

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-08/0262
of 17 October 2017

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

SFS intec Flat Roof Fasteners

Product family
to which the construction product belongs

Fasteners for flexible roof waterproofing systems

Manufacturer

SFS intec AG
FasteningSystems
Rosenbergsaustraße 10
9435 HEERBRUGG
SCHWEIZ

Manufacturing plant

Factory 1 to factory 15, factory 18 to factory 23

This European Technical Assessment
contains

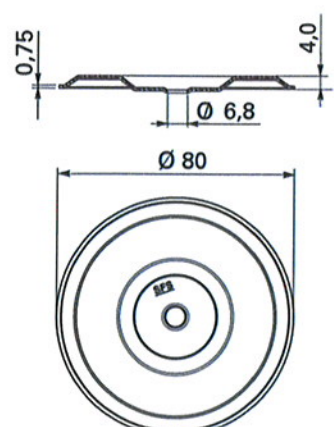
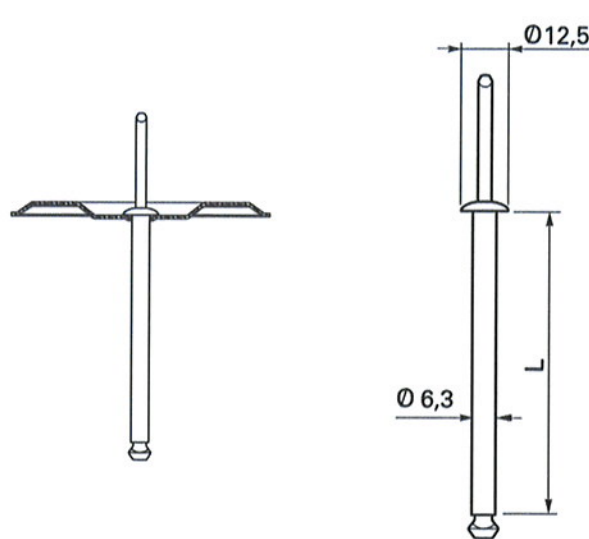
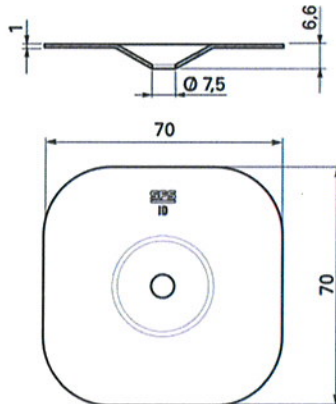
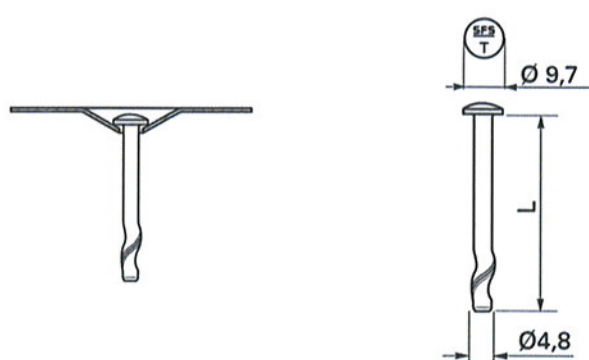
114 pages including 109 annexes which form an integral
part of this assessment

This European Technical Assessment is
issued in accordance with Regulation (EU)
No 305/2011, on the basis of

ETAG 006,
used as EAD according to Article 66 Paragraph 3 of
Regulation (EU) No 305/2011.

This version replaces

ETA-08/0262 issued on 25 April 2013

Combination 85A TPR-L-6,3 / FI-P-6,8	Combination 85B DT-4,8 / ID-70x70
<p data-bbox="159 604 255 638">FI-P-6,8</p>  <p data-bbox="606 1187 718 1220">TPR-L-6,3</p> 	<p data-bbox="861 593 989 627">ID-70x70</p>  <p data-bbox="1308 1288 1404 1321">DT-4,8</p> 
<p data-bbox="127 2083 526 2128">SFS intec flat roof fasteners</p> <p data-bbox="1197 2083 1340 2128">Annex 85</p>	

