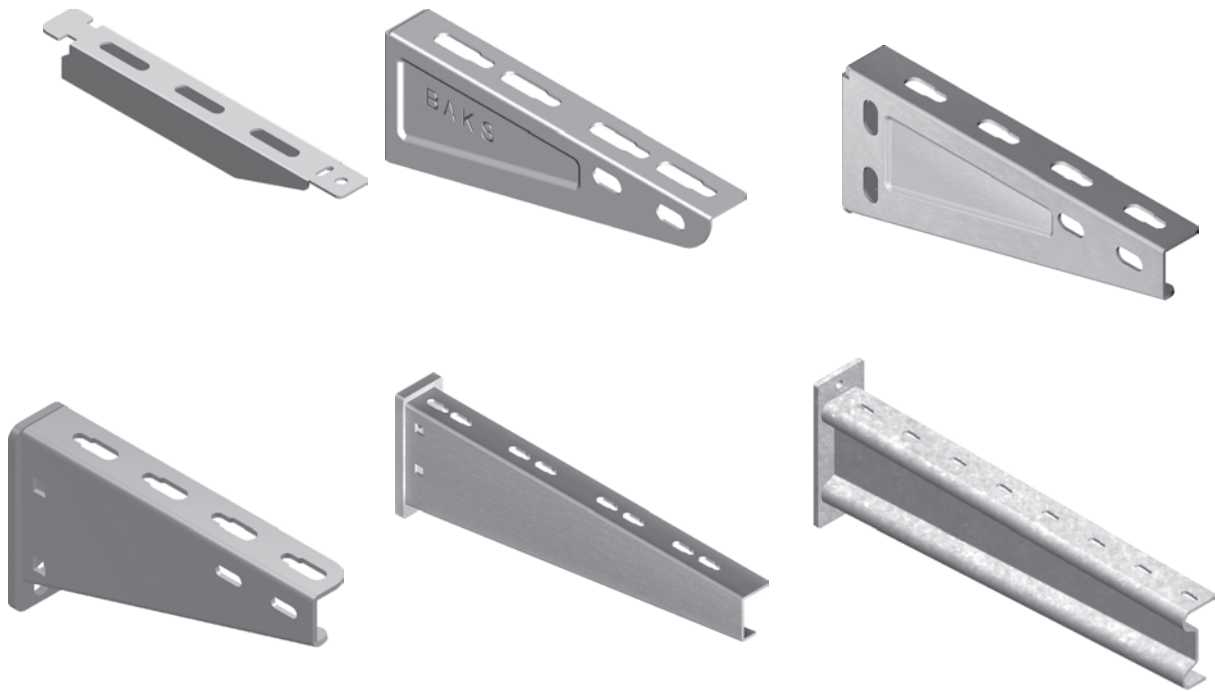




Systems of Wall-Mount Supports



Example of Fittings in the Section of Wall-Mount Supports

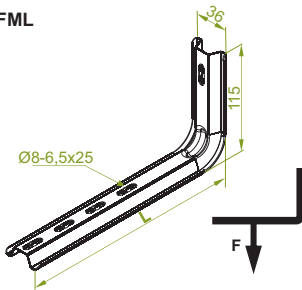
Bracket WSS...	Bracket WFC/WFCO...	Bracket WFL/WFLO...	Bracket WPL...	Bracket WWT...
Variable Bracket WU/WUO...	Bracket WMCT...	Bracket WSZ...	Fastening Bracket UT	Angle Bracket TM



Note. Hot dip galvanizing (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

WFML



WFML...

± 1,5mm

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WFML50	127	0,45	0,13	720112	30
WFML100	150	0,40	0,16	720111	30
WFML150	200	0,35	0,19	720116	30
WFML200	240	0,30	0,22	720121	30
WFML300	340	0,25	0,29	720131	30
WFML400	450	0,18	0,35	720141	20

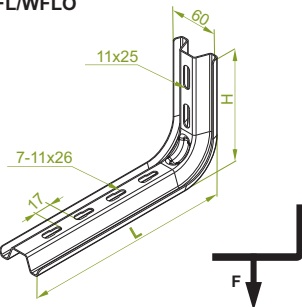
For installation we recommend to use spacer PD9, see page 13



IMPORTANT! Non-standard lengths of brackets available to special order



WFL/WFLO



WFL/WFLO...

± 2,0 mm

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WFL/WFLO100	170	120	1,40	0,30	720110	30
WFL/WFLO150	220	130	1,10	0,37	720115	30
WFL/WFLO200	260	130	0,90	0,43	720120	30
WFL/WFLO300	360	130	0,50	0,58	720130	30
WFL/WFLO400	460	130	0,37	0,72	720140	20
WFL/WFLO500	560	130	0,27	0,85	720150	20
WFL600	660	130	0,17	1,00	720160	20

For installation we recommend to use spacer PD11, see page 13

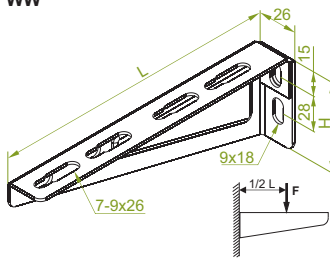


IMPORTANT! Non-standard lengths of brackets available to special order



Bracket

WW



WW...

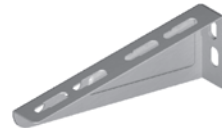
± 1,5 mm

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WW50	60	48	0,85	0,05	710405	100
WW100	110	70	0,90	0,08	710410	100
WW150	160	70	1,00	0,12	710415	100
WW200	210	73	1,05	0,22	710420	100
WW300	315	95	1,25	0,40	710430	50
WW400	415	95	1,15	0,57	710440	30

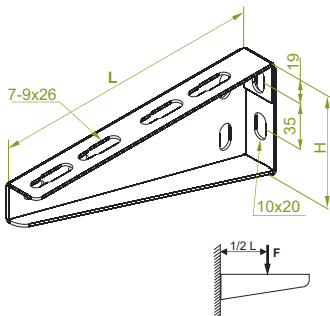
± 2,0 mm

± 2,5 mm

IMPORTANT! Non-standard lengths of brackets available to special order



WWS/WWSO



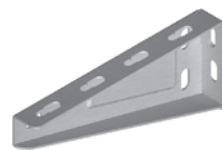
WWS/WWSO...

± 2,0 mm

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWS/WWSO100	122	80	1,20	0,19	710510	50
WWS/WWSO150	172	80	1,30	0,28	710515	50
WWS/WWSO200	222	90	1,40	0,38	710520	30
WWS/WWSO300	322	115	1,90	0,77	710530	30
WWS/WWSO400	422	115	1,80	1,20	710540	20
WWS500	522	115	1,60	1,22	710550	20
WWS600	622	115	1,50	1,33	710560	20
WWS700	722	115	1,40	1,48	710570	10
WWS800	822	140	1,80	2,21	710580	10
WWS900	922	140	1,60	2,93	710590	10
WWS1000	1022	140	1,40	3,66	710511	10

For mechanical properties of screws and anchors see Section IX page 11

IMPORTANT! Non-standard lengths of brackets available to special order



MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)

Available finishes:

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

APPLICATIONS

Supporting cable trays and ladders, pipes and other system's components.

Protective Cap

NOF...

NOFM

CODE	Catalogue No.	Qty
NOFM	900667	100

IMPORTANT! Fits with brackets: WFML and WFMC.

