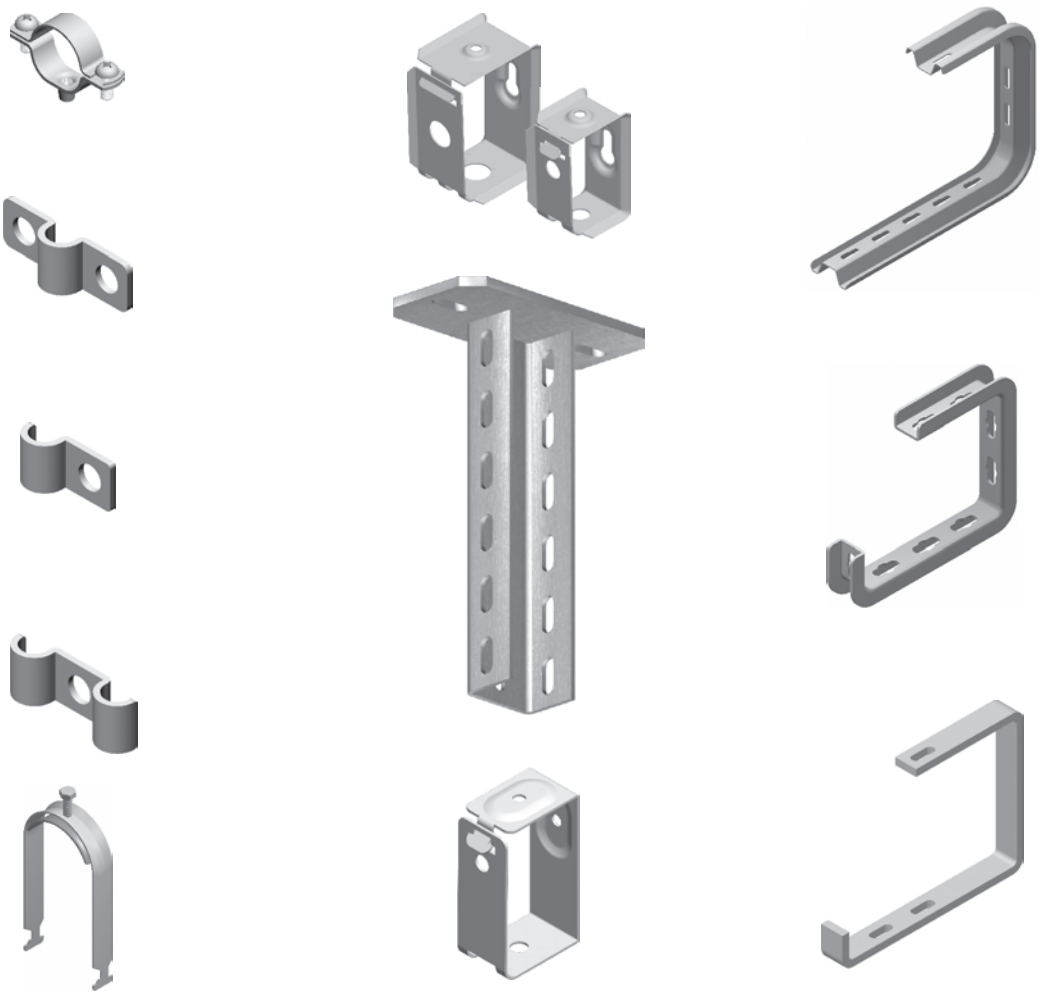
Ceiling-Mounted & Suspended Systems



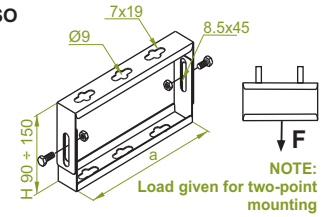
Ceiling-Mounted & Suspended Systems.

 **Beam Clamp UC...**	 **Beam Clamp UCM..**	 **Head Plate PS**	 **Head Plate Variable PSUN/PSUNO**	 **Base Plate PMMN**
 **Head Plate PSC N**	 **Ceiling Bracket WPCB...**	 **Bracket WZD...**	 **Hold Down Clamp UDC**	 **Spacer BRP40**

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Ceiling Hanger

WSO



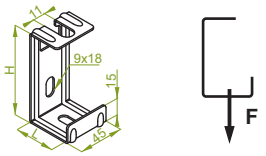
NOTE:
Load given for two-point mounting

WSO...

CODE	Width a mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WSO50	90	0.95	0.13	730205	100
WSO100	140	0.85	0.15	730210	50
WSO150	190	0.75	0.20	730215	50
WSO200	240	0.50	0.25	730220	50
WSO300	340	0.40	0.40	730230	30

Side Holder

WC



APPLICATION
Suspending cable routes.

WC...

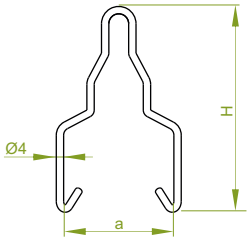
CODE	Length L mm	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WC30	32	102	0.30	0.08	730204	100
WC40	42	88	0.25	0.09	730104	100
WC50	52	78	0.22	0.10	730304	100

E-90

MATERIAL:
Steel, strip-galv.
acc. to the Sendzimir method
to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Hanger

WD

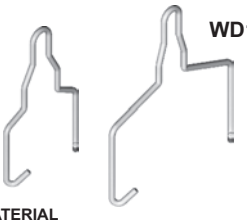


APPLICATION
Suspending cable routes and profiles.

WD...

CODE	Width a mm	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WD40	40	128	1.10	0.03	900000	100
WD60	60	115	0.55	0.03	920000	100
WD50	50	127	0.90	0.03	910000	100
WD100	100	130	0.39	0.03	940000	50

Hanger WD40 fits to:
CW…40H35, 40H40, 40H47, 40H60, 40H80, CM…40H30, 40H40, 40H60, CM..40H80, CTM…40H40, 40H60, 40H80
Hanger Wd50 fits to:
CM…50H30, H50, CTM…50H50, H100,
Hanger WD60 fits to KDS/KDSO60H60.
Hanger WD100 fits to CTMT100H100, KDS100H30, KDS/KDSO100H60 and KDS100H110

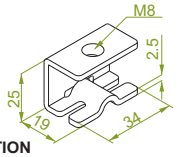


N

MATERIAL
Electro-galvanised wire (EG)
Available finishes:
F- galvanized using zinc flake coating wire
PN-EN ISO 10683:2014-09
E- stainless steel wire (SS)
L- powder coating in a full range of colours (PC)
(info p. 4)

Stiffening Connector

LUWD



APPLICATION
Simplified montage of WD... hanger with the threaded rod to the ceiling. Together with WD... hanger and PG... rod gives possibility of suspending cable trays, channels and wire mesh cable trays-stiffens sling based on WD... hanger

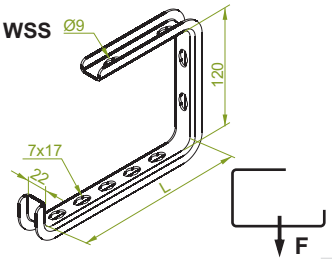
LUWD

CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
LUWD	0.55	0.03	920100	50

N

Bracket

WSS



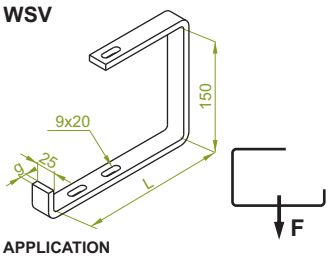
WSS...

CODE	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WSS50	70	0.40	0.13	720205	100
WSS100	120	0.30	0.18	720210	100
WSS150	170	0.22	0.22	720215	100
WSS200	220	0.17	0.25	720220	100

MATERIAL:
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv.
to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Bracket

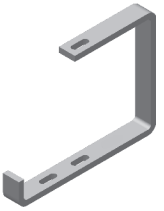
WSV



APPLICATION
Suspending cable routes.

WSV...

CODE	Length L mm	Thickness g mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WSV100	115	6	0.60	0.39	712210	30
WSV150	165	6	0.45	0.48	712215	20
WSV200	215	8	0.30	0.75	712220	20
WSV300	315	10	0.40	1.26	712230	10
WSV400	415	10	0.25	1.55	712240	10



MATERIAL:
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

For mechanical properties of screws and anchors see Section XI page 15

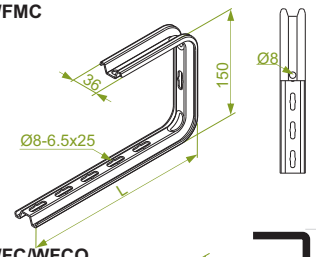
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 0.7 1.0 1.2 1.5 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

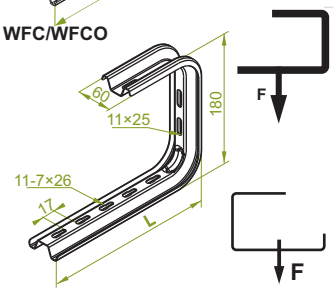
WFMC



WFMC...

CODE	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WFMC50	127	0.40	0.22	720312	20
WFMC100	143	0.35	0.26	720311	20
WFMC150	197	0.30	0.30	720316	20
WFMC200	243	0.25	0.33	720321	20
WFMC300	337	0.20	0.42	720331	20
WFMC400	443	0.15	0.48	720341	20

WFC/WFCO



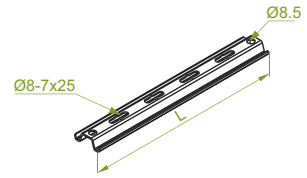
WFC/WFCO...

CODE	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WFC/WFCO100	165	0.85	0.47	720310	20
WFC/WFCO150	205	0.70	0.53	720315	20
WFC/WFCO200	255	0.50	0.60	720320	20
WFC/WFCO300	355	0.30	0.73	720330	20
WFC/WFCO400	455	0.23	0.86	720340	20
WFC500	555	0.14	0.99	720350	20
WFC600	655	0.10	1.12	720360	20

E-90

Snap-in Support

PMM..

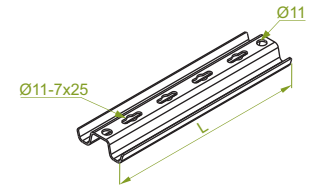


PMM..

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
PMM50	90	0.06	901105	20
PMM100	140	0.09	901110	20
PMM150	190	0.12	901115	20
PMM200	240	0.15	901120	20
PMM300	340	0.21	901130	20
PMM400	440	0.27	901140	20

N

PM..



PM..

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
PM100	140	0.22	901410	20
PM150	190	0.30	901415	20
PM200	240	0.38	901420	20
PM300	340	0.54	901430	20
PM400	440	0.70	901440	20
PM500	540	0.85	901450	20
PM600	640	1.00	901460	20

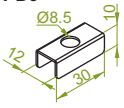
N

MATERIAL:
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

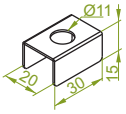
APPLICATION
Suspending cable routes.

Spacer

PD9



PD11



APPLICATION
PD11 - for brackets WFC/WFCO, WFL, WFCS, WFLS
PD9 - for brackets WFMC, WFML
Due to use of spacers, firm assembly of bracket is provided

PD9

CODE	Dimension ∅ mm	kg 1 pc.	Catalogue No.	Qty
PD9	8.5	0.02	803200	100

PD11

CODE	Dimension ∅ mm	kg 1 pc.	Catalogue No.	Qty
PD11	11	0.03	803100	100

E-90

MATERIAL:
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Protective Cap

NOF...

NOFM

CODE	Catalogue No.	Qty
NOFM	900667	100

Important! Only for: WFML and WFMC

NOF

CODE	Catalogue No.	Qty
NOF	900666	100

Important! Only for:
WFL/WFLO and WFC/WFCO.

NOFM

NOF

MATERIAL
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010. silver to RAL 9006.

APPLICATION
Protecting installers against cut from steel edges;
Improving overall product appearance

For mechanical properties of screws and anchors see Section XI page 15

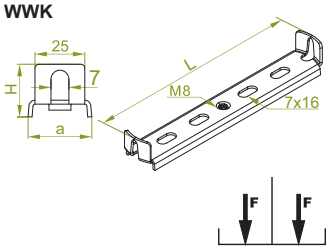
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Central Hanger

WWK



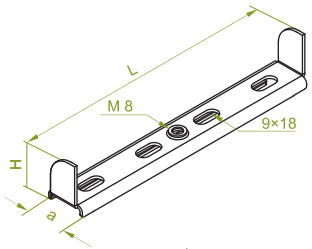
WWK...

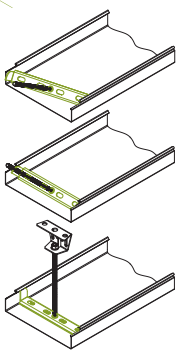
± 2.0 mm

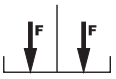
CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WWK50	47	30	28	0.80	0.07	**731405**	100
WWK100	97	30	28	0.60	0.10	**731410**	100
WWK150	147	30	28	0.45	0.14	**731415**	100
WWK200	197	30	28	0.40	0.17	**731420**	50
WWK300	297	30	28	0.25	0.25	**731430**	50

Internal Hanger

WKW







WKW...H42

± 2.0 mm

CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WKW50H42	41	28	40	0.80	0.07	**731505**	100
WKW100H42	91	28	40	0.60	0.10	**731510**	100
WKW150H42	141	28	40	0.45	0.14	**731515**	100
WKW200H42	191	28	40	0.40	0.17	**731520**	50
WKW300H42	291	28	40	0.25	0.25	**731530**	50

WKW...H50

± 2.0 mm

CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WKW50H50	41	28	48	0.80	0.08	**731605**	100
WKW100H50	91	28	48	0.60	0.11	**731610**	100
WKW150H50	141	28	48	0.45	0.15	**731615**	50
WKW200H50	191	28	48	0.40	0.18	**731620**	50
WKW300H50	291	28	48	0.25	0.26	**731630**	50

WKW...H60

± 2.0 mm

CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WKW100H60	91	28	58	0.60	0.12	**731710**	100
WKW150H60	141	28	58	0.45	0.16	**731715**	50
WKW200H60	191	28	58	0.40	0.19	**731720**	50
WKW300H60	291	28	58	0.25	0.27	**731730**	50

WKW...H80

± 2.0 mm

CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WKW100H80	91	28	78	0.60	0.14	**731810**	50
WKW150H80	141	28	78	0.45	0.18	**731815**	50
WKW200H80	191	28	78	0.40	0.21	**731820**	50
WKW300H80	291	28	78	0.25	0.29	**731830**	50

WKW...H100

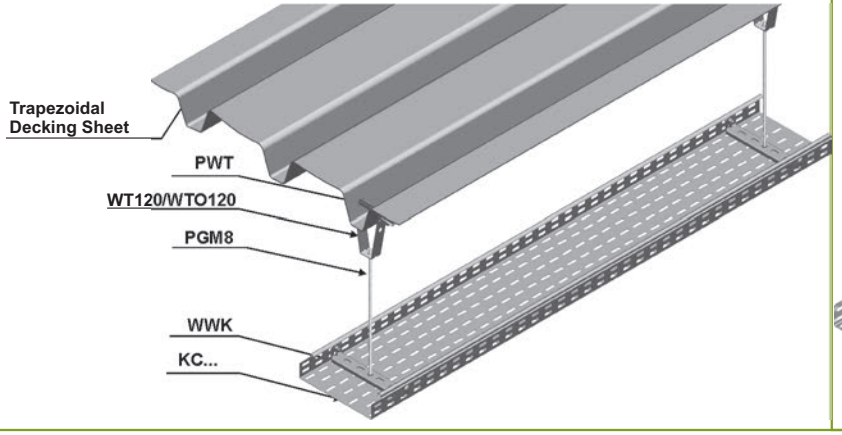
± 2.0 mm

CODE	Length L mm	Width a mm	Height H mm	Safe working max. ΣF$_{max}$[kN]	kg 1 pc.	Catalogue No.	qty
WKW100H100	91	28	98	0.60	0.16	**731910**	30
WKW150H100	141	28	98	0.45	0.20	**731915**	30
WKW200H100	191	28	98	0.40	0.23	**731920**	30
WKW300H100	291	28	98	0.25	0.31	**731930**	30

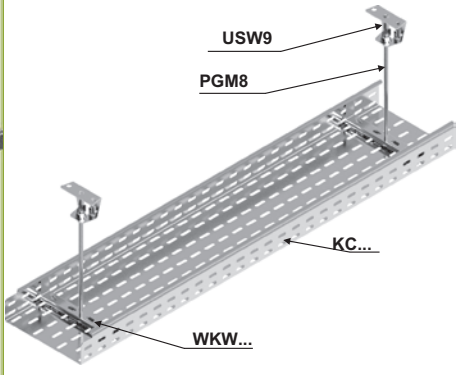
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATION
Suspending cable routes

Application Example of Central Hanger WWK with Threaded Rod PG and Trapezoidal Ceiling Bracket WT80



Application Example of Cable Tray with Central Hanger WKW

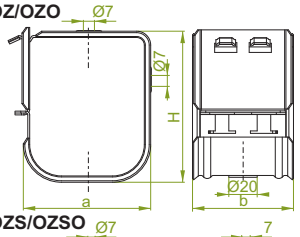


For mechanical properties of screws and anchors see Section XI page 15

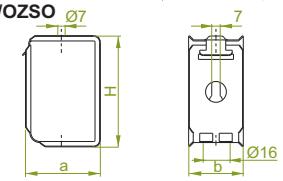
Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Cable Hanger

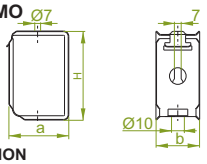
OZ/OZO



OZS/OZSO



OZM/OZMO



APPLICATION
Suspending electrical cables.

OZ/OZO

± 1.5 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
OZ/OZO	100	82	120	0.50	0.38	**752400**	50

E-90

OZS/OZSO

± 1.2 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
OZS/OZSO	52	38	81	0.20	0.12	**752500**	100

E-90

OZM/OZMO

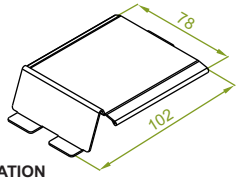
± 0.7 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
OZM/OZMO	42	33	62	0.10	0.08	**753200**	100

E-90

Barrier of Cable Clamp OZ/OZO

POZ



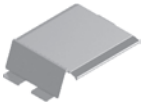
APPLICATION
Lengthwise division of Cable Hanger

POZ

± 1.5 mm

CODE	kg 1 pc.	Catalogue No.	Qty
POZ	0.02	**752416**	50

Features & Benefits:
Barrier strip separates cables.

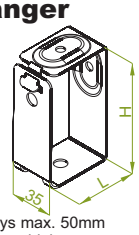


N

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304) - only for OZ/OZO
L- powder coating in a full range of colours (PC) (info p. 4)

Cable Hanger

OZK50



APPLICATION
Installing cable trays max. 50mm wide and max. 60mm high

OZK50

± 1.5 mm

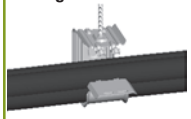
CODE	Length L mm	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
OZK50	55	94	0.12	0.06	**805300**	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

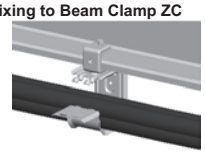
Application Examples of OZ/OZO, OZS/OZSO, OZM/OZMO

- Wall-mount

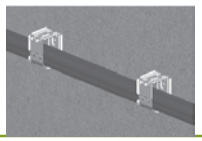
- Fixing to threaded rod



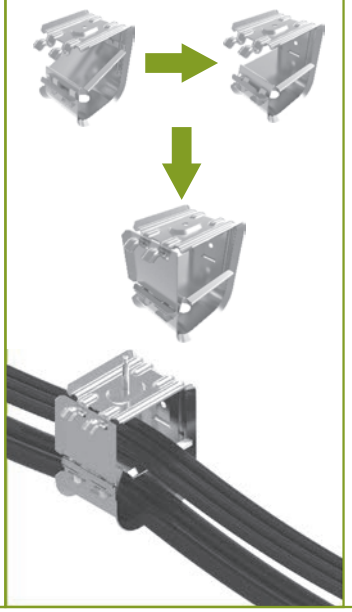
- Fixing to Beam Clamp ZC



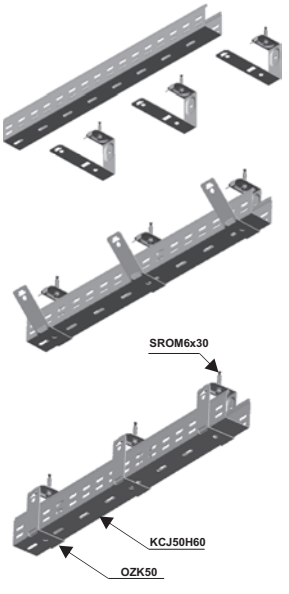
- Wall-mount



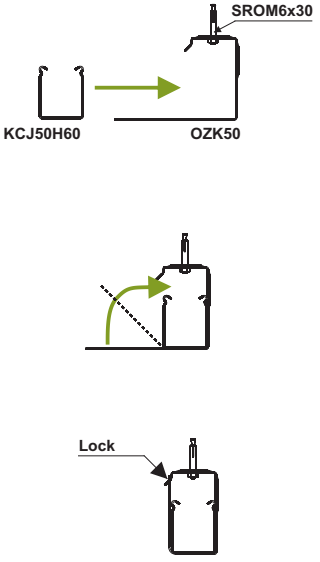
Montage example of Barrier Strip POZ and Barier of Cable Clamp OZ/OZO



Application Example of OZK50



Application Example of Cable Tray Hanger OZK50



For mechanical properties of screws and anchors see Section XI page 15

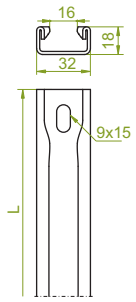
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rung

SD...



