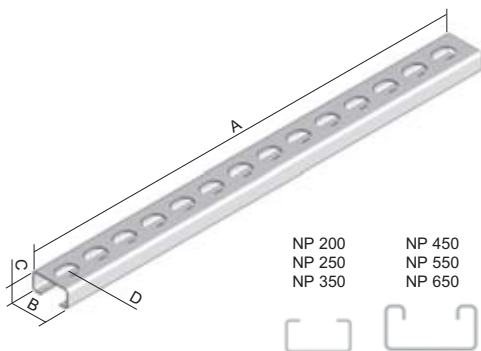
item number	A	B	C	D	↑	↓	‡	for KL	S	F	item number	IX
NP 200	200	30	15	Ø9 x 35	1,2	100	0,11	KL ..X150	●	⊕		
NP 250	250	30	15	Ø9 x 35	1,2	100	0,13	KL ..X200	●	⊕	INOXNP 250	⊕
NP 350	350	30	15	Ø9 x 35	1,2	100	0,19	KL ..X300	●	⊕	INOXNP 350	⊕
NP 450	450	41,5	21	Ø11 x 30	1,5	150	0,50	KL ..X400	●	⊕	INOXNP 450	⊕
NP 550	550	41,5	21	Ø11 x 30	1,5	150	0,56	KL ..X500	●	⊕		
NP 650	650	41,5	21	Ø11 x 30	1,5	150	0,70	KL ..X600	●	⊕		

The load bearing profile NP 200 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 ladder +50 mm, for example for a cable ladder that is 150 mm wide, order NP 200.

Stainless steel profiles INOXNP 250 and 350 are fixed by two threading rods INOXZT 8 + INOXM 8 nuts and INOXPD 8 washers. A profile INOXNP 450 is fixed by two threaded rods INOXZT 10 + INOXM 10 nuts and INOXPD 10 washers.

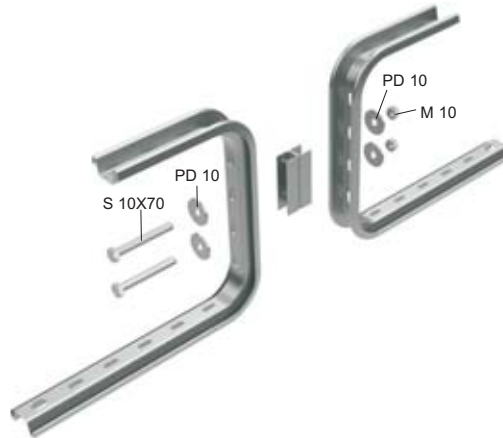
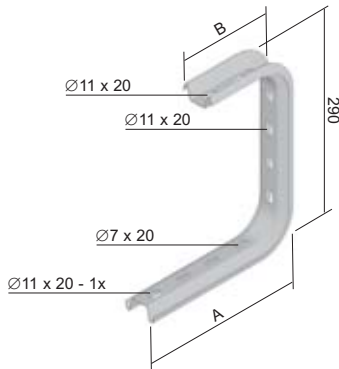




hang clamp

item number	A	B	⊥	‡	S
CTS 150	195	145	60	0,56	●
CTS 200	245	145	60	0,62	●
CTS 300	345	195	50	0,82	●
CTS 400	445	245	40	0,93	⌚

Designated for direct mounting to the ceiling or with a threaded rod ZT 8 or ZT 10.
The cable ladder is fixed by using the bolts NSM 6X10.
To eliminate deformation during assembly the STS reinforcement is designated (see page 1-30).

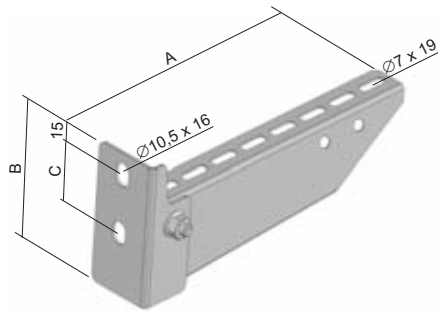


bracket

item number	A	⊥	‡	S
LTS 150	195	100	0,32	●
LTS 200	245	90	0,34	●
LTS 300	345	70	0,49	●
LTS 400	445	50	0,54	●
LTS 500	545	40	0,77	⌚
LTS 600	645	30	0,77	⌚

The cable ladder is fixed by using the bolts NSM 6X10.
Brackets LTS 400 - LTS 600 can be used as ceiling profiles.
To eliminate deformation during assembly the STS reinforcement is designated (see page 1-30).





