# Cantilever Bracket AK F 80 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

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 80/30: Plate welded to Beam section F 80/30
Configuration AK F 80: Plate welded to Beam section F 80

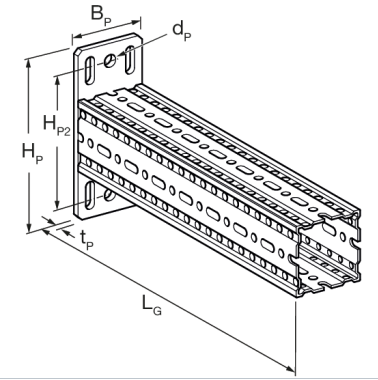


## Material Properties

| | |
|---|---|
| Halogen-free | 0 |
| UV-resistant | 0 |

## Material

| | |
|---|---|
| Primary element material | steel |
| Surface finish | HCP |
| Corrosion protection class | C4 |

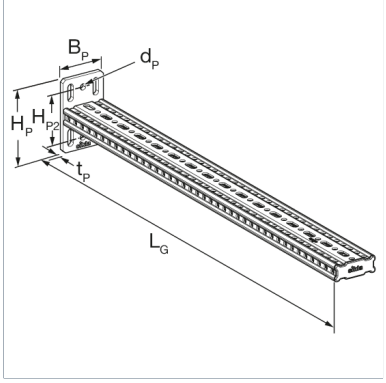



## Forces

| Type | -V{X,Rd} | V{X,Rd} | -V{Y,Rd} | V{Y,Rd} | -V{Z,Rd} | V{Z,Rd} |
|---|---|---|---|---|---|---|
| AK F 80- 400 HCP | 26.9 kN | 26.9 kN | 14 kN | 14 kN | 25.2 kN | 25.2 kN |
| AK F 80- 800 HCP | 26.9 kN | 26.9 kN | 14 kN | 14 kN | 25.2 kN | 25.2 kN |

## Moments

| Type | -M{X,Rd} | M{X,Rd} | -M{Y,Rd} | M{Y,Rd} | -M{Z,Rd} | M{Z,Rd} |
|---|---|---|---|---|---|---|
| AK F 80- 400 HCP | 2.1 kNm | 2.1 kNm | 2.4 kNm | 2.4 kNm | 1.1 kNm | 1.1 kNm |
| AK F 80- 800 HCP | 2.1 kNm | 2.1 kNm | 2.4 kNm | 2.4 kNm | 1.1 kNm | 1.1 kNm |



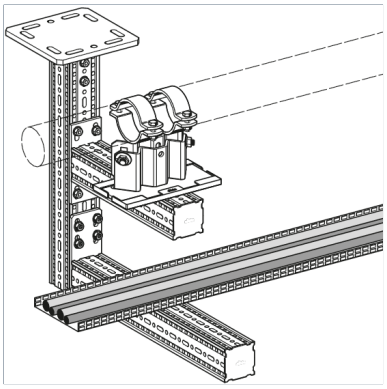

## Note on loadings

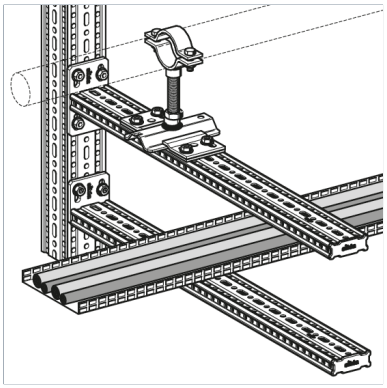
The specified load values are design loads Rd and include a partial safety factor γM2 = 1.25 (DIN EN 1993-1-8:2025-04, Table 4.1)
A partial safety factor of γG = 1.35 (DIN EN 1990:2021-10, Table A1.2(B)) must be taken into account for permanent loads.

## Additional information

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

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## Types

| Type | LG | Weight | Quantity | Part number |
|---|---|---|---|---|
| AK F 80- 400 HCP | 409 mm | 3.400 kg/pcs. | 1 pcs. | 192764 |
| AK F 80- 800 HCP | 809 mm | 5.800 kg/pcs. | 1 pcs. | 192771 |

## Dimensions

| Type | BP | dP | HP | HP2 | LG | tP |
|---|---|---|---|---|---|---|
| AK F 80- 400 HCP | 80 mm | 14 mm | 190 mm | 150 mm | 409 mm | 8 mm |
| AK F 80- 800 HCP | 80 mm | 14 mm | 190 mm | 150 mm | 809 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