APPLICATION
In combination with Cable Clamp UK/UKO for attaching electrical cables directly to the wall in the vertical plane or to the ceiling in the horizontal plane.

SDC...

± 2.0 mm

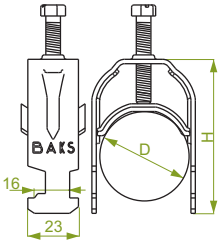
CODE	Width a mm	Height H mm	Length L mm	kg 1 pc.	Catalogue No.	Qty
SDC100	35	18	90	0.13	**403810**	50
SDC200	35	18	190	0.26	**403820**	50
SDC300	35	18	290	0.39	**403830**	50
SDC400	35	18	390	0.52	**403840**	50
SDC500	35	18	490	0.65	**403850**	30
SDC600	35	18	590	0.78	**403860**	30

NOTE:
Perforated rungs are subject to minimum order quantity

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Cable Clamp

UK1/UKO1



UK1/UKO1...

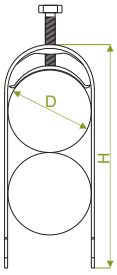
1 cable

CODE	Dimension D mm	Height H mm	kg 1 pc.	Catalogue No.	Qty
UK1/UKO1/16-22	16-22	57	0.05	**402300**	150
UK1/UKO1/22-28	22-28	61	0.06	**402400**	150
UK1/UKO1/28-34	28-34	71	0.07	**402500**	100
UK1/UKO1/34-40	34-40	78	0.08	**402600**	100
UK1/UKO1/40-46	40-46	86	0.10	**402700**	100
UK1/UKO1/46-52	46-52	97	0.11	**402800**	100
UK1/UKO1/52-58	52-58	100	0.12	**402850**	100
UK1/UKO1/58-64	58-64	103	0.13	**402900**	100
UK1/UKO1/64-70	64-70	116	0.14	**404000**	100

Optional application of Cable Protection Piece RO1.

E-90

UK2/UKO2



UK2/UKO2...

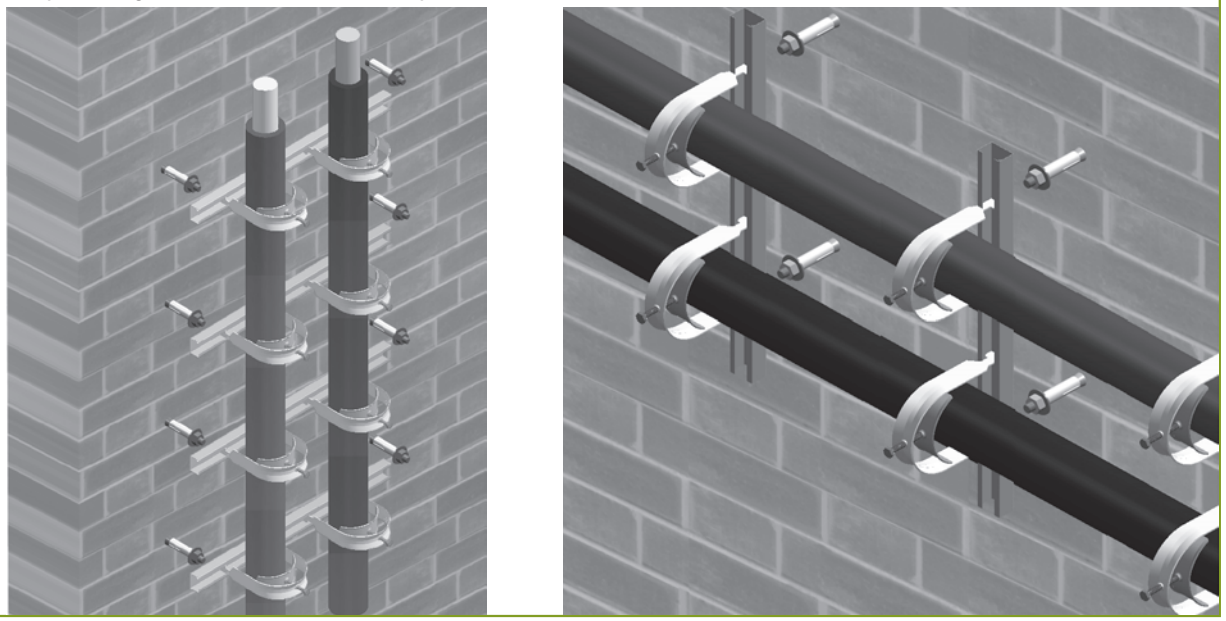
2 cables

CODE	Dimension D mm	Height H mm	kg 1 pc.	Catalogue No.	Qty
UK2/UKO2/16-22	16-22	80	0.07	**403000**	100
UK2/UKO2/22-28	22-28	90	0.09	**403100**	100
UK2/UKO2/28-34	28-34	105	0.10	**403200**	100
UK2/UKO2/34-40	34-40	118	0.12	**403300**	100
UK2/UKO2/40-46	40-46	132	0.15	**403400**	50
UK2/UKO2/46-52	46-52	149	0.16	**403500**	50
UK2/UKO2/52-58	52-58	158	0.18	**403701**	50
UK2/UKO2/58-64	58-64	163	0.20	**403600**	50

APPLICATION
Attaching cables to Cable Ladders DUP, DUD, DUC, DSP, DSC, DST.

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)

Application Examples of Rung SD in Combination with Cable Clamp UK/UKO and Anchor Bolt STR



For mechanical properties of screws and anchors see Section XI page 15

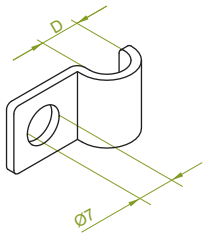
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UDF...



UDF...

CODE	Dimension D mm	≠ 1.2 mm Catalogue No.	Qty
UDF5	5	405505	100
UDF6	6	405506	100
UDF7	7	405507	100
UDF8	8	405508	100
UDF9	9	405509	100
UDF10	10	405510	100
UDF12	12	405512	100
UDF14	14	405514	100

UDF...

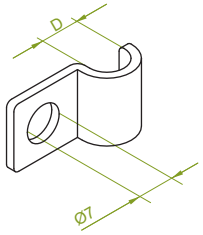
CODE	Dimension D mm	≠ 2.0 mm Catalogue No.	Qty
UDF15	15	405515	100
UDF16	16	405516	100
UDF18	18	405518	100
UDF20	20	405520	100
UDF22	22	405522	100
UDF25	25	405525	100
UDF26	26	405526	100
UDF28	28	405528	100
UDF32	32	405532	100
UDF33	33	405533	100
UDF35	35	405535	100
UDF36	36	405536	100
UDF40	40	405540	100
UDF42	42	405542	100

E-90

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
L- powder coating in a full range of colours (PC)
(info p. 4)

Cable Clip

UDF...



UDF...E

CODE	Dimension D mm	≠ 1.2 mm Catalogue No.	Qty
UDF5E	5	415505	100
UDF6E	6	415506	100
UDF7E	7	415507	100
UDF8E	8	415508	100
UDF9E	9	415509	100
UDF10E		415510	100
UDF12E	12	415512	100
UDF14E	14	415514	100

UDF...E

CODE	Dimension D mm	≠ 2.0 mm Catalogue No.	Qty
UDF15E	15	415515	100
UDF16E	16	415516	100
UDF18E	18	415518	100
UDF20E	20	415520	100
UDF22E	22	415522	100
UDF25E	25	415525	100
UDF26E	26	415526	100
UDF28E	28	415528	100
UDF32E	32	415532	100
UDF33E	33	415533	100
UDF35E	35	415535	100
UDF36E	36	415536	100
UDF40E	40	415540	100
UDF42E	42	415542	100

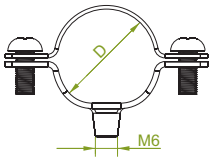
E-90

MATERIAL
Stainless steel (SS), grade 1.4301 (AISI304).

APPLICATION
Fastening cables directly on walls and to ceilings

Cable Clip

KSA



KSA...

CODE	Dimension D mm	Catalogue No.	Qty
KSA6	5-6	805106	100
KSA8	7-8	805108	100
KSA10	9-10	805110	100
KSA12	11-12	805112	100
KSA14	13-14	805114	100
KSA16	15-16	805116	100
KSA18	17-18	805118	100
KSA20	19-20	805120	100
KSA22	21-23	805122	100
KSA24	24-25	805124	100
KSA25	25-26	805125	100
KSA26	26-28	805126	100
KSA28	28-29	805128	100
KSA32	31-32	805132	50
KSA35	34-35	805135	50
KSA37	36-37	805136	50
KSA40	39-40	805140	50
KSA42	41-43	805142	50
KSA47	45-47	805148	50
KSA50	49-50	805150	50
KSA55	52-55	805155	50

E-90

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

APPLICATION
Fastening cables directly on walls and to ceilings

Application Example of UDF

Application Example of UDF, UEF and KSA

For mechanical properties of screws and anchors see Section XI page 15

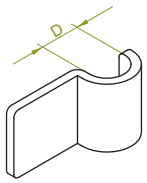
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UDFB...



UDFB...

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB5	5	425505	100
UDFB6	6	425506	100
UDFB7	7	425507	100
UDFB8	8	425508	100
UDFB9	9	425509	100
UDFB10	10	425510	100
UDFB12	12	425512	100
UDFB14	14	425514	100

UDFB...

± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB15	15	425515	100
UDFB16	16	425516	100
UDFB18	18	425518	100
UDFB20	20	425520	100
UDFB22	22	425522	100
UDFB25	25	425525	100
UDFB26	26	425526	100
UDFB28	28	425528	100
UDFB32	32	425532	100
UDFB33	33	425533	100
UDFB35	35	425535	100
UDFB36	36	425536	100
UDFB40	40	425540	100
UDFB42	42	425542	100

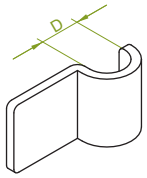
N

E-90

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p. 4)

Cable Clip

UDFB...E



UDFB...E

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB5E	5	425605	100
UDFB6E	6	425606	100
UDFB7E	7	425607	100
UDFB8E	8	425608	100
UDFB9E	9	425609	100
UDFB10E	10	425610	100
UDFB12E	12	425612	100
UDFB14E	14	425614	100

UDFB...E

± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB15E	15	425615	100
UDFB16E	16	425616	100
UDFB18E	18	425618	100
UDFB20E	20	425620	100
UDFB22E	22	425622	100
UDFB25E	25	425625	100
UDFB26E	26	425626	100
UDFB28E	28	425628	100
UDFB32E	32	425632	100
UDFB33E	33	425633	100
UDFB35E	35	425635	100
UDFB36E	36	425636	100
UDFB40E	40	425640	100
UDFB42E	42	425642	100

N

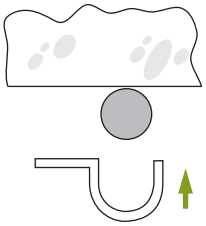
E-90

MATERIAL
Stainless steel (SS), grade 1.4301 (AISI304).

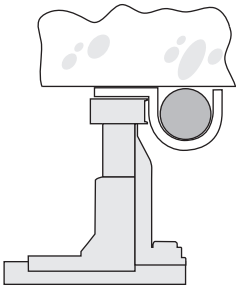
APPLICATION
Fastening cables directly on walls and to ceilings

An example of UDFB application using the Gas Nail Gun OGB

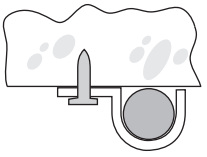
① Laying the clamp to the cable



② Shooting in the nail using the Gas Nail Gun



③



For mechanical properties of screws and anchors see Section XI page 15

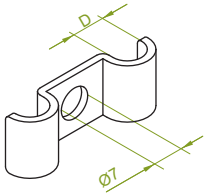
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 0.7 1.0 1.2 1.5 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UEF...



UEF...

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEF5	5	405605	100
UEF6	6	405606	100
UEF7	7	405607	100
UEF8	8	405608	100
UEF9	9	405609	100
UEF10	10	405610	100
UEF12	12	405612	100
UEF14	14	405614	100

UEF...

± 2.0 mm

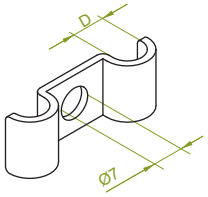
CODE	Dimension D mm	Catalogue No.	Qty
UEF15	15	405615	100
UEF16	16	405616	100
UEF18	18	405618	100
UEF20	20	405620	100
UEF22	22	405622	100
UEF25	25	405625	100
UEF26	26	405626	100
UEF28	28	405628	100
UEF32	32	405632	100
UEF33	33	405633	100
UEF35	35	405635	100
UEF36	36	405636	100
UEF40	40	405640	100
UEF42	42	405642	100

E-90

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p. 4)

Cable Clip

UEF...E



UEF...E

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEF5E	5	415605	100
UEF6E	6	415606	100
UEF7E	7	415607	100
UEF8E	8	415608	100
UEF9E	9	415609	100
UEF10E	10	415610	100
UEF12E	12	415612	100
UEF14E	14	415614	100

UEF...E

± 2.0 mm

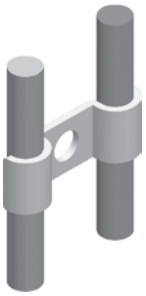
CODE	Dimension D mm	Catalogue No.	Qty
UEF15E	15	415615	100
UEF16E	16	415616	100
UEF18E	18	415618	100
UEF20E	20	415620	100
UEF22E	22	415622	100
UEF25E	25	415625	100
UEF26E	26	415626	100
UEF28E	28	415628	100
UEF32E	32	415632	100
UEF33E	33	415633	100
UEF35E	35	415635	100
UEF36E	36	415636	100
UEF40E	40	415640	100
UEF42E	42	415642	100

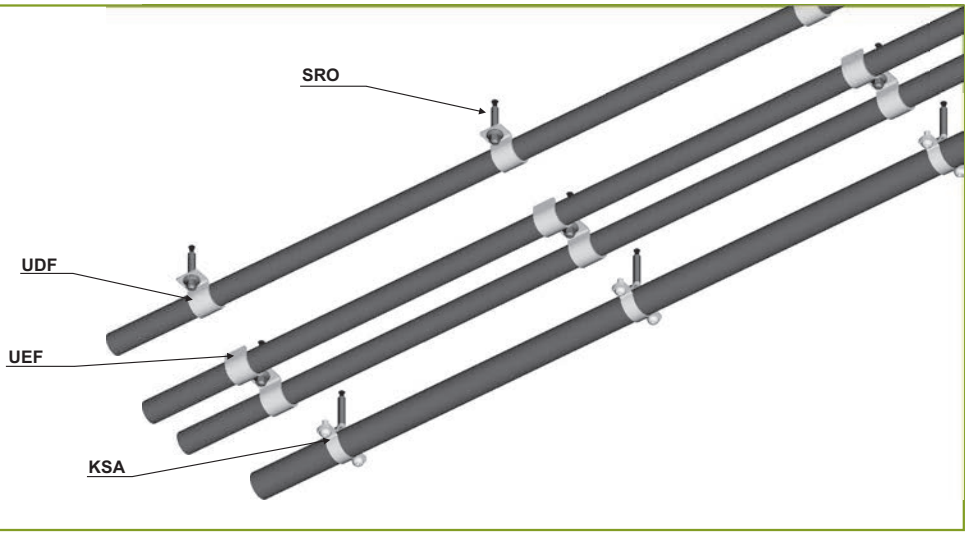
E-90

MATERIAL
Stainless steel (SS), grade 1.4301 (AISI304).

APPLICATION
Fastening cables directly on walls and to ceilings

Application Example of UEF





For mechanical properties of screws and anchors see Section XI page 15

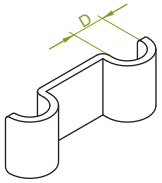
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 0.7 1.0 1.2 1.5 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UEFB...



UEFB...

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB5	5	425705	100
UEFB6	6	425706	100
UEFB7	7	425707	100
UEFB8	8	425708	100
UEFB9	9	425709	100
UEFB10	10	425710	100
UEFB12	12	425712	100
UEFB14	14	425714	100

UEFB...

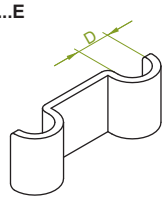
± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB15	15	425715	100
UEFB16	16	425716	100
UEFB18	18	425718	100
UEFB20	20	425720	100
UEFB22	22	425722	100
UEFB25	25	425725	100
UEFB26	26	425726	100
UEFB28	28	425728	100
UEFB32	32	425732	100
UEFB33	33	425733	100
UEFB35	35	425735	100
UEFB36	36	425736	100
UEFB40	40	425740	100
UEFB42	42	425742	100

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p. 4)

Cable Clip

UEFB...E



UEFB...E

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB5E	5	425805	100
UEFB6E	6	425806	100
UEFB7E	7	425807	100
UEFB8E	8	425808	100
UEFB9E	9	425809	100
UEFB10E	10	425810	100
UEFB12E	12	425812	100
UEFB14E	14	425814	100

UEFB...E

± 2.0 mm

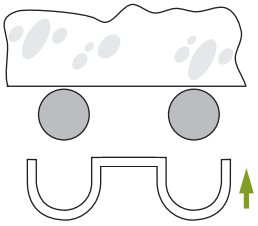
CODE	Dimension D mm	Catalogue No.	Qty
UEFB15E	15	425815	100
UEFB16E	16	425816	100
UEFB18E	18	425818	100
UEFB20E	20	425820	100
UEFB22E	22	425822	100
UEFB25E	25	425825	100
UEFB26E	26	425826	100
UEFB28E	28	425828	100
UEFB32E	32	425832	100
UEFB33E	33	425833	100
UEFB35E	35	425835	100
UEFB36E	36	425836	100
UEFB40E	40	425840	100
UEFB42E	42	425842	100

MATERIAL
Stainless steel (SS), grade 1.4301 (AISI304).

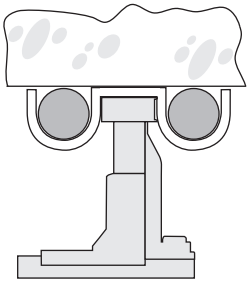
APPLICATION
Fastening cables directly
on walls and to ceilings using the Gas Nail Gun

An example of UDFB application using the Gas Nail Gun OGB

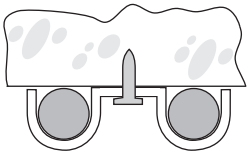
① Laying the clamp to the cable

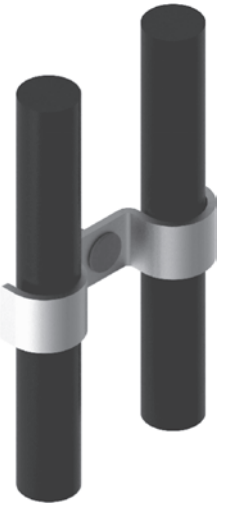


② Shooting in the nail using the Gas Nail Gun



③





For mechanical properties of screws and anchors see Section XI page 15

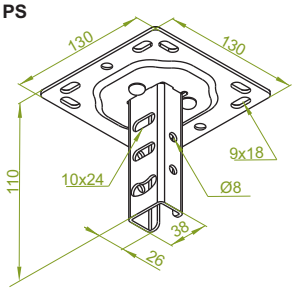
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Head Plate

PS

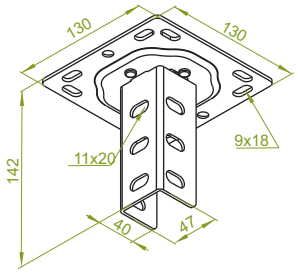


PS

CODE	kg 1 pc.	Catalogue No.	Qty
PS	0.45	740310	50

Arrangement of 'bean-shaped' (oval) openings in the head plate allows for installing the ceiling bracket in four different positions. We have introduced the joint of the head plate with the arm by the use of riveting. Excluding welding of ceiling brackets from the whole production process positively influences the product general appearance.

PSN



PSN

CODE	kg 1 pc.	Catalogue No.	Qty
PSN	0.49	740410	50

Single-sided load distr. on ceiling bracket				
F, 800	Length of ceiling bracket in [mm]	100	200	300
	Safe Working Load "F"max in [kN]	0.25	0.20	0.15
Double-sided load distr. on ceiling bracket				
F, F, 800	Length of ceiling bracket in [mm]	100	200	300
	Safe Working Load "F"max in [kN]	0.45	0.35	0.25

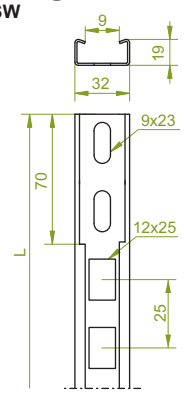
Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATION
Suspending cable routes.

