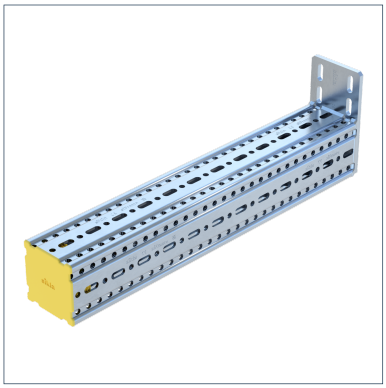
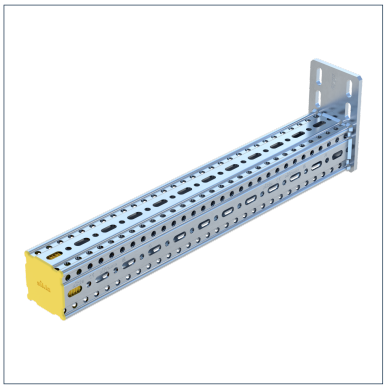
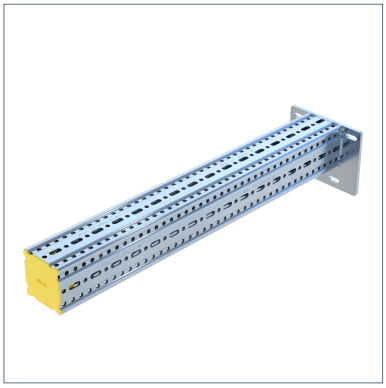
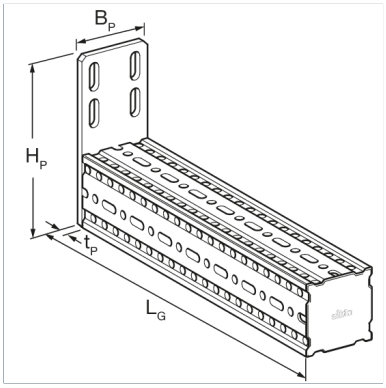
Cantilever Bracket AK F100-E HCP









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

AK-E F 100: 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.
AK-E F 160-100: With 4 x Self Forming Screw FLS when fixed to another siFramo 100/160 (flange side 160) hollow- box- section. Fixing to walls and ceilings with 4 suitable wall anchors M10.
Configuration AK-E F 100 and AK-E F 160-100: Plate welded to Beam Section F 100
Configuration AK-E 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}
AK-E F100- 600 HCP	23,8 kN	23,8 kN	17,1 kN	17,1 kN	38,5 kN

Moments

Type	-M{X,Rd}	M{X,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
AK-E F100- 600 HCP	1,7 kNm	1,7 kNm	3,7 kNm	1,1 kNm	1,1 kNm

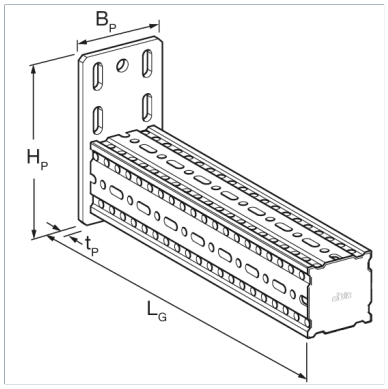
Note on loadings

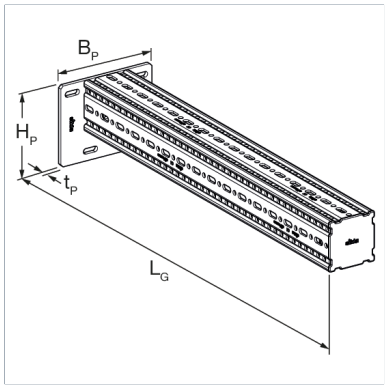
The specified load values are design loads Rd and include a partial safety factor $\gamma M2 = 1.25$ (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of $\gamma G = 1.35$ (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

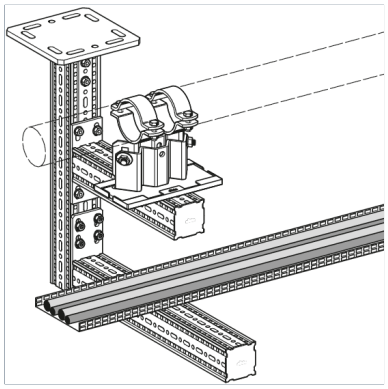
Additional information

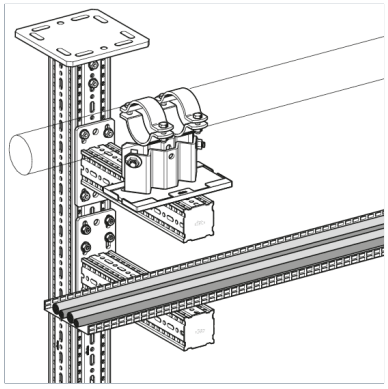
Also available with DualShield for high corrosion protection within C5H environments.

Cantilever Bracket AK F100-E HCP









Types

Type	LG	Weight	Quantity	Part number
AK-E F100-F 80- 600 HCP	609 mm	4,900 kg/pcs.	1 pcs.	117254
AK-E F100- 600 HCP	609 mm	7,840 kg/pcs.	1 pcs.	113070
AK-E F100/160-F100- 800 HCP	809 mm	10,890 kg/pcs.	1 pcs.	117145
AK-E F100/160-F100-1200 HCP	1.209 mm	15,090 kg/pcs.	1 pcs.	117146

Dimensions

Type	BP	HP	LG	tP
AK-E F100-F 80- 600 HCP	100 mm	170 mm	609 mm	8 mm
AK-E F100- 600 HCP	100 mm	185 mm	609 mm	8 mm
AK-E F100/160-F100- 800 HCP	200 mm	160 mm	809 mm	8 mm
AK-E F100/160-F100-1200 HCP	200 mm	160 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