

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
Rosenbergsastraße 10
9435 HEERBRUGG
SCHWEIZ

Manufacturing plant

Factory 1 to factory 15, factory 18 to factory 23

This European Technical Assessment
contains

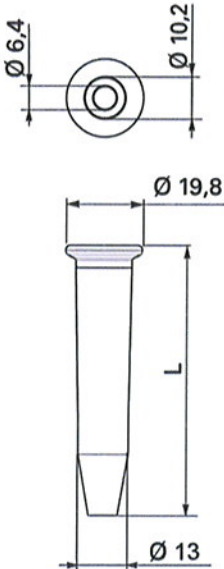
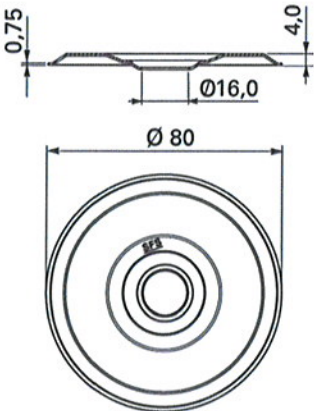
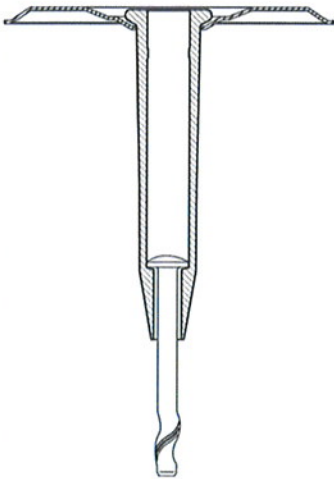
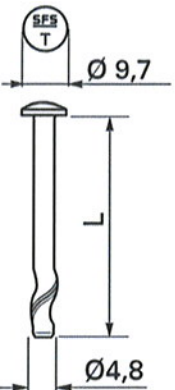
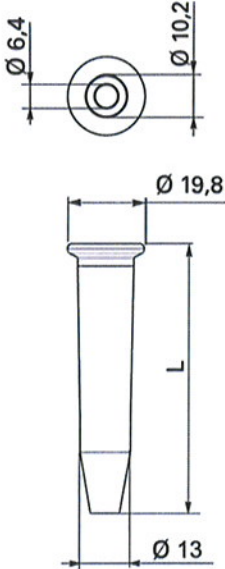
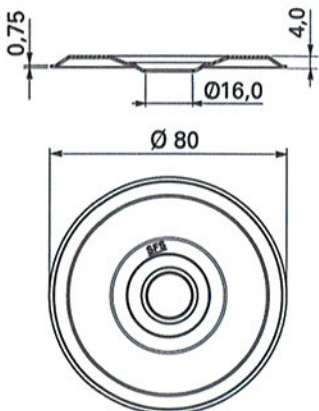
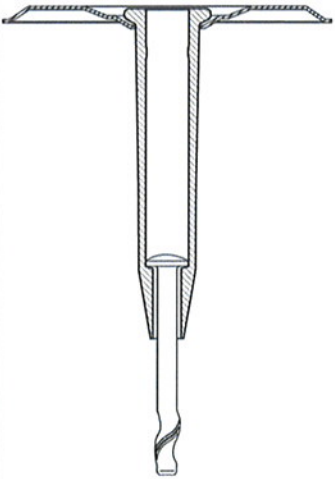
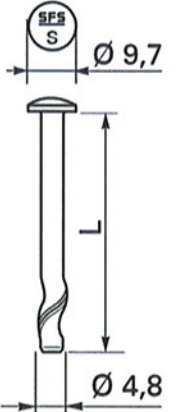
114 pages including 109 annexes which form an integral
part of this assessment

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 48A DT-4,8 / FI-P-16,0 / FI-R-20	Combination 48B DT-S-4,8 / FI-P-16,0 / FI-R-20
FI-R-20  FI-P-16,0   DT-4,8 	FI-R-20  FI-P-16,0   DT-S-4,8 
SFS intec flat roof fasteners	Annex 48

