



DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) Nr. 305/2011 (Construction Products Regulation)

Hilti Sandwich panel screws S-CD C No. Hilti-SF-DoP-010

1. Unique identification code of the product-type: Hilti fastening screws for sandwich panels S-CD C

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Type and Lot-Number displayed on the packaging

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Generic type and use	Self-drilling fastening screws for sandwich panels				
Product size covered	Screw diameter 5.5 mm				
Base and fastened material	Steel according to EN 10025-1 and EN 10346				
Fastener material	Carbon steel, case hardened and coated				
Loading	Static and quasi static (wind loading)				

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article **11(5)**: Hilti Aktiengesellschaft, Business Unit Direct Fastening, 9494 Schaan, Fürstentum Liechtenstein

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): n.a.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonized **standard:** n.a.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: Deutsches Institut für Bautechnik (DIBt) issued ETA-13/0179 on the basis of EAD 330047-01-0602. The notified body MPA-Karlsruhe 0769 performed third party tasks under system 2+ and issued the certificate of conformity of the production control 0769-CPR-VAS-00705.

9. Declared performance:

Essential characteristic	Performance	Harmonized technical specification		
Characteristic tension resistance N _{R,k}		FTA 12/0170		
Characteristic shear resistance V _{R,k}	Annex 1-8			
Max. allowed screw head displacement u	ETA-13/0179 (Annex 4-7, 12-15)	ETA 13/0179 EAD 330047-01-0602		
Application limits		EAD 330047-01-0602		
Reaction to fire	A1			

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Nasloum

Lars Taenzer Head of Business Unit Direct Fastening

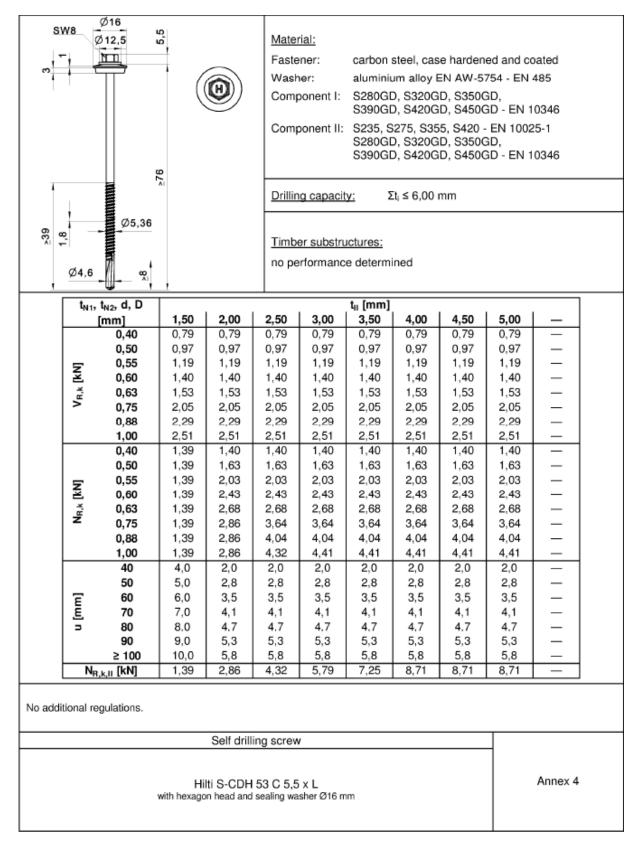
Hilti Aktiengesellschaft, Schaan, 01.05.2019