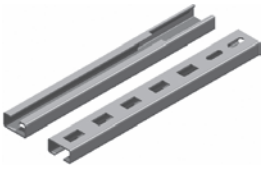
Fixing Channel

PSW



PSW...

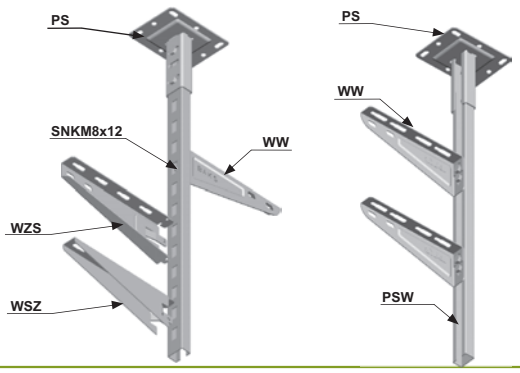
CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
PSW/02	200	0.23	740520	30
PSW/03	300	0.33	740530	30
PSW/04	400	0.43	740540	30
PSW/05	500	0.53	740550	30
PSW/1	1000	1.06	740511	8
PSW/2	2000	2.01	740512	8
PSW/3	3000	3.10	740513	8



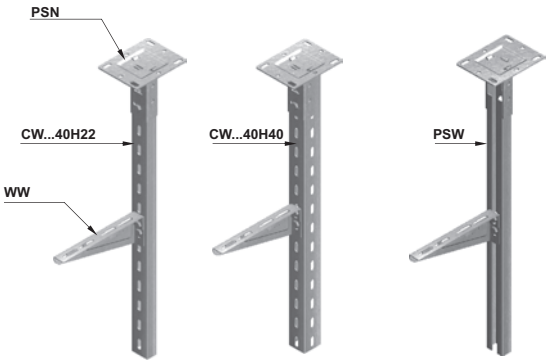
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATION
Used as a supporting element for a full range of brackets.

Application Example of PS
Head Plate PS should be used in combination with Fixing Channel PSW. Will not suit channel 40mm wide.



Application Example of PSN
Head Plate PSN should be used in combination with Fixing Channel PSW, channels 40 and 41 mm wide, and Brackets WW.



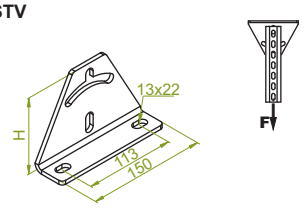
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Fastening Bracket

PSTV



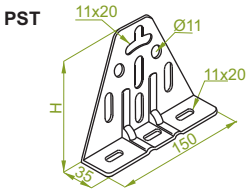
PSTV

± 5.0 mm

CODE	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
PSTV	102	7.00	0.53	**740711**	20

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

PST



PST

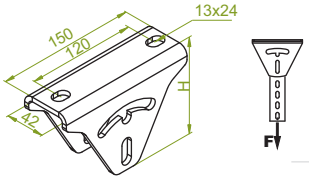
± 3.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
PST	127	0.39	**740710**	40

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Fastening Bracket

PSUV



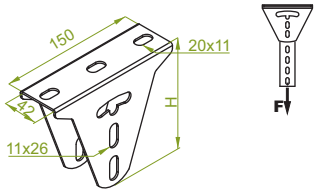
PSUV

± 5.0 mm

CODE	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
PSUV	95	7.00	0.76	**740611**	20

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

PSU



PSU

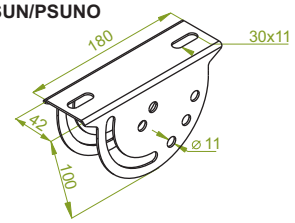
± 2.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
PSU	120	0.41	**740610**	30

APPLICATION
Suspending cable routes.

Fastening Bracket

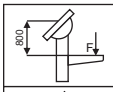
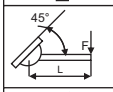
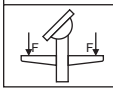
PSUN/PSUNO



PSUN/PSUNO

± 2.0 mm

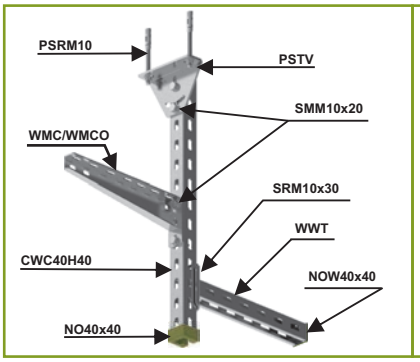
CODE	kg 1 pc.	Catalogue No.	Qty
PSUN/PSUNO	0.45	**741518**	30

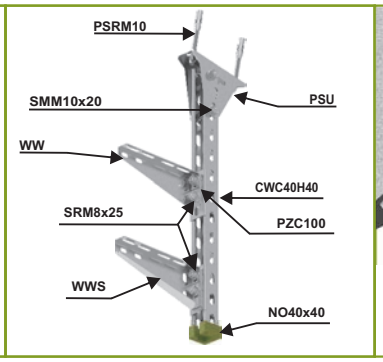
	Length of ceiling bracket in [mm]	100	200	300	400
	Safe Working Load "F_{max} in [kN]	1.10	0.95	0.80	0.70
	Length of ceiling bracket in [mm]	100	200	300	400
	Safe Working Load "F_{max} in [kN]	1.10	0.95	0.80	0.70
	Length of ceiling bracket in [mm]	100	200	300	400
	Safe Working Load "F_{max} in [kN]	1.65	1.50	1.30	1.10

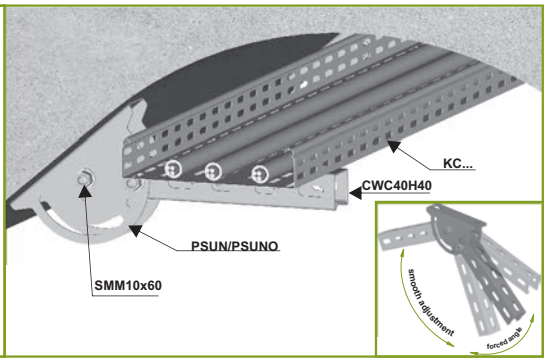
E-90

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATION
Suspending cable routes. Benefits of using angle adjustable head plate are smooth angle adjustment or regulated with a screw.
Recommended is the use of channels:
CW...40H40, CW...40H35, i CM..41H41







For mechanical properties of screws and anchors see Section XI page 15

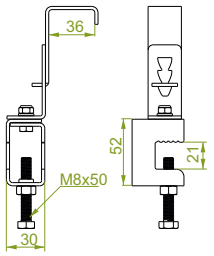
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Universal Holder

UDU1



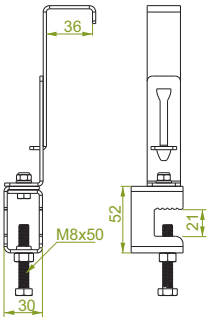
APPLICATIONS
Mounting of long span cable trays and ladders H100, H110, H120 to the I-beam

UDU1

CODE	kg 1 pc.	Catalogue No.	Qty
UDU1	0.23	751626	10

Advantages:
-quick and easy montage of a long span cable tray or ladder to steel construction
-upper rotary part allows for symmetrical mounting of the cable clips (in one line)

UDU2



APPLICATIONS
Mounting of long span cable trays and ladders H150, H160, H200 to the I-beam

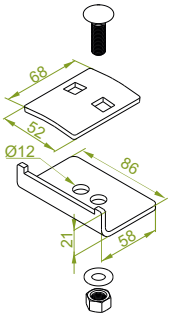
UDU2

CODE	kg 1 pc.	Catalogue No.	Qty
UDU2	0.25	751627	10

Advantages:
-quick and easy montage of a long span cable tray or ladder to steel construction
-upper rotary part allows for symmetrical mounting of the cable clips (in one line)

Cable Ladder Holder

UDD



APPLICATION
Mounting of cable ladders and long span cable ladders to the I-beam

UDD

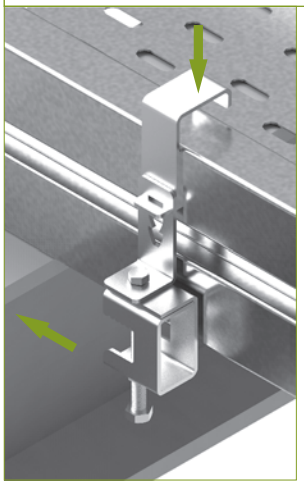
± 4.0

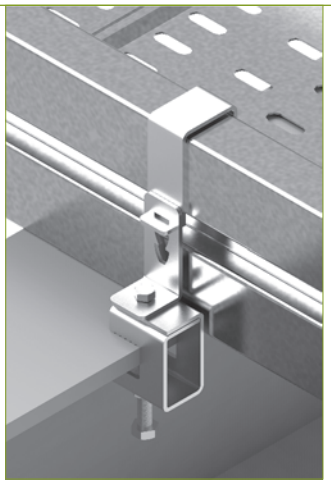
CODE	kg 1 pc.	Catalogue No.	Qty
UDD	0.29	751625	10

NOTE
Cable Ladder Holder comes in set with SGFM10x40 screw.

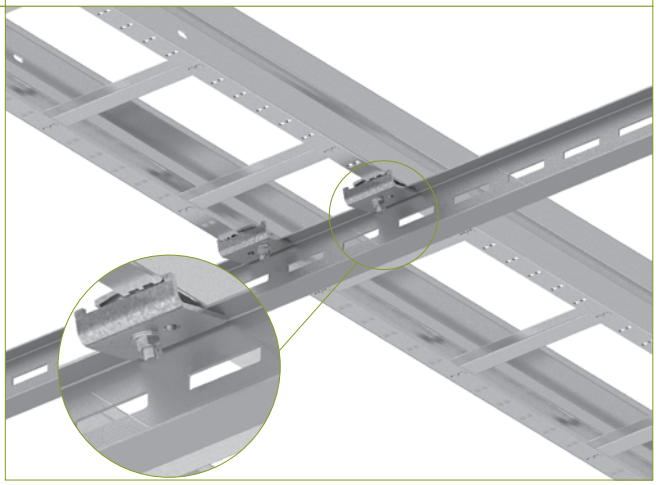
MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09

Application example of UDU...





Application example of UDD

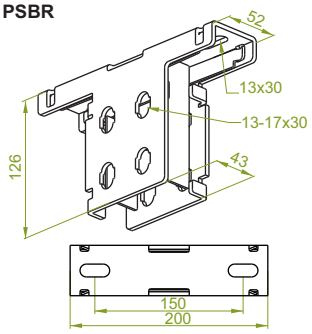


Thickn. (ga) ± [mm]: 2.0 | 2.5 | 3.0 | 4.0 | 5.0 | 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Head Plate with Barier Strip

PSBR



Will suit Support Channels:
CMPC41H82 and CMPM41H82
(slides inside)

APPLICATION
Suspending cable routes.

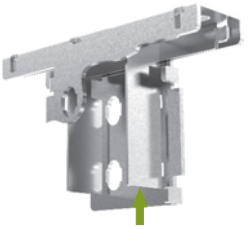
PSBR

CODE	kg 1 pc.	Catalogue No.	Qty
PSBR	1.17	714181	20

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	5.50	4.60	3.80	3.20	2.80	2.50
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	7.80	7.20	6.80	6.10	5.70	5.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

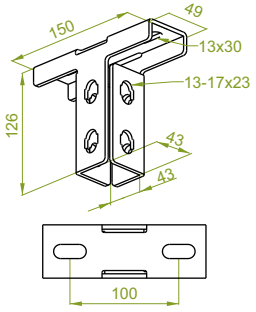
Features & Benefits:
-completes the system
-very durable head plate for new double channels 41H82
-integrated spacer in the base protects channel from strain and shortens assembly time
-bracket can be mounted to any side of a channel (even from the open side, what gives possibility of smooth regulation)



integrated barrier strip

Head Plate

PSB



Will suit Support Channels:
CMPC41H42 and CMPM41H42
(slides inside)

APPLICATION
Suspending cable routes.

PSB

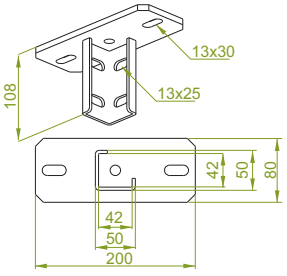
CODE	kg 1 pc.	Catalogue No.	Qty
PSB	0.78	714123	10

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	1.90	1.70	1.30	1.10	1.00	0.90
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	2.80	2.50	2.20	2.00	1.80	1.60

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

Features & Benefits:
-completes the system
-very durable head plate for new double channels 41H42
-integrated spacer in the base protects channel from strain and shortens assembly time
-bracket can be mounted to any side of a channel (even from the open side, what gives possibility of smooth regulation)

PSKK



Will suit Channels: CM...41H41
(slides inside) **and CC55H50**
(slides outside)

APPLICATION
Suspending cable routes.

PSKK

CODE	kg 1 pc.	Catalogue No.	Qty
PSKK	1.27	714124	10

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	1.80	1.60	1.20	1.00	0.90	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	2.60	2.30	2.00	1.80	1.60	1.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of PSBR...

Application Example of PSB

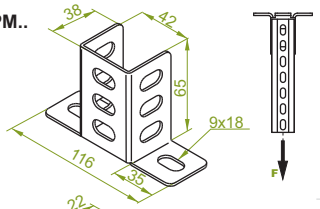
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

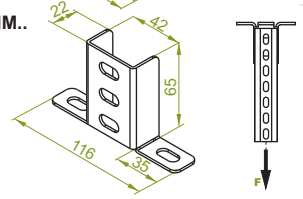
Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Base Plate

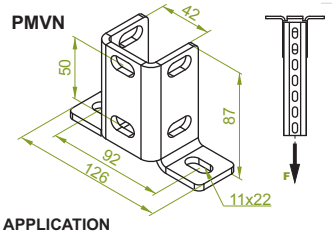
PM..



PMM..



PMVN



APPLICATION
Suspending cable routes.

PMN

± 2.0 mm

CODE	1 pc. [kg]	Catalogue No.	Qty
PMN	0.16	740807	50

PMTN

± 3.0 mm

CODE	1 pc. [kg]	Catalogue No.	Qty
PMTN	0.24	740907	50

PMMN

± 2.0 mm

CODE	1 pc. [kg]	Catalogue No.	Qty
PMMN	0.14	741007	50

PMMTN

± 3.0 mm

CODE	1 pc. [kg]	Catalogue No.	Qty
PMMTN	0.21	741107	50

PMVN

± 5.0 mm

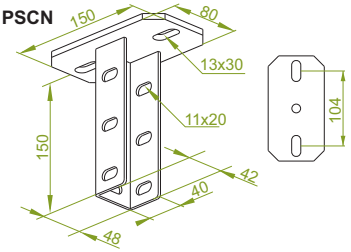
CODE	Safe Working Load $F_{max.}$[kN]	1 pc. [kg]	Catalogue No.	Qty
PMVN	7.00	0.48	741207	30

MATERIAL
Steel, strip-galv.
acc. to the Sendzimir method
to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Head Plate

PSCN



Will suit Support Channels: CW...40H40, CM...41H41, CTM..40H40

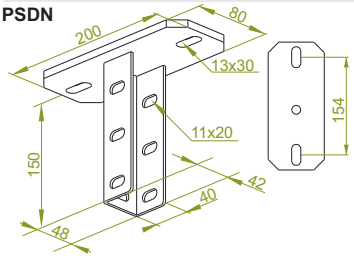
PSCN

CODE	1 pc. [kg]	Catalogue No.	Qty
PSCN	0.80	751210	30

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	1.80	1.60	1.20	1.00	0.90	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	2.60	2.30	2.00	1.80	1.60	1.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

PSDN



Will suit Support Channels: CC55H50, CT55H50, CWC40H40, CWT40H40, CM..41H41, CTMT40H40, CTMC40H40

APPLICATION
Suspending heavy duty cable routes

PSDN

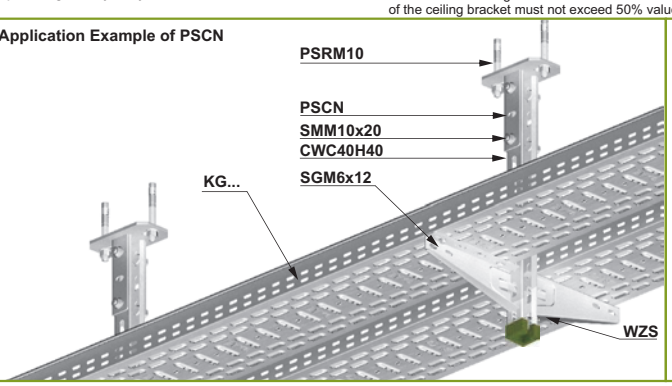
CODE	1 pc. [kg]	Catalogue No.	Qty
PSDN	0.90	751410	20

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	1.90	1.70	1.30	1.10	1.00	0.90
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	2.80	2.50	2.20	2.00	1.80	1.60

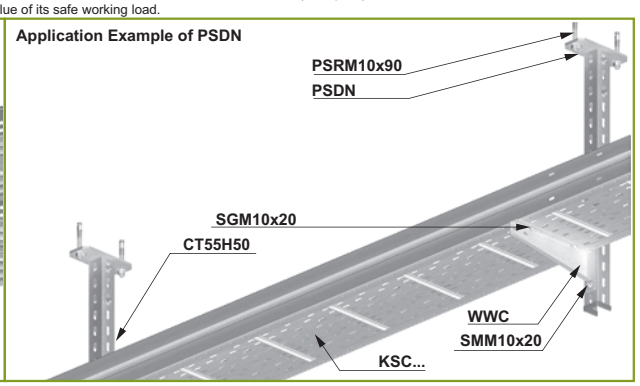
Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of PSCN



Application Example of PSDN



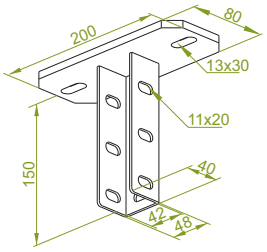
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

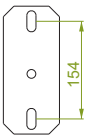
Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Head Plate

PSDDN



Will suit Channels:
CC55H50, CT55H50, CWC40H40, CWT40H40, CM..41H41, CTMT40H40, CTMC40H40



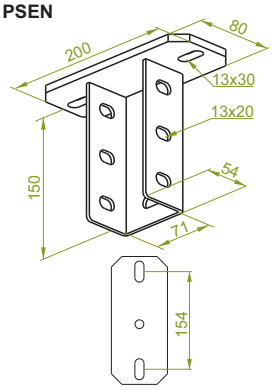
PSDDN

CODE	kg 1 pc.	Catalogue No.	Qty
PSDDN	0.90	751510	20

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max. in [kN]	1.90	1.70	1.30	1.10	1.00	0.90
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max. in [kN]	2.80	2.50	2.20	2.00	1.80	1.60

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

PSEN



Will suit Channels:
CE70H50, CT70H50

APPLICATION
Suspending heavy duty cable routes

PSEN

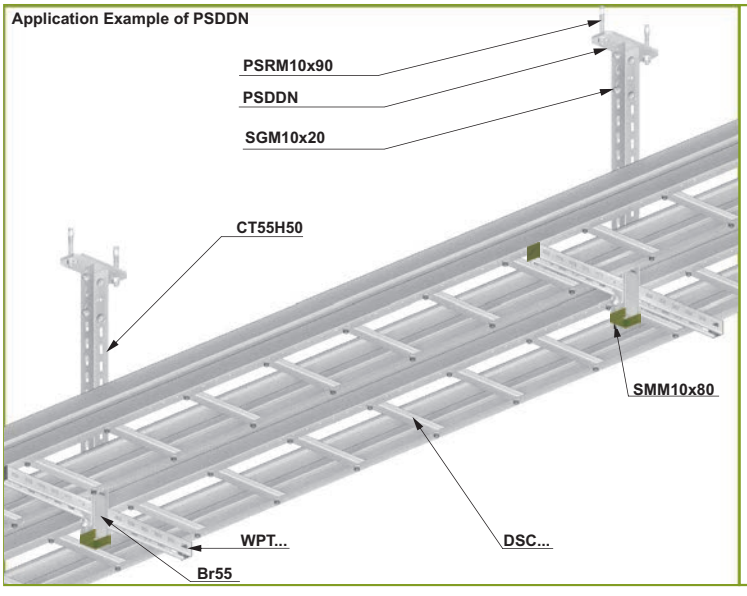
CODE	kg 1 pc.	Catalogue No.	Qty
PSEN	2.67	741620	10

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max. in [kN]	5.50	4.60	3.80	3.20	2.80	2.50
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max. in [kN]	7.80	7.20	6.80	6.10	5.70	5.40

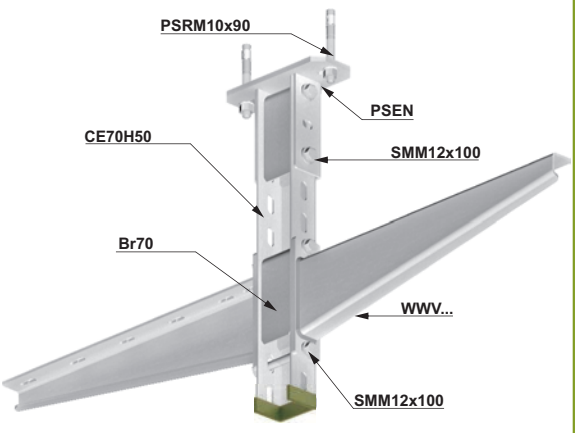
Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of PSDDN



Application Example of PSEN

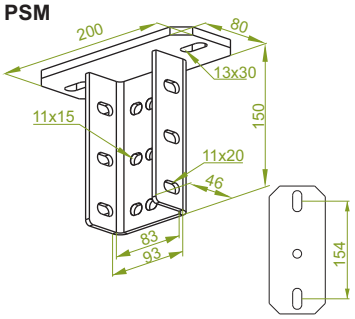


For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Head Plate

PSM



Will suit Support Channels:
CTMT40H80 and CMT40H80

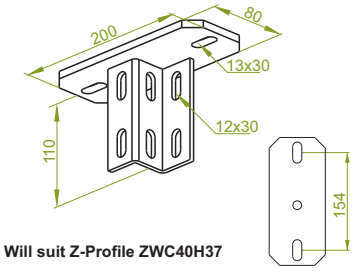
PSM

CODE	kg 1 pc.	Catalogue No.	Qty
PSM	2.67	**741621**	10

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	5,50	4,60	3,80	3,20	2,80	2,50
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	7.80	7.20	6.80	6.10	5.70	5.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

PSZN



Will suit Z-Profile ZWC40H37

APPLICATION
Suspending heavy duty cable routes

PSZN

CODE	kg 1 pc.	Catalogue No.	Qty
PSZN	0.98	**741310**	20

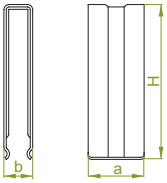
Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	2.00	1.80	1.50	1.20	1.00	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	2.80	2.40	2.00	1.60	1.40	1.20

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Spacer

BR...

