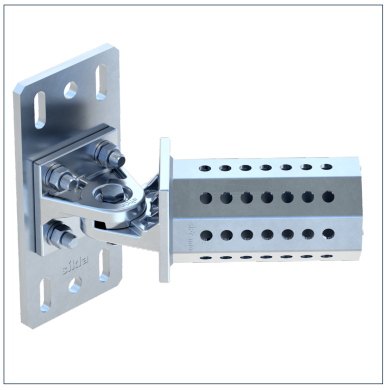
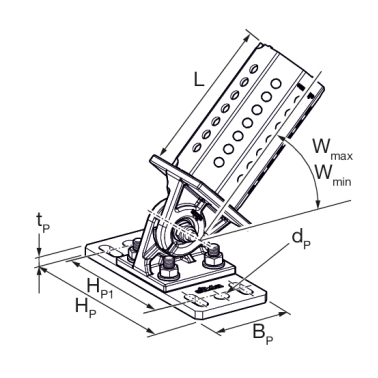
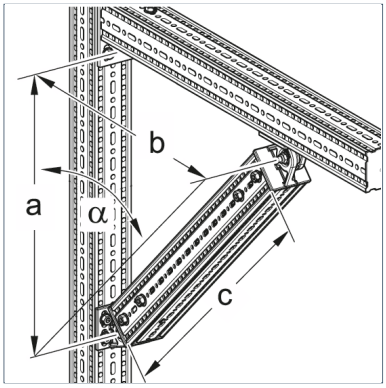
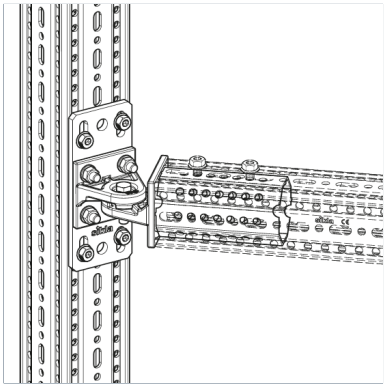
Pivot Joint GE F100 q HCP









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-Q F100-F 80 HCP	16,5 kN	16,5 kN
GE-Q 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-Q F100-F 80 HCP	3,400 kg/pcs.	1 pcs.	113032
GE-Q F100-F100 HCP	4,120 kg/pcs.	1 pcs.	113836

Pivot Joint GE F100 q HCP

Dimensions

Type	BP	dP	HP	HP1	L	tP	Wmin	Wmax
GE-Q F100-F 80 HCP	100 mm	14 mm	210 mm	160 mm	140 mm	8 mm	25°	155°
GE-Q F100-F100 HCP	100 mm	14 mm	210 mm	160 mm	180 mm	8 mm	25°	155°

Certification