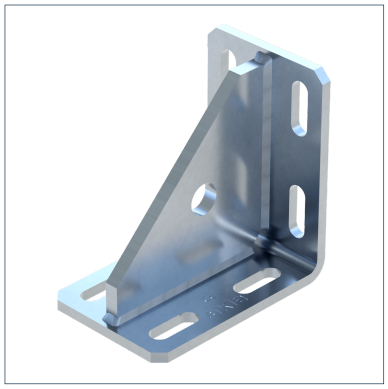
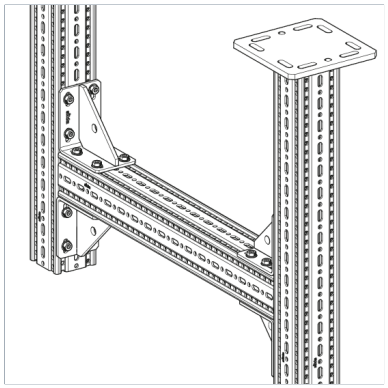
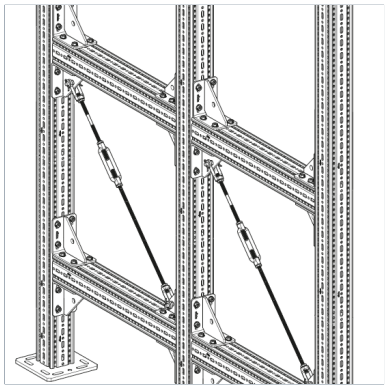
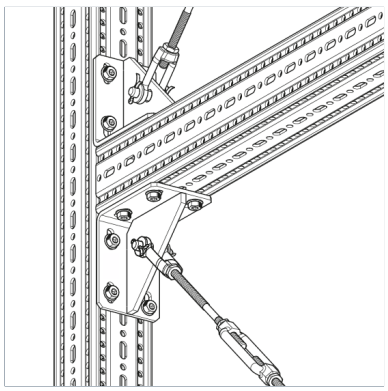
Corner Bracket WD F 80 HCP









General Information

Component to be used for connections between two F 80 sections when the structural design requires an alternative to the End Support STA F 80 as the default solution. Connections with the Corner Bracket WD F 80 allow flexible constructions and provide a high load capacity at the same time. The central hole allows for the integration of diagonal cross-bracing allowing more complex structures to be made.

Installation

To be used in pairs only. 8 pieces of Self Forming Screw FLS are necessary for one Corner Bracket.

Material Properties

Halogen-free	0
UV-resistant	0

Material

Primary element material	steel
Surface finish	HCP
Corrosion protection class	C4

Forces

Type	Max tensile load (in drilled hole)
WD F 80 HCP	45.30 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.

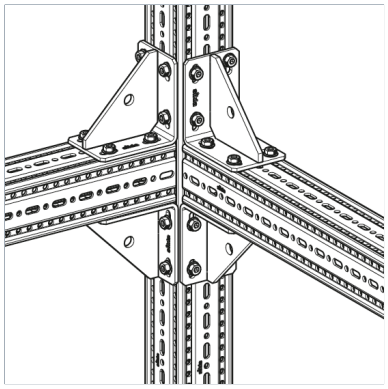
Types

Type	Weight	Quantity	Part number
WD F 80 HCP	1.300 kg/pcs.	1 pcs.	117153

Dimensions

Type	B	B1	d	H	h	L	t	t1
WD F 80 HCP	80 mm	50 mm	18 mm	120 mm	25 mm	120 mm	6 mm	8 mm

Corner Bracket WD F 80 HCP



Certification

CE mark (Declaration of performance see www.sikla.co.uk/service/downloads) - ETA-24/0471

Documents

siFramo - ETA-24/0471