NOF

CODE	Catalogue No.	Qty
NOF	900666	100

IMPORTANT! Fits with brackets: WFL/WFLO and WFC/WFCO.

NOFM



NOF



MATERIAL

Polyethylene. Standard colour: green to RAL 6029.

Available finishes:

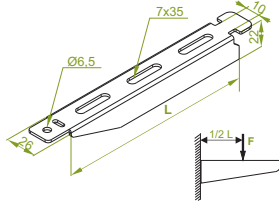
- white to RAL 9010, silver to RAL 9006.



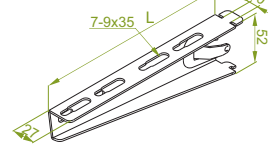
Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

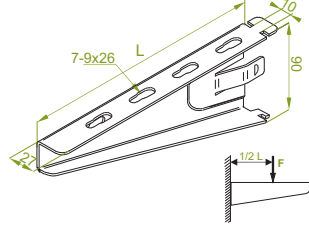
WS



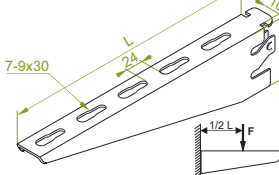
WZSM



WZS



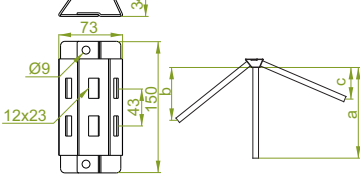
WSZ



APPLICATIONS
Supporting cable trays and ladders, pipes and other system's components.

Angle adapter

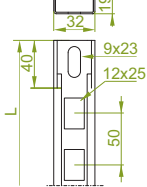
PKW



APPLICATIONS
Adapter allows to assembly brackets at angle. Possibility to use one size of bracket to different cable tray and ladder wideness

Fixing Channel

PWS



APPLICATIONS
Attaching Brackets WS, WZS, WSZ.

Example of how to attach PWS to Bracket WZS and WS



Example of how to attach Brackets WS, WZS, WSZ to Support Channel CWC40H40



NOTE
Brackets WS, WZS, WSZ fit to the following sections:
CW...40H22, CW...40H40, CW...40H47, C...40H20, C...50H30, C...55H50, CT70H50, CW740H60, CW740H80, CM...40H40, CM...40H60, CM...50H50, CMT40H80, CMT50H100, CTM...40H40, CTM...40H60, CTM...50H50, CTMT70H80, CTMT50H100, CTMT100H100, PWS, PSW, WSR, WPCWNPCCO, WPCENPCCO, WPT, WWT, WPL, WTL.

WS...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WS50	60	0,65	0,04	710105	100
WS100	110	0,60	0,07	710110	50
WS150	160	0,75	0,13	710115	50
WS200	210	0,60	0,17	710120	50
WS300	310	0,45	0,28	710130	50
WS400	410	0,35	0,35	710140	30
WS500	510	0,30	0,45	710150	30

IMPORTANT! Non-standard lengths of brackets available to special order.

WZSM...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WZSM50	65	0,90	0,08	710206	50
WZSM100	115	0,90	0,13	710211	50
WZSM150	165	0,85	0,18	710216	30
WZSM200	215	0,80	0,25	710221	30

Assembly in the bracket's 2 openings

WZS...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WZS100	110	1,30	0,16	710210	50
WZS150	160	1,20	0,21	710215	50
WZS200	210	1,00	0,29	710220	30
WZS300	310	0,85	0,63	710230	30
WZS400	410	0,80	0,78	710240	30
WZS500	510	0,75	0,87	710250	20
WZS600	610	0,70	1,02	710260	20

Assembly in the bracket's 3 openings
IMPORTANT! Non-standard lengths of brackets available to special order.

WSZ...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WSZ100	110	1,30	0,11	710310	50
WSZ150	160	1,20	0,34	710315	50
WSZ200	210	1,00	0,37	710320	30
WSZ300	310	0,90	0,46	710330	30
WSZ400	410	0,85	0,55	710340	30
WSZ500	510	0,75	0,68	710350	20
WSZ600	610	0,70	0,85	710360	20

IMPORTANT! Non-standard lengths of brackets available to special order.

PKW

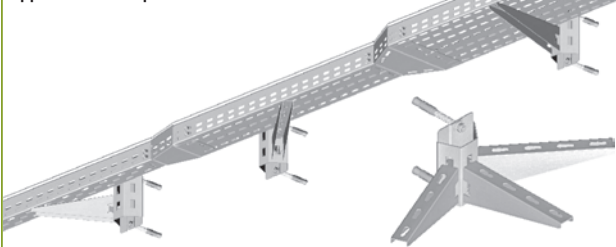
CODE	kg 1pc	Catalogue No.	Qty
PKW	0,39	710001	10

By assembly of the same bracket at 3 different surfaces of the adapter we have 3 different support lengths. It means that on bracket 400mm we can assembly cable tray or ladder width a=400. b=200 or c=100 mm

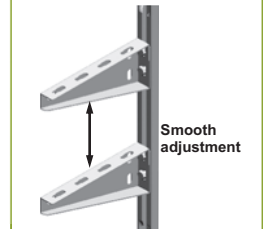
PWS...

CODE	Length L mm	kg 1pc	Catalogue No.	Qty
PWS/01	110	0,09	740110	100
PWS/02	200	0,23	740120	30
PWS/03	300	0,33	740130	30
PWS/04	400	0,43	740140	30
PWS/05	500	0,53	740150	30
PWS/1	1000	1,06	740111	10
PWS/2	2000	2,01	740112	8
PWS/3	3000	3,10	740113	8

Application Example of PKW



Example of how to attach PWS to Bracket WWS/WWSO



MATERIAL

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

MATERIAL

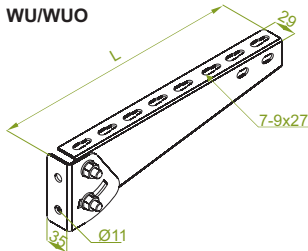
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)



Note. Hot dip galvanizing (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

Variable Bracket

WU/WUO

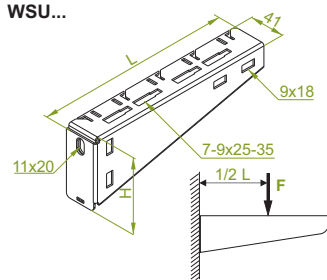


APPLICATIONS

Supporting cable trays and ladders, pipes and other system's components

Bracket

WSU...

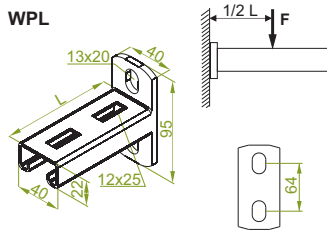


APPLICATIONS

Suspending cable runs.

