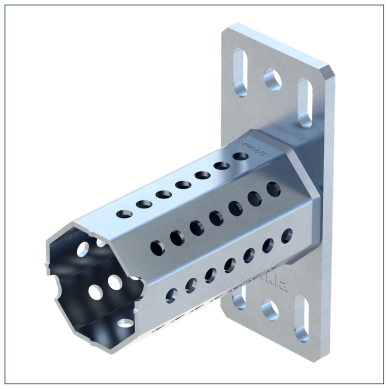
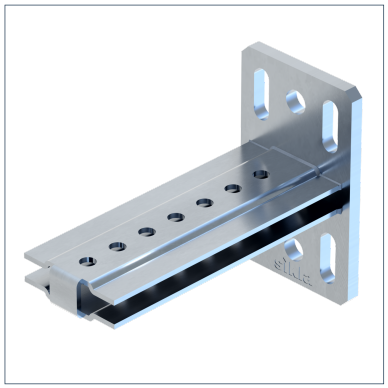
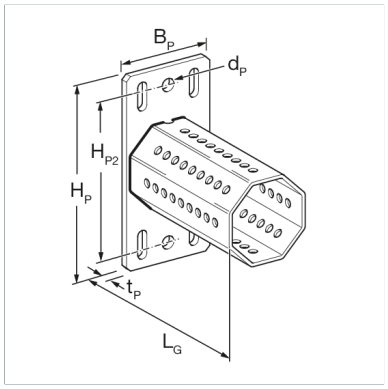
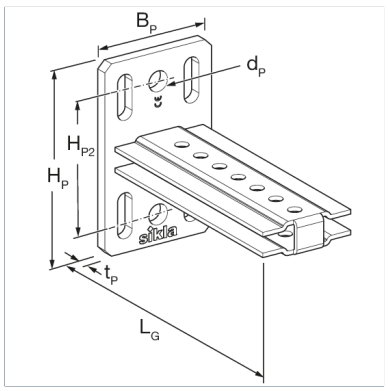
End Support STA F 80 HCP









General Information

Plug-in component designed to create an endplate at the open end of a Beam Section TP F80 or a Cantilever bracket AK F80. By means of the round holes in the base plate a direct connection to excisting cast-in channels is possible.

Installation

Type STA F 80:
Depending on the version, following mountings solutions are possible:
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 80/80 connected to the End Support STA F 80 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.
Configuration: Base plate welded to octagonal element F 80
Type STA F 80/30:
Depending on the version, following mountings solutions are possible:
a) With 2x4 Self Forming Screws FLS when used to connect 2 Beam Sections.
b) With 4 Self Forming Screws FLS applied to the insert and 2 suitable M12 wall anchors/ fixings when connected to the building structure.

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 F 80 HCP	27,7 kN	27,7 kN	14 kN	14 kN	25,2 kN	25,2 kN

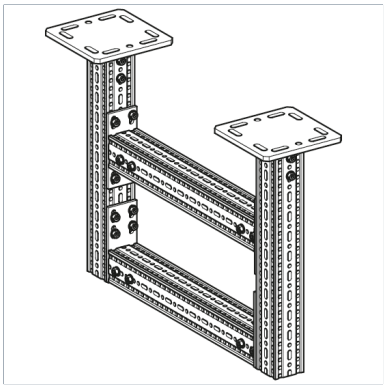
Moments

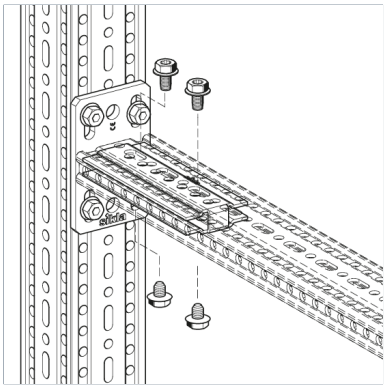
Type	-M{X,Rd}	M{X,Rd}	-M{Y,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
STA F 80 HCP	2,1 kNm	2,1 kNm	2,3 kNm	2,3 kNm	1,09 kNm	1,09 kNm

Note on loadings

The specified load values are design loads Rd and include a partial safety factor $\gamma M2 = 1.25$ (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of $\gamma G = 1.35$ (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

End Support STA F 80 HCP





Additional information

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

Types

Type	Weight	Quantity	Part number
STA F 80/30 HCP	1,080 kg/pcs.	1 pcs.	117160
STA F 80 HCP	1,600 kg/pcs.	1 pcs.	192856

Dimensions

Type	BP	dP	HP	HP2	LG	tP
STA F 80/30 HCP	80 mm	14 mm	130 mm	90 mm	178 mm	8 mm
STA F 80 HCP	80 mm	14 mm	190 mm	150 mm	148 mm	8 mm

Certification

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

Documents

siFramo - ETA-24/0471

Static Guideline - siFramo & siMotec