Combination	SFS intec flat roof fastener		Characteristic axial loading resistance N_{Rk} [kN] for metallic substructures															
			Steel sheets S320GD ²¹ EN 10346 t ≥ [mm]									Steel sheets S350GD EN 10346 t ≥ [mm]		Steel sheets S420GD EN 10346 t ≥ [mm]		Perforated Steel sheets S320GD EN 10346 t ≥ 0,75 mm		Aluminium sheets $R_m \geq 195$ N/mm ² t ≥ 0,60 mm
			0,50	0,63	0,70	0,75	0,80	0,88	1,00	1,25	1,50	0,70	1,00	0,65	0,75			
75B	Sarnafast SBF-6,0	Sarnabar	-	1,17	1,38	1,53	1,63	1,80	2,04	2,91	-	1,58	2,19	1,57	1,92	-	-	
76A	Sarnafast SBF-S-6,0	Sarnabar	-	1,21	1,47	1,66	1,81	2,04	2,39	-	-	-	-	-	-	-	-	
76B	IR2-4,8	Sarnabar	-	1,09	1,34	1,52	1,67	1,91	2,27	3,15	-	1,44	2,27	1,39	1,74	-	-	
81B	BS-S-6,1	FI-P-6,8	-	1,21	1,47	1,66	1,81	2,04	2,39	-	-	-	-	-	-	-	-	
82A	BS-S-6,1	FI-P-16,0 / FI-R-20	-	1,21	1,47	1,66	1,81	2,04	2,17	-	-	-	-	-	-	-	-	
85A	TPR-L-6,3	FI-P-6,8	0,99 ²¹	-	-	-	-	-	-	-	-	-	-	-	-	-	0,69 ²¹	
87B	TPR-L-6,3	IL-C-82x40	0,99 ²¹	-	-	-	-	-	-	-	-	-	-	-	-	-	0,69 ²¹	
88A	BS-4,8	IPF45 / FI-R-20	-	1,09	1,34	1,52	1,67	1,91	2,21	2,21	-	1,44	2,21	1,39	1,74	-	-	
88B	BS-4,8	IPF45 / FI-R-20	-	1,09	1,34	1,52	1,67	1,91	2,21	2,21	-	1,44	2,21	1,39	1,74	-	-	
89A	BS-4,8	Isolfast SQT	-	1,09	1,34	1,45	1,45	1,45	1,45	1,45	-	1,44	1,45	1,39	1,45	-	-	
89B	Sarnafast SF-4,8	IF/IG-C-82x40	-	1,09	1,34	1,52	1,67	1,91	2,27	3,15	-	1,44	2,27	1,39	1,74	-	-	
90B	Sarnafast SBF-6,0	Sarnaweld disc 6,8	-	1,17	1,38	1,53	1,63	1,80	2,04	2,83	-	1,58	2,19	1,57	1,92	-	-	
91A	Sarnafast SBF-6,0	Sarnaweld disc 16 / Sarnabar Tube SBT-20	-	1,17	1,38	1,53	1,63	1,80	2,04	2,17	-	1,58	2,17	1,57	1,92	-	-	
91B	Sarnafast SBF-S-6,0	Sarnabar disc 6,8	-	1,21	1,47	1,66	1,81	2,04	2,39	-	-	-	-	-	-	-	-	
92A	Sarnafast SBF-S-6,0	Sarnaweld disc 16 / Sarnabar Tube SBT-20	-	1,21	1,47	1,66	1,81	2,04	2,17	-	-	-	-	-	-	-	-	
92B	IR2-S-4,8	Sarnabar	-	0,90	1,13	1,29	1,43	1,62	1,97	-	-	-	-	-	-	-	-	
93A	IR3-4,8	Sarnabar	-	-	-	-	-	-	1,26	2,00	2,63	-	-	-	-	-	-	
94A	IR2-4,8	Sarnafast KT-82x40	-	1,09	1,34	1,52	1,67	1,91	2,27	3,15	-	1,44	2,27	1,39	1,74	-	-	
94B	BSF-N-6,1	RH45	-	1,17	1,38	1,53	1,54	1,54	1,54	1,54	-	1,54	1,54	1,54	1,54	-	-	

²¹ for steel sheets S280GD the values have to be reduced to 92%

²² predrill-diameter = 7,0 mm

SFS intec flat roof fasteners

Annex 99