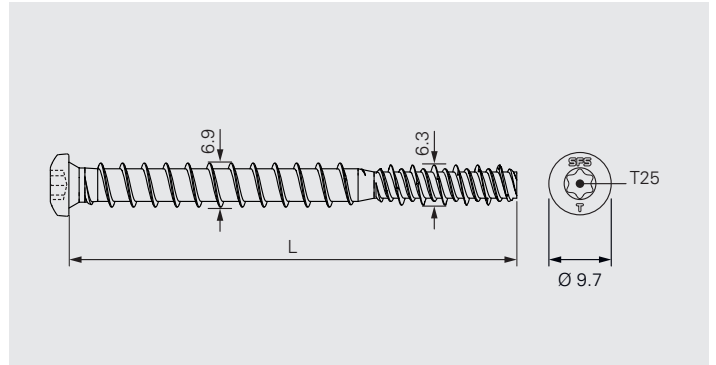
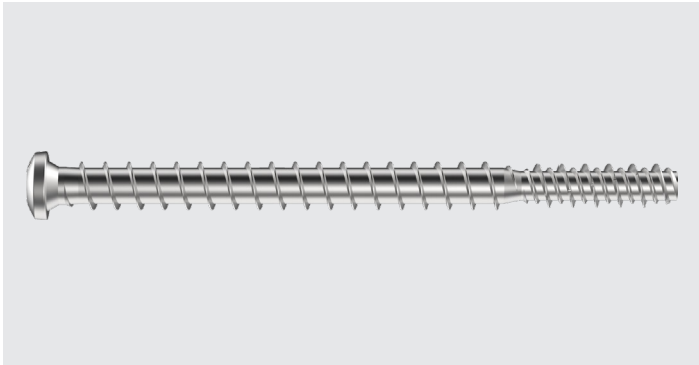
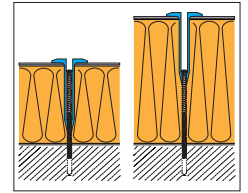


# TIA-T25-6,3



## Application

Adjustable carbon steel fastener for waterproof membrane and tapered insulation securement in combination with sleeves R48, R50, R75 and FI-R-20 on concrete deck.



Substrate material quality:	min. C12/15
Substrate material thickness:	min. 40 mm
Pre-drill diameter:	5.0 mm, see "Tools and Accessories" for alternative drill diameters
Setting depth:	20 mm
Depth of pilot hole:	min. 15 mm deeper than setting depth

## Product Information

Material:	Case hardened carbon steel
Corrosion protection:	Durocoat® Resistance 15 cycles Kesternich test according to <ul style="list-style-type: none"> <li>EAD 030351-00-0402, A2.4</li> <li>FM Approval Standard 4470</li> </ul>

## Approvals/Assessments



Declaration of Performance (DoP)

### Features and Benefits

- Adjustable fastening system for tapered insulation
- Fewer product combinations required
- Only 20 mm setting depth required, ideal for thin concrete deck
- High quality corrosion protection, environment friendly, free of Chromium VI





## Product Range

Product Code	L <sub>mm</sub>	PU	Material No.
TIA-T25-6,3x70	70	250	1047749
TIA-T25-6,3x90	90	250	1047751
TIA-T25-6,3x120	120	250	1047753
TIA-T25-6,3x150	150	250	1047755