Bracket

WPL



APPLICATIONS

Supporting cable trays and ladders, pipes and other systems' components, particularly where installation of cable runs is space restricted (e.g. above a suspended ceiling)

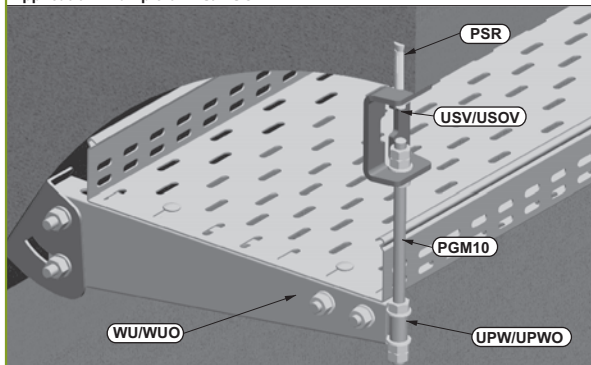
Protective Cap

NOW40x22

APPLICATIONS

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

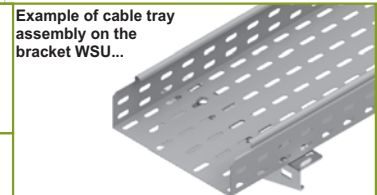
Application Example of WU/WUO



Example of WSU... bracket assembly to U-profile / ceiling bracket, with a screw SGK8... or SGK10...

to the open part of U-profile / ceiling bracket, with a screw SRM8... or SRM10...

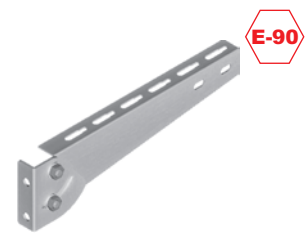
directly to the wall with expansion bolt PSRM8... or PSRM10...



WU/WUO...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WU/WUO100	145	1,00	0,22	805210	50
WU/WUO200	245	0,85	0,34	805220	50
WU/WUO300	345	0,70	0,45	805230	30
WU/WUO400	445	0,55	0,64	805240	20
WU500	545	0,45	0,79	805250	20
WU600	645	0,30	0,94	805260	20

IMPORTANT! Non-standard lengths of brackets available to special order.



WSU...

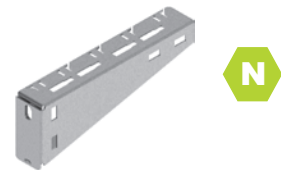
CODE	Height H mm	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WSU100	75	140	1,20	0,27	712310	50
WSU150	75	190	1,30	0,35	712315	50
WSU200	75	240	1,40	0,42	712320	30
WSU300	105	340	1,90	0,85	712330	30
WSU400	105	440	1,80	1,08	712340	20
WSU500	115	540	1,60	1,37	712350	20
WSU600	115	640	1,50	1,59	712360	20

FEATURES & BENEFITS:

- assembly to the wall or to the bracket using 1 screw only
- increased width allows for assembly to the open part of Support Channel 40 mm and 41 mm.
- bracket adapted to Cable Tray assembly with the use of Clamp (Clamps soon available in the offer); no screws are needed

MATERIAL

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



WPL...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WPL100	115	1,90	0,20	710710	50
WPL150	165	1,80	0,27	710715	50
WPL200	215	1,70	0,34	710720	50
WPL300	315	1,30	0,49	710730	30
WPL400	415	1,00	0,61	710740	30
WPL500	515	0,80	0,75	710750	30

IMPORTANT! Non-standard lengths of brackets available to special order.
For mechanical properties of screws and anchors see Section XI page 15



WTL...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WTL100	115	1,90	0,24	710810	50
WTL150	165	1,80	0,29	710815	50
WTL200	215	1,70	0,38	710820	50
WTL300	315	1,30	0,52	710830	30
WTL400	415	1,00	0,65	710840	30
WTL500	515	0,80	0,79	710850	30

IMPORTANT! Non-standard lengths of brackets available to special order.
For mechanical properties of screws and anchors see Section XI page 15



MATERIAL

Hot-dip galv. steel
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)

NOW40x22

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

MATERIAL

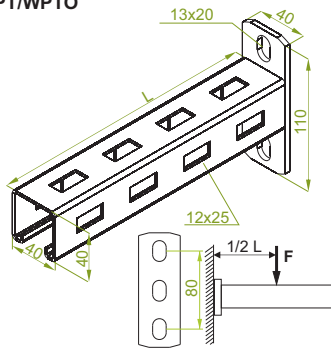
Polyethylene. Standard colour: green to RAL 6029.
Available finishes:
white to RAL 9010, silver to RAL 9006.



Note. Hot dip galvanizing (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

WPT/WPTO

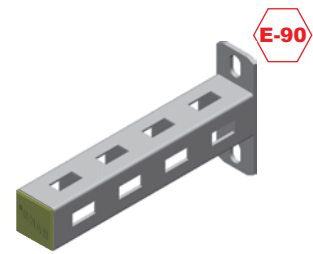


WPT/WPTO...

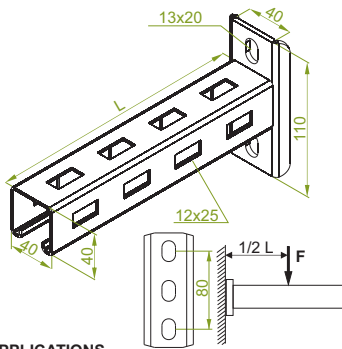
CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WPT/WPTO100	115	3,00	0,48	710910	30
WPT150	165	2,50	0,57	710915	30
WPT200	215	2,00	0,65	710920	30
WPT300	315	1,70	0,92	710930	30
WPT400	415	1,60	1,12	710940	20
WPT500	515	1,40	1,33	710950	20
WPT600	615	1,30	1,39	710960	20
WPT700	715	1,20	1,78	710970	8
WPT800	815	1,10	1,93	710980	8
WPT900	915	1,00	2,16	710990	8
WPT1000	1015	0,90	2,38	710911	8

IMPORTANT! Non-standard lengths of brackets available to special order.

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



WWT

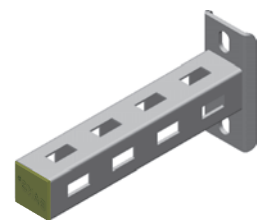


WWT...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWT100	115	3,00	0,51	711010	30
WWT150	165	2,50	0,60	711015	30
WWT200	215	2,00	0,69	711020	30
WWT300	315	1,70	0,96	711030	30
WWT400	415	1,60	1,15	711040	30
WWT500	515	1,40	1,37	711050	20
WWT600	615	1,30	1,43	711060	10
WWT700	715	1,20	1,82	711070	8
WWT800	815	1,10	1,97	711080	8
WWT900	915	1,00	2,20	711090	8
WWT1000	1015	0,90	2,43	711011	8

IMPORTANT! Non-standard lengths of brackets available to special order.

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



APPLICATIONS

Supporting cable trays and ladders, pipes and other systems' components, particularly where installation of cable runs is space restricted (e.g. above a suspended ceiling)

MATERIAL

Hot-dip galv. steel
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

NOW40x40

NOW40x40

CODE	Width a mm	Height H mm	Catalogue No.	Qty
NOW40x40	40	40	760400	100

APPLICATIONS

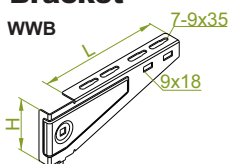
Protecting installers against cut from steel edges; Improving overall product appearance

MATERIAL

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

Bracket

WWB



WWB...

