



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:

Trade name of the construction product

Product family to which the construction product belongs

Manufacturer

Manufacturing plant

This European Technical Assessment contains

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

This version replaces

Deutsches Institut für Bautechnik

SFS intec Flat Roof Fasteners

Fasteners for flexible roof waterproofing systems

SFS intec AG FasteningSystems Rosenbergsaustraße 10 9435 HEERBRUGG SCHWEIZ

Factory 1 to factory 15, factory 18 to factory 23

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

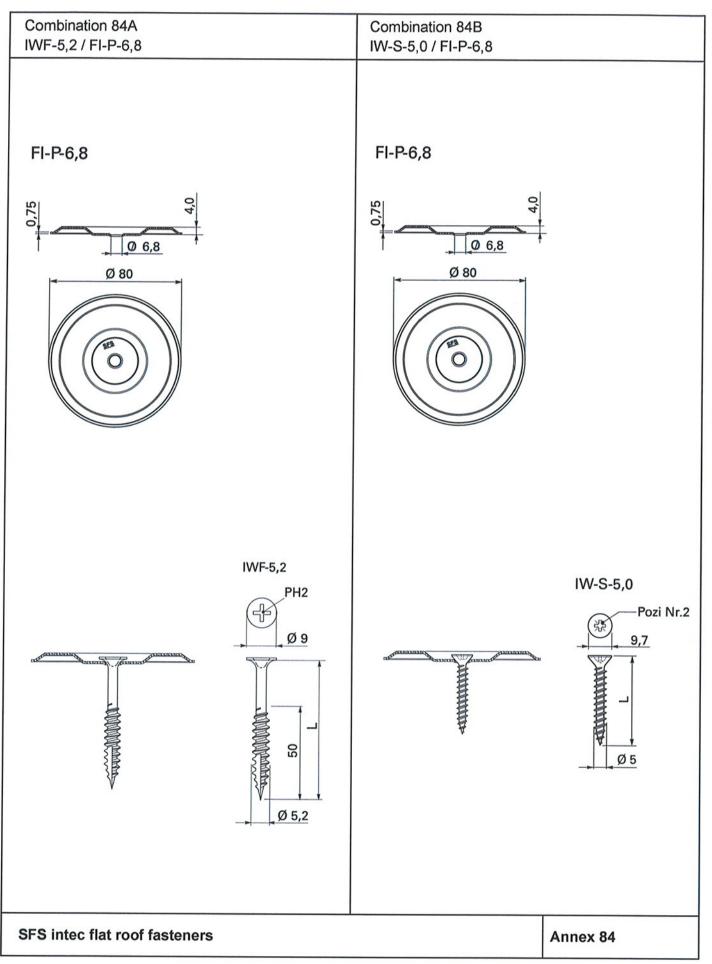
ETAG 006, used as EAD according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011.

