EN

DECLARATION OF PERFORMANCE

No Sikla 0490-A

REGULATION (EU) No 305/2011

Unique identification code of the product-type	Channel Adapter SA PRO
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

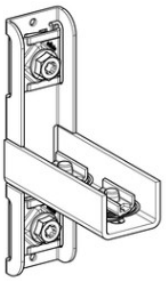
Disclaimer:
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In the event of deviations in the translation, the German version shall be valid.

Annex

Annex – Sikla Conformed Items

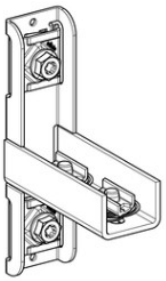
Artikel Nummer *Item Number*	Bezeichnung *Description*
803541	SA PRO 46-27
803542	SA PRO 46-41

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	Product:	Channel Adapter SA PRO 46 - 27
	Description	For integrating lighter constructions within the siMetrix system. Enables the profile transition from the siMetrix Profile PRO 46 to the Pressix CC 27 channel systems.
Boundary Conditions:		

$\pm V_{x,Rd}$ [kN]	1,46
$\pm C_{Vx,Rd}$ [kN/mm]	0,44
$\pm C_{Vx,Geb.}$ [kN/mm]	0,96
$\pm V_{y,Rd}$ [kN]	3,92
$\pm C_{Vy,Rd}$ [kN/mm]	0,27
$\pm C_{Vy,Geb.}$ [kN/mm]	0,28
$\pm V_{z,Rd}$ [kN]	1,12
$\pm C_{Vz,Rd}$ [kN/mm]	5,94
$\pm C_{Vz,Geb.}$ [kN/mm]	7,34
$+M_{y,Rd}$ [kNm]	0,08
$+C_{My,Rd}$ [kNm/rad]	2,60
$+C_{My,Geb.}$ [kNm/rad]	3,21
$-M_{y,Rd}$ [kNm]	0,20
$-C_{My,Rd}$ [kNm/rad]	3,45
$-C_{My,Geb.}$ [kNm/rad]	4,64
$\pm M_{z,Rd}$ [kNm]	0,06
$\pm C_{Mz,Rd}$ [kNm/rad]	0,79
$\pm C_{Mz,Geb.}$ [kNm/rad]	1,23

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	Product:	Channel Adapter SA PRO 46 - 41
	Description	For integrating lighter constructions within the siMetrix system. Enables the profile transition from the siMetrix Profile PRO 46 to the Pressix CC 41 channel systems.
Boundary Conditions:		

$\pm V_{x,Rd}$ [kN]	3,90
$\pm C_{Vx,Rd}$ [kN/mm]	4,03
$\pm C_{Vx,Geb.}$ [kN/mm]	4,28
$\pm V_{y,Rd}$ [kN]	1,55
$\pm C_{Vy,Rd}$ [kN/mm]	0,06
$\pm C_{Vy,Geb.}$ [kN/mm]	0,09
$\pm V_{z,Rd}$ [kN]	1,12
$\pm C_{Vz,Rd}$ [kN/mm]	5,94
$\pm C_{Vz,Geb.}$ [kN/mm]	7,34
$M_{y,Rd}$ [kNm]	0,45
$C_{My,Rd}$ [kNm/rad]	17,52
$C_{My,Geb.}$ [kNm/rad]	19,38
$-M_{y,Rd}$ [kNm]	0,60
$-C_{My,Rd}$ [kNm/rad]	17,51
$-C_{My,Geb.}$ [kNm/rad]	22,42
$\pm M_{z,Rd}$ [kNm]	0,22
$\pm C_{Mz,Rd}$ [kNm/rad]	1,40
$\pm C_{Mz,Geb.}$ [kNm/rad]	2,12

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