1 IL

Pierre Hohmeier Head of Quality Screw Fastening



Annex 1: ETA-13/0179, Annex 4



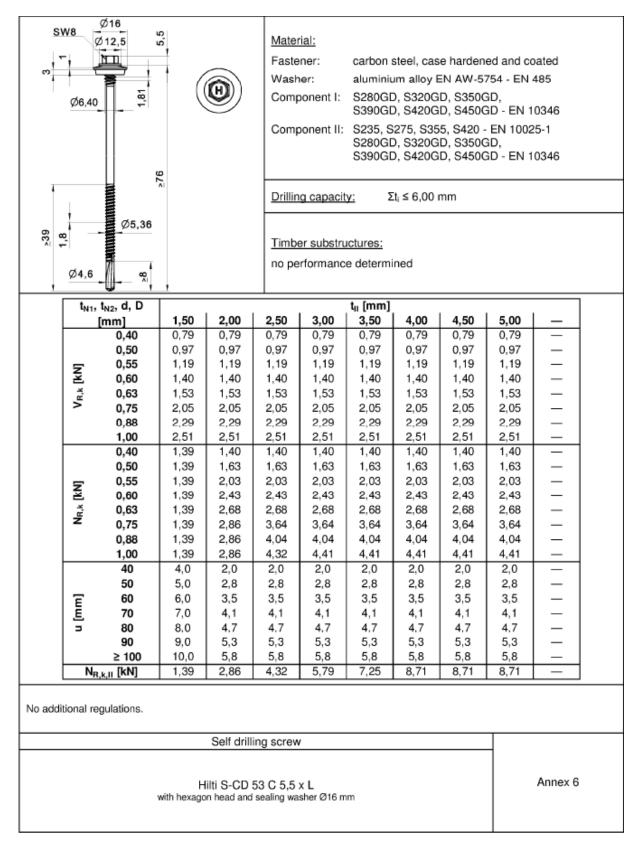


Annex 2: ETA-13/0179, Annex 5

SW8 Ø12,5 9 Ø12,5 9 Ø					Faste Wash Comp Comp	$\begin{tabular}{ c c c c c } \hline Material: \\ \hline Fastener: & carbon steel, case hardened and coated \\ \hline Washer: & aluminium alloy EN AW-5754 - EN 485 \\ \hline Component I: & S280GD, S320GD, S350GD, \\ & S390GD, S420GD, S450GD - EN 10346 \\ \hline Component II: & S235, S275, S355, S420 - EN 10025-1 \\ & S280GD, S320GD, S350GD, \\ & S390GD, S420GD, S450GD - EN 10346 \\ \hline \hline Drilling capacity: & \Sigma t_i \leq 6,00 \mbox{ mm} \\ \hline \end{tabular}$						
-39	ο. -					er substru rformanc	uctures: e determi	ned				
,	Ø4,6	<u></u>	,									
		t _{N2} , d, D	1,50	2,00	2,50	3,00	t _{II} [mm] 3,50	4,00	4,50	5,00	I _	
	\vdash	mm] 0,40	0,79	0,79	0.79	0.79	0,79	0,79	0.79	0.79		
		0,50	0,97	0,97	0,97	0,97	0,97	0,97	0,97	0,97	_	
	5	0,55	1,19	1,19	1,19	1,19	1,19	1,19	1,19	1,19	-	
	V _{R,k} [kN]	0,60	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	—	
	, a	0,63	1,53	1,53	1,53	1,53	1,53	1,53	1,53	1,53	-	
	>	0,75	2,05	2,05	2,05	2,05	2,05	2,05	2,05	2,05	-	
		0,88	2,29	2,29	2,29	2,29	2,29	2,29	2,29	2,29	-	
	<u> </u>	1,00 0,40	2,51	2,51 1,53	2,51 1,53	2,51 1,53	2,51 1,53	2,51 1,53	2,51	2,51 1,53	—	
		0,40	1,39	1,79	1,55	1,55	1,55	1,55	1,79	1,79		
		0,55	1,39	2,20	2,20	2,20	2,20	2,20	2,20	2,20		
	N S	0,60	1,39	2,61	2,61	2,61	2,61	2,61	2,61	2,61	_	
	N _{R,k} [kN]	0,63	1,39	2,86	2,86	2,86	2,86	2,86	2,86	2,86	_	
	۳ z	0,75	1,39	2,86	3,85	3,85	3,85	3,85	3,85	3,85	_	
		0,88	1,39	2,86	4,15	4,15	4,15	4,15	4,15	4,15	_	
		1,00	1,39	2,86	4,32	4,42	4,42	4,42	4,42	4,42	—	
		40	4,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	—	
		50	5,0	2,8	2,8	2,8	2,8	2,8	2,8	2,8	-	
	Ē	60	6,0	3,5	3,5	3,5	3,5	3,5	3,5	3,5	-	
	<u>E</u>	70	7,0	4,1	4,1	4,1	4,1	4,1	4,1	4,1	-	
	-	80	8,0	4,7	4.7	4,7	4,7	4.7	4.7	4,7	-	
		90 ≥ 100	9,0 10,0	5,3 5,8	5,3 5,8	5,3 5,8	5,3 5,8	5,3 5,8	5,3 5,8	5,3 5,8	_	
	Ne	≥ 100 _{k,II} [kN]	1,39	2,86	4,32	5,79	7,25	8,71	8,71	8,71		
	•• R,	Kill [root]	1,00	2,00	4,02	0,70	1,20	0,71	0,71	0,71		i
No addi	itional reg	gulations.										
				Self drill	ing screw							
Hilti S-CDH 63 C 5,5 x L Hilti S-CDH 73 C 5,5 x L with hexagon head and sealing washer ≥ Ø19 mm									Annex 5			

