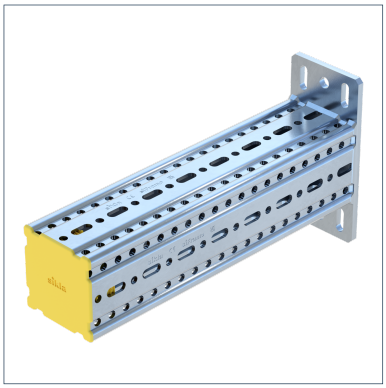
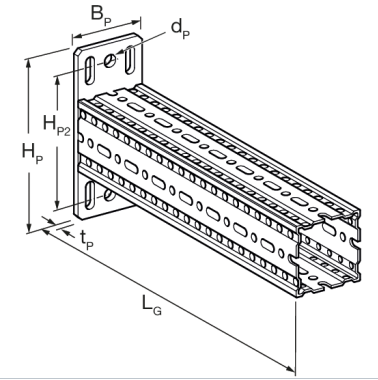
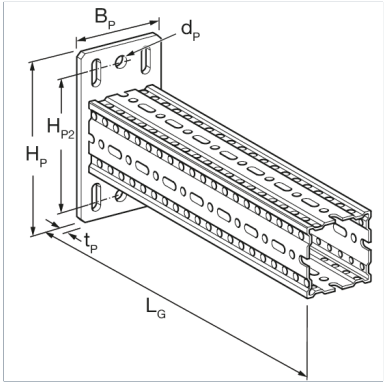
Cantilever Bracket AK F100 HCP









General Information

Galvanised hollow-box-section with welded end-plate to serve as cantilever arm. May be used as a crossbar when combined with End Support STA and 4 x Self Forming Screw FLS. By means of the round holes in the base plate a direct connection to excisting cast-in channels is possible. With the types F 100-80 and F 100-80-E a combination of Beam Section F 100 with F 80/80 is possible.

Installation

With 4 x Self Forming Screw FLS when fixed to another siFramo hollow-box-section. Alternatively with two suitable wall anchors through holes “A” when fixed directly to building structure.

Configuration AK F 100: Plate welded to Beam Section F 100
Configuration AK F 100-80: Plate welded to Beam Section F 80

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}
AK F100- 400 HCP	46,4 kN	46,4 kN	27,2 kN	27,2 kN	23,6 kN	23,6 kN
AK F100- 800 HCP	46,4 kN	46,4 kN	27,2 kN	27,2 kN	23,6 kN	23,6 kN
AK F100-1200 HCP	46,4 kN	46,4 kN	27,2 kN	27,2 kN	23,6 kN	23,6 kN

Moments

Type	-M{X,Rd}	M{X,Rd}	-M{Y,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
AK F100- 400 HCP	3,6 kNm	3,6 kNm	2,9 kNm	2,9 kNm	2,2 kNm	2,2 kNm
AK F100- 800 HCP	3,6 kNm	3,6 kNm	2,9 kNm	2,9 kNm	2,2 kNm	2,2 kNm
AK F100-1200 HCP	3,6 kNm	3,6 kNm	2,9 kNm	2,9 kNm	2,2 kNm	2,2 kNm

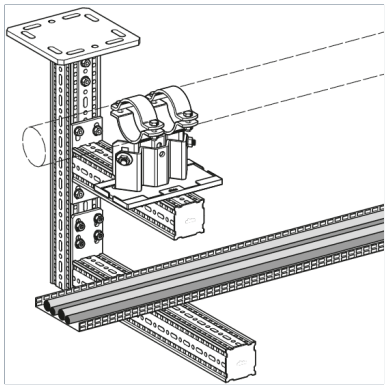
Note on loadings

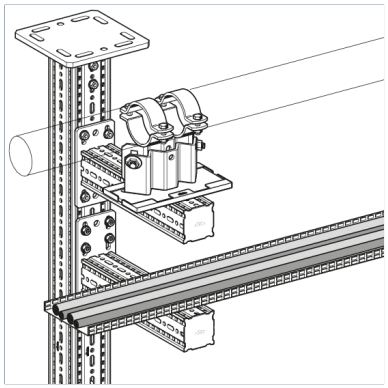
The specified load values are design loads Rd and include a partial safety factor $\gamma M2 = 1.25$ (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of $\gamma G = 1.35$ (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

Additional information

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

Cantilever Bracket AK F100 HCP





Types

Type	LG	Weight	Quantity	Part number
AK F100-F 80- 400 HCP	409 mm	3,720 kg/pcs.	1 pcs.	117143
AK F100-F 80- 800 HCP	809 mm	6,300 kg/pcs.	1 pcs.	117144
AK F100- 400 HCP	409 mm	5,664 kg/pcs.	1 pcs.	113068
AK F100- 800 HCP	809 mm	10,064 kg/pcs.	1 pcs.	113069
AK F100-1200 HCP	1.209 mm	14,680 kg/pcs.	1 pcs.	113419

Dimensions

Type	BP	dP	HP	HP2	LG	tP
AK F100-F 80- 400 HCP	100 mm	14 mm	190 mm	150 mm	409 mm	8 mm
AK F100-F 80- 800 HCP	100 mm	14 mm	190 mm	150 mm	809 mm	8 mm
AK F100- 400 HCP	100 mm	14 mm	210 mm	170 mm	409 mm	8 mm
AK F100- 800 HCP	100 mm	14 mm	210 mm	170 mm	809 mm	8 mm
AK F100-1200 HCP	100 mm	14 mm	210 mm	170 mm	1.209 mm	8 mm

Certification

Stahl

European Technical Assessment - Sikla siFramo for PRS
ETA-24/0471

CE mark (Declaration of performance see downloads)
ETA-24/0471

Documents

siFramo - ETA-24/0471

Static Guideline - siFramo & siMotec