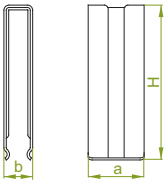


BR...

CODE	Width a mm	Height H mm	Dimension b mm	Catalogue No.	Qty
BR40	35	100	15	**700100**	50
BR50	44	140	15	**700210**	50
BR55	47	140	15	**700300**	50
BR70	60	140	15	**700400**	50

Spacer

BRP40



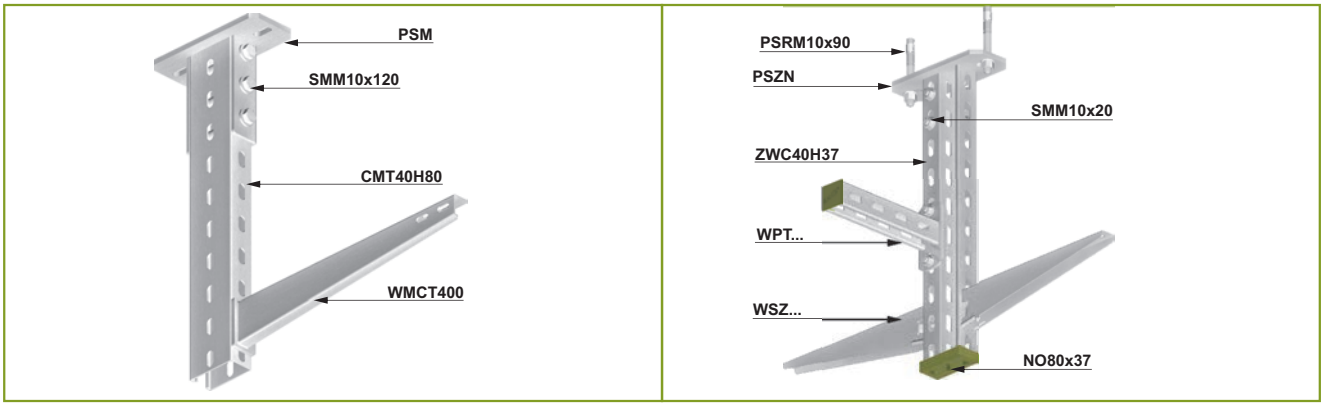
APPLICATION
Used as spacer protecting against crushing steel profile during installation. Used with channel and Z-Profile

BRP40

CODE	Width a mm	Height H mm	Dimension b mm	Catalogue No.	Qty
BRP40	35	140	15	**700500**	50

We recommend using spacers BR... when screwing up Head plates with steel profiles. Spacer BR...
Protects against crushing channel or Z – profiles During installation.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

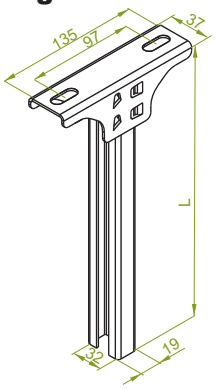


For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

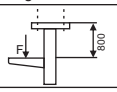
Ceiling Bracket

WSP

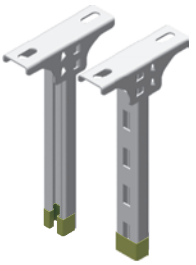


WSP...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WSP200	200	0.32	**720420**	20
WSP300	300	0.42	**720430**	20
WSP400	400	0.49	**720440**	20
WSP500	500	0.58	**720450**	20
WSP600	600	0.68	**720460**	20
WSP700	700	0.77	**720470**	8
WSP800	800	0.86	**720480**	8
WSP900	900	0.95	**720490**	8
WSP1000	1000	1.04	**720411**	8

Single-sided load distr. on ceiling bracket				
	Length of ceiling bracket in [mm]	100	200	300
	Safe Working Load "F"$_{max.}$in [kN]	0.40	0.25	0.20

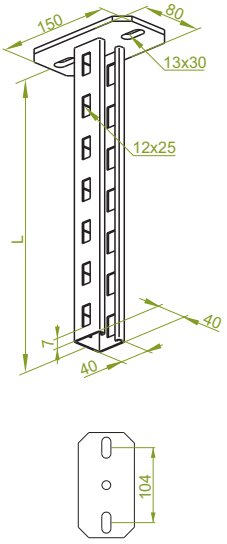
Safe Working Load "F"$_{max.}$ = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight.



MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Ceiling Bracket

WPCW/WPCO



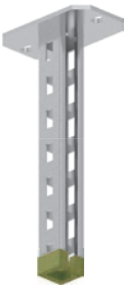
APPLICATION
Suspending cable routes.

WPCW/WPCO...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPCW/WPCO200	215	0.90	**750620**	20
WPCW/WPCO300	315	1.10	**750630**	20
WPCW/WPCO400	415	1.30	**750640**	10
WPCW/WPCO500	515	1.47	**750650**	10
WPCW/WPCO600	615	1.67	**750660**	10
WPCW/WPCO700	700	1.86	**750670**	10
WPCW/WPCO800	800	2.10	**750680**	10
WPCW/WPCO900	900	2.25	**750690**	10
WPCW/WPCO1000	1000	2.45	**750611**	10
WPCW/WPCO1100	1100	2.70	**750511**	10
WPCW/WPCO1200	1200	2.95	**750512**	10
WPCW/WPCO1500	1500	3.26	**750515**	4
WPCW/WPCO2000	2000	4.90	**750612**	4
WPCW/WPCO3000	3000	6.35	**750613**	4
WPCW4000	4000	8.25	**750641**	4
WPCW5000	5000	10.15	**750651**	4
WPCW6000	6000	12.10	**750661**	4

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	1.80	1.60	1.20	1.00	0.90	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max.}$in [kN]	2.60	2.30	2.00	1.80	1.60	1.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.



E-90

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Protective Cap

NO...

NO40x40N

APPLICATION
Protecting installers against cut from steel edges; improving overall product appearance.

NO32x18N

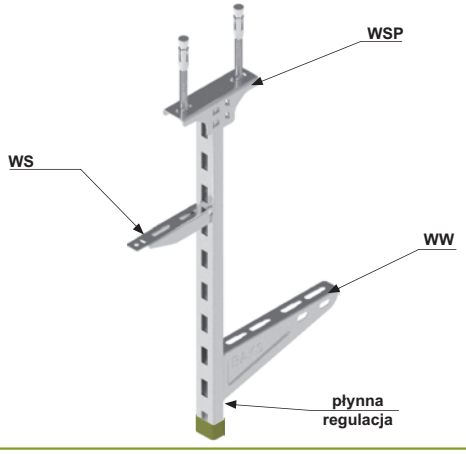
CODE	Width a mm	Height H mm	Catalogue No.	Qty
NO32x18N	32	18	**760310**	100

NO40x40N

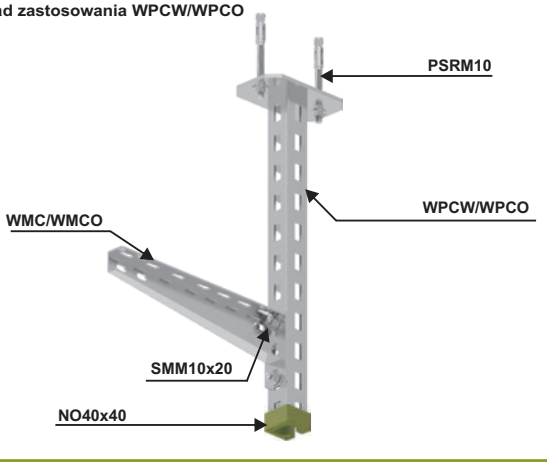
CODE	Width a mm	Height H mm	Catalogue No.	Qty
NO40x40N	40	40	**760510**	100

MATERIAL
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010. silver to RAL 9006.

Przykład zastosowania WSP



Przykład zastosowania WPCW/WPCO



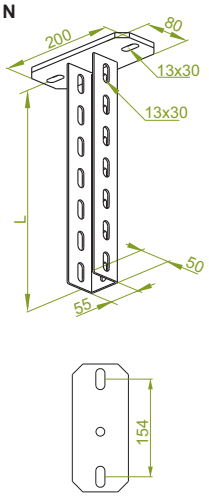
For mechanical properties of screws and anchors see Section XI page 15

E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Ceiling Bracket

WPCT N



WPCT...N

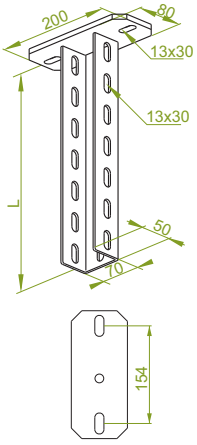
CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPCT200N	200	1.26	**731220**	10
WPCT300N	300	1.54	**731230**	10
WPCT400N	400	1.82	**731240**	10
WPCT500N	500	2.10	**731250**	10
WPCT600N	600	2.37	**731260**	4
WPCT700N	700	2.65	**731270**	4
WPCT800N	800	2.93	**731280**	4
WPCT900N	900	3.21	**731290**	4
WPCT1000N	1000	3.49	**731211**	4
WPCT1100N	1100	3.84	**730011**	4
WPCT1200N	1200	4.18	**730012**	4
WPCT1500N	1500	5.35	**731215**	4
WPCT2000N	2000	6.28	**731212**	4
WPCT3000N	3000	9.60	**731213**	4

Single-sided load distr. on ceiling bracket							
		100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	1.80	1.60	1.20	1.00	0.90	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	2.60	2.30	2.00	1.80	1.60	1.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

Ceiling Bracket

WPCE/WPCEO



WPCE/WPCEO...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPCE/WPCEO200	200	2.32	**721520**	10
WPCE/WPCEO300	300	2.66	**721530**	10
WPCE/WPCEO400	400	3.04	**721540**	4
WPCE/WPCEO500	500	3.42	**721550**	4
WPCE/WPCEO600	600	3.80	**721560**	4
WPCE/WPCEO700	700	4.18	**721570**	4
WPCE/WPCEO800	800	4.56	**721580**	2
WPCE/WPCEO900	900	4.94	**721590**	2
WPCE/WPCEO1000	1000	5.32	**721511**	2
WPCE/WPCEO1100	1100	5.85	**721411**	2
WPCE/WPCEO1200	1200	6.38	**721412**	2
WPCE/WPCEO1500	1500	7.88	**721415**	2
WPCE/WPCEO2000	2000	9.12	**721512**	2
WPCE/WPCEO3000	3000	12.92	**721513**	2

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	5.50	4.60	3.80	3.20	2.80	2.50
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"max.in [kN]	7.80	7.20	6.80	6.10	5.70	5.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

E-90 Strong

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

APPLICATION
Suspending cable routes.

Protective Cap

NO...

NO55x50N

CODE	Width a mm	Height H mm	Catalogue No.	Qty
NO55x50N	55	50	**760610**	100

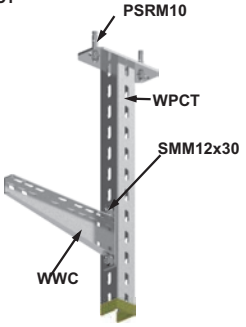
NO70x50N

CODE	Width a mm	Height H mm	Catalogue No.	Qty
NO70x50N	70	50	**760710**	100

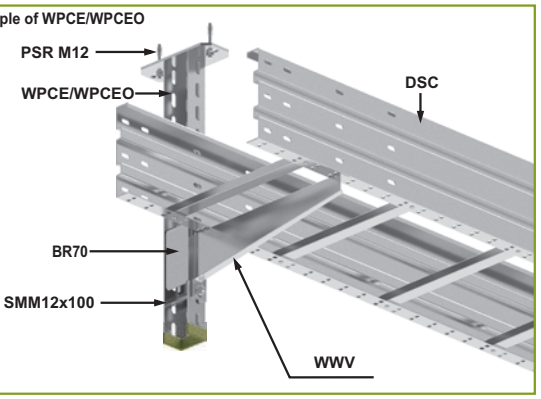
MATERIAL
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010. silver to RAL 9006.

APPLICATION
Protecting installers against cut from steel edges; improving overall product appearance.

Application Example of WPCT



Application Example of WPCE/WPCEO



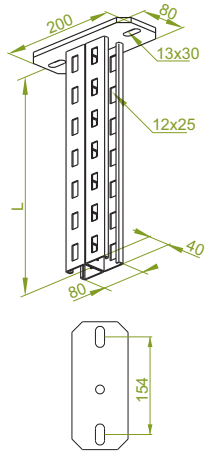
For mechanical properties of screws and anchors see Section XI page 15

E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Ceiling Bracket

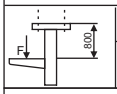
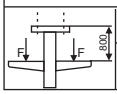
WPCD N



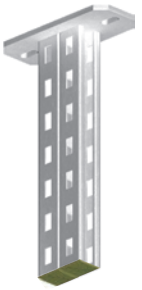
APPLICATION
Suspending cable routes.

WPCD...N

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPCD200N	200	1.48	**730820**	10
WPCD300N	300	1.68	**730830**	10
WPCD400N	400	2.26	**730840**	4
WPCD500N	500	2.65	**730850**	4
WPCD600N	600	3.04	**730860**	4
WPCD700N	700	3.50	**730870**	2
WPCD800N	800	3.82	**730880**	2
WPCD900N	900	4.21	**730890**	2
WPCD1000N	1000	4.60	**730811**	2
WPCD2000N	2000	8.50	**730812**	2
WPCD3000N	3000	12.40	**730813**	2

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F''_{max} in [kN]	2.10	1.80	1.60	1.40	1.20	1.10
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F''_{max} in [kN]	2.90	2.50	2.20	1.90	1.70	1.50

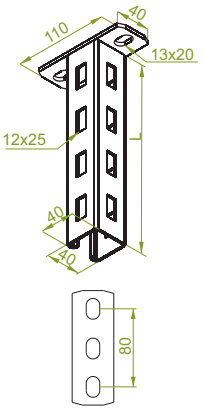
Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.



NOTE:
A new way of joining channels by of special rivets

Bracket

WPT/WPTO

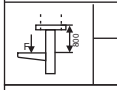
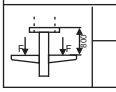


APPLICATION
Suspending cable routes and installing cable trays, ladders, pipes and other components, particularly where installation of cable runs is space-restricted
(e.g. above suspended ceilings)

WPT/WPTO...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPT/WPTO100	115	0.48	**710910**	30
WPT150	165	0.57	**710915**	30
WPT200	215	0.65	**710920**	30
WPT300	315	0.92	**710930**	30
WPT400	415	1.12	**710940**	20
WPT500	515	1.33	**710950**	20
WPT600	615	1.39	**710960**	20
WPT700	700	1.78	**710970**	8
WPT800	800	1.93	**710980**	8
WPT900	900	2.16	**710990**	8
WPT1000	1000	2.38	**710911**	8

IMPORTANT!
Non-standard lengths of brackets available upon request

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F''_{max} in [kN]	0.55	0.50	0.48	0.45	0.42	0.40
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F''_{max} in [kN]	2.20	2.00	1.70	1.50	1.30	1.20

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

E-90

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Protective Cap

NOW...

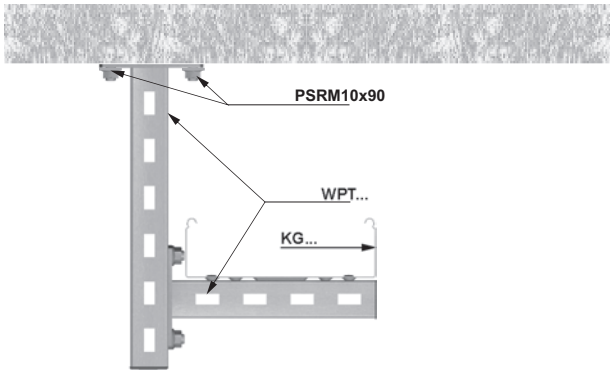
APPLICATION
Protecting installers against cut from steel edges; improving overall product appearance.

NOW

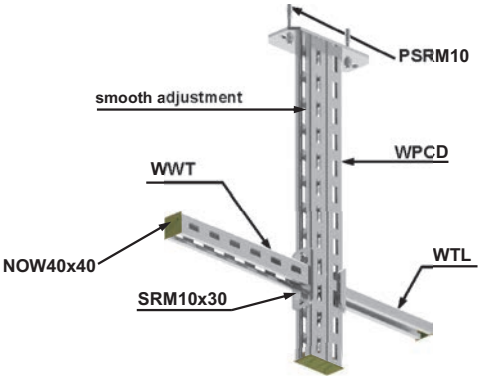
CODE	Width a mm	Height H mm	Catalogue No.	Qty
NOW40x22	40	22	**760100**	100
NOW40x40	40	40	**760400**	100

MATERIAL
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010. silver to RAL 9006.

Application Example of WPT



Application Example of WPCD



For mechanical properties of screws and anchors see Section XI page 15

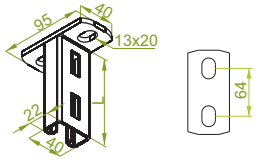
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WPL



APPLICATION
Suspending cable routes and installing cable trays, ladders, pipes and other components, particularly where installation of cable runs is space-restricted
(e.g. above suspended ceilings)

WPL...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPL100	115	0.20	**710710**	50
WPL150	165	0.27	**710715**	50
WPL200	215	0.34	**710720**	50
WPL300	315	0.49	**710730**	30
WPL400	415	0.61	**710740**	30
WPL500	515	0.75	**710750**	30

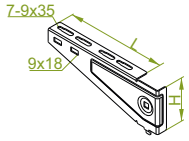
IMPORTANT!
Non-standard lengths of brackets available upon request

Single-sided load distr. on ceiling bracket				
	Length of ceiling bracket in [mm]	100	200	300
	Safe Working Load "F"$_{max}$ in [kN]	0.50	0.35	0.3

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Bracket

WWB



APPLICATION
Suspending cable routes.Designed for assembly together with WPCB... Ceiling Bracket

WWB...

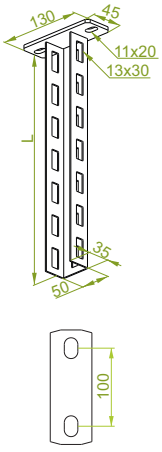
CODE	Height H mm	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WWB100	80	115	1.20	0.20	**711710**	10
WWB200	90	215	1.40	0.40	**711720**	10
WWB300	115	315	1.90	0.75	**711730**	10
WWB400	115	415	1.80	1.20	**711740**	10

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. .

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv.
to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Ceiling Bracket

WPCB



APPLICATION
Suspending cable routes.

WPCB...

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
WPCB200	200	0.72	**752002**	10
WPCB300	300	0.88	**752003**	10
WPCB400	400	1.04	**752004**	10
WPCB500	500	1.18	**752005**	6
WPCB600	600	1.34	**752006**	6
WPCB700	700	1.48	**752007**	2
WPCB800	800	1.68	**752008**	2
WPCB900	900	1.80	**752009**	2
WPCB1000	1000	1.96	**752010**	2
WPCB2000	2000	3.52	**752020**	2
WPCB3000	3000	5.08	**752030**	2

Single-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max}$ in [kN]	1.80	1.60	1.20	1.00	0.90	0.80
Double-sided load distr. on ceiling bracket							
	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "F"$_{max}$ in [kN]	2.60	2.30	2.00	1.80	1.60	1.40

Safe Working Load "F"max. = cable weight + weight of cable tray + weight of ceiling bracket + weight of bracket without an average man's (an installer's) weight. In case of double-sided weight distribution the difference between the forces on both sides of the ceiling bracket must not exceed 50% value of its safe working load.