Combination	SFS intec flat roof fastener		Characteristic axial loading resistance $N_{R,k}$ [kN] for non-metallic substructures												
			Timber			Concrete EN 206-1				Aerated Concrete DIN 4223-1			Pumice Panel EN 1520		
			OSB3 EN 300 $t \geq 18 \text{ mm}^{1)}$	Structural Timber EN 338 / C24 $t \geq 22 \text{ mm}^{2)}$	Plywood EN 636 $t \geq 18 \text{ mm}^{3)}$	C12/15	C25/30	setting depth $\geq$ [mm]	pre-drill diameter [mm]	P 3.3	P 4.4	setting depth $\geq$ [mm]	LAC 6, D 1,0	setting depth $\geq$ [mm]	pre-drill diameter [mm]
	Fastener	Stress Plate / Sleeve / Bar													
SFS intec flat roof fasteners	40A	TI-T25-6,3	-	-	-	1,83	1,83	20	5,0	-	-	-	-	-	-
						2,73	2,83	30							
	40B	BS-6,1	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
	41A	DT-4,8	-	-	-	2,40	2,83	25	4,8	-	-	-	-	-	-
	41B	DT-S-4,8	-	-	-	2,65	2,83	25	4,8	-	-	-	-	-	-
	42A	DT-6,3	-	-	-	2,93	3,82	32	6,3	-	-	-	-	-	-
	42B	DT-S-6,3	-	-	-	2,23	3,10	32	6,3	-	-	-	-	-	-
	43A	LBS-T25-8,0	-	-	-	-	-	-	-	0,93	1,44	60	-	-	-
	43B	LBS-S-T25-8,0	-	-	-	-	-	-	-	0,93	1,44	60	-	-	-
	44A	TS-T25-6,0	1,31	1,43	2,30	0,44	0,89	32	5,0	1,07	1,78	75	-	-	-
						2,83	2,83	50							
	44B	Sarnafast SBF-6,0	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
	45A	Sarnafast SBF-S-6,0	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
	45B	FB-S-T25-7,5	-	-	-	-	-	-	-	-	-	-	0,59	50	4,8
	46A	BS-4,8	1,45	1,32	2,18	-	-	-	-	-	-	-	-	-	-
	46B	BS-S-4,8	1,28	1,74	1,96	-	-	-	-	-	-	-	-	-	-
	47A	TI-T25-6,3	-	-	-	1,83	1,83	20	5,0	-	-	-	-	-	-
						2,17	2,17	30							
Annex 104	47B	BS-6,1	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
	48A	DT-4,8	-	-	-	2,17	2,17	25	4,8	-	-	-	-	-	-
¹⁾ effective setting depth (penetration length of threaded part) $\geq 18 \text{ mm}$ ²⁾ effective setting depth (penetration length of threaded part) $\geq 22 \text{ mm}$ ³⁾ effective setting depth (penetration length of threaded part) $\geq 18 \text{ mm}$; minimum density = 400 kg/m^3															

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	Fastener	Stress Plate / Sleeve / Bar													
48B	DT-S-4,8	FI-P-16,0 / FI-R-20	-	-	-	2,17	2,17	25	4,8	-	-	-	-	-	-
49A	TS-T25-6,0	FI-P-16,0 / FI-R-20	1,31	1,43	2,17	0,44	0,89	32	5,0	1,07	1,78	75	-	-	-
						2,17	2,17	50							
49B	Sarnafast SBF-6,0	FI-P-16,0 / FI-R-20	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
50A	Sarnafast SBF-6,0	FI-P-16,0 / FI-R-20	1,25	2,02	2,17	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
50B	TIA-T25-6,3	FI-P-16,0 / FI-R-20	-	-	-	1,83	1,83	20	5,0	-	-	-	-	-	-
51A	TIA-T25-6,3	FI-R-20 / Sarnabar	-	-	-	1,83	1,83	20	5,0	-	-	-	-	-	-
55B	TI-T25-6,3	Isolfix SRT	-	-	-	1,42	1,42	20	5,0	-	-	-	-	-	-
						1,42	1,42	30							
56A	Sarnafast SBF-6,0	Isolfix SRT	1,32	1,42	1,42	0,72	1,42	32	5,0	0,35	0,58	75	-	-	-
56B	Sarnafast SBF-S-6,0	Isolfix SRT	1,25	1,42	1,42	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
57B	Sarnafast SBF-6,0	Sarnafast KTL-82x40	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
58A	Sarnafast SBF-6,0	Sarnafast DTL-70x70	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
58B	Sarnafast SBF-6,0	IF/IG-C-82x40	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
59A	Sarnafast SBF-S-6,0	Sarnafast KTL-82x40	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
59B	Sarnafast SBF-S-6,0	Sarnafast DTL-70x70	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
60A	Sarnafast SBF-S-6,0	IF/IG-C-82x40	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
60B	Sarnafast SBF-S-6,0	Sarnabar Tube SFT-50	1,25	1,66	1,66	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
61A	Sarnafast SBF-S-6,0	Sarnabar Tube SBT-20 / Sarnabar	1,25	2,02	2,10	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-
61B	Sarnafast SBF-6,0	SBIW-70x70 / Sarnabar Tube SBT-20	1,32	2,10	2,10	0,72	1,45	32	5,0	0,35	0,58	75	-	-	-
¹⁾ effective setting depth (penetration length of threaded part) $\geq 18 \text{ mm}$ ²⁾ effective setting depth (penetration length of threaded part) $\geq 22 \text{ mm}$ ³⁾ effective setting depth (penetration length of threaded part) $\geq 18 \text{ mm}$; minimum density = 400 kg/m ³															

SFS intec flat roof fasteners

Annex 105