ETA-08/0262 issued on 25 April 2013

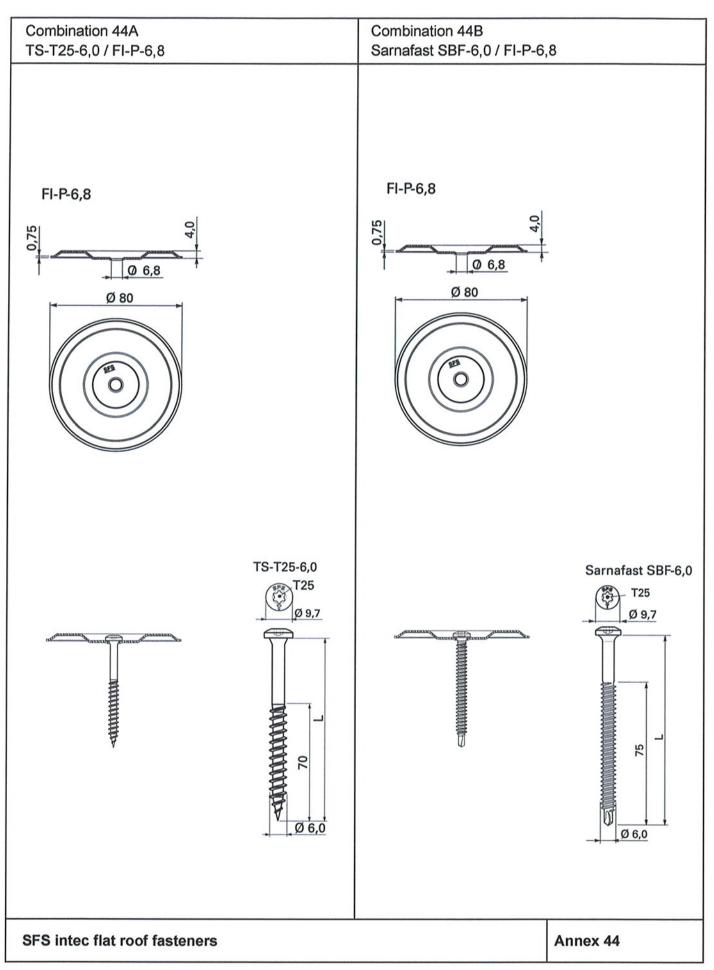
Deutsches Institut für Bautechnik

Kolonnenstraße 30 B | 10829 Berlin | GERMANY | Phone: +49 30 78730-0 | Fax: +49 30 78730-320 | Email: dibt@dibt.de | www.dibt.de