CODE	Height H mm	Length L mm	Allowable Tensile Load F _{max} [kN]	kg	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

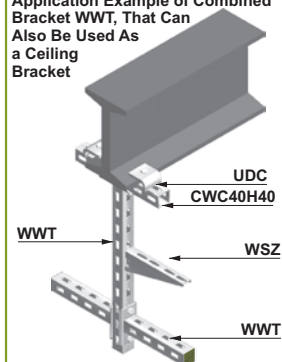
APPLICATIONS

Suspending cable runs. Suited for assembly on the WPCB... bracket

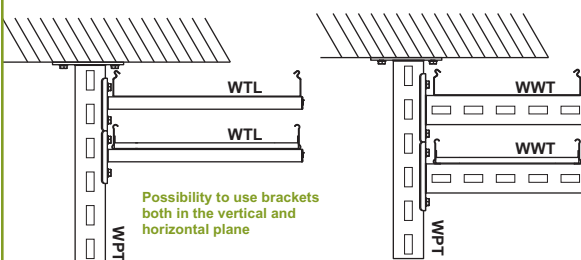
MATERIAL

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

Application Example of Combined Bracket WWT, That Can Also Be Used As a Ceiling Bracket

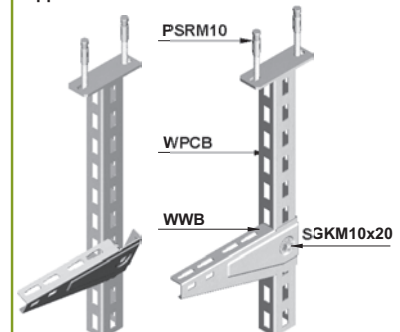


Example of Versatility of Brackets WTL and WWT, Particularly Where Vertical Multi-Level (Multi-Tier) Formation in Close Proximity Proves Necessary



Possibility to use brackets both in the vertical and horizontal plane

Assembly of the WWB bracket on the WPCB support.

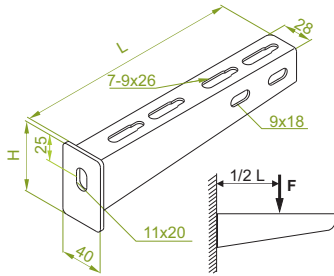




Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

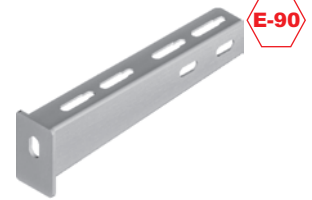
WMCN



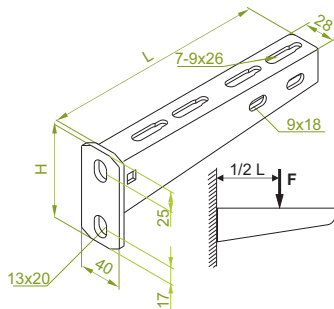
WMCN...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WMCN100	115	65	1,5	0,17	712010	50
WMCN150	165	65	1,4	0,20	712015	50
WMCN200	215	65	1,4	0,24	712020	30
WMCN300	315	75	1,4	0,40	712030	30
WMCN400	415	75	1,3	0,60	712040	20
WMCN500	515	90	1,3	0,86	712050	20
WMCN600	615	90	1,3	1,00	712060	20

IMPORTANT! Upgraded Bracket WMCN.
WMCN is a new, more economical version of WMC/WMCO.
IMPORTANT! Non-standard lengths of brackets available to special order. For mechanical properties of screws and anchors see Section XI page 15



WMC/WMCO



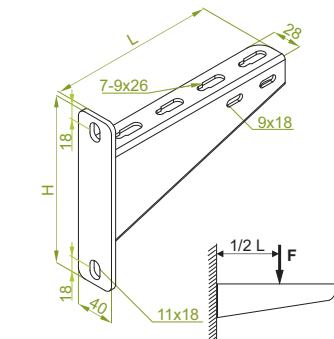
WMC/WMCO...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WMC/WMCO100	115	95	3,80	0,22	711110	50
WMC/WMCO150	165	95	3,65	0,29	711115	50
WMC/WMCO200	215	95	3,50	0,36	711120	50
WMC/WMCO300	315	120	3,20	0,43	711130	30
WMC/WMCO400	415	120	3,10	0,83	711140	30
WMC/WMCO500	515	140	3,00	0,96	711150	20
WMC/WMCO600	615	140	2,60	1,15	711160	20
WMC700	715	140	2,00	1,87	711170	4
WMC800	815	155	1,90	2,27	711180	4
WMC900	915	155	1,80	2,51	711190	4
WMC1000	1015	155	1,70	2,75	711111	4

IMPORTANT! Non-standard lengths of brackets available to special order. For mechanical properties of screws and anchors see Section XI page 15



WWCN



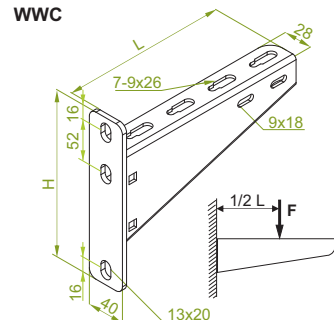
WWCN...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWCN100	115	140	2,0	0,20	712110	50
WWCN200	215	140	1,8	0,29	712120	50
WWCN300	315	155	1,8	0,47	712130	20
WWCN400	415	155	1,8	0,75	712140	20
WWCN500	515	170	1,7	0,98	712150	10
WWCN600	615	170	1,7	1,10	712160	10

IMPORTANT! Upgraded Bracket WWCN. WWCN is a new, more economical version of WWC.
IMPORTANT! Non-standard lengths of brackets available to special order. For mechanical properties of screws and anchors see Section XI page 15



WWC



WWC...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWC200	215	175	4,0	0,59	711220	30
WWC300	315	175	4,0	0,80	711230	20
WWC400	415	190	3,5	1,17	711240	20
WWC500	515	190	3,5	1,42	711250	10
WWC600	615	190	3,5	1,81	711260	10
WWC700	715	190	3,0	2,09	711270	4
WWC800	815	255	3,0	3,23	711280	4
WWC900	915	255	3,0	3,88	711290	4
WWC1000	1015	255	2,5	4,25	711211	4

IMPORTANT! Non-standard lengths of brackets available to special order. For mechanical properties of screws and anchors see Section XI page 15



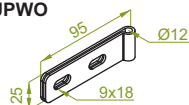
MATERIAL
Hot-dip galv. steel
PN-EN ISO 1461:2011
Available finishes:
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

APPLICATIONS

Supporting cable trays and ladders, pipes, and other system's components under very heavy load

Rod Grip

UPW/UPWO



UPW/UPWO

CODE	Catalogue No.	Qty
UPW/UPWO	750100	100

APPLICATIONS

Alternative to attach threaded rod support at the end of the bracket to enhance their mechanical properties. To be used with WWT, WWC, WWCH, WMCH.

