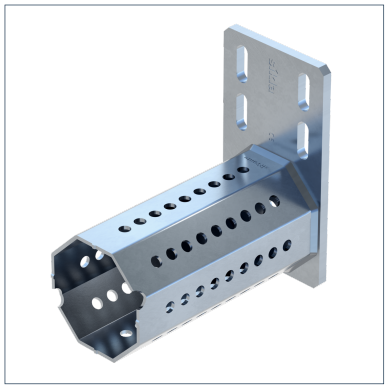
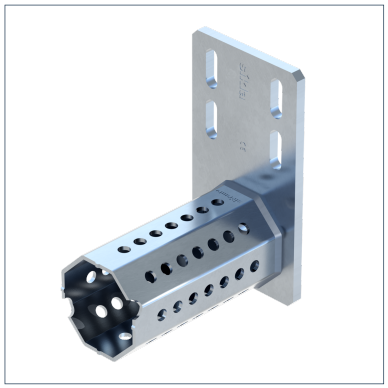
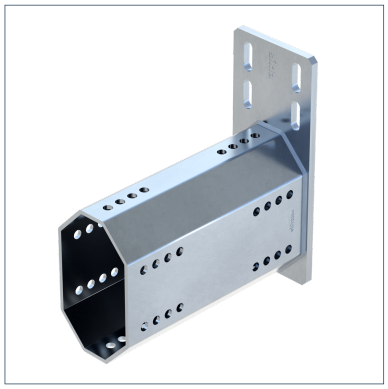
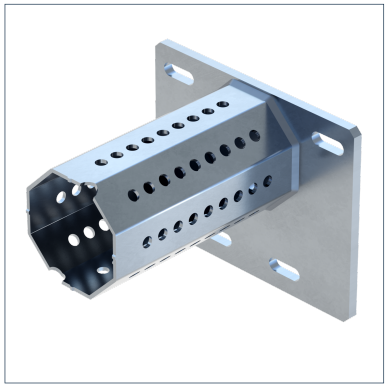
End Support STA-E F100 HCP









General Information

Plug-in component designed to create an endplate at the open end of a Beam Section TP F 100 or a Cantilever bracket AK F 100. Variation types F 100-80 (E) are designed to combine F 100 with F 80 beam sections. Octagonal insert allows full utilisation of beam section within the space required by the End Support STA itself.

Installation

Type STA F 100-E and 100-80-E:
Depending on the situation, different options are recommended:
a) With 2x4 Self Forming Screws FLS when used to connect 2 Beam Sections.
b) With 4 Self Forming Screws FLS applied to the octagonal insert and 2 suitable wall anchors/fixings when connected to the building structure.
The Beam Section TP F 100/100 connected to the End Support STA F 100 has to be screwed with 4 Self Forming Screws FLS F. On each of the opposite sides 2 Self Forming Screws FLS F are necessary. Alternatively with two suitable wall anchors through holes “A” when fixed directly to building structure.
Configuration: Base plate welded to Octagon F 100 or F 80

Type STA F 100-100/160-E:
For the connection to Beam Section TP F 100 or TP F 100/160 (flange side 100) 4 Self Forming Screws FLS F are necessary.
The Beam Section TP F 100/160 connected to the End Support STA F 100 - 100/160 has to be screwed with 8 Self Forming Screws FLS F. On each of the broader sides 4 Self Forming Screws FLS F are necessary.
Configuration: Base plate welded to Octagon F 100/160

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Surface finish	HCP
Corrosion protection class	C4

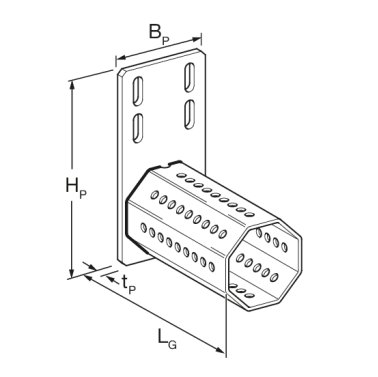
Forces

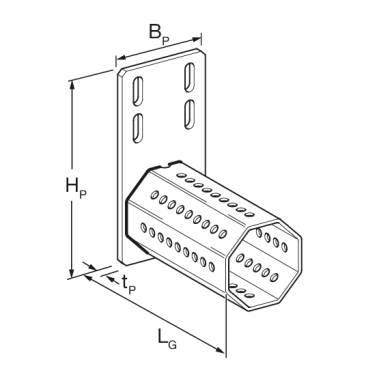
Type	-V{X,Rd}	V{X,Rd}	-V{Y,Rd}	V{Y,Rd}	V{Z,Rd}
STA-E F100 HCP	23.8 kN	23.8 kN	17.1 kN	17.1 kN	38.6 kN
STA-E F100-F100/160 HCP	22.5 kN	22.5 kN	18.8 kN	18.8 kN	39.8 kN

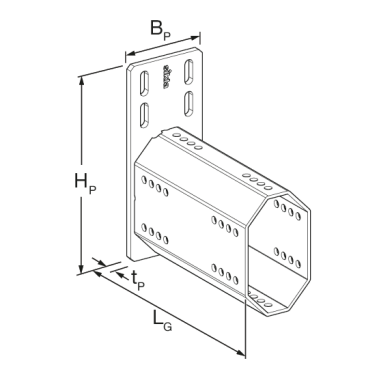
Moments

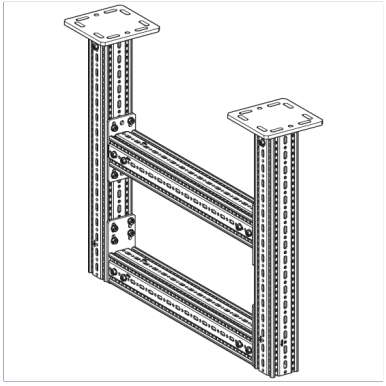
Type	-M{X,Rd}	M{X,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
STA-E F100 HCP	1.7 kNm	1.7 kNm	30 kNm	0.5 kNm	0.5 kNm
STA-E F100-F100/160 HCP			3.5 kNm	1.3 kNm	1.3 kNm

End Support STA-E F100 HCP









Note on loadings

The specified load values are design loads Rd and include a partial safety factor γM2 = 1.25 (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of γG = 1.35 (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

Additional information

Also available with DualShield for high corrosion protection within C5H environments.

Types

Type	Weight	Quantity	Part number
STA-E F100-F 80 HCP	1.800 kg/pcs.	1 pcs.	113481
STA-E F100 HCP	2.185 kg/pcs.	1 pcs.	113074
STA-E F100-F100/160 HCP	4.240 kg/pcs.	1 pcs.	114879
STA-E F100/160-F100 HCP	3.100 kg/pcs.	1 pcs.	116875

Dimensions

Type	BP	BP1	bP	HP	lzP	LG	tP
STA-E F100-F 80 HCP	100 mm	62 mm	11 mm	185 mm	20 mm	148 mm	8 mm
STA-E F100 HCP	100 mm	62 mm	11 mm	185 mm	20 mm	188 mm	8 mm
STA-E F100-F100/160 HCP	100 mm	62 mm	11 mm	245 mm	20 mm	239 mm	8 mm
STA-E F100/160-F100 HCP	200 mm	150 mm	11 mm	160 mm	20 mm	189 mm	8 mm

Certification

CE mark (Declaration of performance see downloads)
ETA-24/0471

Documents

siFramo - ETA-24/0471

End Support STA-E F100 HCP