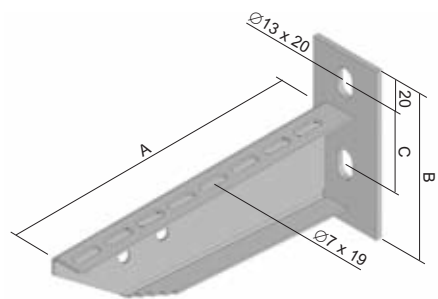
bracket – medium

item number	A	B	C	±	‡	S
DS 150	168	94	60	160	0,33	●
DS 200	218	104	60	150	0,38	●
DS 300	318	120	60	200	0,63	●
DS 400	418	120	60	180	0,76	●
DS 500	518	140	90	160	1,00	●
DS 600	618	140	90	150	1,23	●

It is designated for installation on the wall or ceiling profile SPL or SPS.

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

Cable ladder attaching to the bracket is carried out by fixation clamp SUP (page 21).



bracket – heavy

item number	A	B	C	±	‡	F	item number	IX
DT 150	170	120	60	230	0,36	●		
DT 200	220	120	60	340	0,43	●	INOXDT 200	⊕
DT 300	320	135	60	320	0,73	●	INOXDT 300	⊕
DT 400	420	135	60	430	0,88	●	INOXDT 400	⊕
DT 500	520	155	90	390	1,30	●		
DT 600	620	155	90	350	1,60	●		
DT 800	820	155	90	280	1,90	⊕		
DT 1000	1020	155	90	200	2,40	⊕		

It is designated for installation on the wall or ceiling profile SPL or SPS.

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

Cable ladder attaching to the bracket is carried out by fixation clamp SUP (page 21).



± max. load (kg)

● standard

S Pre-Galvanized

F Hot Dip Galvanized

‡ weight kg/pc

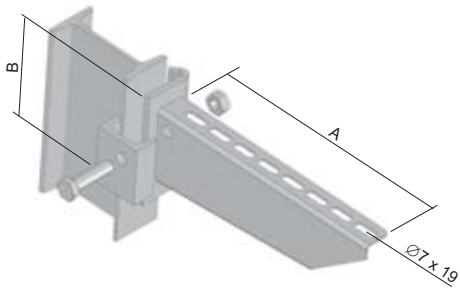
⊕ to order

IX stainless steel

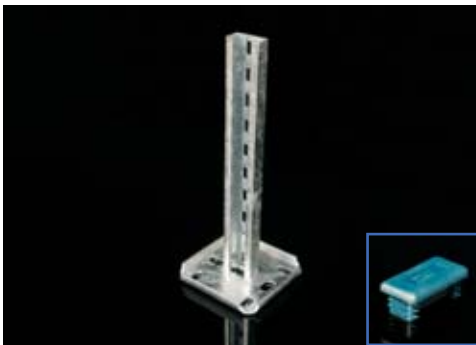
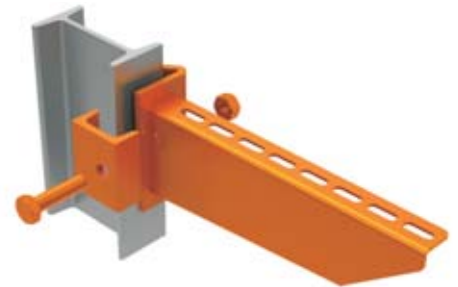


clamp bracket – heavy

item number	A	B	⊥	‡	F
DRT 100	120	80	300	0,30	●
DRT 150	170	85	310	0,37	●
DRT 200	220	90	330	0,50	●
DRT 300	320	100	360	0,69	●
DRT 400	420	110	370	0,85	●
DRT 500	520	120	380	1,35	●
DRT 600	620	130	410	1,55	⊕
DRT 800	820	130	370	1,80	⊕
DRT 1000	1020	130	330	2,30	⊕

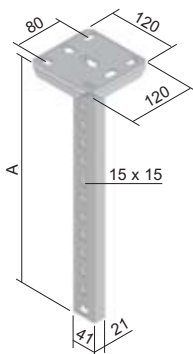


Only for assembly onto the ceiling profile SPT or I-profil 80 mm.
Clamp angle, nut and bolt S 8X20 are attached.
Cable ladder attaching to the bracket is carried out by fixation clamp SUP (page 21).