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

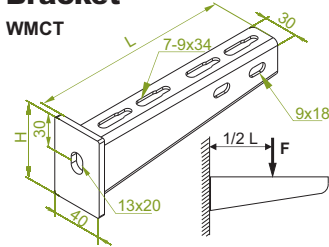
Support System – Wall-Mounted



Note. Hot dip galvanizing (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

WMCT



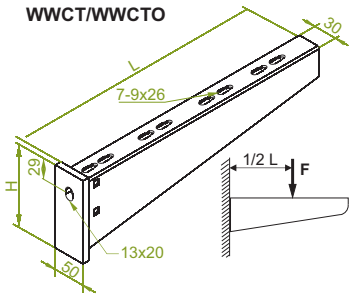
WMCT...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WMCT100	115	60	3,3	0,49	711911	10
WMCT200	215	70	3,3	0,49	711921	10
WMCT300	315	80	3,3	0,70	711931	8
WMCT400	415	100	3,1	1,11	711941	6
WMCT500	515	110	3,0	1,51	711951	1
WMCT600	615	130	2,7	1,94	711961	1
WMCT700	715	140	2,4	2,40	711971	1
WMCT800	815	150	2,2	2,80	711981	1
WMCT900	915	160	2,0	3,20	711991	1
WMCT1000	1015	170	2,0	3,67	711901	1

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



WWCT/WWCTO



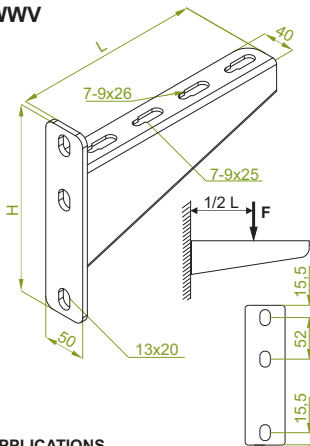
WWCT/WWCTO...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWCT/WWCTO200	210	90	5,50	0,70	713020	10
WWCT/WWCTO300	310	110	5,50	0,95	713030	8
WWCT/WWCTO400	410	130	5,00	1,49	713040	6
WWCT500	510	145	5,00	1,70	713050	1
WWCT600	610	165	4,50	2,38	713060	1
WWCT700	710	185	4,50	2,60	713070	1
WWCT800	810	195	4,00	3,38	713080	1
WWCT900	910	205	4,00	3,71	713090	1
WWCT1000	1010	225	4,00	4,45	713000	1

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



WWV



WWV...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg	Catalogue No.	Qty
WWV200	215	175	6,5	1,16	711920	20
WWV300	315	175	6,5	1,49	711930	10
WWV400	415	195	6,5	2,42	711940	10
WWV500	515	195	6,5	2,88	711950	10
WWV600	615	250	5,0	4,17	711960	4
WWV700	715	250	5,0	4,77	711970	4
WWV800	815	250	5,0	5,35	711980	4

Strength values refer to concrete class B20
IMPORTANT! Non-standard lengths of brackets available to special order



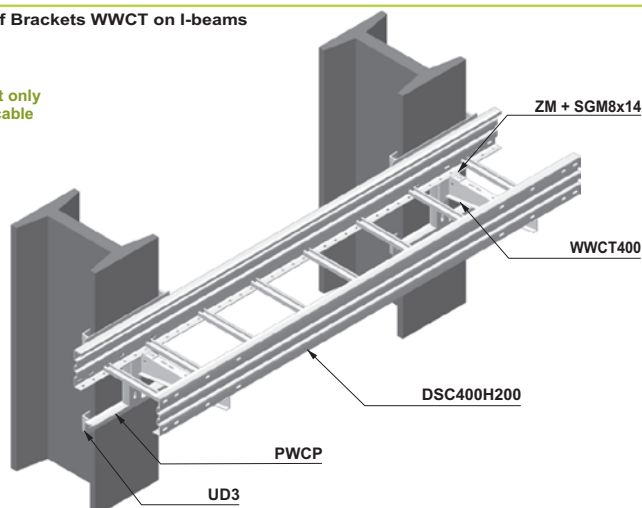
APPLICATIONS

Supporting cable trays and ladders, pipes, and other system's components under very heavy load

Example Assembly with an Application of Brackets WWCT on I-beams

FEATURES & BENEFITS:

- wall-mount alternative using one anchor bolt only
- perforation of brackets will suit all types of cable trays and ladders from BAKS



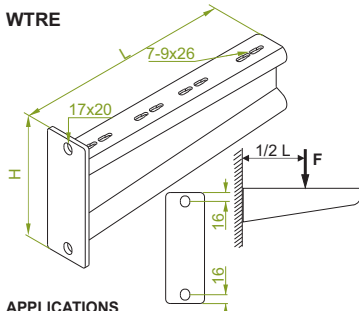
MATERIAL

Hot-dip galv. steel
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

WTRE



APPLICATIONS

Supporting cable trays and ladders, pipes and other system's components, under very heavy load.

WTRE...

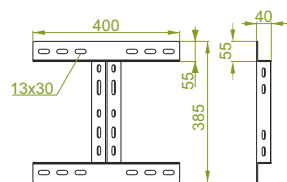
CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WTRE200	215	200	8,00	1,90	713220	10
WTRE300	315	200	7,00	2,70	713320	8
WTRE400	415	220	7,00	3,40	713420	6
WTRE500	515	220	6,00	4,30	713520	1
WTRE600	615	220	6,00	5,20	713620	1
WTRE700	715	220	5,50	5,80	713720	1
WTRE800	815	280	7,00	6,30	713820	1
WTRE900	915	280	7,00	6,90	713920	1
WTRE1000	1015	280	6,50	7,50	713120	1
WTRE1100	1115	280	6,00	8,10	713121	1
WTRE1200	1215	280	5,00	8,70	713122	1
WTRE1300	1315	280	4,50	9,40	713123	1
WTRE1400	1415	280	4,00	10,10	713124	1
WTRE1500	1515	280	3,50	10,70	713125	1

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

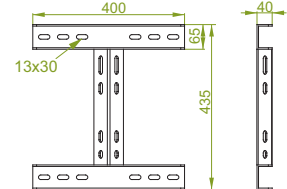


Adapter Plate

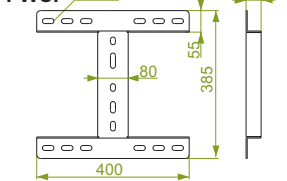
PWCK



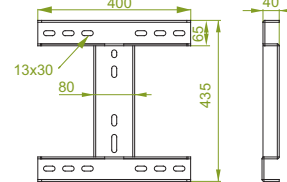
PWTK



PWCP



PWTP



APPLICATIONS

Fastening heavy duty brackets to steel and concrete structures

PWCK

CODE	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
PWCK	2,00	3,00	721100	1

IMPORTANT! Mounting system specially adjusted to Brackets WWC, WMC/WMCO, WWV. To install bracket mounting systems use Hold-Down Clamps UD3.

PWTK

CODE	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
PWTK	3,00	5,20	721200	1

IMPORTANT! Mounting system specially adjusted to Brackets Reinforced WTRE and Brackets WWV and WWC. To install bracket mounting systems use Hold-Down Clamps UD4.

PWCP

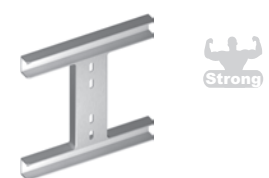
CODE	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
PWCP	2,50	3,60	722300	1

IMPORTANT! Mounting system specially adjusted to Brackets WWC, WMC/WMCO, WWV. To install bracket mounting systems use Hold-Down Clamps UD3.

PWTP

CODE	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
PWTP	4,00	5,80	722400	1

IMPORTANT! Mounting system specially adjusted Reinforced WTRE and Brackets WWV and WWC. To install bracket mounting systems use Hold-Down Clamps UD4.

