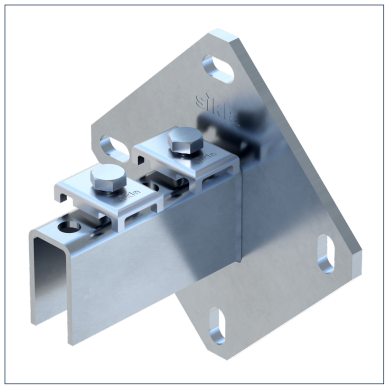
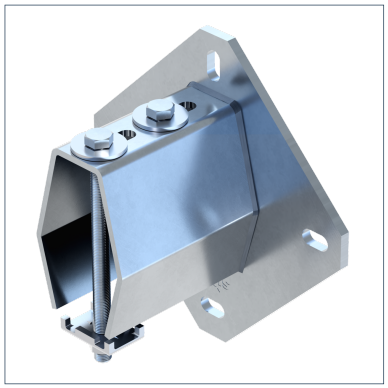
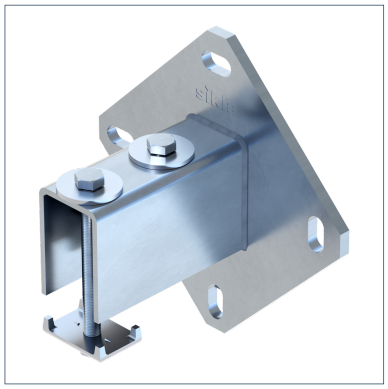
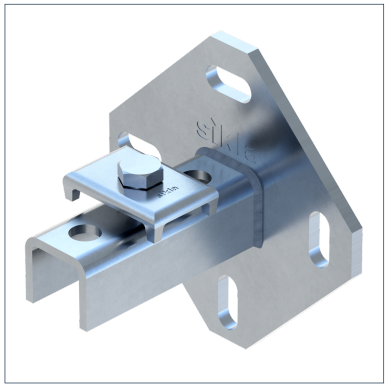
End Support WBD 41









General Information

In combination with a Sikla Channel MS 41, End Support WBD is particularly suitable for setting up support structures attached to walls, floors and ceilings as a base for frame structures made of Sikla Channels. The generous dimensions and the diamond shape of the mounting plate provide a high bending moment and safely stabilise lateral loads.

Installation

Normally, two bolts grouped opposite to each other and along the load axis are sufficient. Only in exceptional cases (e.g. tall uprights in frameworks) four bolts are required.

Minimum torque values for the hexagon bolts of the 41 Holding Brackets are:

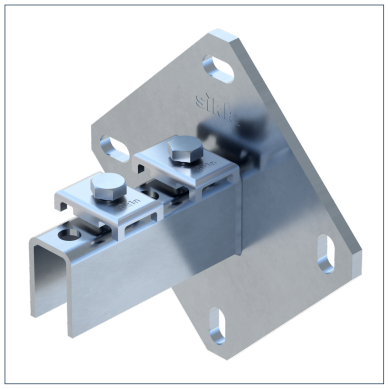
Types	Holding Brackets [pcs]	Bolt for Holding Bracket	Accessories	Torque [Nm]
41/21-31 bis 41/41-45	1	M10	pre-assembled	40
41/52 bis 41-75/75	2	M12	pre-assembled	60
41/21 D bis 41/45 D	1	M10	in loose form	40
41/52 D bis 41-75/75 D	1	M12	in loose form	60

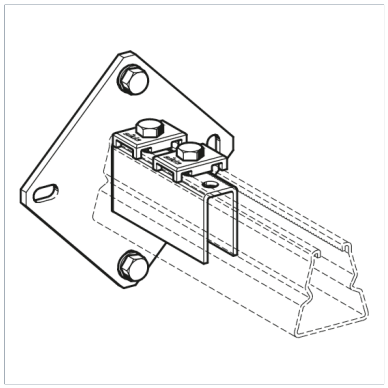
For ceiling mounting under high loads (up to 7.0 kN), we recommend the use of at least one fully traversing bolt for connecting the channel to the End Support WBD (for examples see "Installation Guideline").