ceiling profile – light

item number	A	‡	F	XX
SPL 200	214	0,74	●	-
SPL 300	304	0,85	●	-
SPL 400	424	1,01	●	-
SPL 500	514	1,13	●	-
SPL 600	604	1,23	●	-
SPL 800	814	1,45	●	-
SPL 1000	1024	1,75	●	-
SPL 1200	1204	1,95	●	-
OKSPL	-	0,01	-	●



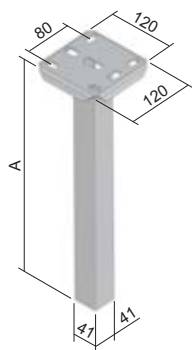
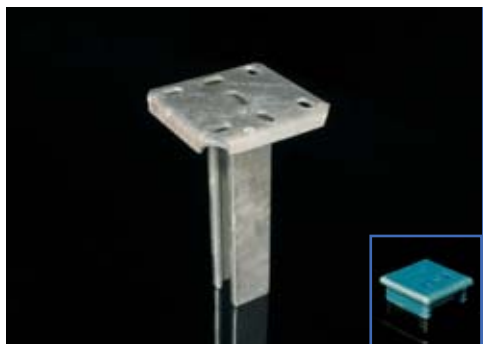
Designated for one sided fastening of the brackets DS and DT with the use of sliding nut PM 41 M 10 (PMP 41 M 10) and the bolt with a hexagonal head S 10X20.
OKSPL – protective cover made from PVC.



⊥ max. load (kg)
‡ weight kg/pc

● standard
⊕ to order

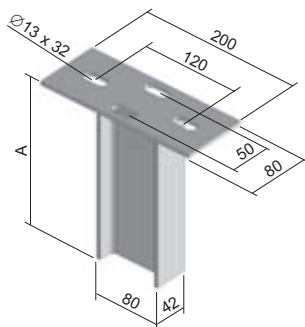
F Hot Dip Galvanized
XX PVC



ceiling profile – medium

item number	A	‡	F	XX
SPS 200	204	1,03	●	-
SPS 300	304	1,33	●	-
SPS 400	404	1,60	●	-
SPS 500	504	1,90	●	-
SPS 600	604	2,15	●	-
SPS 800	804	2,70	●	-
SPS 1000	1004	3,25	●	-
SPS 1200	1204	3,80	⊕	-
SPS 1500	1504	4,62	⊕	-
OKSPS	-	0,01	-	●

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 - protective cover made from PVC.



ceiling profile – heavy

item number	A	‡	F	XX
SPT 200	208	1,80	⊕	-
SPT 400	408	3,05	⊕	-
SPT 500	508	3,60	⊕	-
SPT 600	608	4,20	⊕	-
SPT 800	808	5,50	⊕	-
SPT 1000	1008	6,70	⊕	-
SPT 1200	1208	8,00	⊕	-
SPT 1500	1508	9,90	⊕	-
SPT 1800	1808	12,00	⊕	-
SPT 2000	2008	13,30	⊕	-
OKSPT	-	0,02	-	●

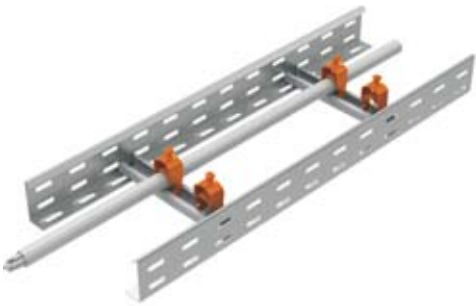
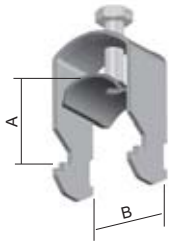
Designated for one sided and double sided fastening of the clamp brackets DRT. Used as a bracket for the ceiling or the floor.
OKSPT - protective cover made from PVC.