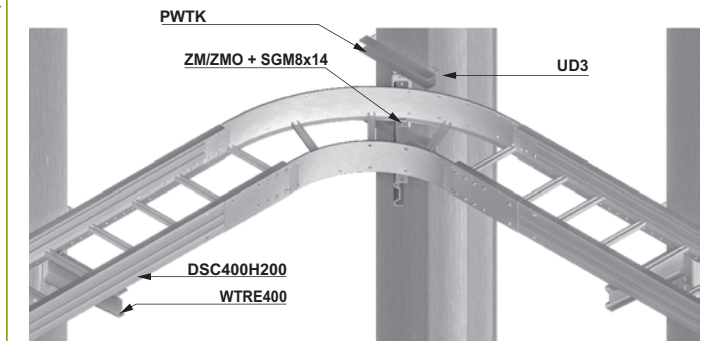
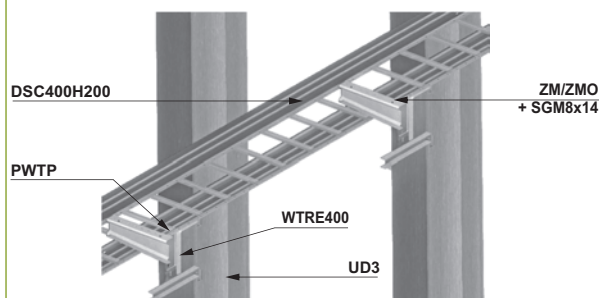


MATERIAL

Hot-dip galv. steel
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)

Due to the market demand we at BAKS have introduced a very durable bracket with trapeze reinforcement. It can be fixed directly to walls or to assemblies on Ceiling Brackets WPCT and WPCE/WPCEO from BAKS, as well as in combination with adapter plate for assemblies on steel beams.

Example Assembly

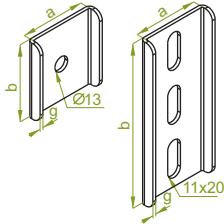




Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zinc flake coating method PN-EN ISO 10683:2014-09

Assembly Plate

PZC...

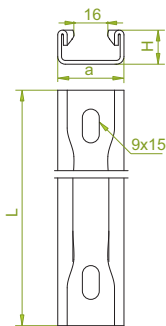


APPLICATIONS

A nut protecting channels against unbending, allowing the use of brackets to install with channels

Rung

SD...



APPLICATIONS

In combination with Cable Clamp UK/UKO to attach electrical cables directly on the wall in the vertical plane, or horizontally onto the ceiling

PZC...

± 2,0 mm

CODE	Dimension a mm	Dimension b mm	Dimension g mm	kg 1pc	Catalogue No.	Qty
PZC40	40	40	2,00	0,03	750300	100
PZC100	40	100	2,00	0,09	750400	100
PZC50	50	50	4,00	0,05	750301	100
PZC100/50	50	100	4,00	0,14	750401	100



MATERIAL for PZC40 and PZC100

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09

Available finishes:

F- steel galvanized using zinc flake coating method 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 for PZC50 and PZC100/50

Steel galvanized using zinc flake coating method 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)

SDC...

± 2,0 mm

CODE	Width a mm	Height H mm	Length L mm	kg 1pc	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

IMPORTANT! Perforated rungs available upon special request



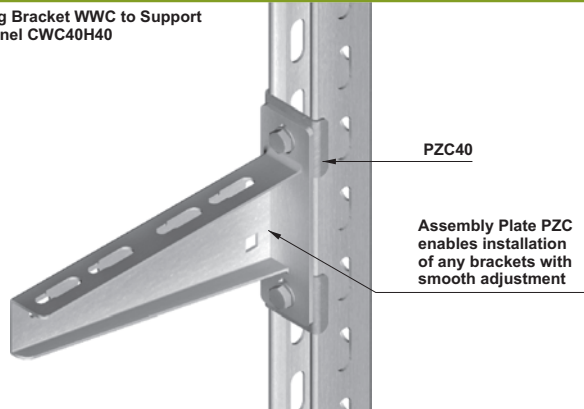
MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)

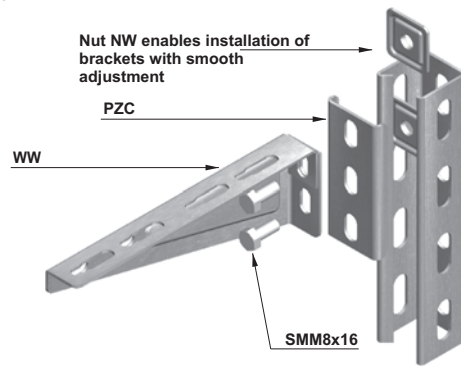
Available finishes:

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

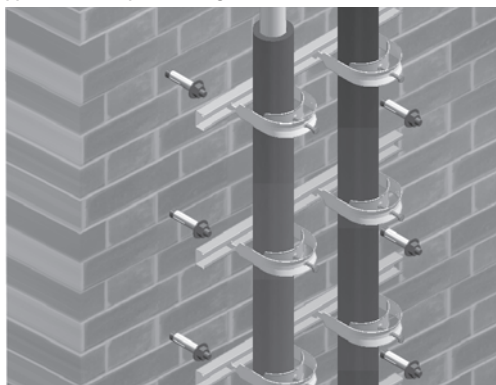
Fixing Bracket WWC to Support Channel CWC40H40



Installation Example of Assembly Plate PZC with Nut NW to Fix a Bracket with a Support Channel



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

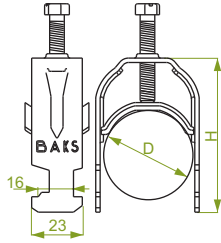




Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zinc flake coating method PN-EN ISO 10683:2014-09

Cable Clamp

UK1/UKO1



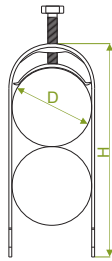
UK1/UKO1...

CODE	Dimension		kg	Catalogue No.	Qty
	D mm	H mm			
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

Note. Old type of Cable Clamp UK1/UKO1 is available only while stock lasts.
Possibility to use protection through RO1.



UK2/UKO2



UK2/UKO2...

CODE	Dimension		kg	Catalogue No.	Qty
	D mm	H mm			
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



APPLICATIONS

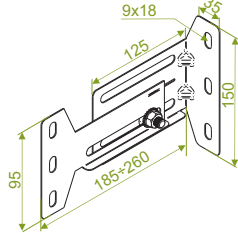
Fixing cables to cable ladders
DUP, DUD, DUC, DSP, DSC, DST

MATERIAL

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

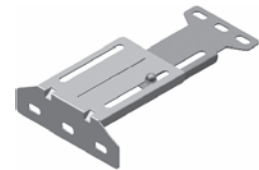
Adjustable Spacer

ODA

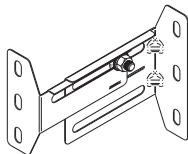


ODA

CODE	kg	Catalogue No.	Qty
ODA	1pc 0,37	752026	40

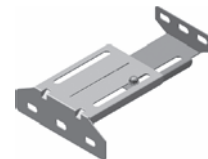


ODB



ODB

CODE	kg	Catalogue No.	Qty
ODB	1pc 0,37	752122	40



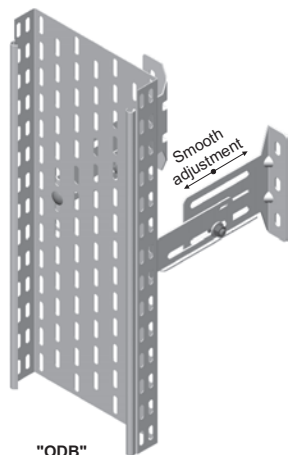
MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method 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)

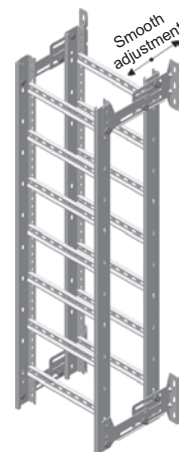
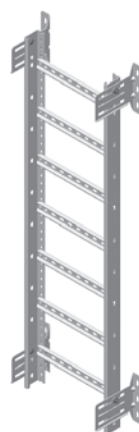
APPLICATIONS

Installing cable trays and ladders in the proper distance from the wall

Application Examples of "ODA" and "ODB"



"ODB"



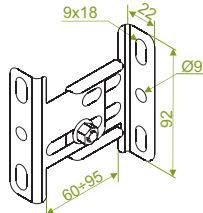
"ODA"



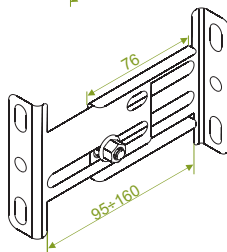
Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zinc flake coating method PN-EN ISO 10683:2014-09

Adjustable Spacer

ODC



ODD



APPLICATIONS

Installing cable trays and ladders in the proper distance from the wall

ODC

CODE



1pc

Catalogue No.