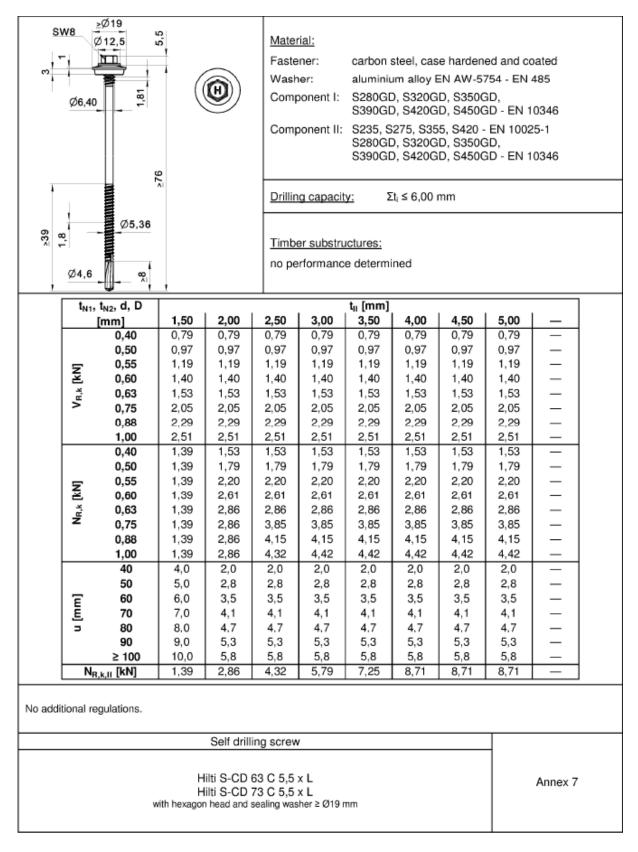


Annex 3: ETA-13/0179, Annex 6



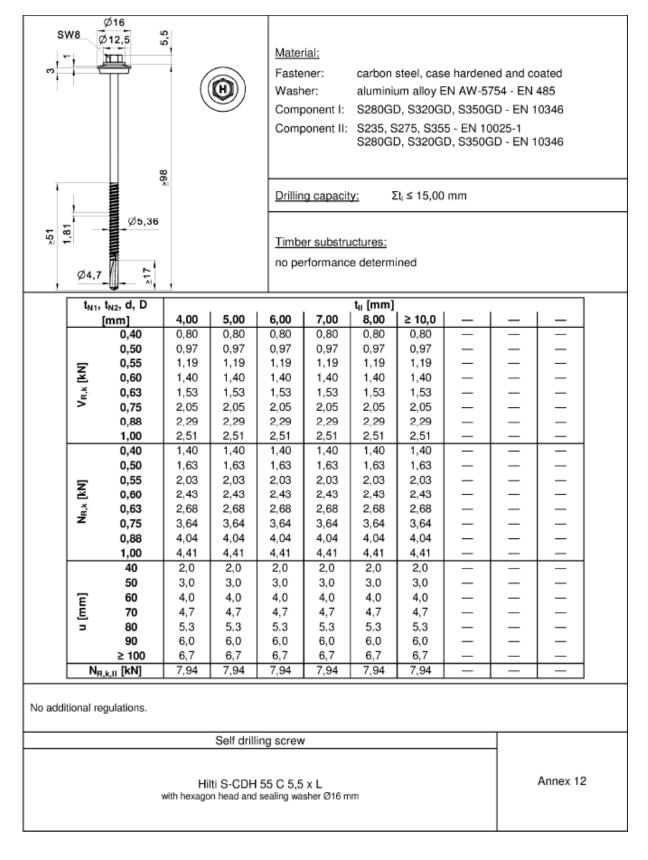


Annex 4: ETA-13/0179, Annex 7



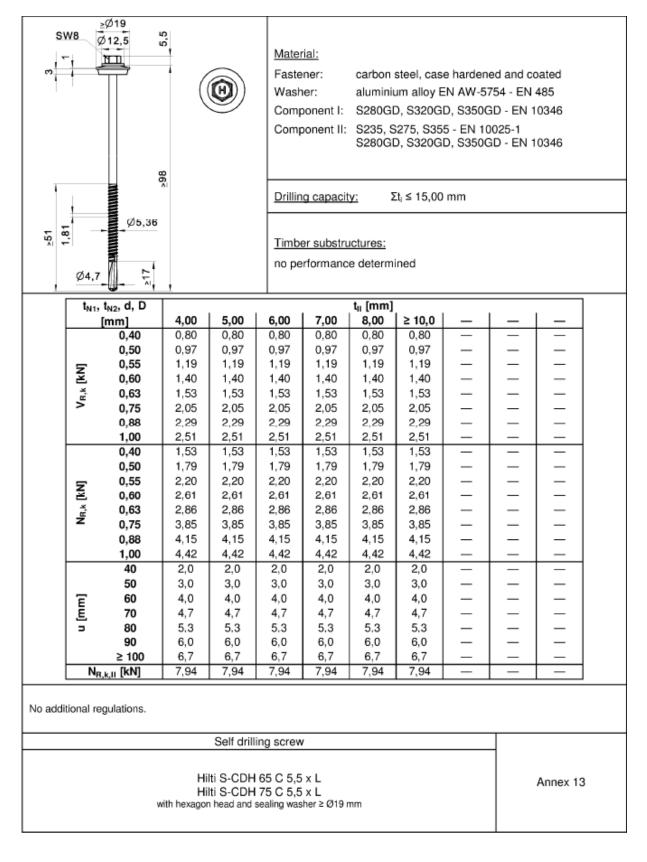