MATERIAL
Stal S355 cynkowana metodą zanurzeniową
to PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p. 4)

Protective Cap

NO50x35

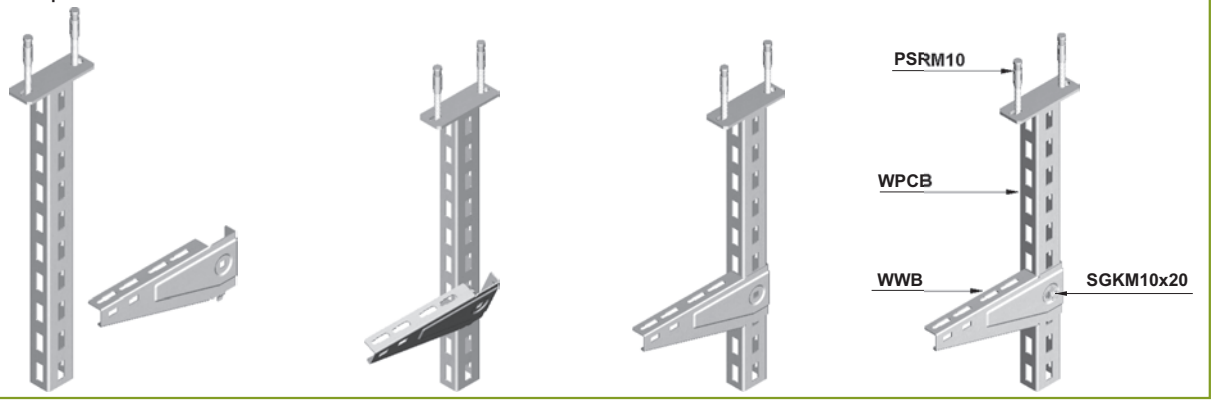
APPLICATION
Protecting installers against cut from steel edges; improving overall product appearance.

NO50x35

CODE	Catalogue No.	Qty
NO50x35	**670805**	100

MATERIAL
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010. silver to RAL 9006.

Application Example of WWB... and WPCB



For mechanical properties of screws and anchors see Section XI page 15

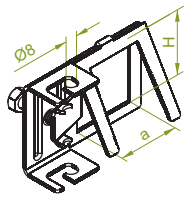
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Channel Hanger

UPC



APPLICATION
Suspending cable routes.

UPC

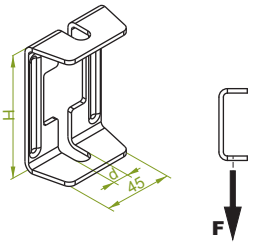
CODE	Width a mm	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UPC	42	42	0.4	0.08	**751007**	50

Channel Hanger UPC is used in combination with channel 40mm wide and up to 40mm high

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09

Rod Hanger

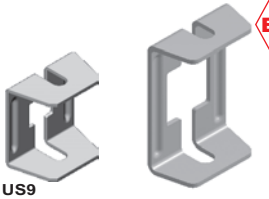
US



US...

± 2.0 mm

CODE	Dimension Length H mm	Dimension Sheet thickness d mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
US9	50	9	2	1.60	0.10	**750708**	100
US12/USO12	80	12	3	1.50	0.14	**750508**	100

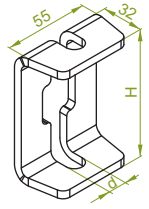


US9 **US12/USO12**

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Rod Hanger

USV/USOV



APPLICATION
Suspending cable routes.

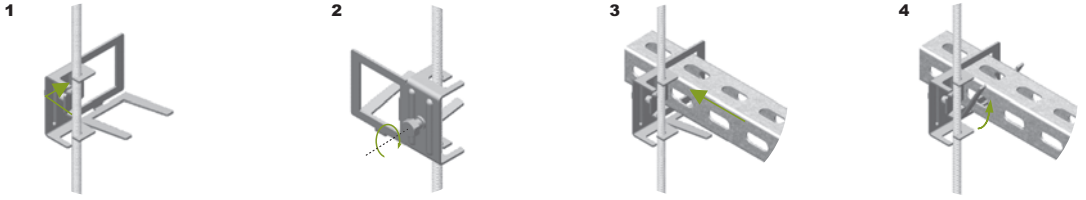
USV/USOV

± 5.0 mm

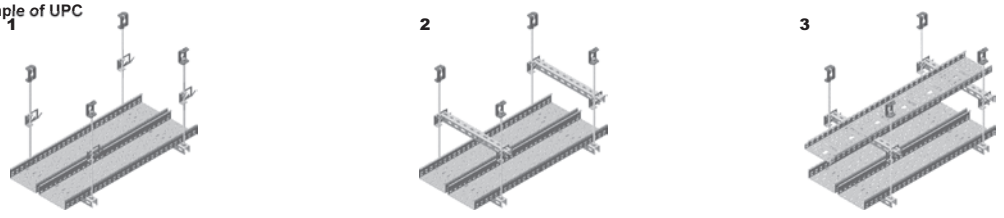
CODE	Height H mm	Dimension d mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
USV/USOV	80	13	3.50	0.21	**750709**	50

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

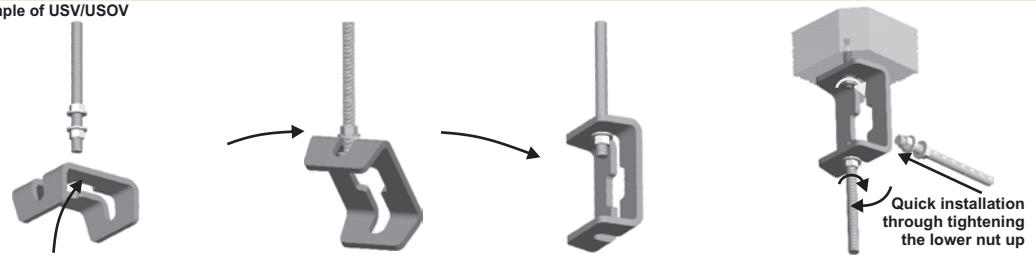
Application Examples of channel hanger. Suspending additional cable runs over the existing one, on Threaded Rod PGM8



Application Example of UPC



Application Example of USV/USOV



For mechanical properties of screws and anchors see Section XI page 15

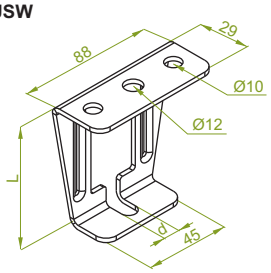
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rod Hanger

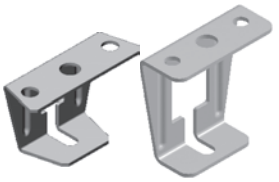
USW



APPLICATION
Suspending cable routes.

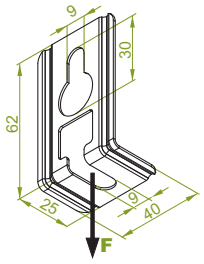
USW...

CODE	Length L mm	Dimension d mm	Sheet thickness mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
USW9	50	9	2	2.20	0.12	**750808**	50
USW12	80	12	3	2.00	0.16	**750608**	50



Rod Hanger

WP



WP

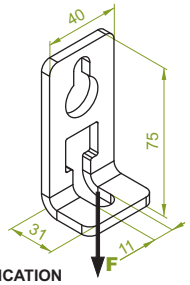
± 2.0 mm

CODE	Safe working max. F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WP	0.60	0.04	**731300**	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Rod Hanger

WPV



APPLICATION
Suspending cable routes. Smooth angle adjustment: Recommended is the use of Beam Clamps ZC

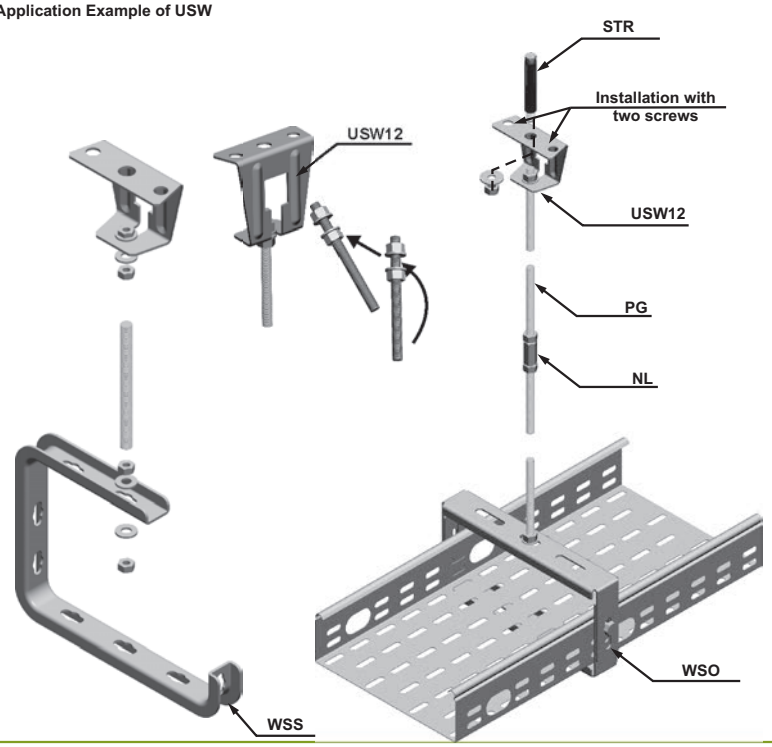
WPV

± 5.0 mm

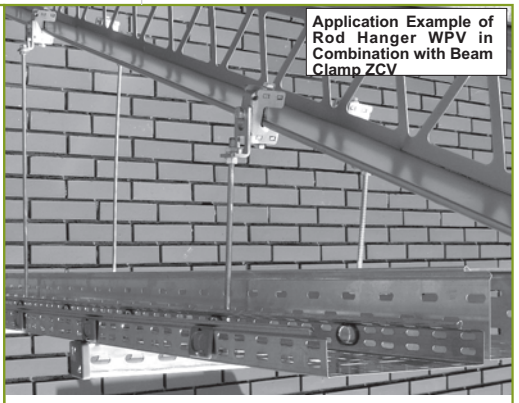
CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WPV	3.50	0.11	**731301**	50

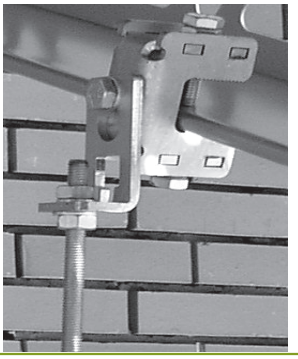
MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of USW



Application Example of Rod Hanger WPV in Combination with Beam Clamp ZCV





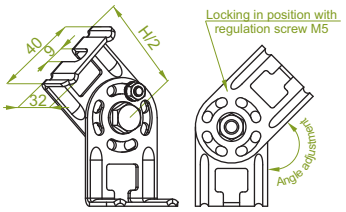
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Articulated Rod Hanger

WPPG

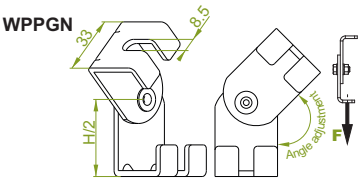


WPPG

± 2.0 mm

CODE	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	qty
WPPG	93	1.50	0.14	**731400**	100

WPPGN

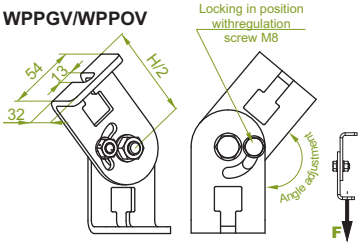


± 3.0 mm

CODE	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	qty
WPPGN	78	1.60	0.30	**731403**	50

MATERIAL
Steel, galvanized acc. to Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

WPPGV/WPPOV



± 5.0 mm

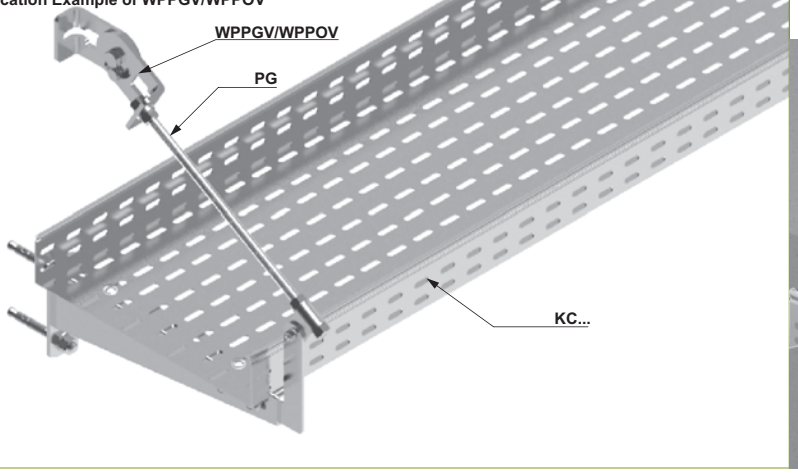
CODE	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	qty
WPPGV/WPPOV	123	3.50	0.41	**731401**	50

E-90 Strong

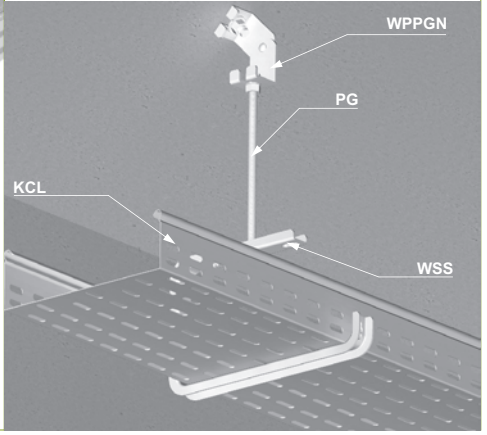
MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATION
Suspending cable routes from walls and ceilings run at an angle.

Application Example of WPPGV/WPPOV



Application Example of WPPGN



For mechanical properties of screws and anchors see Section XI page 15

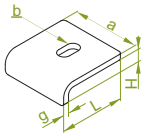
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Hold Down Clamp

UD

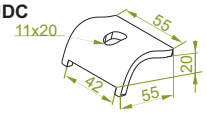


UD...

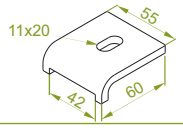
CODE	Length L mm	Width a mm	Height H mm	Hole b mm	Sheet thickness g mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UD	60	30	12	11x20	5	1.80	0.07	**750706**	100
UD1	60	60	12	11x20	5	4.00	0.15	**751206**	50
UD2	60	60	20	11x20	5	4.00	0.20	**751306**	50
UD3	70	60	20	13x20	8	6.00	0.32	**751406**	30
UD4	70	80	28	13x20	8	6.50	0.42	**751606**	25

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

UDC



Stainless Steel version



UDC

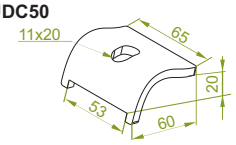
≠ 6.0 mm

CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UDC	4.00	0.16	**750806**	50

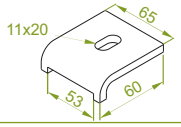
Note.
Product has been modified. Dimensions have changed from 47 to 42, and 60 to 55

E-90
Strong

UDC50



Stainless Steel version



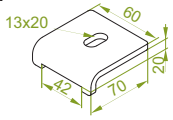
UDC50

≠ 6.0 mm

CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UDC50	4.00	0.20	**750908**	50

N
Strong

UDC1



APPLICATION
Suspending cable routes.

UDC1

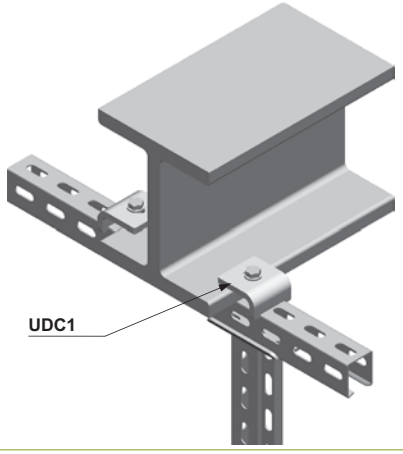
≠ 8.0 mm

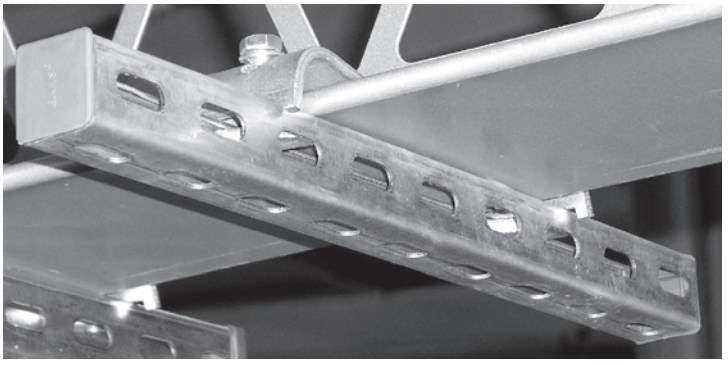
CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UDC1	6.00	0.24	**751506**	30

Strong

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of UD, UDC1





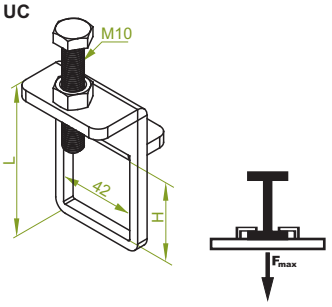
E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

UC



UC...

± 5.0 mm

CODE	Length L mm	Height H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UC22	62	24	2.0	0.15	**752401**	100
UC40	80	42	2.0	0.16	**752402**	50
UC60	100	61	2.0	0.17	**752403**	50

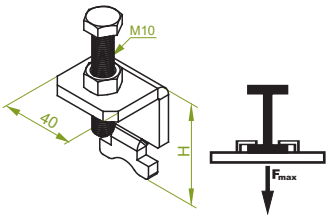
UC22 fit channel sections:
CM..41H21, CW...40H21.

UC40 fit channel sections:
CM...41H41, CMM...40H40, CTM...40H40, CW...40H40.

UC60 fit channel sections:
CM...40H60, CTM...40H60, CW...40H60.

Strong

UCM3 I UCM4



UCM..

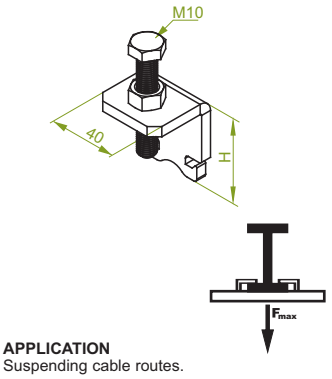
CODE	Height H mm	Sheet thickness mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UCM3	50	6	2.0	0.19	**752406**	30
UCM4	54	8	3.6	0.23	**752407**	30

UCM3 and UCM4 pit channel sections:
CM...41H21, CM...40H30, CM...40H40, CMM...40H40, CM...40H60, CM...40H80, CTM...40H40, CTM...40H60, CTM...40H80.

Strong

Beam Clamp

UCW...



APPLICATION
Suspending cable routes.

UCW...

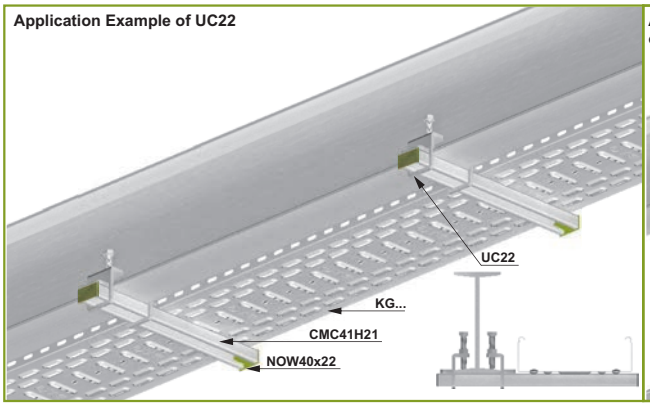
CODE	Height H mm	Sheet thickness mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
UCW1	46	6	2.0	0.18	**752408**	30
UCW2	50	8	2.5	0.22	**752409**	30

UCW1 and UCW2 it channel sections:
CW...40H22, CW...40H35, CW...40H40, CW...40H60, CW...40H80.

