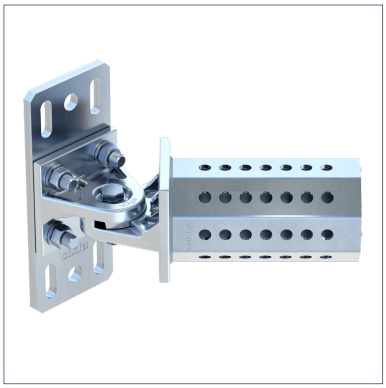
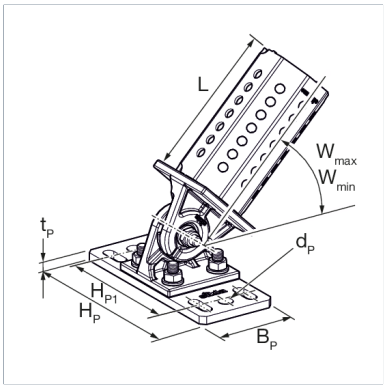
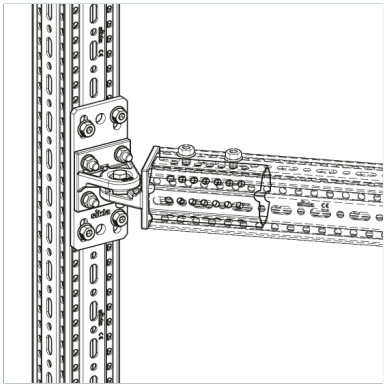
Pivot Joint GE F 80 - 80 q HCP







General Information

Applicable as bracing element of single-arm cantilevers in conjunction with System siFramo 80 and for the reinforcement of frame constructions. The angle a is continuously variable between 25° and 155°.

Installation

Attachment of Joint GE F 80 to Beam Section TP F 80 by means of 4 Self Forming Screws FLS F at the base plate. The support profile TP F 80 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 F 80-F 80 HCP	13.7 kN	13.7 kN

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.

Additional information

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

Types

Type	Weight	Quantity	Part number
GE-Q F 80-F 80 HCP	3.000 kg/pcs.	1 pcs.	113834

Dimensions

Type	BP	dP	HP	HP1	L	tP	Wmin	Wmax
GE-Q F 80-F 80 HCP	80 mm	14 mm	190 mm	140 mm	140 mm	8 mm	25°	155°

Certification