Annex 5: ETA-13/0179, Annex 12



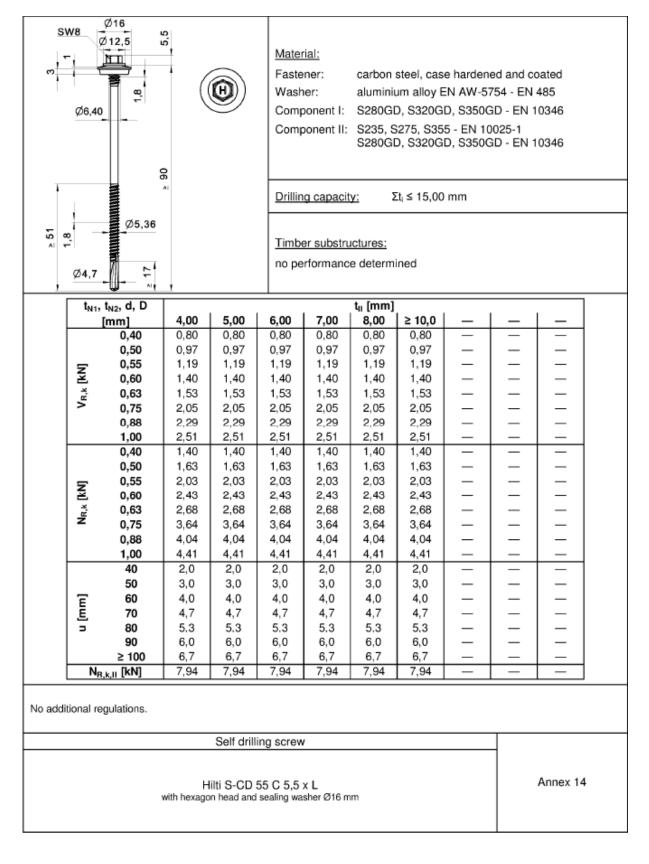


Annex 6: ETA-13/0179, Annex 13





Annex 7: ETA-13/0179, Annex 14





Annex 8: ETA-13/0179, Annex 15