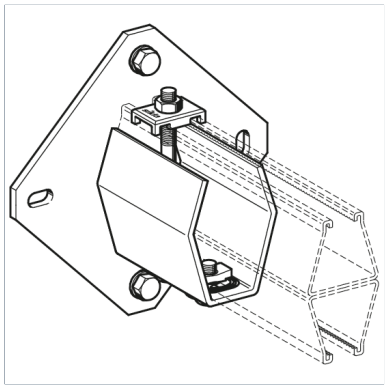
Selection guide for channels:

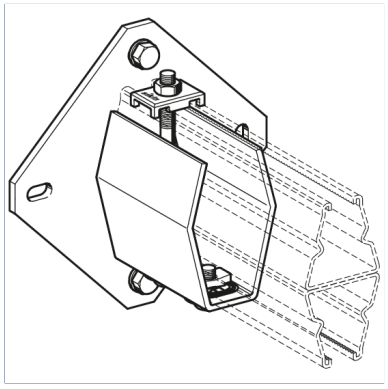
Type	Suitable for Sikla Channel
41/21-31	41/21/1,5 - 2,0 & 41/31/2,0
41/41-45	41/41/2,0 - 2,5 & 41/45/2,5
41/52	41/52/2,5
41/62	41/62/2,5
41-75/65	41-75/65/3,0
41-75/75	41-75/75/3,0
41/21 D	41/21/1,5 - 2,0 D
41/41-45 D	41/41/2,0 - 2,5 D & 41/45/2,5 D
41/52 D	41/52/2,5 D
41/62 D	41/62/2,5 D
41-75/65 D	41-75/65/3,0 D
41-75/75 D	41-75/75/3,0 D

End Support WBD 41









Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Surface finish	electro galvanized (Fe//Zn)
Corrosion protection class	C2

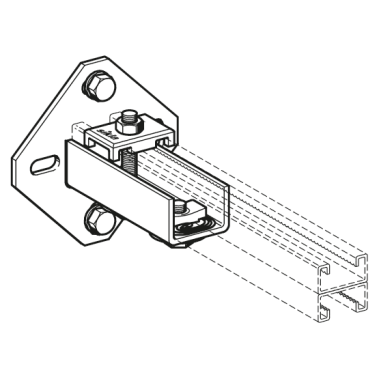
Forces

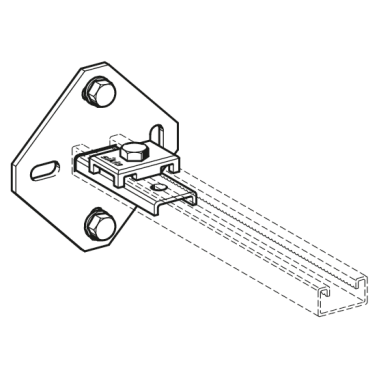
Type	V{X,perm.}
WBD 41/21-31	2,00 kN
WBD 41/41-45	2,00 kN
WBD 41/52	4,00 kN
WBD 41/62	4,00 kN
WBD 41-75/65	4,00 kN
WBD 41-75/75	4,00 kN
WBD 41/21 D	4,00 kN
WBD 41/41-45 D	4,00 kN
WBD 41/52 D	4,00 kN
WBD 41/62 D	4,00 kN
WBD 41-75/65 D	4,00 kN
WBD 41-75/75 D	4,00 kN

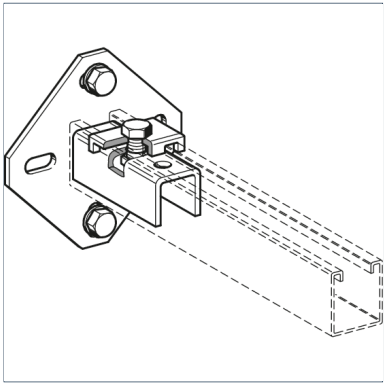
Types

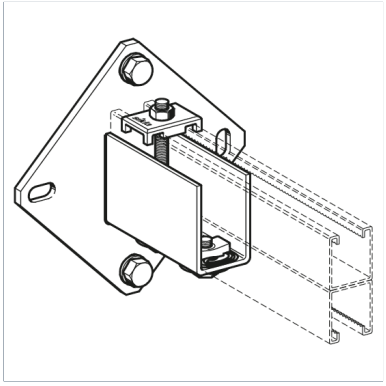
Type	Weight	Quantity	Part number
WBD 41/21-31	0,728 kg/pcs.	10 pcs.	177725
WBD 41/41-45	0,811 kg/pcs.	10 pcs.	155054
WBD 41/52	1,502 kg/pcs.	5 pcs.	177734
WBD 41/62	1,579 kg/pcs.	5 pcs.	155063
WBD 41-75/65	2,223 kg/pcs.	5 pcs.	177743
WBD 41-75/75	2,278 kg/pcs.	5 pcs.	177752
WBD 41/21 D	1,187 kg/pcs.	5 pcs.	146469
WBD 41/41-45 D	2,539 kg/pcs.	5 pcs.	106768
WBD 41/52 D	2,932 kg/pcs.	5 pcs.	177761
WBD 41/62 D	4,109 kg/pcs.	5 pcs.	155090

