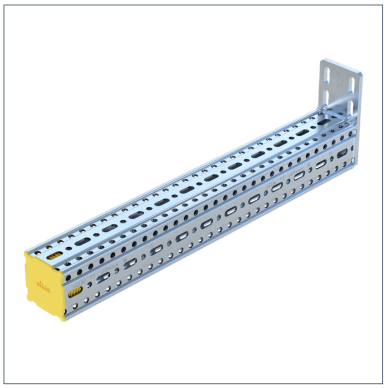
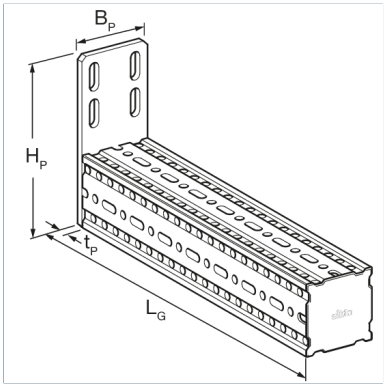
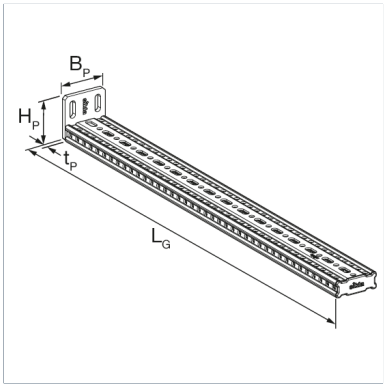
Cantilever Bracket AK F 80-E HCP









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.

Installation

AK-E F 80: 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 80/30: With 2 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-E F 80: Plate welded to Beam section F 80
Configuration AK-E F 80/30: Plate welded to Beam section F 80/30

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 F 80/30- 400 HCP	9 kN	9 kN	9.4 kN	9.4 kN	8.2 kN
AK-E F 80/30- 800 HCP	9 kN	9 kN	9.4 kN	9.4 kN	8.2 kN
AK-E F 80- 600 HCP	17 kN	17 kN	9.1 kN	9.1 kN	31.3 kN

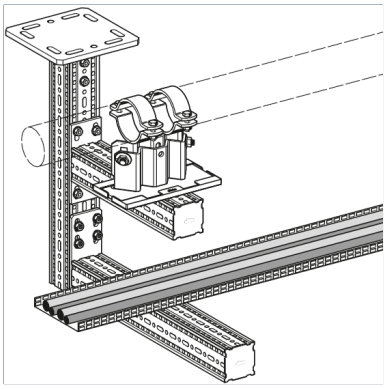
Moments

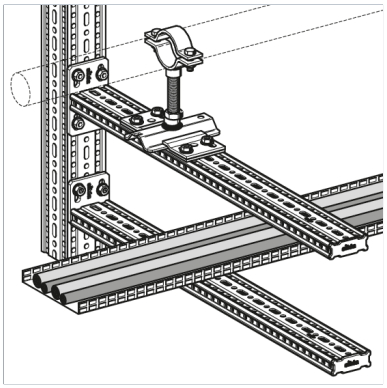
Type	-M{X,Rd}	M{X,Rd}	M{Y,Rd}	-M{Z,Rd}	M{Z,Rd}
AK-E F 80/30- 400 HCP	0.5 kNm	0.5 kNm	0.1 kNm	0.5 kNm	0.5 kNm
AK-E F 80/30- 800 HCP	0.5 kNm	0.5 kNm	0.1 kNm	0.5 kNm	0.5 kNm
AK-E F 80- 600 HCP	2.1 kNm	2.1 kNm	2.2 kNm	0.8 kNm	0.8 kNm

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.

Cantilever Bracket AK F 80-E HCP





Additional information

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

Types

Type	LG	Weight	Quantity	Part number
AK-E F 80/30- 400 HCP	409 mm	2.200 kg/pcs.	1 pcs.	113625
AK-E F 80/30- 800 HCP	809 mm	3.980 kg/pcs.	1 pcs.	113626
AK-E F 80- 600 HCP	609 mm	4.540 kg/pcs.	1 pcs.	110370

Dimensions

Type	BP	HP	LG	tP
AK-E F 80/30- 400 HCP	80 mm	80 mm	409 mm	8 mm
AK-E F 80/30- 800 HCP	80 mm	80 mm	809 mm	8 mm
AK-E F 80- 600 HCP	80 mm	165 mm	609 mm	8 mm

Certification

Stahl

ETA
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