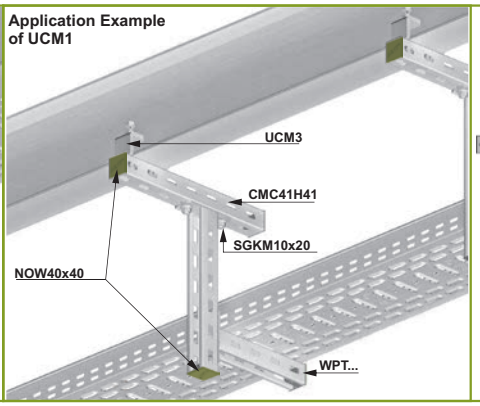
Strong

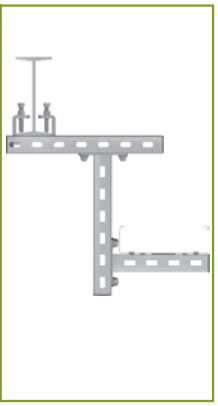
MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of UC22



Application Example of UCM1





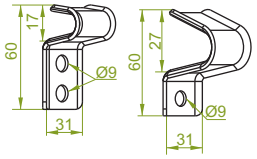
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZD ZDW



ZD

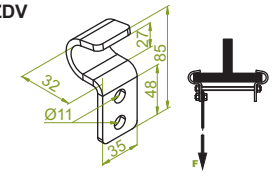
CODE	kg 1 pc.	Catalogue No.	Qty
ZD	0.06	750906	100

ZDW

CODE	kg 1 pc.	Catalogue No.	Qty
ZDW	0.08	751006	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

ZDV



APPLICATION
Suspending cable routes.

ZDV

± 5.0 mm

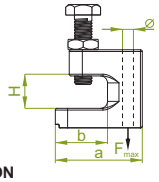
CODE	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
ZDV	3.00	0.18	750907	50

Strong

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Beam Clamp

ZK



APPLICATION
Fixing threaded rods to I-beams, angles, etc.

ZK...

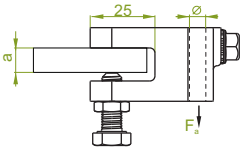
CODE	Hole Ø mm	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
ZK8/19	9	38	21	19	1.20	0.13	752208	50
ZK8/23	9	50	29	23	1.20	0.14	752209	50
ZK10	11	51	23	22	1.20	0.14	752210	50
ZK12	13	58	24	26	2.50	0.18	752212	50

E-90

MATERIAL
Forged steel, electro-galvanised
Available finishes:
F- forged steel using zinc flake coating PN-EN ISO 10683:2014-09

Quick Beam Clamp

ZSM..



APPLICATION
Fixing threaded rods to I-beams, angles, etc.

ZSM..

CODE	Hole Ø mm	Dimension a mm	Safe Working Load F_a [kN]	kg 1 pc.	Catalogue No.	Qty
ZSMM8	M8	3-9 9.5-11	1.10 1.40	0.13	752307	100
ZSMM10	M10	3-9 9.5-11	1.10 2.20	0.13	752308	100

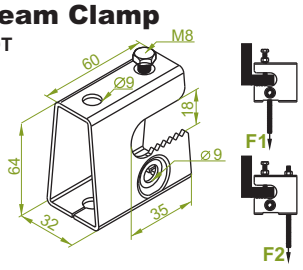
N

Strong

MATERIAL
Forged steel, electro-galvanised

Beam Clamp

ZDT



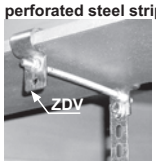
APPLICATION
Suspending cable routes.

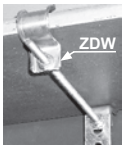
ZDT

CODE	Safe Working Load $F1_{max}$[kN]	Safe Working Load $F2_{max}$[kN]	kg 1 pc.	Catalogue No.	Qty
ZDT	1.50	0.85	0.16	751106	50

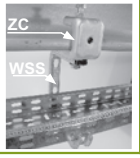
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Examples of Beam Clamp ZDV and ZDW in Combination with perforated steel strip

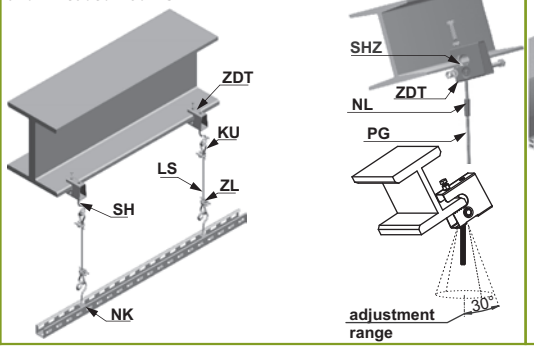




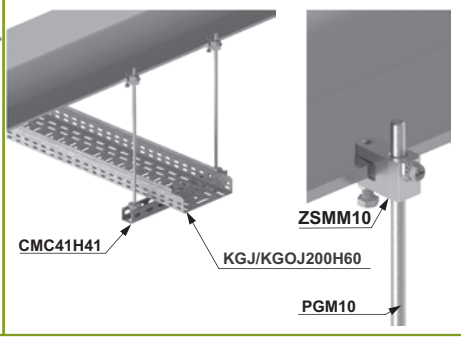
Application Example of ZC



Application Example of Beam Clamp ZDT, Wire Rope LS and Threaded Rod PG.



Application Example of ZSMM10



For mechanical properties of screws and anchors see Section XI page 15

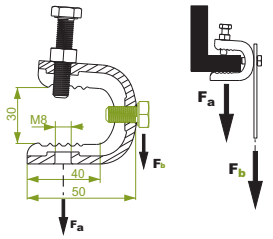
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZC



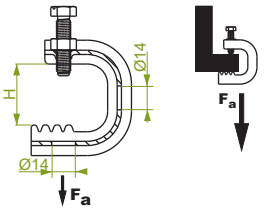
ZC

CODE	Safe working max. $F_{a\,max}$ [kN]	Safe working max. $F_{b\,max}$ [kN]	kg 1 pc.	Catalogue No.	Qty
ZC	2.00	0.60	0.23	**752300**	50

The screw marked in green is added separately; meaning, that to the complete package with beam clamps – with their default screws and nuts assembled – separately packaged screws are added independently

Beam Clamp

ZCD...



ZCD...

± 3.0 mm

CODE	Dimension H mm	Safe Working Load F_{max} [kN]	kg 1 pc.	Catalogue No.	Qty
ZCD20	20	1.10	0.12	**751020**	25
ZCD30	30	1.20	0.18	**751030**	25
ZCD45	45	1.30	0.22	**751045**	25

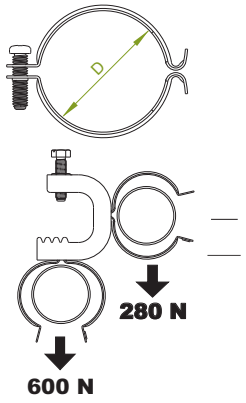
Advantages:
- Specially serrated surface makes for an additional security against slipping of the assembled Beam Clamp
- (Dia.) Ø 14mm of the threaded rod or hooks
- Makes for a solid base for assembling secure assemblies on steel constructions without screwing in or welding.

N Strong

APPLICATION
Fixing threaded rods to I-beams, angles, etc.

Cable Clip

OZC...



OZC...

CODE	Dimension D MM	Catalogue No.	Qty
OZC20	16.0 - 20.0	**751120**	50
OZC25	20.4 - 25.0	**751125**	50
OZC31	26.9 - 31.8	**751131**	50
OZC38	33.7 - 38.0	**751138**	50
OZC44	40.0 - 44.5	**751144**	50
OZC51	47.0 - 51.0	**751151**	25
OZC63	59.2 - 63.5	**751163**	25

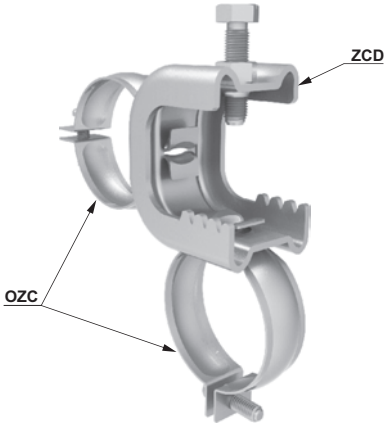
Features & Benefits:
-fast and easy assembly with beam clamp
-plastic pad on the screw protects it from falling out during montage
-beam clips can be used with different diameter cables

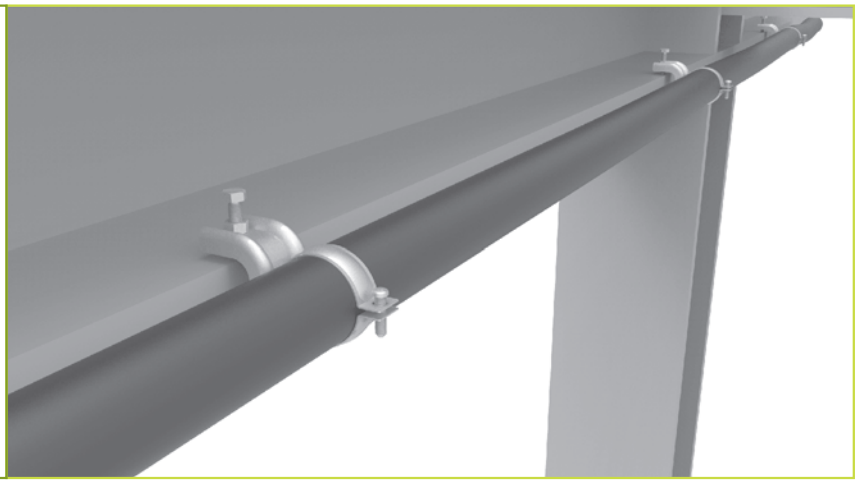
N

APPLICATION
Mounting cables to ZCD Beam Clamps

MATERIAL
Steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of ZCD... and OZC...





For mechanical properties of screws and anchors see Section XI page 15

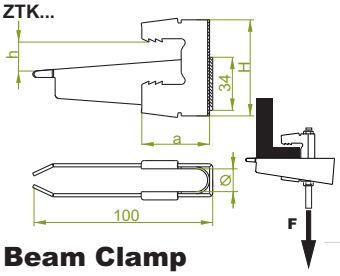
E-90 - Detailed info in section XIX

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZTK...



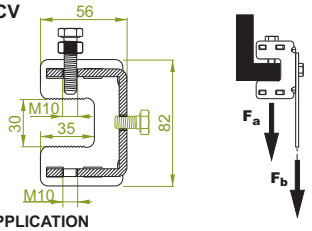
ZTK...

CODE	Hole Ø mm	Dimension h mm	Dimension H mm	Dimension a mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
ZTK6/8	6-8	8-20	61	43	2.00	0.15	751109	50
ZTK10	10	8-22	61	43	3.50	0.16	751209	50
ZTK12	12	8-22	61	43	5.00	0.17	751309	50
ZTK16	16	11-27	70	46	10.00	0.29	751409	50

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304) PN-EN 10088
L - powder coating in a full range of colours (PC) (info p. 4)

Beam Clamp

ZCV



APPLICATION
Fixing threaded rods, clamps, etc to I-beams, angles, etc.

ZCV

± 5.0 mm

CODE	Safe Working Load $F_{a\,max}$[kN]	Safe Working Load $F_{b\,max}$[kN]	kg 1 pc.	Catalogue No.	Qty
ZCV	3.50	2.00	0.40	752301	30

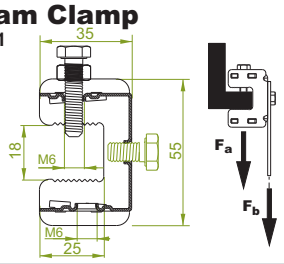
Beam Clamp ZCV has 3 threaded holes M10 enabling various installation.

The screw marked in green is added separately; meaning, that to the complete package with beam clamps – with their default screws and nuts assembled – separately packaged screws are added independently

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Beam Clamp

ZCM1



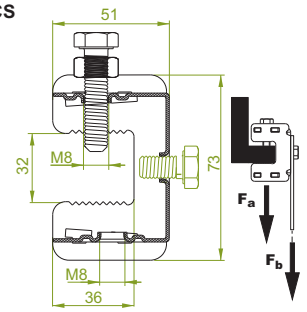
ZCM1

CODE	Safe Working Load $F_{a\,max}$[kN]	Safe Working Load $F_{b\,max}$[kN]	kg 1 pc.	Catalogue No.	Qty
ZCM1	0.50	0.20	0.07	752302	100

Beam Clamp ZCM1 has 3 threaded holes M6 enabling various installation.

The screw marked in green is added separately; meaning, that to the complete package with beam clamps – with their default screws and nuts assembled – separately packaged screws are added independently

ZCS



APPLICATION
Fixing threaded rods, clamps, etc to I-beams, angles, etc.

ZCS

CODE	Safe Working Load $F_{a\,max}$[kN]	Safe Working Load $F_{b\,max}$[kN]	kg 1 pc.	Catalogue No.	Qty
ZCS	2.00	0.60	0.20	752502	50

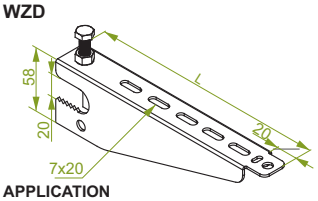
Beam Clamp ZCS has 3 threaded holes M8 enabling various installation.

The screw marked in green is added separately; meaning, that to the complete package with beam clamps – with their default screws and nuts assembled – separately packaged screws are added independently

MATERIAL
Steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Bracket

WZD



APPLICATION
Attaching cable trays, ladders, pipes and other components to steel constructions

WZD50

± 2.0 mm

CODE	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WZD50	120	0.60	0.21	752410	50

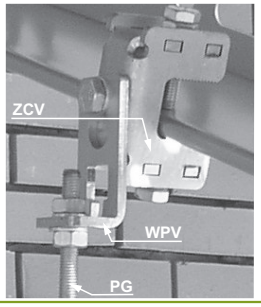
WZD...

± 2.5 mm

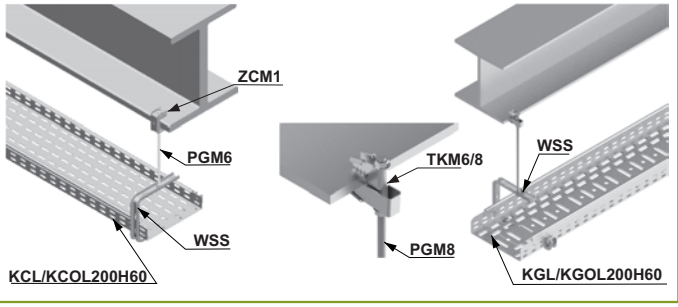
CODE	Length L mm	Safe Working Load F_{max}[kN]	kg 1 pc.	Catalogue No.	Qty
WZD100	170	0.50	0.30	752420	50
WZD150	220	0.30	0.39	752430	30
WZD200	270	0.20	0.49	752440	30

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

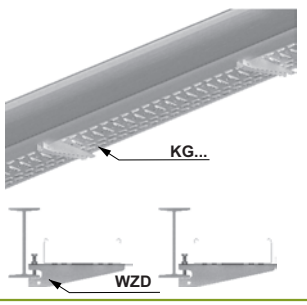
Application Example of ZCV



Application Example of ZCM1 and TKM



Application Example of WZD...



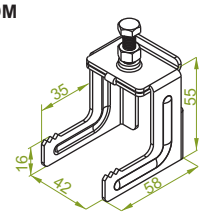
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

KDM

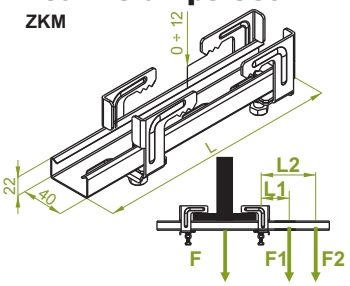


KDM

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
KDM	55	0.13	**751205**	100

Beam Clamps Set

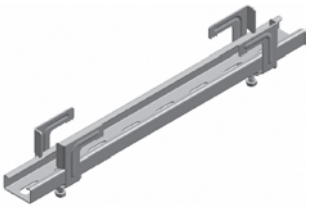
ZKM



ZKM..

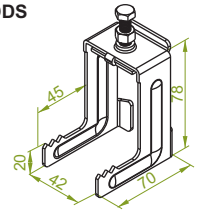
CODE	Length L mm	Safe Working Load F_{max}[kN]	Load side L1/$F1_{max}$[kN]	Load side L2/$F2_{max}$[kN]	kg 1 pc.	Catalogue No.	Kpl.
ZKM150	150	3.50	100/0.5	200/0.4	0.46	**751315**	10
ZKM200	200	3.00	100/0.5	200/0.4	0.53	**751320**	10
ZKM250	250	2.50	100/0.5	200/0.4	0.60	**751325**	10
ZKM300	300	2.25	100/0.5	200/0.4	0.66	**751330**	10
ZKM350	350	2.00	100/0.5	200/0.4	0.73	**751335**	10
ZKM400	400	1.75	100/0.5	200/0.4	0.80	**751340**	10

Beam Clamps Set ZKM includes:
– 2 pcs of Beam Clamp KDM
– proper-length section of Support Channel CWC40H22



Beam Clamp

KDDS

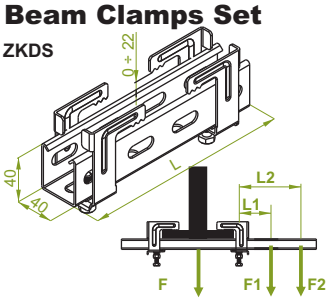


KDDS

CODE	Length L mm	kg 1 pc.	Catalogue No.	Qty
KDDS	78	0.20	**751407**	50

Beam Clamps Set

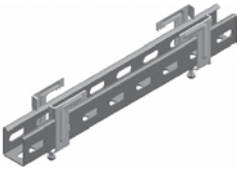
ZKDS



ZKDS...

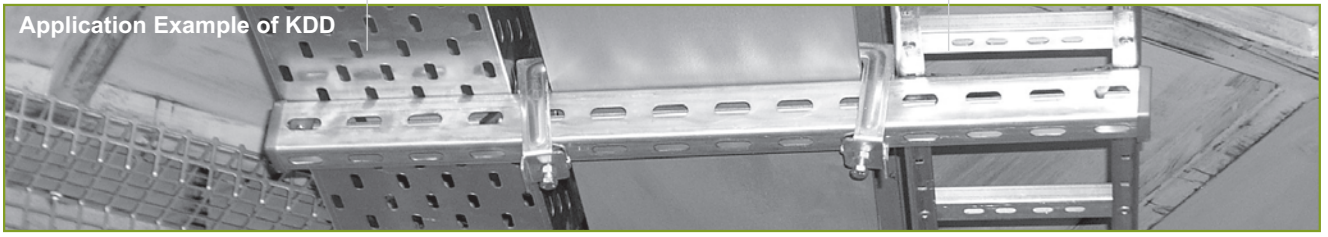
CODE	Length L mm	Safe Working Load F_{max}[kN]	Load side L1/$F1_{max}$[kN]	Load side L2/$F2_{max}$[kN]	kg 1 pc.	Catalogue No.	kpl.
ZKDS150	150	3.80	100/0.8	200/0.55	0.60	**751415**	10
ZKDS200	200	3.30	100/0.8	200/0.55	0.70	**751420**	10
ZKDS250	250	3.00	100/0.8	200/0.55	0.80	**751425**	10
ZKDS300	300	2.70	100/0.8	200/0.55	0.90	**751430**	10
ZKDS350	350	2.50	100/0.8	200/0.55	1.00	**751435**	10
ZKDS400	400	2.30	100/0.8	200/0.55	1.10	**751440**	10

Beam Clamps Set ZKDS includes:
– 2 pcs of Beam Clamp KDDS
– proper-length section of Support Channel CWC40H40



APPLICATION
Suspending cable routes.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)



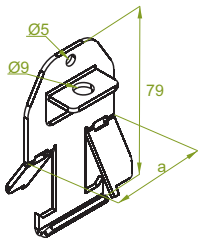
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Ceiling Hanger

WBC



APPLICATION
Suspending cable routes.
Ceiling Hanger WBC40 fit channel sections:
CWD40H22, CWP40H22, CWC40H22,
CWD40H35, CWP40H35, CWC40H35,
CWD40H40, CWP40H40, CWC40H40,
CMD41H21, CMP41H21, CMC41H21,
CMD40H30, CMP40H30, CMC40H30,
CMD41H41, CMP41H41, CMC41H41,
CMD40H60, CMP40H60, CMC40H60,
Ceiling Hanger WBC50 fit channel sections:
CMD50H30, CMP50H30, CMC50H30,
CMD50H50, CMP50H50, CMC50H50,
Ceiling Hanger WBC50 will suit Support Channels Width 50mm

WBC...

± 1.5 mm

CODE	Dimension a mm	kg 1 pc.	Catalogue No.	Qty
WBC40	47	0.04	**730102**	100
WBC50	57	0.04	**730103**	100

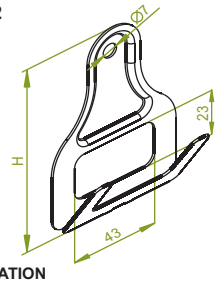
During installation special attention should be paid to construction firmness and durableness of intermediate elements

Wieszak WBC	When applying Genovese Chain LNP2.2 with channel	When applying Threaded Rod PG... with channel	When applying Stranded Rope LS... with channel	When applying the chain for threaded rod, wire rope and cable tray thick.=0.5mm	When applying the chain for threaded rod, wire rope and cable tray thick=0.7mm	When applying the chain for threaded rod, wire rope and cable tray thick.=1.0mm
Safe Working Load "F" max. [kN]	0.20	0.80	0.80	0.10	0.15	0.40

MATERIAL
Electro-galvanised steel (EGS)
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Channel Hanger

WZC22



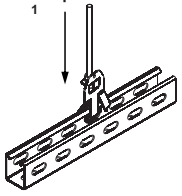
APPLICATION
Suspending Support Channels CW...40H22, CM...41H21.