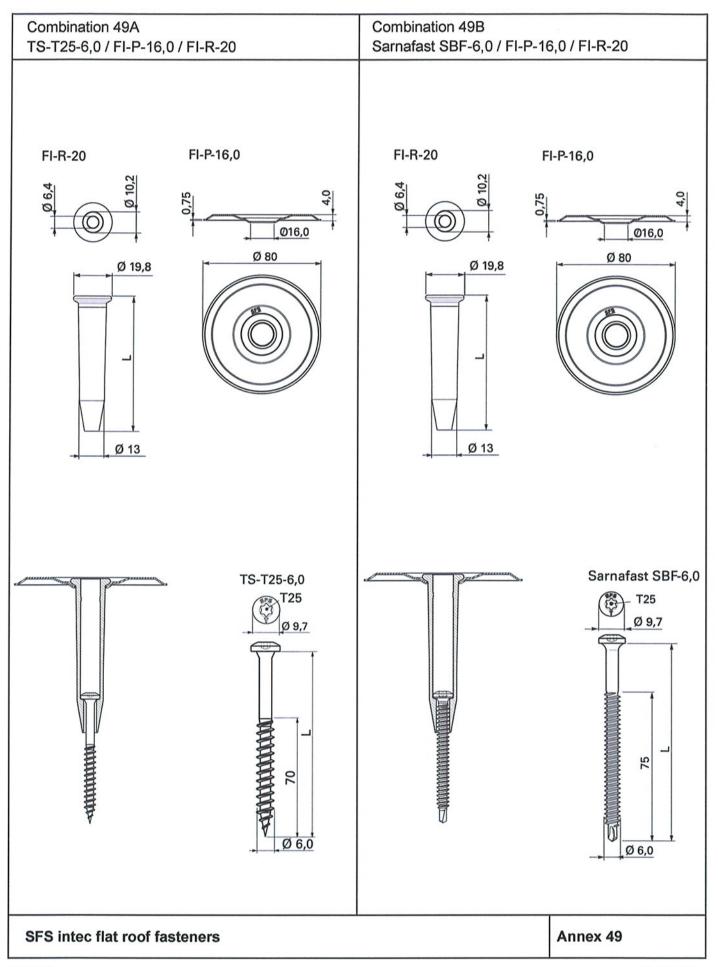












	Co				Charact	eristic axial lo	ading r	esistan	ce N _{R,k}	[kN] for	non-me	etallic su	ubstruc	tures	ures		
	mbin	SFS intec flat roof fastener		Timber			Concrete EN 206-1				Aerated Concrete DIN 4223-1			Pumice Panel EN 1520			
	Combination	Fastener	Change Diane / Change / Day	OSB3 EN 300 t≥18 mm ¹⁾	Structural Timber EN 338 / C24	Plywood EN 636	C12/15	C25/30	setting depth ≥	pre-drill diameter	P 3.3	P 4.4	setting depth ≥	LAC 6, D 1,0	setting depth ≥	pre-drill diameter	
			Stress Plate / Sleeve / Bar		t≥22 mm ²⁾	t≥18 mm ³⁾			[mm]	[mm]			[mm]		[mm]	[mm]	
	818	BS-S-6,1	FI-P-6,8	1,25	2,02	2,22	-	-				-	-	-	-	-	
	82A	BS-S-6,1	FI-P-16,0 / FI-R-20	1,25	2,02	2,17	-	-	-	-	-	-	-	-	-	-	
	82B	LBS-S-T25-8,0	IRD-82x40	-	-	-	-	-	-	-	0,93	1,44	60	-	-	-	
SFS	83A	LBS-T25-8,0	IRD-82x40	-	-	-	-	-	-	-	0,93	1,44	60	-	-	-	
int	83B	LBS-T25-8,0	IF/IG-C-82x40	-		-	-		-	-	0,93	1,44	60	2	-	-	
SFS intec flat roof fasteners	84A	IWF-5,2	FI-P-6,8	1,35	1,94	2,20		-		-	-	-	-	-	-23	-	
	84B	IW-S-5,0	FI-P-6,8	1,08	1,12	2,04	-		-	-	-	-	-	-	-	-	
	85B	DT-4,8	ID-70x70	-	-	-	2,40	2,56	25	4,8	-	-	-	-	-	-	
	86A	DT-6,3	ID-70x70	-	•		2,93	3,68	32	6,3		7	5	-	-	-	
	86B	DT-4,8	R75	-	-	-	1,39	1,39	25	4,8	÷	-	-		-	-	
	87A	DT-S-4,8	R75	5 - 0	-	-	1,39	1,39	25	4,8	-	-	-	-	-	-	
	88A	BS-4,8	IPF45 / FI-R-20	1,45	1,32	2,18	-	-	-	-	-	-	-	-	-	-	
	88B	BS-4,8	IPF45 / FI-R-20	1,45	1,32	2,18	-	-	-	-	-	-	-	-			
	89A	BS-4,8	Isolfast SQT	1,45	1,32	1,45	-	-	-	-	-	-	-	-		-	
	89B	Sarnafast SF-4,8	IF/IG-C-82x40	1,45	1,32	2,18	-	-	-	-	-		-			-	
	90A	LBS-T25-8,0	Sarnabar	-		-	-	-	-	-	0,93	1,44	60				
	90B	Sarnafast SBF- 6,0	Sarnaweld disc 6,8	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75		-	-	
	91A	Sarnafast SBF- 6,0	Sarnaweld disc 16 / Sarnabar Tube SBT-20	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-			
	91B	Sarnafast SBF-S- 6,0	Sarnaweld disc 6,8	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	•		•	
Ani	92A	Sarnafast SBF-S- 6,0	Sarnaweld disc 16 / Sarnabar Tube SBT-20	1,25	2,02	2,17	0,42	0,84	32	5,0	0,82	1,37	75	-	-	-	
Annex 108	2) effectiv	e setting depth (pe	enetration length of threade enetration length of threade enetration length of threade	ed part) ≥ 22 mm	minimum density = 4	00 kg/m³											

