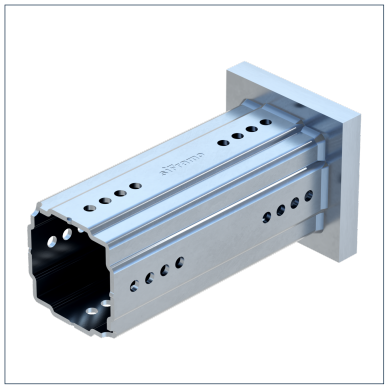
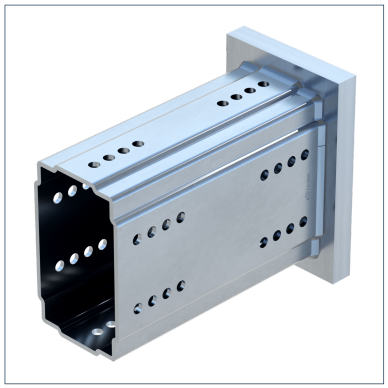
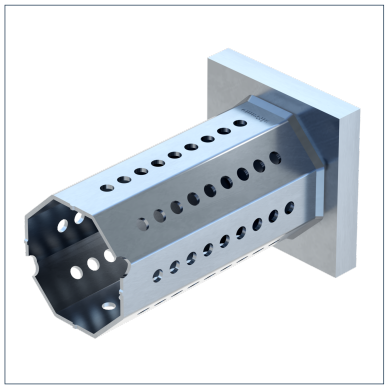
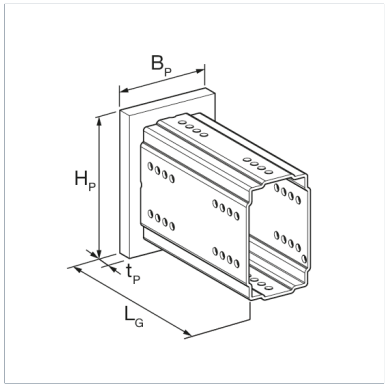
Welding Adapter ASA F100 HCP









General Information

Welding plate with square insert to receive siFramo section. May be implemented into the structural steel design in anticipation of siFramo-frames or used in situ as a connection element when clamping is not an option but hot works are permitted.

Installation

The welding plate of the ASA can be welded directly without previous treatment due to a corrosion-resistant weld-thru coating which is compatible with both the HDG surface of the siFramo section and the health and safety requirements of the welding process. Once the ASA adapter has been connected, the coating may also receive paint without previous treatment.

The siFramo section must be connected to the Welding Adapter ASA with 4 x Self Forming Screw FLS. 8 pieces of Self Forming Screws are to be used for the Beam Section TP F 100/160, whereas 4 Self Forming Screws have to be screwed together on the flat flanks' opposite sides.

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}
ASA-4KT F100 HCP	39,4 kN	39,4 kN	58,9 kN	58,9 kN	58,9 kN	58,9 kN
ASA-4KT F100/160 HCP	68,2 kN	68,2 kN	67,9 kN	67,9 kN	79,2 kN	79,2 kN
ASA-8KT F100 HCP	26,6 kN	26,6 kN	43,6 kN	43,6 kN	43,6 kN	43,6 kN

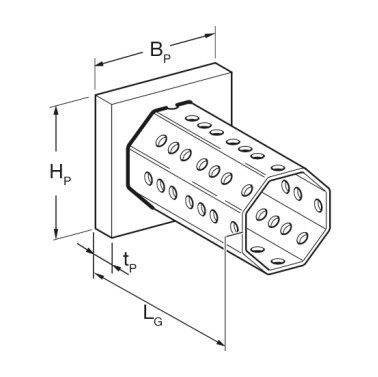
Moments

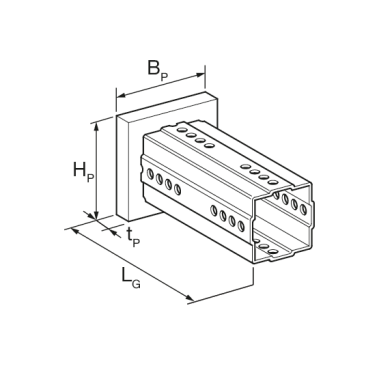
Type	-M{X,Rd}	M{X,Rd}	-M{Y,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
ASA-4KT F100 HCP	7,1 kNm	7,1 kNm	8,5 kNm	8,5 kNm	8,5 kNm	8,5 kNm
ASA-4KT F100/160 HCP	11,3 kNm	11,3 kNm	13,1 kNm	13,1 kNm	8,6 kNm	8,6 kNm
ASA-8KT F100 HCP	3,3 kNm	3,3 kNm	5,4 kNm	5,4 kNm	5,4 kNm	5,4 kNm

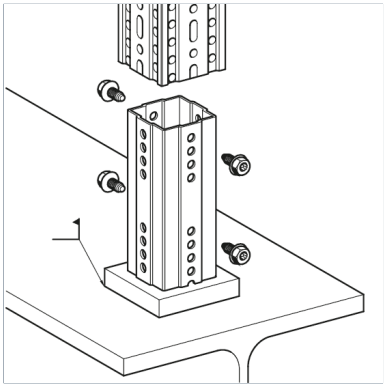
Note on loadings

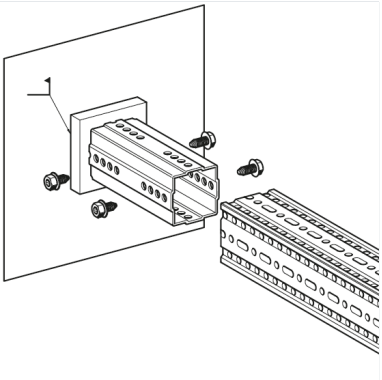
The specified load values are design loads Rd and include a partial safety factor $\gamma M2 = 1.25$ (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of $\gamma G = 1.35$ (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

Welding Adapter ASA F100 HCP









Additional information

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

Types

Type	LG	Weight	Quantity	Part number
ASA-4KT F100 HCP	241 mm	4,500 kg/pcs.	1 pcs.	113339
ASA-4KT F100/160 HCP	241 mm	6,320 kg/pcs.	1 pcs.	113410
ASA-8KT F100 HCP	201 mm	3,300 kg/pcs.	1 pcs.	113080

Dimensions

Type	BP	HP	LG	tP
ASA-4KT F100 HCP	120 mm	120 mm	241 mm	20 mm
ASA-4KT F100/160 HCP	120 mm	120 mm	241 mm	20 mm
ASA-8KT F100 HCP	120 mm	120 mm	201 mm	20 mm

Certification

Stahl

CE mark (Declaration of performance see downloads)

Welding Adapter ASA F100 HCP