Qty

ODC 0,13 752222 40



ODD

CODE



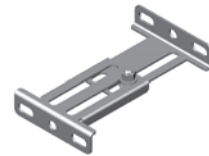
1pc

Catalogue No.



Qty

ODD 0,17 752223 40

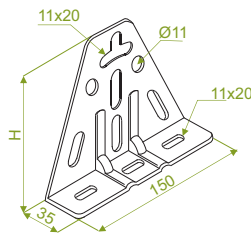


MATERIAL

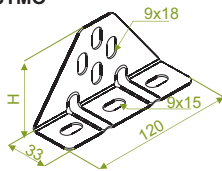
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Fastening Bracket

UT



UTM/UTMO



APPLICATIONS

Installing cable trays and ladders in the proper distance from the wall

UT

± 2,0 mm

CODE

Height H mm



1pc

Catalogue No.



Qty

UT 130 0,23 751600 50



UTM/UTMO

± 2,0 mm

CODE

Height H mm



1pc

Catalogue No.



Qty

UTM/UTMO 66 0,17 751700 100



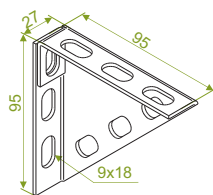
MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method 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)



Angle Bracket

TM



APPLICATIONS

Fast installation of large structures on channels

TM

CODE



1pc

Catalogue No.



Qty

TM 0,12 751909 100

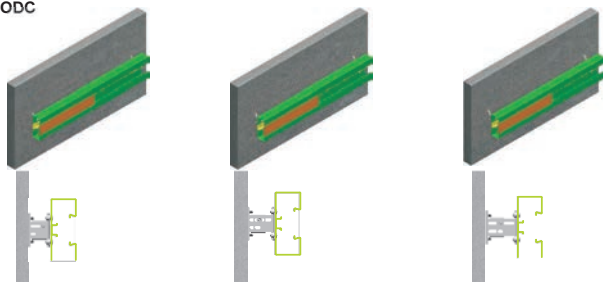


MATERIAL

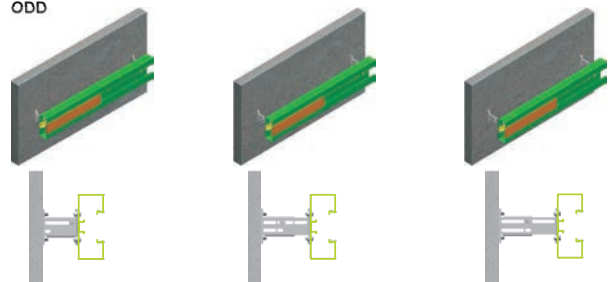
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
E- stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p. 4)

Application Examples of ODC and ODD with Wall Trunking Systems

ODC



ODD

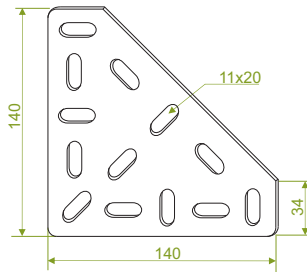




Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zinc flake coating method PN-EN ISO 10683:2014-09

Fastening Plate

BTM



BTM

CODE	kg	Catalogue No.	Qty
BTM	0,18	751800	50



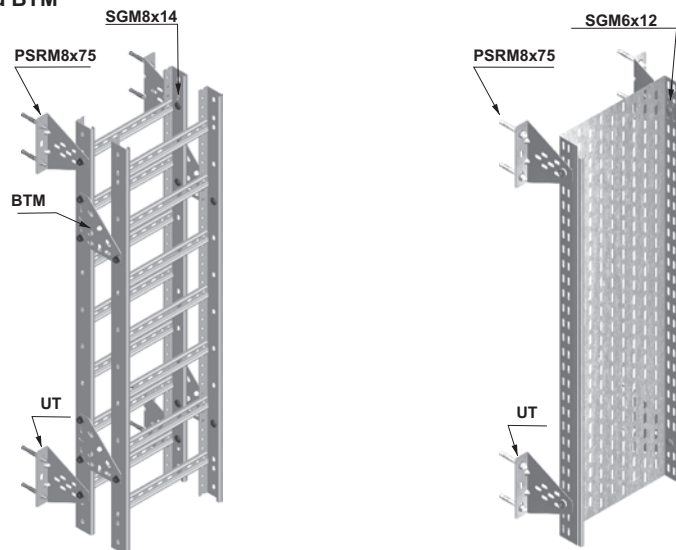
MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method 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)

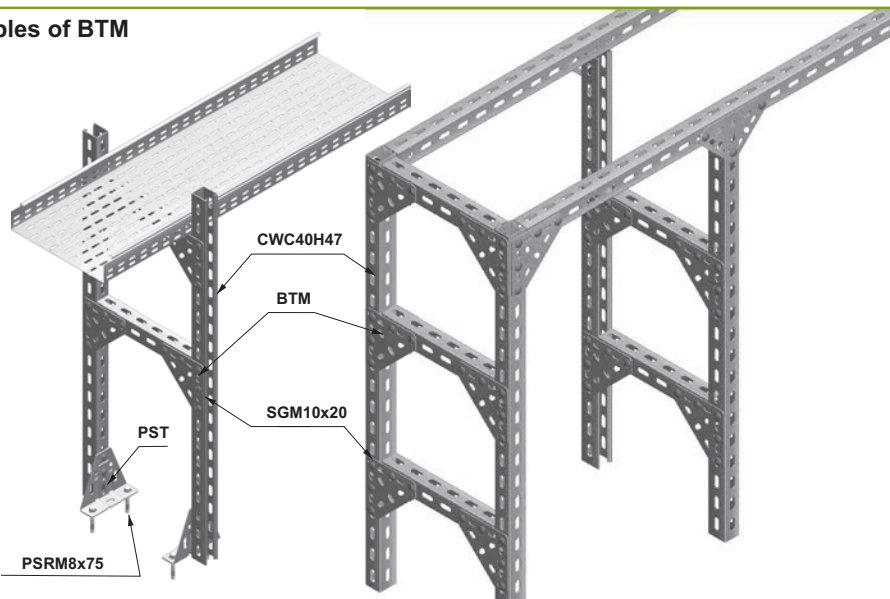
APPLICATIONS

Fast installation of large structures on channels

Application Examples of UT and BTM



Application Examples of BTM



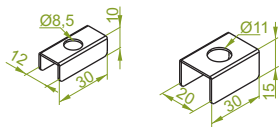


Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Spacer

PD9

PD11



APPLICATIONS

PD11 - for Brackets WFC/WFCO, WFL, WFCFS, WFLS
 PD9 - for Brackets WFMC, WFML Thanks to using spacers stiff hold is obtained

