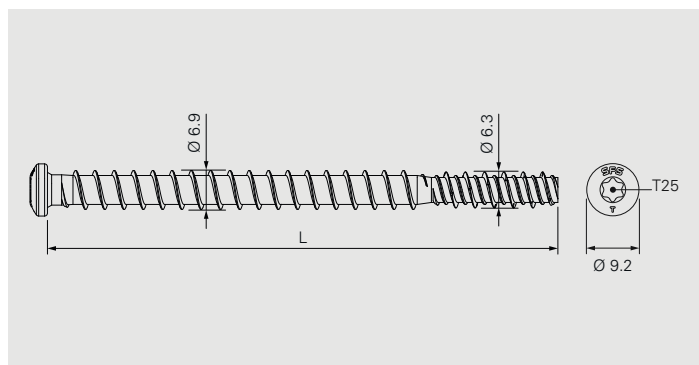
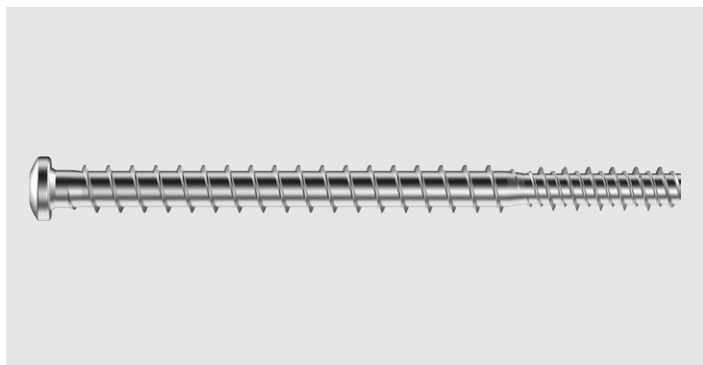
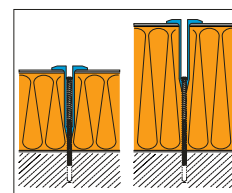


TIA-T25-6,3



Application

Adjustable carbon steel fastener for waterproof membrane and tapered insulation securement in combination with sleeves RP50n, RP75n and FI-R-20n on concrete substrates.



Substrate quality:	min. C12/15
Substrate thickness (t):	min. 40 mm
Setting depth (SD):	20 mm
Pre-drill diameter:	5.0 mm, see "Tools and Accessories" for alternative drill diameters
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 - EAD 030351-00-0402, A2.4 - FM Approval Standard 4470

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 substrates
- High quality corrosion protection, environment friendly, free of Chromium VI

Product Range

Product Code	L mm	PU	Material No.
TIA-T25-6,3×70	70	250	1748375
TIA-T25-6,3×90	90		1748379
TIA-T25-6,3×120	120		1748381
TIA-T25-6,3×150	150		1748392

Combination table

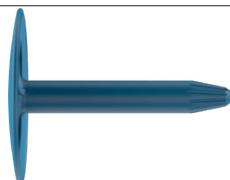
Sleeve type	Sleeve length	TIA-T25-6,3×70 Clamping length CL		TIA-T25-6,3×90 Clamping length CL		TIA-T25-6,3×120 Clamping length CL		TIA-T25-6,3×150 Clamping length CL	
		min.	max.	min.	max.	min.	max.	min.	max.
RP50n, RP75n	40	60	65	80	85	110	115	140	145
	60	70	85	80	105	110	135	140	165
	80	90	105	90	125	110	155	140	185
	90	100	115	100	135	110	165	140	195
	100	110	125	110	145	110	175	140	205
	120	130	145	130	165	130	195	140	225
	135	145	160	145	180	145	210	145	240
	150	160	175	160	195	160	225	160	255
	180	190	205	190	225	190	255	190	285
	210	220	235	220	255	220	285	220	315
	240	250	265	250	285	250	315	250	345
	270	280	295	280	315	280	345	280	375
	300	310	325	310	345	310	375	310	405
	330	340	355	340	375	340	405	340	435

Combination table

Sleeve type	Sleeve length	TIA-T25-6,3x70 Clamping length CL		TIA-T25-6,3x90 Clamping length CL		TIA-T25-6,3x120 Clamping length CL		TIA-T25-6,3x150 Clamping length CL	
		min.	max.	min.	max.	min.	max.	min.	max.
RP50n	430	440	455	440	475	440	505	440	535
	530	540	555	540	575	540	605	540	635
	630	640	655	640	675	640	705	640	735
	730	740	755	740	775	740	805	740	835
FI-R-20n	40	65	70	85	90	115	120	145	150
	70	75	100	85	120	115	150	145	180
	100	105	130	105	150	115	180	145	210
	130	135	160	135	180	135	210	145	240
	160	165	190	165	210	165	240	165	270
	190	195	220	195	240	195	270	195	300
	230	235	260	235	280	235	310	235	340
	270	275	300	275	320	275	350	275	380
	330	335	360	335	380	335	410	335	440
	430	435	460	435	480	435	510	435	540
	530	535	560	535	580	535	610	535	640
	630	635	660	635	680	635	710	635	740
	730	735	760	735	780	735	810	735	840

All measures in mm

Products to combine with

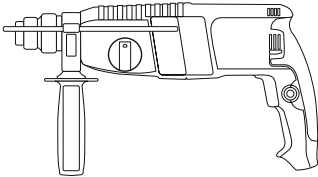
Product Code	Description	
RP50n	Sleeve for waterproof membrane and insulation securement. For seam fastening application. For use with installation tool IT260 and for manual installation.	
RP75n	Sleeve for insulation securement.	
TPA50n	Sleeve for waterproof membrane and insulation securement. For seam fastening applications.	
FI-R-20n	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-EXT100	Drive bar extension, length 100 mm	
T25-32-M6	Insert bit with T25 drive	
T25-32-M6-RINGn	Insert bit with T25 drive and ring to hold sleeves RP48n, RP50n, RP75n onto bit	
ZH-12-RING	Adapter to hold sleeve FI-R-20n and TPA50n onto drive bar	
AJ-M6	Bit for 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 ≤ 2,5 J	
Screwing in	Power screwdriver • 300–700 rpm • Min. 500 W Battery tool • 300–700 rpm • Min. 18 V • Battery with min. 2,5 Ah Do not use impact driver	