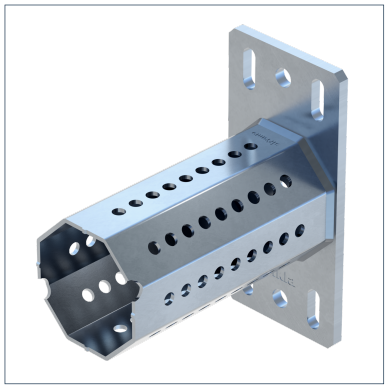
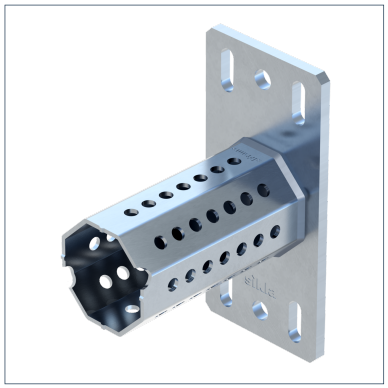
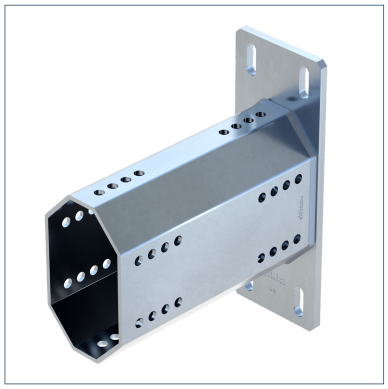
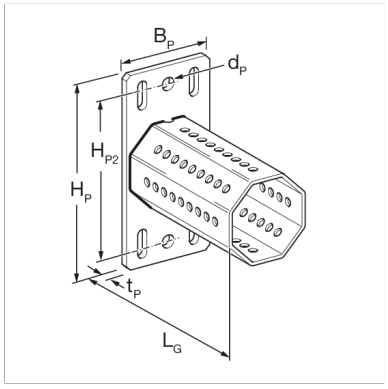
End Support STA F100 HCP









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 and 100-80:
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:
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

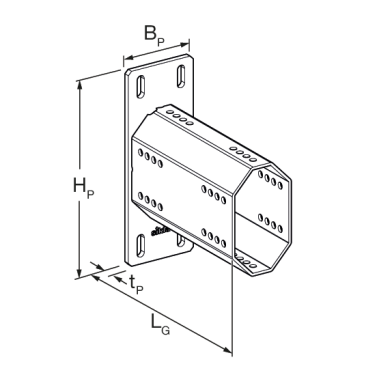
Forces

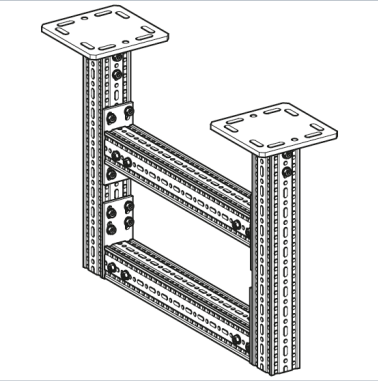
Type	-V{X,Rd}	V{X,Rd}	-V{Y,Rd}	V{Y,Rd}	-V{Z,Rd}	V{Z,Rd}
STA F100 HCP	33.9 kN	33.9 kN	27.2 kN	27.2 kN	23.6 kN	23.6 kN
STA F100-F100/160 HCP	44.5 kN	44.5 kN	54.8 kN	54.8 kN	42.1 kN	42.1 kN

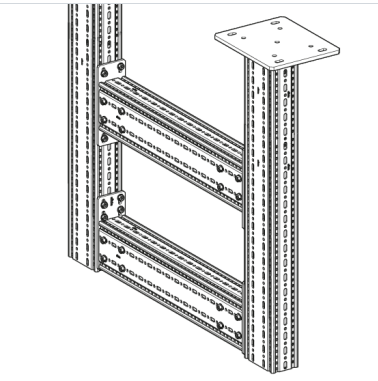
Moments

Type	-M{X,Rd}	M{X,Rd}	-M{Y,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
STA F100 HCP	3.6 kNm	3.6 kNm	2.6 kNm	2.6 kNm	1.5 kNm	1.5 kNm
STA F100-F100/160 HCP			3.5 kNm	3.5 kNm	2.1 kNm	2.1 kNm

End Support STA 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 F100-F 80 HCP	1.960 kg/pcs.	1 pcs.	113337
STA F100 HCP	2.430 kg/pcs.	1 pcs.	113073
STA F100-F100/160 HCP	4.390 kg/pcs.	1 pcs.	114878

Dimensions

Type	BP	dP	HP	HP2	LG	tP
STA F100-F 80 HCP	100 mm	14 mm	210 mm	170 mm	148 mm	8 mm
STA F100 HCP	100 mm	14 mm	210 mm	170 mm	188 mm	8 mm
STA F100-F100/160 HCP	100 mm		270 mm		239 mm	8 mm

Certification

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

Documents

siFramo - ETA-24/0471

Static Guideline - siFramo & siMotec