cable clamp for 1 cable

item number	A min	B	‡	F	cover tray* height KL			number of clamps** width KL					
					60	85	110	150	200	300	400	500	600
PKC1 1198	8	12	0,03	●	yes	yes	yes	8	12	18	24	30	37
PKC1 1199	12	16	0,03	●	yes	yes	yes	7	9	14	19	24	29
PKC1 1200	16	20	0,04	●	no	yes	yes	5	7	11	15	19	23
PKC1 1201	20	24	0,04	●	no	yes	yes	5	6	10	14	17	21
PKC1 1202	24	28	0,04	●	no	yes	yes	4	5	8	11	14	17
PKC1 1203	28	32	0,06	●	no	yes	yes	3	5	7	10	12	15
PKC1 1204	32	36	0,07	●	no	yes	yes	3	4	6	9	11	14
PKC1 1205	36	40	0,08	●	no	yes	yes	3	4	6	8	10	13
PKC1 1206	40	44	0,09	●	no	no	yes	2	3	5	7	9	11
PKC1 1207	44	48	0,10	●	no	no	yes	2	3	5	7	8	10
PKC1 1208	48	52	0,10	●	no	no	yes	2	3	5	6	8	10
PKC1 1209	52	56	0,11	●	no	no	yes	2	3	4	6	7	9
PKC1 1210	56	60	0,14	●	no	no	no	2	2	4	5	7	8
PKC1 1211	60	64	0,16	●	no	no	no	1	2	4	5	6	8
PKC1 1212	64	70	0,16	●	no	no	no	1	2	3	5	6	7



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

* The possibility of trace covering by cover upon use of maximum cable diameter into the cable clamp.

** The table shows the maximum of used cable clamps, which are put next to each other. The table doesn't count with the high of the cable ladders with regard to possibility of covering the line. Its meaning is to demonstrate the maximum of using cables, which is possible to install in exact ladder while using the cable clamps.

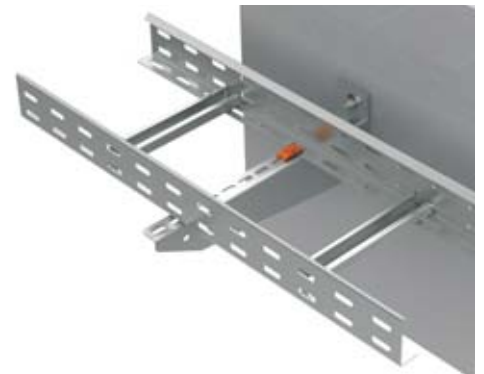
On the base cable clamps width, can be specified the quantity of cable clamps with different combinations and propositions in one ladder.



fixation clamp

item number	‡	S
SUP	0,02	●

For the attaching of the cable ladder to the bracket.
Two piece per bracket.





carriage bolt and lock nut

item number	‡	↻	ZNCR	GMT
NSM 6X10	0,009	100	●	-
NSM 6X10-GMT	0,009	100	-	●



bolt with around head and lock nut

item number	‡	↻	ZNCR
S 6X20 M	0,01	100	●

Used for the securing of conductive connecting.



bolt + nut + lock washers

item number	‡	↻	ZNCR	item number	IX
NSMP 6X10	0,006	100	●	NIXSMP 6X10	⊕

Used for the securing of conductive connecting.



bolt with hexagonal head

item number	‡	ZNCR
S 6X20	0,01	●
S 6X30	0,01	●
S 8X20	0,01	●
S 8X30	0,02	●
S 8X40	0,02	●
S 8X50	0,02	●
S 8X70	0,03	⊕
S 10X20	0,02	●
S 10X30	0,03	●
S 10X40	0,03	●
S 10X50	0,04	●
S 10X70	0,05	●
S 12X20	0,03	●
S 12X30	0,04	●
S 12X40	0,05	●
S 12X50	0,06	●
S 12X60	0,07	⊕



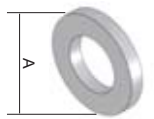
hexagon nut

item number	‡	ZNCR	item number	IX
M 6	0,01	●		
M 8	0,01	●	INOXM 8	⊕
M 10	0,01	●	INOXM 10	⊕
M 12	0,02	●		



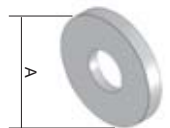
washer

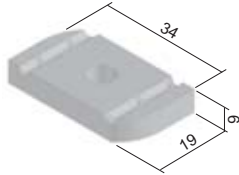
item number	A	‡	ZNCR	item number	IX
PD 6	12	0,001	●		
PD 8	16	0,001	●	INOXP 8	⊕
PD 10	20	0,001	●	INOXP 10	⊕
PD 12	24	0,001	⊕		



large washer

item number	A	‡	ZNCR
PVL 6	18	0,001	●
PVL 8	24	0,001	●
PVL 10	30	0,001	●
PVL 12	38	0,002	⊕

