EN

DECLARATION OF PERFORMANCE

No Sikla 0460-A

REGULATION (EU) No 305/2011

Unique identification code of the product-type	Profile Holder MPH
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

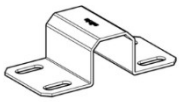
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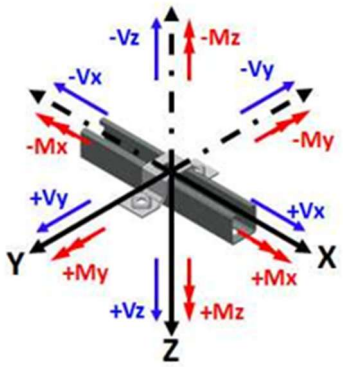
Annex

Annex – Sikla Conformed Items

Artikel Nummer *Item Number*	Bezeichnung *Description*
802546	MPH F 80 - 46 HCP
802547	MPH F100 - 46 HCP
805343	MPH 46 W HCP
807302	MPH PRO 46 - 46 HCP
803866	MPH PRO 46 - 41 HCP
803867	MPH MS 41 - 46 HCP

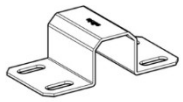
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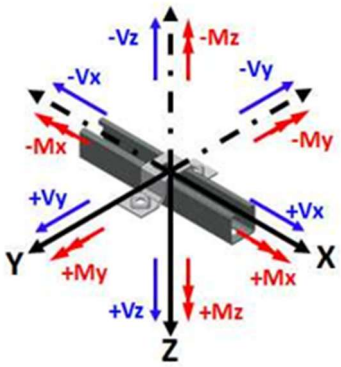
	Product:	Profile Holder MPH PRO 46 - 41
	Description	Implementation of a cross-connection between the siMetrix PRO 46 profile and the Sikla Channel with a rail width of 41 mm.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,37
$\pm C_{Vx,Rd}$ [kN/mm]	3,75
$\pm C_{Vx,Geb.}$ [kN/mm]	5,68
$\pm V_{y,Rd}$ [kN]	1,05
$\pm C_{Vy,Rd}$ [kN/mm]	2,82
$\pm C_{Vy,Geb.}$ [kN/mm]	2,99
$\pm V_{z,Rd}$ [kN]	7,73
$\pm C_{Vz,Rd}$ [kN/mm]	3,15
$\pm C_{Vz,Geb.}$ [kN/mm]	3,94
$+M_{y,Rd}$ [kNm]	0,09
$+C_{My,Rd}$ [kNm/rad]	3,07
$+C_{My,Geb.}$ [kNm/rad]	6,17
$-M_{y,Rd}$ [kNm]	0,09
$-C_{My,Rd}$ [kNm/rad]	1,89
$-C_{My,Geb.}$ [kNm/rad]	3,92
$\pm M_{z,Rd}$ [kNm]	0,29
$\pm C_{Mz,Rd}$ [kNm/rad]	1,55
$\pm C_{Mz,Geb.}$ [kNm/rad]	2,29

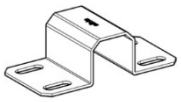
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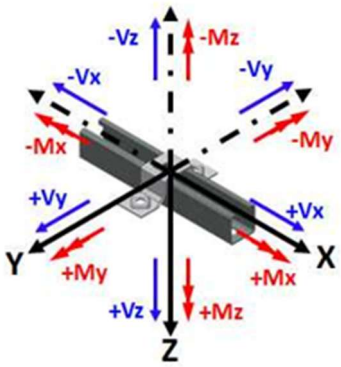
	Product:	Profile Holder MPH PRO 46 W
	Description	Element for direct structural connection of the siMetrix PRO 46 profile.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,37
$\pm C_{Vx,Rd}$ [kN/mm]	3,75
$\pm C_{Vx,Geb.}$ [kN/mm]	5,68
$\pm V_{y,Rd}$ [kN]	1,05
$\pm C_{Vy,Rd}$ [kN/mm]	2,82
$\pm C_{Vy,Geb.}$ [kN/mm]	2,99
$\pm V_{z,Rd}$ [kN]	7,73
$\pm C_{Vz,Rd}$ [kN/mm]	3,15
$\pm C_{Vz,Geb.}$ [kN/mm]	3,94
$+M_{y,Rd}$ [kNm]	0,09
$+C_{My,Rd}$ [kNm/rad]	3,07
$+C_{My,Geb.}$ [kNm/rad]	6,17
$-M_{y,Rd}$ [kNm]	0,09
$-C_{My,Rd}$ [kNm/rad]	1,89
$-C_{My,Geb.}$ [kNm/rad]	3,92
$\pm M_{z,Rd}$ [kNm]	0,29
$\pm C_{Mz,Rd}$ [kNm/rad]	1,55
$\pm C_{Mz,Geb.}$ [kNm/rad]	2,29