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Combination 00A 00B 11A 11B	Fastener TI-T25-6,3 BS-6,1	Stress Plate / Sleeve / Bar FI-P-6,8	OSB3 EN 300 t≥18 mm ¹⁾	Structural Timber EN 338 / C24 t≥22 mm ²⁾	Plywood EN 636 t≥18 mm ³⁾	C12/15	C25 /20	setting	pre-drill			setting		setting	
0B 1A	TI-T25-6,3		t≥18 mm *	t≥22 mm ²¹	t ≥ 18 mm ³		C25/30	depth ≥	diameter	P 3.3	P 4.4	-	LAC 6, D 1,0	depth ≥	pre-dr diamet
0B 1A		FI-P-6,8						[mm]	[mm]			[mm]		[mm]	[mm
1A	BS-6,1		-		-	1,83 2,73	1,83 2,83	20 30	5,0	-			-	-	-
		FI-P-6,8	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75			
18	DT-4,8	FI-P-6,8	-	-	-	2,40	2,83	25	4,8	-		-	-	-	-
10	DT-S-4,8	FI-P-6,8	-	-	-	2,65	2,83	25	4,8	-	-	-		-	
2A	DT-6,3	FI-P-6,8	-	-	-	2,93	3,82	32	6,3	-	-	-	-	÷	
2B	DT-S-6,3	FI-P-6,8	-	-	-	2,23	3,10	32	6,3	-	-	-	-	-	
ЗА	LBS-T25-8,0	FI-P-6,8	-	-	-	-	-	-	-	0,93	1,44	60	-	-	
3B	LBS-S-T25-8,0	FI-P-6,8	-	-	-	-	-	-	-	0,93	1,44	60	-	-	
4A	TS-T25-6.0	FI-P-6.8	1 31	1.43	2 30	0,44	0,89	32	5.0	1.07	1.78	75		-	
			2,52	2,10	2,50	2,83	2,83	50	3,0 1,0	1,07	1,78	/3			
4B	Sarnafast SBF-6,0	FI-P-6,8	1,32	2,16	2,11	0,72	1,45	32	5,0	0,35	0,58	75	-	-	3
5A	Sarnafast SBF-S-6,0	FI-P-6,8	1,25	2,02	2,22	0,42	0,84	32	5,0	0,82	1,37	75	-	-	
5B	FB-S-T25-7,5	FI-P-6,8		-	-	-	-	-	-	-	-		0,59	50	4
6A	BS-4,8	FI-P-16,0 / FI-R-20	1,45	1,32	2,18	-	-		-	-		-		-	
6B	BS-S-4,8	FI-P-16,0 / FI-R-20	1,28	1,74	1,96	-	-	-	-	-	-		-	-	
7A	TI-T25-6 3	FI-P-16.0 / FI-R-20				1,83	1,83	20	5.0						
		1.1.20,07.1.1.20				2,17	2,17	30	5,0		_			-	
7B	BS-6,1	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	-	-	
8A	DT-4,8	FI-P-16,0 / FI-R-20	-	-	-	2,17	2,17	25	4,8	-	-	-	-	-	-
4 4 5 6 6 6 7 7 7 8	BB AA BB 5A 5A 55B 7A 7B 58A 75B 58B 58A 75B 58B 58A 75B 58B 58B 58B 58B 58B 58B 58B 58B 58B 5	BB LBS-S-T25-8,0 IA TS-T25-6,0 IB Sarnafast SBF-6,0 SA Sarnafast SBF-S-6,0 SB FB-S-T25-7,5 SA BS-4,8 SB BS-S-4,8 7A TI-T25-6,3 7B BS-6,1 SA DT-4,8	BB LBS-S-T25-8,0 FI-P-6,8 IA TS-T25-6,0 FI-P-6,8 IB Sarnafast SBF-6,0 FI-P-6,8 IB Sarnafast SBF-6,0 FI-P-6,8 IB Sarnafast SBF-5-6,0 FI-P-6,8 IB FB-S-T25-7,5 FI-P-6,8 IB FB-S-T25-7,5 FI-P-6,8 IB BS-4,8 FI-P-16,0 / FI-R-20 IB BS-5-4,8 FI-P-16,0 / FI-R-20 IB BS-6,1 FI-P-16,0 / FI-R-20	BB LBS-S-T25-8,0 FI-P-6,8 - HA TS-T25-6,0 FI-P-6,8 1,31 