



DECLARATION OF PERFORMANCE

No-Sikla 0110-B
REGULATION (EU) No 305/2011

EN

Unique identification code of the product-type	WD F Corner Bracket
Type number	see "Anhang-Sikla EN1090-1 Conformed Items"
Intended use	Structural steel work ≤ EXC 2
Manufacturer	Sikla GmbH, In der Lache 17 78056 Villingen-Schwenningen Deutschland
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
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Tolerances on dimensions and shape	EN 1090-2: 2018
Weldability	Not designed for
Fracture toughness / Impact strength	EN 10149-1: 2013-12 \ 40J (-20°C)
Load-bearing Capacity	see "Anhang"
Deformation in serviceability limit state	NPD
Fatigue strength	NPD
Resistance to Fire	NPD
Reaction to fire	A1 (Steel) EN 13501-1
Release of Cadmium and its compounds	NPD
Emmision of Radioactivity	NPD
Durability	Hot dip galvanized EN ISO 1461:2009-10

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, 06.12.2022

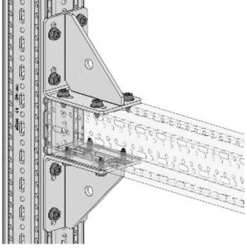


Günter Brügger | Head of IPRM



Achim Münch | Head of QM

Anhang:

	Anschluss:	2 x Winkel WD F 100 140/140	
	Bauteil I	Trägerprofil TP F 100	
	Bauteil II	Trägerprofil TP F 100	
	Beschreibung	Verbindung mit 16 Formlockschrauben, symmetrische Befestigung	
Randbedingungen:			
$N_{x,Rd}$	44,2 kN		
$C_{Nx,Rd}$	17,22 kN/mm		
$C_{Nx,Geb}$	25,43 kN/mm		
$C_{Nx,ini}$	30,45 kN/mm		
$M_{y,Rd}$	8,15 kNm		
$C_{My,Rd}$	332 kNm/rad		
$C_{My,Geb}$	488 kNm/rad		
$C_{My,ini}$	936 kNm/rad		
$M_{z,Rd}$	3,96 kNm		
$C_{Mz,Rd}$	83 kNm/rad		
$C_{Mz,Geb}$	117 kNm/rad		
$C_{Mz,ini}$	211 kNm/rad		
$V_{z,Rd}$	60,39 kN	für $M_{Ed} \leq 3,74$ kNm	
	10,87 kN	für $M_{Ed} \leq 8,15$ kNm	
	$-11,23 \cdot M_{Ed}$ [kNm] + 102,4	für $3,74$ kNm < M_{Ed} < $8,15$ kNm	
$V_{y,Rd}$	27,09 kN	für $M_{Ed} \leq 1,68$ kNm	
	5,28 kN	für $M_{Ed} \leq 3,96$ kNm	
	$-9,57 \cdot M_{Ed}$ [kNm] + 43,16	für $1,68$ kNm < M_{Ed} < $3,96$ kNm	
$M_{T,Rd}$	6,68 kNm		
$C_{MT,Rd}$	98,2 kNm/rad		
$C_{MT,Geb}$	146,7 kNm/rad		

Anhang - Sikla EN 1090-1 Conformed Items

Artikel Nummer <i>Item Number</i>	Bezeichnung <i>Description</i>
117153	WD F 80 120/120 HCP
113095	WD F100 140/140 HCP

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.