WZC22

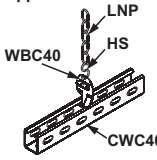
CODE	Height H mm	Safe Working Load $F_{max.}$[kN]	kg 1 pc.	Catalogue No.	Qty
WZC22	94	0.60	0.06	**753000**	50

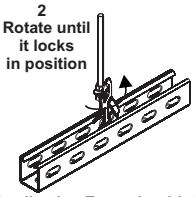
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of Channel Hanger WBC 40 in Combination with Support Channel CWC40H40

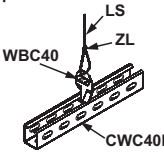


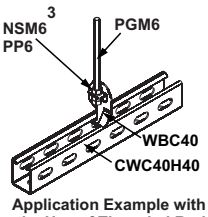
Application Example with the Use of Genovese Chain and Channel Hanger WBC40 with Support Channel CWC40H40.



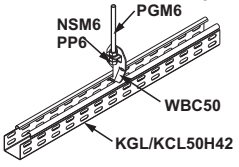


Application Example with the Use of Genovese Chain and Channel Hanger WBC40 with Support Channel CWC40H40.



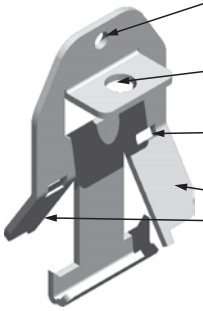


Application Example with the Use of Threaded Rod for Hanger WBC50 with Cable Tray



Benefits of Channel Hanger WBC

Channel Hanger WBC enables fast and easy installation



Slot Ø5 designed for suspending on steel wire rope or chain

Slot designed for suspending on Threaded Rod PGM8

Cut-out to help bending

Easy adjustability of self-locking flaps ('fins') make Channel Hangers WBC40 and WBC50 versatile. They will suit all support channels CW...40mm, CM... 41mm and 50mm, respectively. WBC50 will also suit cable trays 50 mm wide

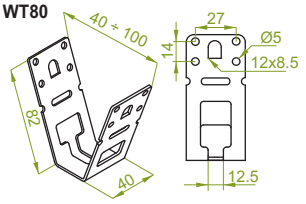
For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Trapezoidal Ceiling Bracket

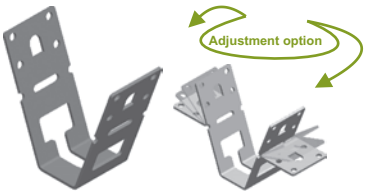
WT80



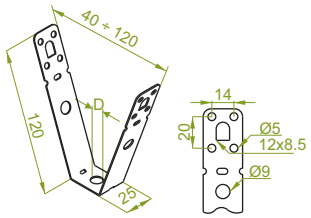
APPLICATION
Fastening to overhead structures and ceilings. Suspending component of cable runs, lighting, steel profiles, to standard trapezoidal decking sheets with the use of suspension pin or threaded rod.

WT80

CODE	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WT80	1.20	730408	100

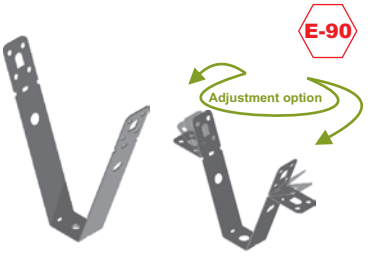


WT/WTO120

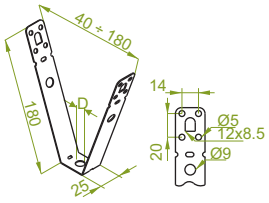


WT/WTO120...

CODE	Dimension D mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WT/WTO120M6	M6	1.20	730512	100
WT/WTO120M8	M8	1.20	730612	100
WT/WTO120∅11	∅11	1.20	730712	100



WT180

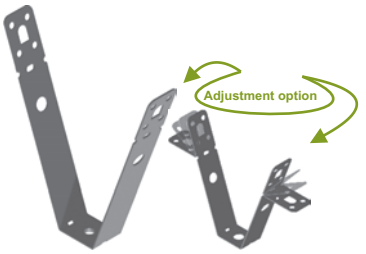


Trapeze decking hangers are available with a hole plain or threaded

APPLICATION
Fastening to overhead structures and ceilings. Suspending component of cable runs, lighting, steel profiles, to standard trapezoidal decking sheets with the use of suspension pin or threaded rod.

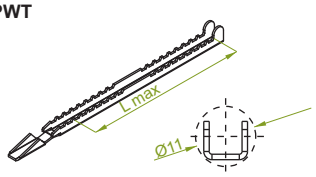
WT180...

CODE	Dimension D mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WT180M6	M6	1.20	730818	50
WT180M8	M8	1.20	730918	50
WT180∅11	∅11	1.20	731018	50



Suspension Pin

PWT



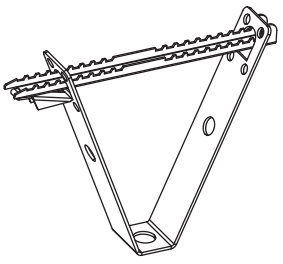
APPLICATION
An element joining trapezoidal ceiling bracket with trapezoidal sheets. It enables quick installation.It will suit all suspension, rod, and window types of hangers and brackets.

PWT...

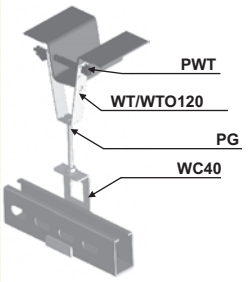
CODE	Length L_{max} mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
PWT55	55	0.60	731105	200
PWT95	95	0.60	731109	200
PWT130	130	0.60	731113	200

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304), only with Ø11 holes
L- powder coating in a full range of colours (PC) (info p. 4)

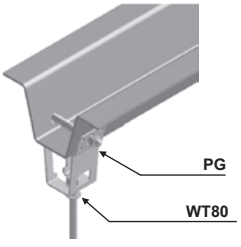
Application Examples of PWT



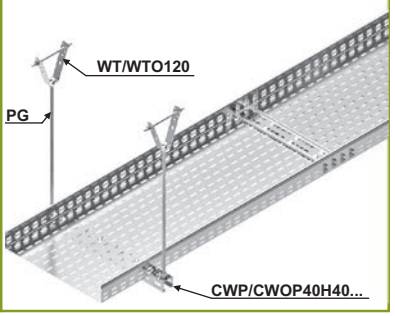
Fixing Hanger WT/WTO120 with use of Suspension Pin PWT



Fixing Hanger WT80 with the Use of Threaded Rod PG



Application Examples of WT/WTO120



For mechanical properties of screws and anchors see Section XI page 15

E-90 - Detailed info in section XIX

Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Note. Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Zinc Spray

FCA

FCA

CODE	ml 1 pc.	Catalogue No.	Qty
FCA	400	650000	6

Zinc Paste

WSZINK...

WSZINK

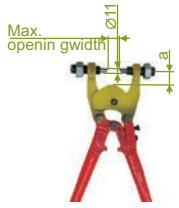
CODE	ml 1 pc.	Catalogue No.	Qty
WSZINK1000	1000	650001	1
WSZINK250	250	650002	1
WSZINKS400	400	650003	1

WSZINKS400 - spray

APPLICATION
Protecting expose areas against corrosion

Bolt Cutter

DDB
DBD



DDB

CODE	Dimension a mm	Max. Spread mm	Hole Diameter mm	Catalogue No.	Qty
DDB	33	70	11	700000	1

DBD

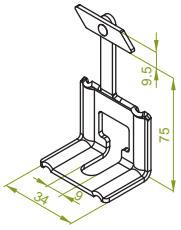
CODE	Dimension a mm	Max. Spread mm	Hole Diameter mm	Catalogue No.	Qty
DBD	90	130	11	700200	1

Max. uniform thickness 1.2mm

APPLICATION
Punching trapezoidal decking sheet.
Particularly useful for fast fixing
Trapezoidal Ceiling Brackets WT.

Rod Hanger

WZ



WZ

CODE	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WZ	0.30	731207	100

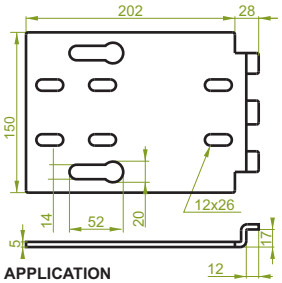
NOTE:
For installation drill a hole Ø 10mm

APPLICATION
Used as a suspending component of light duty cable runs with the use of threaded rods

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Adapter

PBDH150x195



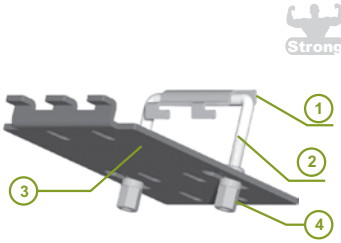
PBDH150x195

± 5.0 mm

CODE	Beam Width mm	kg 1 pc.	Catalogue No.	Qty
PBDH150x195	160÷320	1.55	752801	6

Length of ceiling bracket in [mm]	100	200	300	400	500	600
Safe Working Load "F" $_{max}$ in [kN]	2.90	2.70	2.50	2.30	2.00	1.70
Length of ceiling bracket in [mm]	100	200	300	400	500	600
Safe Working Load "F" $_{max}$ in [kN]	2.90	2.70	2.50	2.30	2.00	1.70

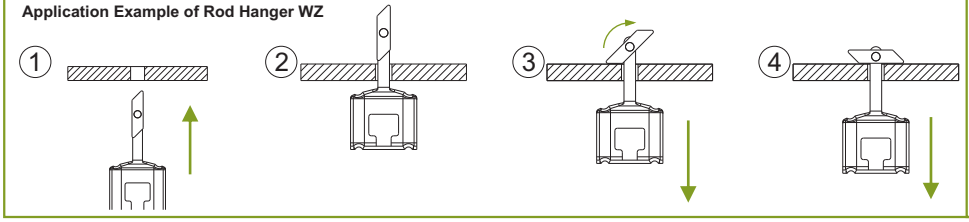
The set includes the following components (see figure below)
1. Lock PBDH150x195 –1pc
2. Special shaped adapter (M10) PBDH150x195 –1pc
3. Steel Sheet BDH150x195 – 1pc
4. Flanged nuts for adapter PBDH150x195 M10 –2pcs



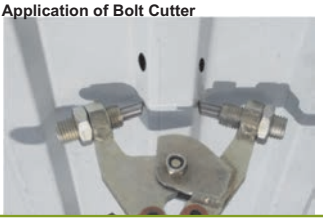
APPLICATION
In combination with Assembly Set BDH, it enables to obtain vertical position in beam assemblies installed at an angle, which in turn, will allow for routing cable runs in the horizontal plane. Dense perforation enables the assembly of all heavy duty head plates presented in this BAKS catalogue

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011
Available finishes:
L- powder coating in a full range of colours (PC) (info p. 4)

Application Example of Rod Hanger WZ



Application of Bolt Cutter

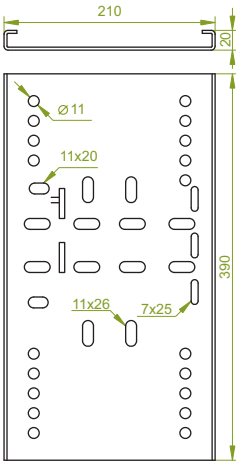


For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Assembly Set 160x320

BDH160x320



APPLICATION
Used to attach brackets, base plates, etc. to I-beams. Flexibility of installation (it suits all I-beams in the range of 160-320), as well as high mechanical strength highlight the versatility of this elemen

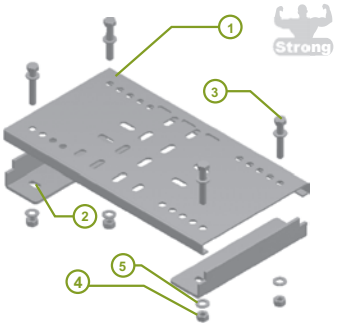
BDH160x320

± 3.0 mm

CODE	Width I-beam mm	kg 1 pc.	Catalogue No.	Qty
BDH160x320	160÷320	3.95	**752800**	4

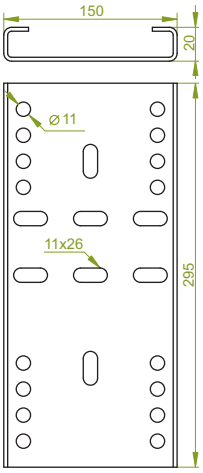
F, 800	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	3.10	2.70	2.50	2.30	2.00	1.80
F, F, 600	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	3.10	2.70	2.50	2.30	2.00	1.80
F	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	3.50	3.20	2.90	2.60	2.30	2.10

The set includes the following components:
1. Steel Sheet BDH – 1pc
2. Hold Down Clamps BDH(60x213) – 2pcs
3. Screw M10x60 – 4pcs
4. Nut M10 – 4pcs
5. Enlarged Washer Ø10 – 8 pcs



Assembly Set 120x240

BDH120x240



APPLICATION
Used to attach brackets, base plates, etc. to I-beams. Flexibility of installation (it suits all I-beams in the range of 160-320), as well as high mechanical strength highlight the versatility of this element.

BDHM120x240

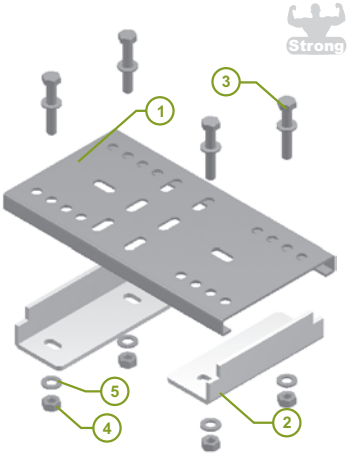
± 3.0 mm

CODE	Width I-beam mm	kg 1 pc.	Catalogue No.	Qty
BDHM120x240	120÷240	2.80	**752700**	6

F, 800	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	2.80	2.30	2.10	1.90	1.70	1.50
F, F, 600	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	2.80	2.30	2.10	1.90	1.70	1.50
F	Length of ceiling bracket in [mm]	100	200	300	400	500	600
	Safe Working Load "$F_{max.}$ in [kN]	3.00	2.70	2.40	2.20	2.00	1.80

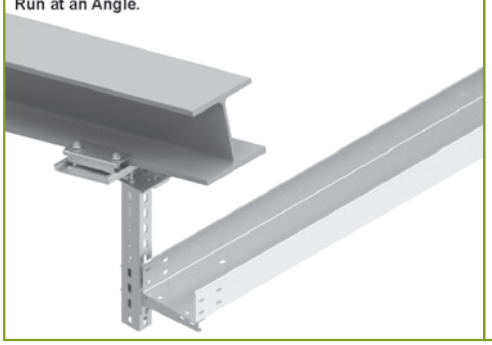
The set includes the following components:
1. Steel Sheet BDHM – 1pc
2. Hold Down Clamps BDHM(60x154) – 2pc
3. Screw M10x60 – 4pc
4. Nut M10 – 4pc
5. Enlarged Washer O/ 10 – 8pcs

Perforation of Steel Sheet BDH enables installation of all ceiling brackets/supports presented in this BAKS catalogue Application

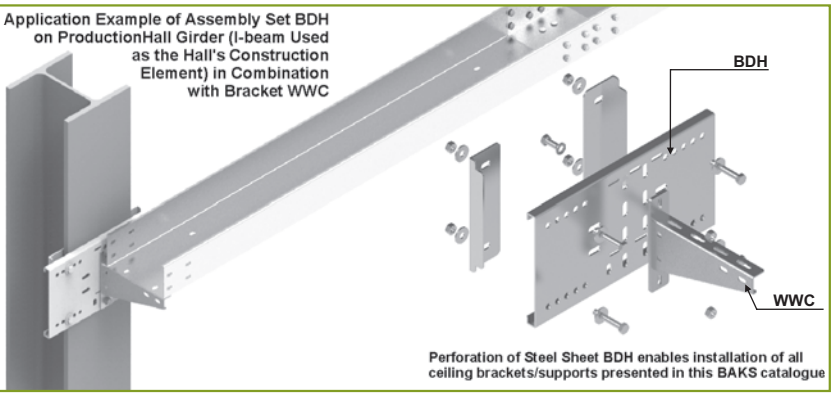


MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galv. to PN-EN ISO 1461:2011
L- powder coating in a full range of colours (PC) (info p. 4)

Adapter PBDH in Combination with Assembly Set BDH Allows Attachment to I-beam Run at an Angle.



Application Example of Assembly Set BDH on ProductionHall Girder (I-beam Used as the Hall's Construction Element) in Combination with Bracket WWC



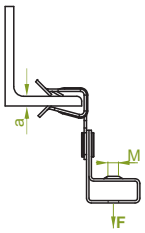
Perforation of Steel Sheet BDH enables installation of all ceiling brackets/supports presented in this BAKS catalogue

For mechanical properties of screws and anchors see Section XI page 15

Thickn. (ga) ± [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Beam Clip

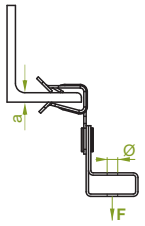
ZSP1



ZSP1...

CODE	Thickness a mm	Dimension M mm	Safe Working Load F_{max}[kN]	1.0 mm Catalogue No.	Qty
ZSP1M6/2	2-3	M6	0.70	790101	100
ZSP1M6/3	3-8	M6	0.90	790201	100
ZSP1M6/8	8-14	M6	0.90	790301	100
ZSP1M6/14	14-20	M6	0.90	790401	100
ZSP1M8/2	2-3	M8	0.70	790501	100
ZSP1M8/3	3-8	M8	0.90	790601	100
ZSP1M8/8	8-14	M8	0.90	790701	100
ZSP1M8/14	14-20	M8	0.90	790801	100
ZSP1M10/2	2-3	M10	0.70	790901	100
ZSP1M10/3	3-8	M10	0.90	791001	100
ZSP1M10/8	8-14	M10	0.90	791101	100
ZSP1M10/14	14-20	M10	0.90	791201	100

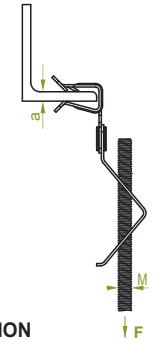
ZSP2



ZSP2...

CODE	Thickness a mm	Dimension Ø mm	Safe Working Load F_{max}[kN]	1.0 mm Catalogue No.	Qty
ZSP211/2	2-3	11	0.70	791301	100
ZSP211/3	3-8	11	0.90	791401	100
ZSP211/8	8-14	11	0.90	791501	100
ZSP211/14	14-20	11	0.90	791601	100

ZSP3



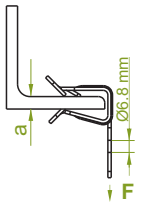
ZSP3...

CODE	Thickness a mm	Dimension M mm	Safe Working Load F_{max}[kN]	1.0 mm Catalogue No.	Qty
ZSP3M6/2	2-3	M6	0.60	791701	100
ZSP3M6/3	3-8	M6	0.60	791801	100
ZSP3M6/8	8-14	M6	0.60	791901	100
ZSP3M6/14	14-20	M6	0.60	792001	100
ZSP3M8/2	2-3	M8	0.70	792101	100
ZSP3M8/3	3-8	M8	0.70	792201	100
ZSP3M8/8	8-14	M8	0.70	792301	100
ZSP3M8/14	14-20	M8	0.70	792401	100
ZSP3M10/2	2-3	M10	0.70	792501	100
ZSP3M10/3	3-8	M10	0.70	792601	100
ZSP3M10/8	8-14	M10	0.70	792701	100
ZSP3M10/14	14-20	M10	0.70	792801	100

APPLICATION

Suspending lightweight assemblies from strut open sections

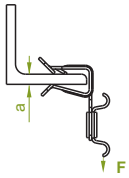
ZSU1



ZSU1...

CODE	Dimension a mm	Safe Working Load F_{max}[kN]	1.0 mm Catalogue No.	Qty
ZSU113/2	2-3	0.70	797301	100
ZSU113/3	3-8	0.90	797401	100
ZSU116/2	8-14	0.90	797501	100
ZSU116/3	14-20	0.90	797601	100

ZSU2



ZSU2...