HB Sarnafast SBF-6,0 FI-P-6,8 1,32 HB Sarnafast SBF-6,0 FI-P-6,8 1,32 HB Sarnafast SBF-6,0 FI-P-6,8 1,25 HB Sarnafast SBF-S-6,0 FI-P-6,8 1,25 HB Sarnafast SBF-S-6,0 FI-P-6,8 1,25 HB Sarnafast SBF-S-4,0 FI-P-16,0 / FI-R-20 1,45 HB BS-4,8 FI-P-16,0 / FI-R-20 1,28 HA TI-T25-6,3 FI-P-16,0 / FI-R-20 - HB BS-6,1 FI-P-16,0 / FI-R-20 1,32 HB BS-6,1 FI-P-16,0 / FI-R-20 - HB BS-6,1 FI-P-16,0 / FI-R-20 -	BB LBS-S-T25-8,0 FI-P-6,8 - - HA TS-T25-6,0 FI-P-6,8 1,31 1,43 HB Sarnafast SBF-6,0 FI-P-6,8 1,32 2,16 HB Sarnafast SBF-6,0 FI-P-6,8 1,25 2,02 HB Sarnafast SBF-5-6,0 FI-P-6,8 1,25 2,02 HB Sarnafast SBF-5-6,0 FI-P-6,8 - - HB Sarnafast SBF-5-6,0 FI-P-6,8 1,25 2,02 HB Sarnafast SBF-5-6,0 FI-P-6,8 - - HB Sarnafast SBF-5-6,0 FI-P-16,0 / FI-R-20 1,45 1,32 HB BS-4,8 FI-P-16,0 / FI-R-20 1,28 1,74 HA TI-T25-6,3 FI-P-16,0 / FI-R-20 - - HB BS-6,1 FI-P-16,0 / FI-R-20 1,32 2,16 HA DT-4,8 FI-P-16,0 / FI-R-20 - -	BB LBS-S-T25-8,0 FI-P-6,8 - - IA TS-T25-6,0 FI-P-6,8 1,31 1,43 2,30 IB Sarnafast SBF-6,0 FI-P-6,8 1,32 2,16 2,11 IA Sarnafast SBF-6,0 FI-P-6,8 1,25 2,02 2,22 IB Sarnafast SBF-S-6,0 FI-P-6,8 - - - IA Sarnafast SBF-S-6,0 FI-P-6,8 1,25 2,02 2,22 IB SBF-S-6,0 FI-P-6,8 - - - IB FB-S-T25-7,5 FI-P-6,8 - - - IB BS-4,8 FI-P-16,0 / FI-R-20 1,45 1,32 2,18 IB BS-4,8 FI-P-16,0 / FI-R-20 1,28 1,74 1,96 VA TI-T25-6,3 FI-P-16,0 / FI-R-20 - - - VB BS-6,1 FI-P-16,0 / FI-R-20 1,32 2,16 2,11	AA LBS-T25-8,0 FI-P-6,8 - - - - - AB LBS-S-T25-8,0 FI-P-6,8 - - - - - AB LBS-S-T25-8,0 FI-P-6,8 - - - - - AA TS-T25-6,0 FI-P-6,8 1,31 1,43 2,30 0,44 AB Sarnafast FI-P-6,8 1,32 2,16 2,11 0,72 AB Sarnafast FI-P-6,8 1,25 2,02 2,22 0,42 AB SBF-S-6,0 FI-P-6,8 1,25 2,02 2,22 0,42 AB SBF-S-6,0 FI-P-6,8 - - - - AB SBF-S-6,0 FI-P-6,8 1,25 2,02 2,22 0,42 AB BS-4,8 FI-P-16,0/FI-R-20 1,45 1,32 2,18 - AB BS-4,8 FI-P-16,0/FI-R-20 1,28 1,74 1,96 - TI-T25-6,3	AA LBS-T25-8,0 FI-P-6,8 -	AA LBS-T25-8,0 FI-P-6,8 -	AA LBS-T25-8,0 FI-P-6,8 -	AA LBS-T2S-8,0 FI-P-6,8 - - - - - - - 0,93 38 LBS-S-T2S-8,0 FI-P-6,8 - - - - - - 0,93 38 LBS-S-T2S-8,0 FI-P-6,8 - - - - - - 0,93 38 LBS-S-T2S-8,0 FI-P-6,8 1,31 1,43 2,30 0,44 0,89 32 - 0,93 38 LBS-S-T2S-6,0 FI-P-6,8 1,31 1,43 2,30 0,44 0,89 32 - 0,70 1,07 38 Sarnafast SBF-S,0 FI-P-6,8 1,32 2,16 2,11 0,72 1,45 32 5,0 0,82 