Sleeve type	Sleeve length	TIA-T25-6,3x70 Clamping length KL		TIA-T25-6,3x90 Clamping length KL		TIA-T25-6,3x12 Clamping length KL		TIA-T25-6,3x150 Clamping length KL	
		min.	max.	min.	max.	min.	max.	min.	max.
R48,R50,R75	65	75	95	85	115	115	145	145	175
R48,R50,R75	85	95	115	95	135	115	165	145	195
R48,R50,R75	105	115	135	115	155	115	185	145	215
R48,R50,R75	135	145	165	145	185	145	215	145	245
R48,R50,R75	165	175	195	175	215	175	245	175	275
R48,R50,R75	185	195	215	195	235	195	265	195	295
R48,R50,R75	225	235	255	235	275	235	305	235	335
R48,R50,R75	255	265	285	265	305	265	335	265	365
R48,R50,R75	285	295	315	295	335	295	365	295	395
R48,R50	325	335	355	335	375	335	405	335	435
R48,R50	365	375	395	375	415	375	445	375	475
R48,R50	405	415	435	415	455	415	485	415	515
R48,R50	485	495	515	495	535	495	565	495	595
R48,R50	565	575	595	575	615	575	645	575	675
R48,R50	645	655	675	655	695	655	725	655	755
R48,R50	705	715	735	715	755	715	785	715	815
FI-R-20	40	65	70	85	90	115	120	145	155
FI-R-20	70	80	100	85	120	115	150	145	180
FI-R-20	100	110	130	110	150	115	180	145	210
FI-R-20	130	140	160	140	180	140	210	145	240
FI-R-20	160	170	190	170	210	170	240	170	270
FI-R-20	190	200	220	200	240	200	270	200	300
FI-R-20	230	240	260	240	280	240	310	240	340
FI-R-20	300	310	330	310	350	310	380	310	410

All measures in mm

## Products to combine with

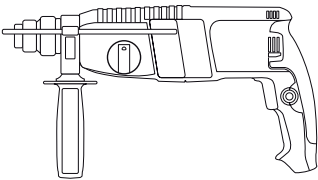
Product Code	Description	
R48	Sleeve with 3 peaks for waterproof membrane and insulation securement. For seam fastening application.	
R50	Sleeve for waterproof membrane and insulation securement. For seam fastening application.	
R75	Sleeve for insulation securement.	
FI-R-20	Sleeve for waterproof membrane and insulation securement. For isoweld® field fastening and seam fastening applications.	

## Tools and Accessories

Product Code	Description	
SDS-5,0xL/L-SP SDS-4,8xL/L-SP* SDS-5,2xL/L-SP*	SDS drill bit	
ZVK-5,0xLxL ZVK-4,8xLxL* ZVK-5,2xLxL*	Conus drill bit for combination with ZAK drill extension	
ZVK-5,0xLxL-STOP ZVK-4,8xLxL-STOP* ZVK-5,2xLxL-STOP*	Conus drill bit with stop function for combination with ZAK drill extension	
ZAK-500 ZAK-750 ZAK1000	Drill extension for ZVK conus drill bits, length 500, 750 and 1000 mm	
ZA¼"-M6-300 ZA¼"-M6-750	Drive bar for installation of fastener and sleeve, length 300 mm and 750 mm	
ZA¼"-M6-EXT	Drive bar extension, length 100 mm	
T25-32-M6	Insert bit with T25 drive	
ZH-11-RING	Adapter to hold sleeves R48, R50, R75 onto drive bar	
ZH-12-RING	Adapter to hold sleeve FI-R-20 onto drive bar	
AJ-M6	Bit for height adjustment of sleeve in combination with fasteners TIA-T25-6,3 and TIF-N-6,3	
AJ60x130-TIA	Installation tool for manual height adjustment of sleeve in combination with fasteners TIA-T25-6,3 and TIF-N-6,3	

\* Alternative drill diameter depending on local conditions. The optimum drill diameter can be determined via on-site pull-out tests.

## Recommendations for Installation

Operating process	Recommendation	
Pre-drilling	Hammer drill with weight class 2–3 kg, impact energy $\leq 2,5$ J	
Screwing in	Power screwdriver <ul style="list-style-type: none"> <li>• 300–700 rpm</li> <li>• Min. 500 W</li> </ul> Battery tool <ul style="list-style-type: none"> <li>• 300–700 rpm</li> <li>• Min. 18 V</li> <li>• Battery with min. 2,5 Ah</li> </ul> Do not use a percussion tool	