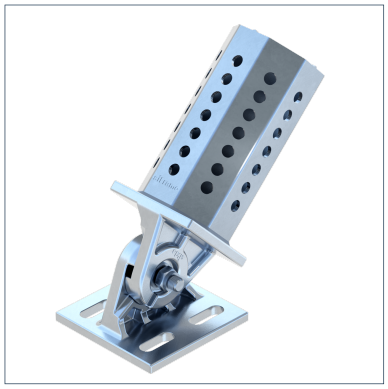
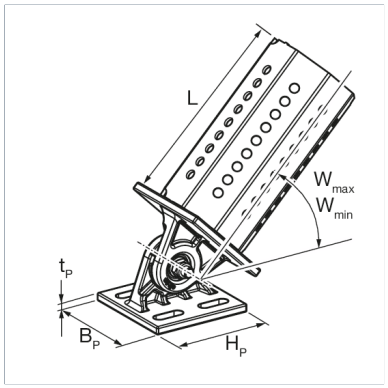
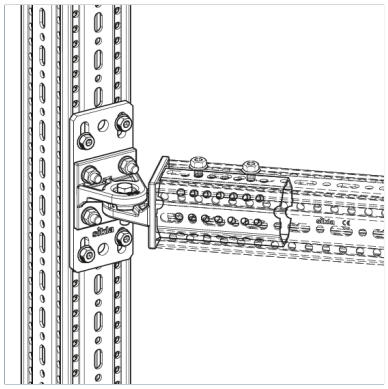
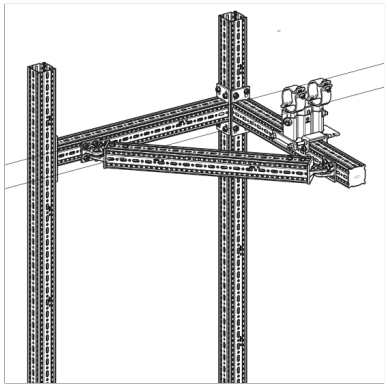
Pivot Joint GE F100 HCP









General Information

Applicable as bracing element of single-arm cantilevers in conjunction with System siFramo 100 and for the reinforcement of frame constructions. For type F 100 - F 80, a TP F 80 beam section is used for reinforcement. For type F 100 - F 100, a TP F 100 beam section is used. The angle a is continuously variable between 25° and 155°.

Installation

Attachment of the Joints to Beam Section TP F 100 by means of 4 Self Forming Screws FLS F at the base plate. The support profile TP F 80 or TP F 100 (depending on joint type) plugged onto the octagon is also attached by means of 4 Self Forming Screws, so 8 Self Forming Screws are necessary in total.
After installation at the desired angle the screws have to be tightened with 40 Nm.
Angle: 25° - 155°

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}
GE F100-F 80 HCP	16.5 kN	16.5 kN
GE F100-F100 HCP	16.5 kN	16.5 kN

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.

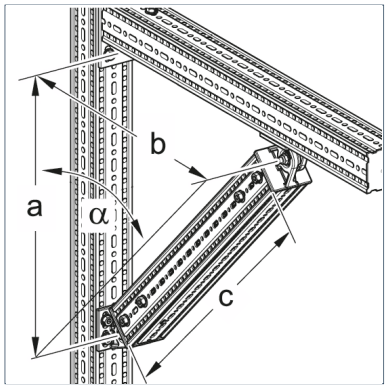
Additional information

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

Types

Type	Weight	Quantity	Part number
GE F100-F 80 HCP	2.280 kg/pcs.	1 pcs.	113838
GE F100-F100 HCP	3.000 kg/pcs.	1 pcs.	113837

Pivot Joint GE F100 HCP



Dimensions

Type	BP	HP	L	tP	Wmin	Wmax
GE F100-F 80 HCP	100 mm	100 mm	140 mm	8 mm	25°	155°
GE F100-F100 HCP	100 mm	100 mm	180 mm	8 mm	25°	155°

Certification