38 Sarnafast SBF-S,0 FI-P-6,8 1,25 2,02 2,22 0,42 0,84 32 5,0 0,82 38 FB-S-T25-7,5 FI-P-6,8 1,25 1,32 2,18 - - -	A LBS-T25-8,0 FI-P-6,8 - - - - - - 0,93 1,44 AB LBS-5725-8,0 FI-P-6,8 - - - - - 0,93 1,44 AB LBS-5725-8,0 FI-P-6,8 - - - - - 0,93 1,44 AB TS-725-6,0 FI-P-6,8 1,31 1,43 2,30 0,44 0,89 32 5,0 0,93 1,44 AB Sarnafast FI-P-6,8 1,32 2,16 2,11 0,72 1,45 322 5,0 0,35 0,58 368 Sarnafast FI-P-6,8 1,25 2,02 2,22 0,42 0,84 32 5,0 0,82 1,37 368 FB-S-725-7,5 FI-P-6,8 1,25 2,02 2,22 0,42 0,84 32 5,0 0,82 1,37 368 FB-S-725-7,5 FI-P-6,8 1,25 1,32 2,18 - - - - - - - - - - <	AA UBS-T25-8,0 FI-P-6,8 - - - - - - - 0,93 1,44 60 8B UBS-T25-8,0 FI-P-6,8 - - - - - 0,93 1,44 60 8B UBS-T25-8,0 FI-P-6,8 - - - - - 0,93 1,44 60 8B UBS-T25-8,0 FI-P-6,8 1,31 1,43 2,30 - - 0,93 1,44 60 8B Sarnafast SBF-6,0 FI-P-6,8 1,32 2,16 2,11 0,72 1,45 32 5,0 0,35 0,58 75 8B Sarnafast SBF-6,0 FI-P-6,8 1,32 2,16 2,11 0,72 1,45 32 5,0 0,82 1,37 75 8B FB-5-725-7,5 FI-P-6,8 1,25 2,02 2,22 0,42 0,84 32 5,0 0,82 1,37 75 8B FB-	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	A UBS-T25-8,0 FI-P-6,8

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	Combination		SFS intec oof fastener		Timber	eristic axial lo		Con	crete		Aer	ated Conc	rete	Pu	Pumice Panel EN 1520	
	nation	Fastener	Stress Plate / Sleeve / Bar	OSB3 EN 300 t≥18 mm ¹	Structural Timber EN 338 / C24	Plywood EN 636	C12/15	C25/30	setting depth ≥	pre-drill diameter	P 3.3	P 4.4	setting depth ≥	LAC 6, D 1,0	setting depth ≥	pre-drill diameter
					t≥22 mm ²⁾	t≥18 mm ^{3}}			[mm]	[mm]			[mm]		[mm]	[mm]
	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	50	1,07	1,78	75		-	
				2,02	1,45	2,17	2,17	2,17	50	5,0						
SFS	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	-	-	-
in	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	-	-	-
intec flat roof fasteners	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						1,42	1,42	20	5,0						
		TI-T25-6,3	Isolfix SRT	-	~	-	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	-	-	-
Anney 105	2) effectiv	e setting depth (p	enetration length of threade enetration length of threade enetration length of threade	d part) ≥ 22 mm	ninimum density = 4	00 kg/m³										

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