EN

DECLARATION OF PERFORMANCE

No Sikla 0410-A

REGULATION (EU) No 305/2011

Unique identification code of the product-type	Cantilever Bracket AK 46-P
Type number	see "Annex"
Intended use	Structural steel work ≤ EXC 2
Manufacturer	Sikla Holding GmbH, Ägydiplatz 3 4600 Thalheim bei Wels | Austria
System of AVCP	System 2+
Harmonised standard	EN 1090-1:2009+A1:2011
Notified body	TÜV Rheinland Industrie Service GmbH | NB 0035

Performance property	**Declared performance**
Tolerances on dimensions and shape	EN 1090-2:2018+A1:2024
Weldability	Not designed for
Fracture toughness / Impact strength	NPD
Load-bearing Capacity	see "Annex"
Deformation in serviceability limit state	NPD
Fatigue strength	NPD
Resistance to Fire	NPD
Reaction to fire	A1 (Stahl) EN 13501-1
Release of Cadmium and its compounds	NPD
Emmision of Radioactivity	NPD
Durability	NPD

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with REGULATION (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Villingen-Schwenningen, 21.10.2026

Peter Menz | Head of R&D

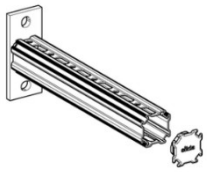
Disclaimer:
The original of this declaration of performance was written in German.
In the event of deviations in the translation, the German version shall be valid.

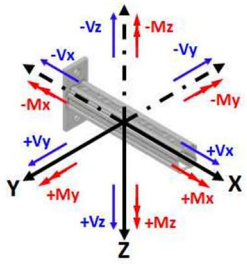
Annex

Annex – Sikla Conformed Items

Artikel Nummer *Item Number*	Bezeichnung *Description*
802209	AK 46-P - 200 HCP
802210	AK 46-P - 400 HCP
802211	AK 46-P - 600 HCP
802212	AK 46-P - 800 HCP
802213	AK 46-P -1000 HCP

Disclaimer:
The original of this declaration of performance was written in German.
In the event of deviations in the translation, the German version shall be valid.

	Product:	Cantilever Bracket AK 46-P
	Description	Connection to the structure using Bolt Anchor AN BZ plus or heavy-duty anchors. Alternatively, fastening to steel beams using Joining Plate AP 46 80/120 (part no. 802158). When used in conjunction with sliding elements, a cross brace (in combination with Tie Rod STR and Blockset PBS 46 M10 x 50) is recommended to resist forces in the axial direction of the pipe. For cantilever lengths >= 500 mm, a vertical brace or support is recommended.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	30,50
$\pm C_{Vx,Rd}$ [kN/mm]	9,62
$\pm C_{Vx,Geb.}$ [kN/mm]	10,16
$\pm V_{y,Rd}$ [kN]	14,90
$\pm C_{Vy,Rd}$ [kN/mm]	5,95
$\pm C_{Vy,Geb.}$ [kN/mm]	6,49
$\pm V_{z,Rd}$ [kN]	13,64
$\pm C_{Vz,Rd}$ [kN/mm]	13,75
$\pm C_{Vz,Geb.}$ [kN/mm]	17,27
$\pm M_{y,Rd}$ [kNm]	0,80
$\pm C_{My,Rd}$ [kNm/rad]	57,19
$\pm C_{My,Geb.}$ [kNm/rad]	62,08
$\pm M_{z,Rd}$ [kNm]	0,78
$\pm C_{Mz,Rd}$ [kNm/rad]	24,55
$\pm C_{Mz,Geb.}$ [kNm/rad]	27,23

Disclaimer:
The original of this declaration of performance was written in German.
In the event of deviations in the translation, the German version shall be valid.