CODE	Dimension a mm	Safe Working Load F_{max}[kN]	1.0 mm Catalogue No.	Qty
ZSU213/2	2-3	0.15	797701	100
ZSU213/3	3-8	0.15	797801	100
ZSU216/2	8-14	0.15	797901	100
ZSU216/3	14-20	0.15	798001	100

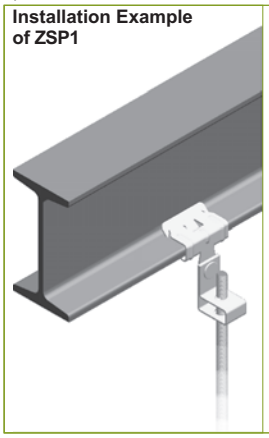
APPLICATION

Suspending bunched cables from strut open sections

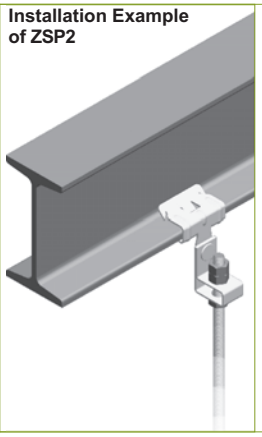
MATERIAL

Electro-galvanised (electroplated) spring steel

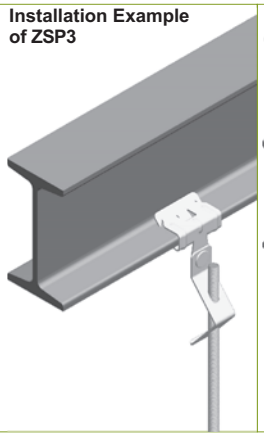
Installation Example of ZSP1



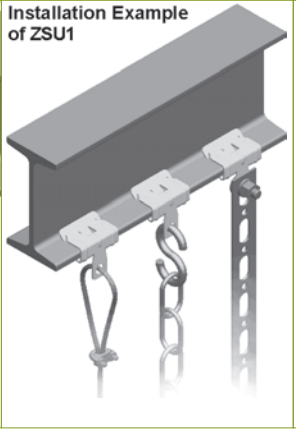
Installation Example of ZSP2



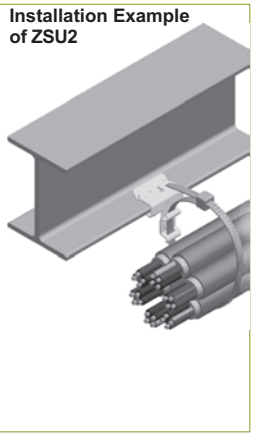
Installation Example of ZSP3



Installation Example of ZSU1

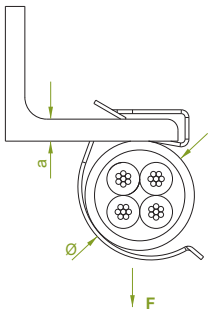


Installation Example of ZSU2



Thickn. (ga) [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Beam Clip
ZSK1

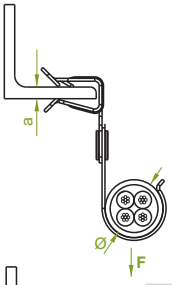


APPLICATION
Suspending cables and pipes from strut open sections

ZSK1...

CODE	Dimension a mm	Dia. Ø mm	1.0 mm Catalogue No.	Qty
ZSK1Ø6/2	2-4	6÷7	792901	100
ZSK1Ø7/2	2-4	7÷8	793001	100
ZSK1Ø8/2	2-4	8÷9	793101	100
ZSK1Ø9/2	2-4	9÷10	793201	100
ZSK1Ø10/2	2-4	10÷11	793301	100
ZSK1Ø12/2	2-4	12÷14	793401	100
ZSK1Ø15/2	2-4	15÷18	793501	100
ZSK1Ø19/2	2-4	19÷24	793601	100
ZSK1Ø25/2	2-4	25÷32	793701	100
ZSK1Ø6/4	4-7	6÷7	793801	100
ZSK1Ø7/4	4-7	7÷8	793901	100
ZSK1Ø8/4	4-7	8÷9	794001	100
ZSK1Ø9/4	4-7	9÷10	794101	100
ZSK1Ø10/4	4-7	10÷11	794201	100
ZSK1Ø12/4	4-7	12÷14	794301	100
ZSK1Ø15/4	4-7	15÷18	794401	100
ZSK1Ø19/4	4-7	19÷24	794501	100
ZSK1Ø25/4	4-7	25÷32	794601	100
ZSK1Ø6/8	8-12	6÷7	794701	100
ZSK1Ø7/8	8-12	7÷8	794801	100
ZSK1Ø8/8	8-12	8÷9	794901	100
ZSK1Ø9/8	8-12	9÷10	795001	100
ZSK1Ø10/8	8-12	10÷11	795101	100
ZSK1Ø12/8	8-12	12÷14	795201	100
ZSK1Ø15/8	8-12	15÷18	795301	100
ZSK1Ø19/8	8-12	19÷24	795401	100
ZSK1Ø25/8	8-12	25÷32	795501	100

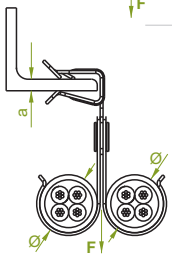
Beam Clip
ZSK2



ZSK2...

CODE	Dimension a mm	Dia. Ø mm	1.0 mm Catalogue No.	Qty
ZSK213/2	2-3	10.9÷13	796501	100
ZSK213/3	3-8	10.9÷13	796601	100
ZSK216/2	2-3	12.4÷16	796701	100
ZSK216/3	3-8	12.4÷16	796801	100

ZSK3

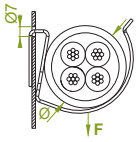


APPLICATION
Suspending cables and pipes from strut open sections

ZSK3...

CODE	Dimension a mm	Dia. Ø mm	1.0 mm Catalogue No.	Qty
ZSK313/2	2-3	10.9÷13	796901	100
ZSK313/3	3-8	10.9÷13	797001	100
ZSK316/2	2-3	12.4÷16	797101	100
ZSK316/3	3-8	12.4÷16	797201	100

ZSK4



APPLICATION
Suspending cables and pipes from trapezoidal decking sheets.

ZSK4...

CODE	Dia. Ø mm	1.0 mm Catalogue No.	Qty
ZSK4Ø6	6÷7	795601	100
ZSK4Ø7	7÷8	795701	100
ZSK4Ø8	8÷9	795801	100
ZSK4Ø9	9÷10	795901	100
ZSK4Ø10	10÷11	796001	100
ZSK4Ø12	12÷14	796101	100
ZSK4Ø15	15÷18	796201	100
ZSK4Ø19	19÷24	796301	100
ZSK4Ø25	25÷32	796401	100

Clip
AZSK 1

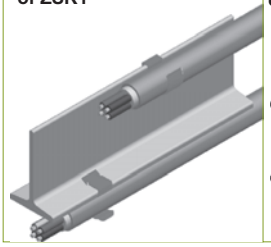
APPLICATION
Suspending lightweight assemblies from strut open sections. The adaptor can be used with Clips ZSK1 and channels 12 to 20mm thick.

AZSK1

CODE	Thickness a mm	Catalogue No.	Qty
AZSK1	12-20	790302	50

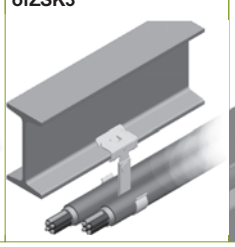
MATERIAL
Electro-galvanised (electroplated) spring steel

Application Example of ZSK1

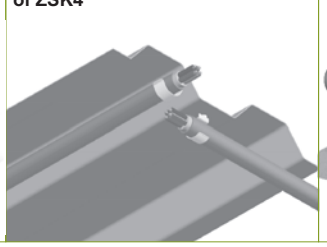


Application Example of ZSK2

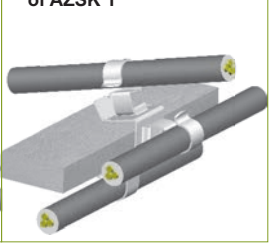
Application Example ofZSK3



Application Example of ZSK4



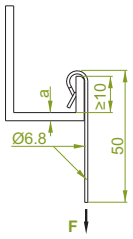
Application Example of AZSK 1



Thickn. (ga) [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Purlin Clip

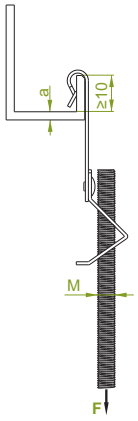
ZS1



ZS1... — 1.0 mm

CODE	Thickness a mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
ZS11	1.5-4.0	0.70	790103	100
ZS12	4.0-6.5	0.70	790203	100

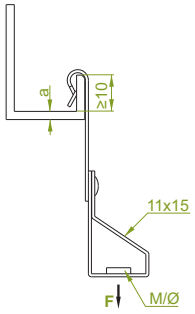
ZS2



ZS2... — 1.0 mm

CODE	Thickness a mm	Dimension M mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
ZS21M6	1.5-4	M6	0.60	790303	100
ZS21M8	1.5-4	M8	0.70	790403	100
ZS21M10	1.5-4	M10	0.70	790503	100
ZS22M6	4.0-6.5	M6	0.60	790603	100
ZS22M8	4.0-6.5	M8	0.70	790703	100
ZS22M10	4.0-6.5	M10	0.70	790803	100

ZS3



ZS3... — 1.0 mm

CODE	Thickness a mm	Dimension M/Ø mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
ZS31M6	1.5-4	M6	0.70	791003	100
ZS31M8	1.5-4	M8	0.70	791103	100
ZS31M10	1.5-4	M10	0.70	791203	100
ZS32M6	4.0-6.5	M6	0.70	791303	100
ZS32M8	4.0-6.5	M8	0.70	791403	100
ZS32M10	4.0-6.5	M10	0.70	791503	100
ZS33	1.5-4	11	0.70	791603	100
ZS34	4.0-6.5	11	0.70	791703	100

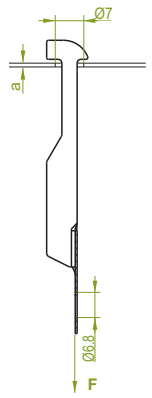
APPLICATION
Suspending lightweight assemblies from strut open sections

MATERIAL
Electro-galvanised (electroplated) spring steel

Thickn. (ga) [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Deck Hanger

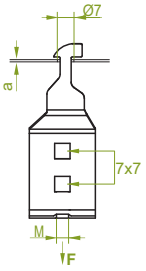
WST1



WST1

CODE	Dimension a mm	Safe Working Load F_{max} [kN]	1.0 mm Catalogue No.	Qty
WST1	0.8-2 2-3	0.45 0.90	798101	100

WST2



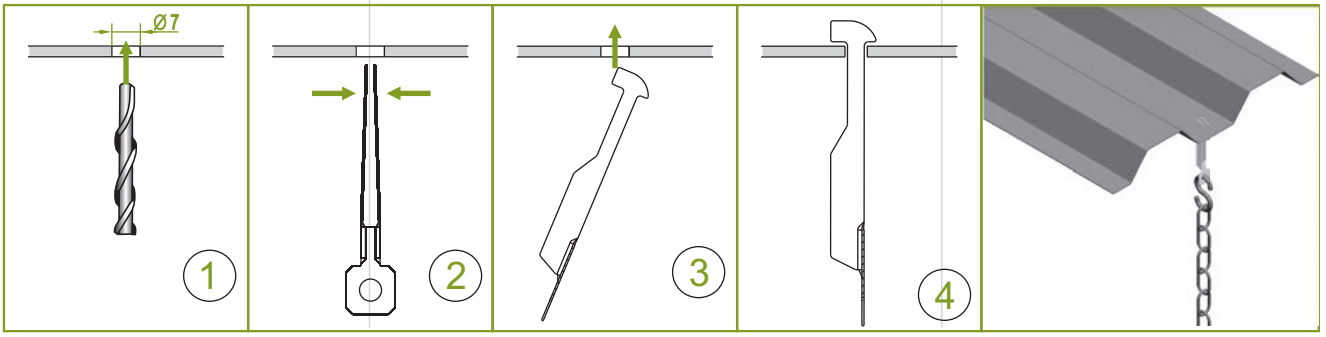
WST2...

CODE	Dimension a mm	Dimension M mm	Safe Working Load F_{max} [kN]	1.0 mm Catalogue No.	Qty
WST2M6	0.8-2 2-3	M6	0.45 0.60	798301	100
WST2M8	0.8-2 2-3	M8	0.45 0.90	798501	100
WST2M10	0.8-2 2-3	M10	0.45 0.90	798701	100

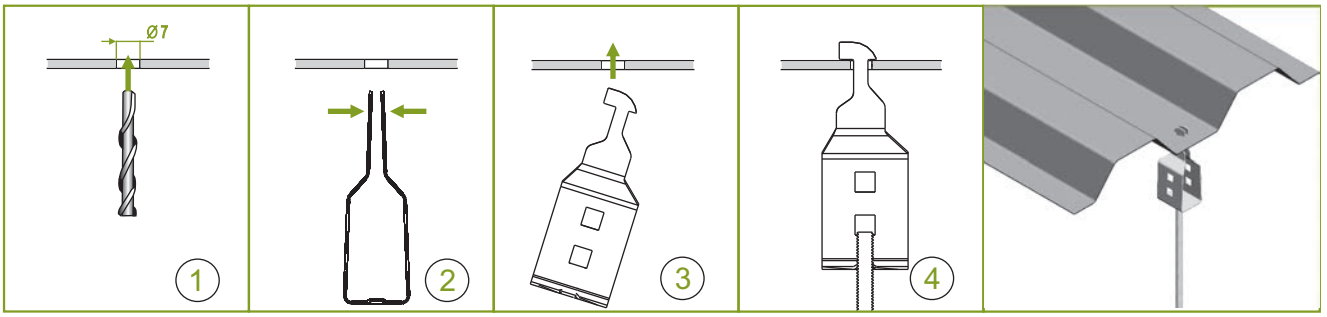
APPLICATION
Suspending lightweight assemblies from trapezoidal decking sheets.

MATERIAL
Electro-galvanised (electroplated) spring steel

Application Example of WST1



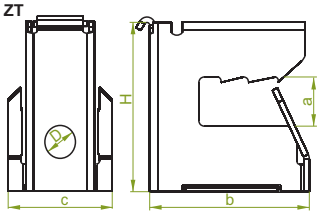
Electro-galvanised (electroplated) spring steel WST2



Thickn. (ga) [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Tiger Clip

ZT

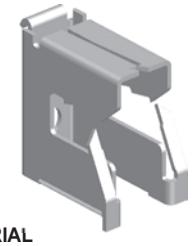


APPLICATION
Suspending lightweight assembliesfrom strut open sections

ZT...

CODE	Dimension a mm	Dimension b mm	Dimension c mm	Dimension D mm	Height H mm	Safe Working Load F_{max} [kN]	Catalogue No.	Qty
ZT8	2-8	30	19	6	30	1.20	790102	100
ZT16	8-16	32	19	6	38	1.20	790202	100

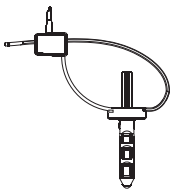
Quick installation to steel structures



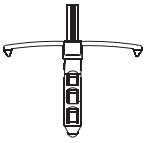
MATERIAL
Electro-galvanised (electroplated) spring steel

Cable Clamp

UKT1



UKT2



APPLICATION
Quick cables installation to the wall or ceiling

UKT1

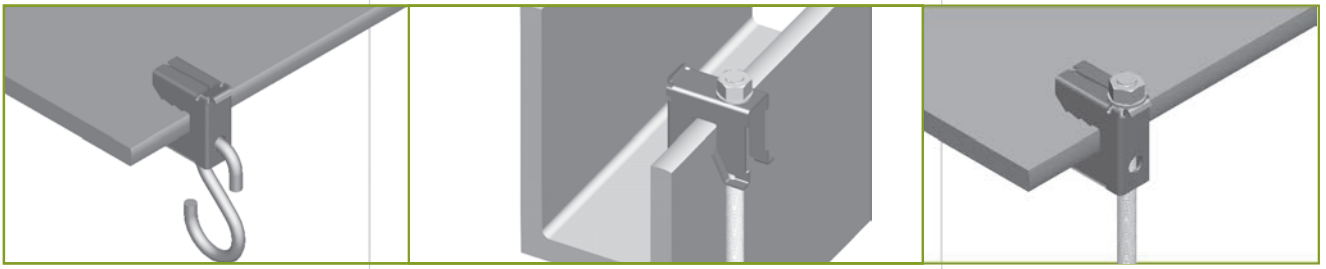
CODE	Drilled-Hole Depth L mm	Drill-Bit Dia D mm	Catalogue No.	Qty
UKT1	36	10	790402	100

UKT2

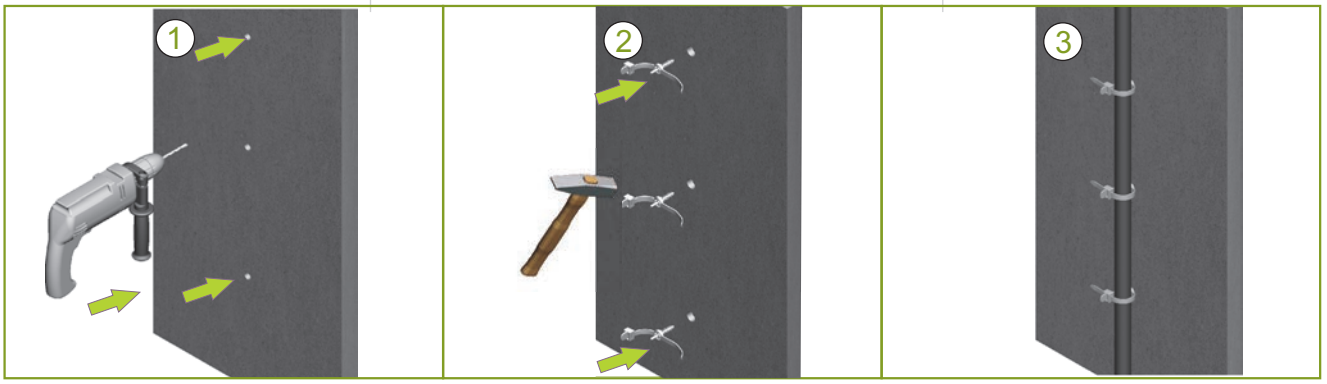
CODE	Drilled-Hole Depth L mm	Drill-Bit Dia D mm	Catalogue No.	Qty
UKT2	40	10	790502	100

MATERIAL
Polypropylene PP.

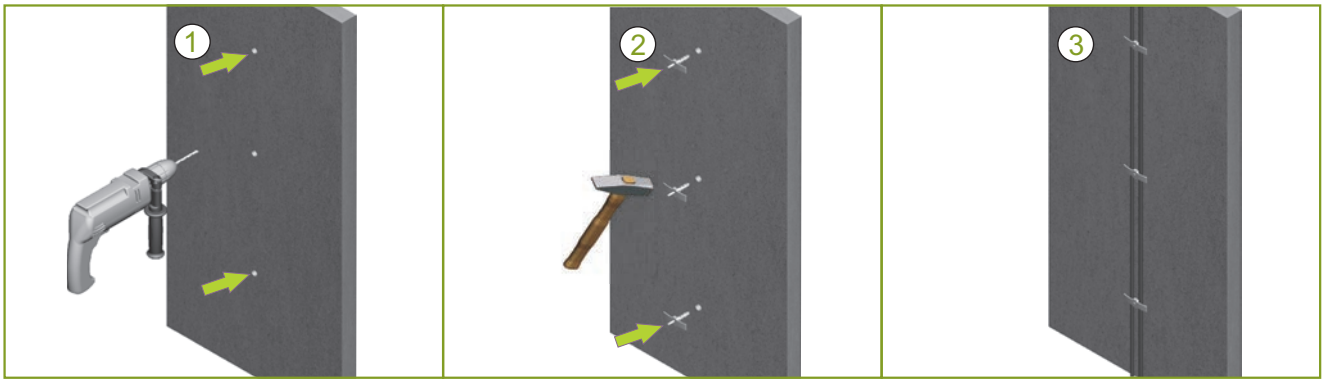
Installation Example of ZT



Application Example of UKT1



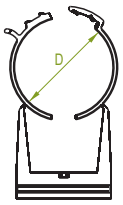
Application Example of UKT2



Thickn. (ga) [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Self Locking Clip

USZ



USZ...

CODE	Dia. D mm	Catalogue No.	Qty
USZ 12	10-12	790602	150
USZ 15	14-16	790702	100
USZ 18	16.5-20	790802	100
USZ 22	20-23	790902	100
USZ 26	25-29	791002	50
USZ 32	32-35	791102	50
USZ 42	40-45	791202	25
USZ 50	48-55	791302	25
USZ 60	58.5-60	791402	20

Rail

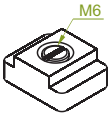
SZPL

SZPL

CODE	Length L mm	Catalogue No.	Qty
SZPL	1000	791502	10

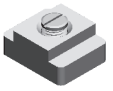
Locking Block

BLS



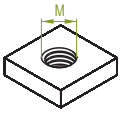
BLS

CODE	Catalogue No.	Qty
BLS	791602	50



Square Nut

NMU



NMU

CODE	Thread M mm	Catalogue No.	Qty
NMU	6	791702	50

APPLICATION

Pipe and cable fixing system 10 to 65mm of dia. The clips can be used for both internal and external applications. This fixing is designed for use in heating and sanitary systems, as well as in mechanical and electrical installations..

MATERIAL

Polyamide 6 - modified (nylon PA6).

Wall Plug

SDD

SDD

CODE	Thread M mm	Catalogue No.	Qty
SDD	6	791802	50

APPLICATION

Installing Self Locking Clip USZ

MATERIAL

Electro-galv. steel (EG).

Installation Examples of USZ