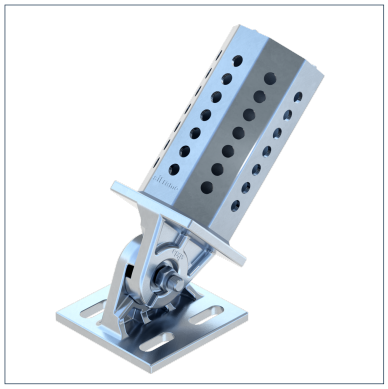
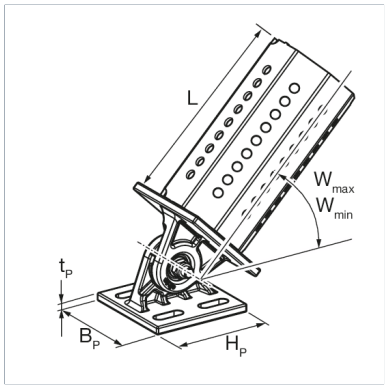
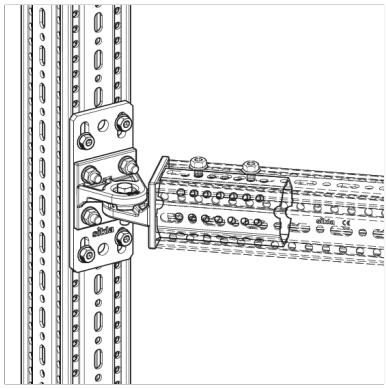
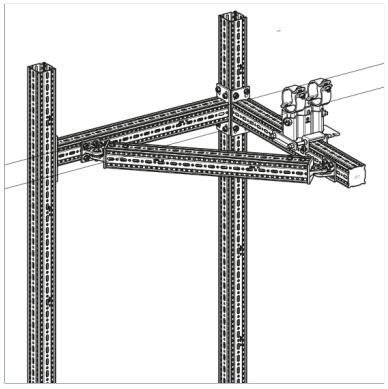
# Pivot Joint GE F100 HCP







## 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.

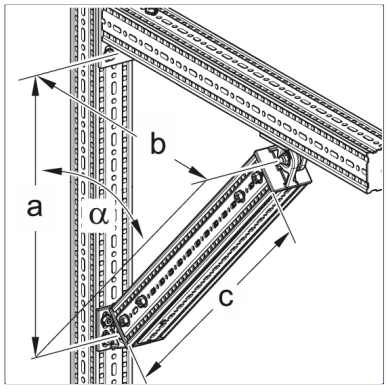
## Additional information

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