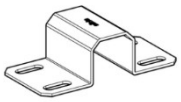
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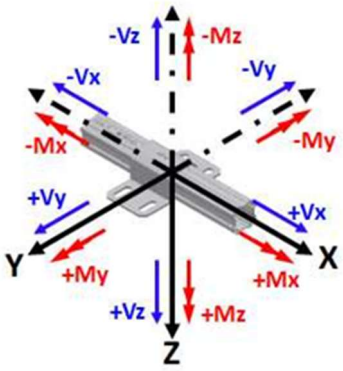
	Product:	Profile Holder MPH PRO 46 - 46
	Description	Implementation of a cross-connection between the siMetrix PRO 46 profile and another siMetrix PRO 46 profile.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,37
$\pm C_{Vx,Rd}$ [kN/mm]	3,75
$\pm C_{Vx,Geb.}$ [kN/mm]	5,68
$\pm V_{y,Rd}$ [kN]	1,05
$\pm C_{Vy,Rd}$ [kN/mm]	2,82
$\pm C_{Vy,Geb.}$ [kN/mm]	2,99
$\pm V_{z,Rd}$ [kN]	7,73
$\pm C_{Vz,Rd}$ [kN/mm]	3,15
$\pm C_{Vz,Geb.}$ [kN/mm]	3,94
$+M_{y,Rd}$ [kNm]	0,09
$+C_{My,Rd}$ [kNm/rad]	3,07
$+C_{My,Geb.}$ [kNm/rad]	6,17
$-M_{y,Rd}$ [kNm]	0,09
$-C_{My,Rd}$ [kNm/rad]	1,89
$-C_{My,Geb.}$ [kNm/rad]	3,92
$\pm M_{z,Rd}$ [kNm]	0,29
$\pm C_{Mz,Rd}$ [kNm/rad]	1,55
$\pm C_{Mz,Geb.}$ [kNm/rad]	2,29

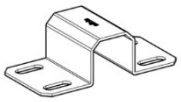
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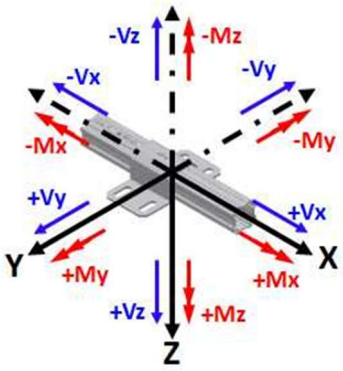
	Product:	Profile Holder MPH F 80- 46
	Description	Implementation of a cross-connection between the siFramo TP F 80 and the siMetrix PRO 46 profile.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,32
$\pm C_{Vx,Rd}$ [kN/mm]	3,50
$\pm C_{Vx,Geb.}$ [kN/mm]	3,02
$\pm V_{y,Rd}$ [kN]	20,83
$\pm C_{Vy,Rd}$ [kN/mm]	1,45
$\pm C_{Vy,Geb.}$ [kN/mm]	1,81
$\pm V_{z,Rd}$ [kN]	27,61
$\pm C_{Vz,Rd}$ [kN/mm]	1,41
$\pm C_{Vz,Geb.}$ [kN/mm]	1,54
$\pm M_{y,Rd}$ [kNm]	0,60
$\pm C_{My,Rd}$ [kNm/rad]	3,42
$\pm C_{My,Geb.}$ [kNm/rad]	4,59
$\pm M_{z,Rd}$ [kNm]	0,55
$\pm C_{Mz,Rd}$ [kNm/rad]	13,60
$\pm C_{Mz,Geb.}$ [kNm/rad]	14,81

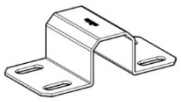
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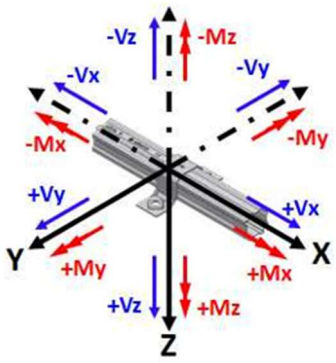
	Product:	Profile Holder MPH F 100- 46
	Description	Implementation of a cross-connection between the siFramo TP F 100 and the siMetrix PRO 46 profile.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,36
$\pm C_{Vx,Rd}$ [kN/mm]	3,64
$\pm C_{Vx,Geb.}$ [kN/mm]	3,2
$\pm V_{y,Rd}$ [kN]	27,77
$\pm C_{Vy,Rd}$ [kN/mm]	1,13
$\pm C_{Vy,Geb.}$ [kN/mm]	1,73
$\pm V_{z,Rd}$ [kN]	29,21
$\pm C_{Vz,Rd}$ [kN/mm]	2,02
$\pm C_{Vz,Geb.}$ [kN/mm]	2,52
$\pm M_{y,Rd}$ [kNm]	0,99
$\pm C_{My,Rd}$ [kNm/rad]	7,58
$\pm C_{My,Geb.}$ [kNm/rad]	11,24
$\pm M_{z,Rd}$ [kNm]	0,92
$\pm C_{Mz,Rd}$ [kNm/rad]	14,40
$\pm C_{Mz,Geb.}$ [kNm/rad]	20,03

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	Product:	Profile Holder MPH MS 41- 46
	Description	Implementation of a cross-connection between the Sikla Channel with a rail width of 41 mm and the siMetrix PRO 46 profile.
Boundary Conditions:		



$\pm V_{x,Rd}$ [kN]	0,36
$\pm C_{Vx,Rd}$ [kN/mm]	3,64
$\pm C_{Vx,Geb.}$ [kN/mm]	3,2
$\pm V_{y,Rd}$ [kN]	27,77
$\pm C_{Vy,Rd}$ [kN/mm]	1,13
$\pm C_{Vy,Geb.}$ [kN/mm]	1,73
$\pm V_{z,Rd}$ [kN]	29,21
$\pm C_{Vz,Rd}$ [kN/mm]	2,02
$\pm C_{Vz,Geb.}$ [kN/mm]	2,52
$\pm M_{y,Rd}$ [kNm]	0,99
$\pm C_{My,Rd}$ [kNm/rad]	7,58
$\pm C_{My,Geb.}$ [kNm/rad]	11,24
$\pm M_{z,Rd}$ [kNm]	0,92
$\pm C_{Mz,Rd}$ [kNm/rad]	14,40
$\pm C_{Mz,Geb.}$ [kNm/rad]	20,03

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