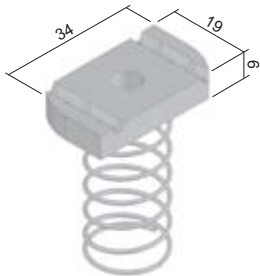




sliding nut

item number	‡	ZNCR
PM 41 M 6	0,03	⊕
PM 41 M 8	0,03	●
PM 41 M 10	0,03	●
PM 41 M 12	0,03	⊕

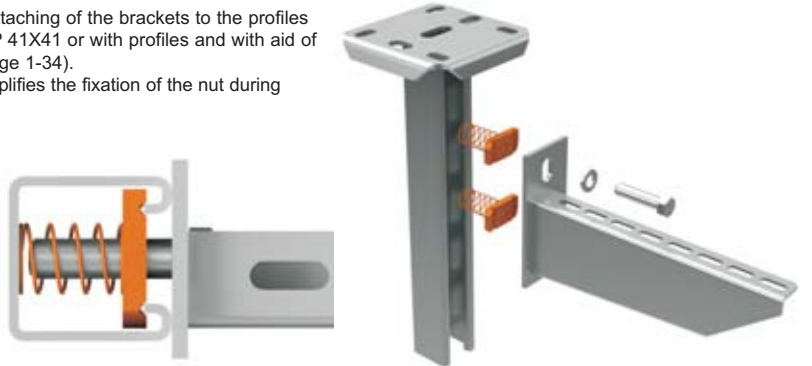
Used for the attaching of the brackets to the profiles MP 41X21, MP 41X41 or with profiles and with aid of VS system (page 1-34).

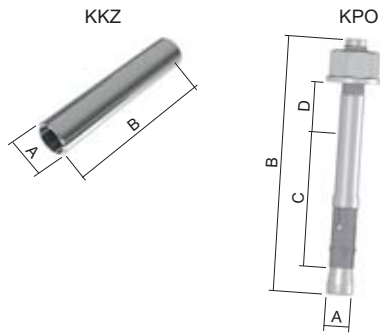


sliding nut with spring

item number	‡	ZNCR
PMP 41 M 6	0,04	⊕
PMP 41 M 8	0,04	●
PMP 41 M 10	0,04	●
PMP 41 M 12	0,04	⊕

Used for the attaching of the brackets to the profiles MP 41X21, MP 41X41 or with profiles and with aid of VS system (page 1-34). The spring simplifies the fixation of the nut during assembly.





anchor

item number	A	B	C	D	E	thread	‡	PO	ZNCR	item number	IX
KPO 6X50	6	50	35	5	45	M6	0,01	●	-		
KPO 6X70	6	70	35	10	70	M6	0,02	●	-		
KPO 8X77	8	77	45	10	75	M8	0,03	●	-		
KPO 8X97	8	97	45	30	95	M8	0,04	●	-		
KPO 10X95	10	95	60	10	90	M10	0,06	●	-	INOXKPO 10X95	⌚
KPO 10X115	10	115	60	30	110	M10	0,08	●	-		
KPO 12X120	12	120	70	10	115	M12	0,10	●	-		
KPO 12X150*	12	150	70	30	145	M12	0,13	●	-		
KKZ 6	8	25	-	-	-	M6	0,01	-	●		
KKZ 8	10	30	-	-	-	M8	0,01	-	●	INOXKPOZ 8	⌚
KKZ 10	12	40	-	-	-	M10	0,02	-	●	INOXKPOZ 10	⌚
KKZ 12	15	50	-	-	-	M12	0,05	-	⌚		

C - anchor depth
 D - maximum thickness of the material being attached
 E - minimum depth of the drilled hole
 Anchors serve for the attaching of construction elements to the base material (concrete, stone).
 The knock in anchors KKZ (INOXKPOZ) serve for the direct attachment of the threaded rods.
 * until the sell-out of stocks



edge protector

item number	‡	
NCH	0,06	●

The edge protector made from plastic with a steel insert is used to protect the edges of cable trays.
 Package = 10 m.



zinc paint / spray

item number	‡	
WEICON 375 (paint)	0,50	●
GZS (spray)	0,45	●

Anticorrosive protection to be intended for service of defective and damaged places on galvanized surface.
 Lay on the color by paintbrush, stipple technology.