PD9

CODE	Dimension Ø mm	kg 1pc	Catalogue No.	Qty
PD9	8,5	0,02	803200	100

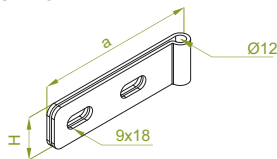
PD11

CODE	Dimension Ø mm	kg 1pc	Catalogue No.	Qty
PD11	11	0,03	803100	100



Rod Grip

UPW/UPWO

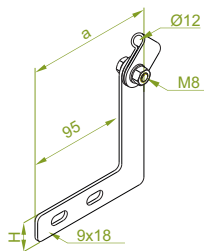


UPW/UPWO

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPW/UPWO	95	25	750100	100



UPWK/UPWKO



UPWK/UPWKO

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPWK/UPWKO	128	25	752900	50

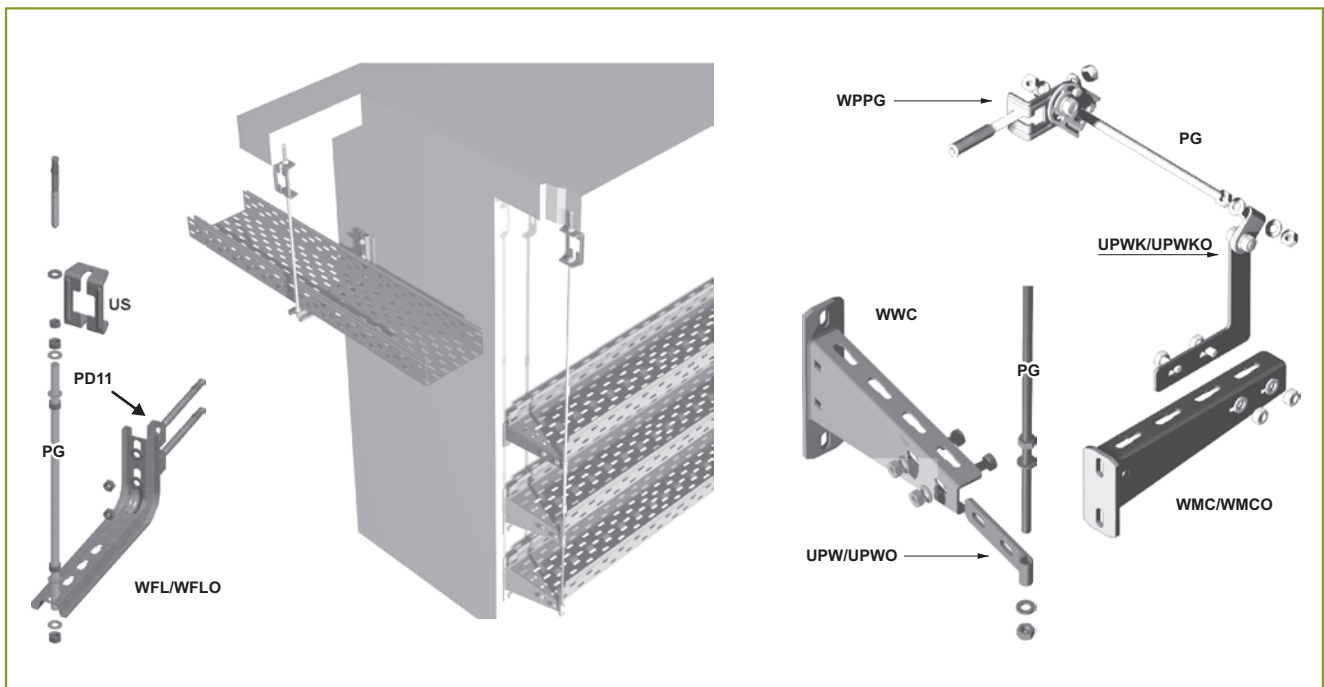


APPLICATIONS

Alternative to attach threaded rod support at the end of the bracket to enhance their mechanical properties.
 To be used with do WZS, WW, WWT, WWS/WWSO, WWC, WWCH, WMCH.

MATERIAL:

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
 Available finishes:
 F- steel galvanized using zinc flake coating method 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)

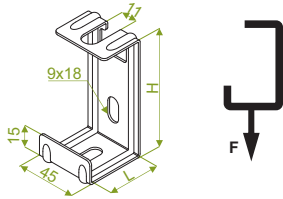




Note. Hot dip galvanizing (PN-EN ISO 1461:2011 (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Side Holder

WC



WC...

CODE	Length L mm	Height H mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	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

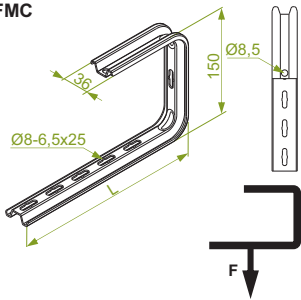


MATERIAL

Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09 (SG)
Available finishes:
F- steel galvanized using zinc flake coating method 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)

Bracket

WFMC



WFMC...

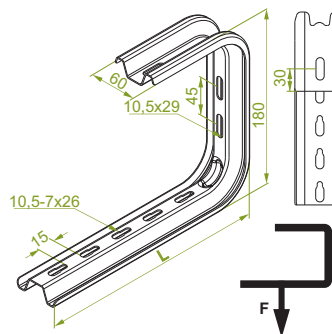
CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WFMC50	127	0,40	0,22	720312	20
WFMC100	143	0,35	0,26	720311	20
WFMC150	197	0,30	0,30	720316	20
WFMC200	243	0,25	0,33	720321	20
WFMC300	337	0,20	0,42	720331	20
WFMC400	443	0,15	0,48	720341	20

For installation we recommend to use spacer PD9, see page 13



Bracket

WFC/WFCO



WFC/WFCO...

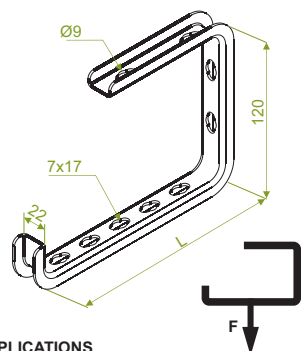
CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	Catalogue No.	Qty
WFC/WFCO100	165	0,85	0,47	720310	20
WFC/WFCO150	205	0,70	0,53	720315	20
WFC/WFCO200	255	0,50	0,60	720320	20
WFC/WFCO300	355	0,30	0,73	720330	20
WFC/WFCO400	455	0,23	0,86	720340	20
WFC500	555	0,14	0,99	720350	20
WFC600	655	0,10	1,12	720360	20

For installation we recommend to use spacer PD11, see page 13



Bracket

WSS



WSS...

CODE	Length L mm	Allowable Tensile Load F _{max} [kN]	kg 1pc	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

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



MATERIAL

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

APPLICATIONS
Suspending cable runs.

Protective Cap

NOF...

NOFM

CODE	Catalogue No.	Qty
NOFM	900667	100

IMPORTANT! Fits with brackets: WFML and WFMC.

NOF

CODE	Catalogue No.	Qty
NOF	900666	100

IMPORTANT! Fits with brackets: 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.