End Support WBD 41









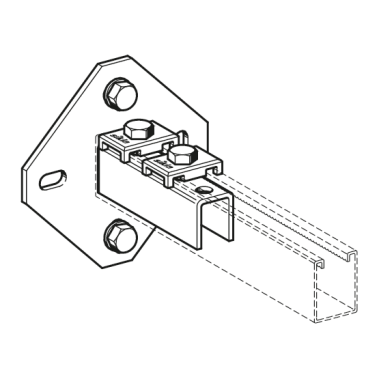
Type	Weight	Quantity	Part number
WBD 41-75/65 D	4,345 kg/pcs.	5 pcs.	177770
WBD 41-75/75 D	4,481 kg/pcs.	5 pcs.	177779

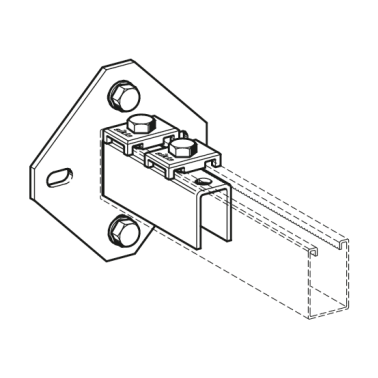
Dimensions

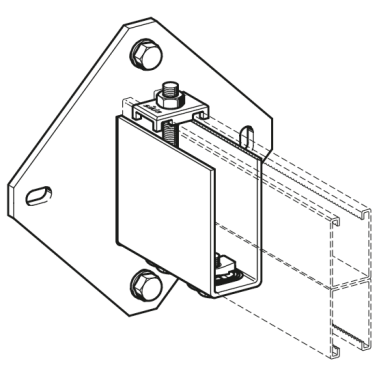
Type	B2	BP	BP1	bP	H	HP	HP1	lzP	lz	LG	tP
WBD 41/21-31		135 mm	100 mm	11 mm	12,5 mm	135 mm	100 mm	14 mm		100,5 mm	6 mm
WBD 41/41-45		135 mm	100 mm	11 mm	30,5 mm	135 mm	100 mm	14 mm		100,5 mm	6 mm
WBD 41/52		170 mm	120 mm	13 mm	41 mm	170 mm	120 mm	12 mm		137 mm	6 mm
WBD 41/62		170 mm	120 mm	13 mm	51 mm	170 mm	120 mm	12 mm		137 mm	6 mm
WBD 41-75/65		210 mm	170 mm	13 mm	53 mm	210 mm	170 mm	12 mm		139 mm	8 mm
WBD 41-75/75		210 mm	170 mm	13 mm	63 mm	210 mm	170 mm	12 mm		139 mm	8 mm
WBD 41/21 D		135 mm	100 mm	11 mm	31 mm	135 mm	100 mm	14 mm	14 mm	131 mm	6 mm
WBD 41/41-45 D		210 mm	170 mm	13 mm	72 mm	210 mm	170 mm	12 mm	14 mm	133 mm	8 mm
WBD 41/52 D		210 mm	170 mm	13 mm	94 mm	210 mm	170 mm	12 mm	27 mm	143 mm	8 mm
WBD 41/62 D		255 mm	205 mm	13 mm	114 mm	255 mm	205 mm	12 mm	27 mm	143 mm	8 mm
WBD 41-75/65 D	79 mm	255 mm	205 mm	13 mm	110 mm	255 mm	205 mm	12 mm	27 mm	143 mm	8 mm
WBD 41-75/75 D	79 mm	255 mm	205 mm	13 mm	130 mm	255 mm	205 mm	12 mm	27 mm	143 mm	8 mm

Certification

End Support WBD 41







Documents

Loads - End Support WBD 41-65/75 & 41-65/75 D

Loads - End Support WBD 41-75/75 & 41-75/75 D

Loads - End Support WBD 41/21-31 & 41/21 D

Loads - End Support WBD 41/41-45 & 41/41-45 D

Loads - End Support WBD 41/52 & 41/52 D

Loads - End Support WBD 41/62 & 41/62 D