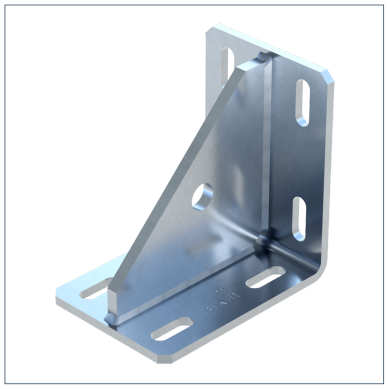
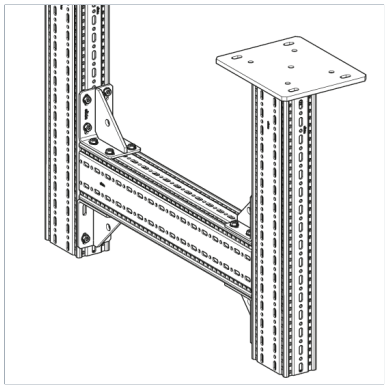
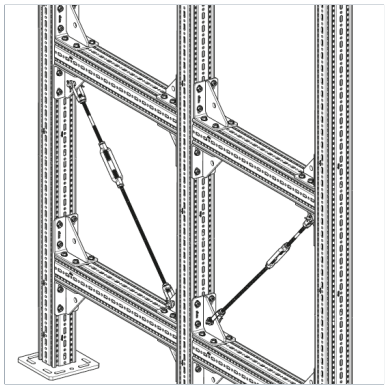
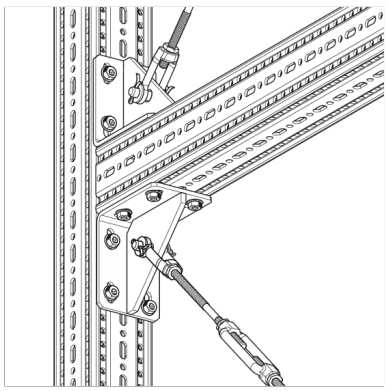
Corner Bracket WD F100 HCP









General Information

Component to be used for connections between two F100 or F100/160 sections when the structural design requires an alternative to the End Support STA F 100 as the default solution. Connections with the Corner Bracket WD F 100 allow flexible constrcutions and provide a high load capacity at the same time. Using the bracket hole (Ø 18mm) additional bracings can be installed and comprehensive solutions can be realized.

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	-V{X,Rd}	V{X,Rd}	-V{Y,Rd}	V{Y,Rd}	-V{Z,Rd}	V{Z,Rd}
WD F100 HCP	44,2 kN	44,2 kN	27 kN	27 kN	60,3 kN	60,3 kN

Moments

Type	-M{X,Rd}	M{X,Rd}	-M{Y,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
WD F100 HCP	6,6 kNm	6,6 kNm	8,1 kNm	8,1 kNm	3,9 kNm	3,9 kNm

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.

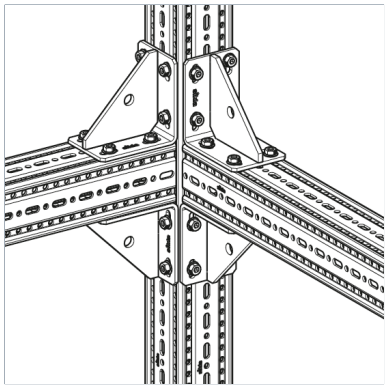
Additional information

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

Types

Type	Weight	Quantity	Part number
WD F100 HCP	1,956 kg/pcs.	1 pcs.	113095

Corner Bracket WD F100 HCP



Dimensions

Type	B	B1	d	H	h	L	t	t1
WD F100 HCP	100 mm	62 mm	18 mm	140 mm	25 mm	140 mm	6 mm	8 mm

Certification

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

Documents

siFramo - ETA-24/0471

Static Guideline - siFramo & siMotec