

Sayta Group (Europe) SATRA

Sayfa Group (Europe) Ltd **Technical Report**

SPC4684F4T4

WORK REQUESTED

SPC4684F4T4

Samples of anchor device, described as "FST.079.081.6000.3U FallSecure Track", were received by SATRA on the 27th October 2023, for testing in accordance with CEN/TS 16415:2013 type D

CONCLUSIONS

CONCLUSIONS	SpC4684	Qr.	
SAMPLE REFERENCE	STANDARD	CLAUSE / PROPERTY	PASS / FAIL
FST.079.081.6000.3U	CEN/TS 16415:2013 type D	4.1 General	Not assessed
		4.2 Specific requirements – type D	PASS

TESTING

Testing was carried out in accordance with CEN/TS 16415:2013 on the 27th October 2023

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The anchor device is intended as a type D (Rail system) device

The system allows up to a maximum of 3 users to be attached simultaneously

Sayfa Group (Europe) Ltd For the purposes of testing, the anchor device was installed onto concrete, with test forces applied in a horizontal direction

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in individual test clauses Sayfa Group (Europe) Ltd

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(Europe) Ltd **TEST RESULTS**

Or CA684FATA

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Sayfa Group (Eu Table 1 – Testing of anchor device described as "FST.079.081.6000.3U FallSecure Track" in accordance with CEN/TS 16415: 2013 as a type D device

2013 CLAUSE / TEST	CEN/TS 16415: 2013 REQUIREMENT	RESULT / COMMENT	PASS / FAIL
4.1 General	Anchor devices intended for use by more than one person simultaneously shall conform to EN 795: 2012	Not assessed	Not assessed
4.2.5.1 Specific requirements – Type D anchor dynamic strength & integrity test	When tested dynamically with a rigid steel mass of 200 kg (2 users), the test mass shall be arrested. A further dynamic test shall be carried out on the same system in accordance with EN 795: 2012, for each additional user claimed. The tests masses, or an equivalent force shall be applied to the line to simulate the number of users already fallen. The anchor must then hold an increased mass of 600kg (2 users) + 150kg for each additional user for 3 minutes	Test 1 – Position: Centre of span 2 users 200 kg test mass arrested Peak arrest force: 10.6kN Deflection of anchor: 54mm Horizontal displacement of anchor: 61mm 3 rd user (200kg applied statically to anchor) 100kg test mass arrested Peak arrest force: 8.5kN Deflection of anchor: 48mm Horizontal displacement of anchor: 85mm	PASS
² C ₄ 684F4T4	^{fa} Group (Europe) Ltd	The force was then increased to 750kg and sustained for 3 minutes without failure Test 2 – Position: End of span 2 users 200 kg test mass arrested	ope) Lta Spc_
Sayfa Group	SPC4684F4TA	Peak arrest force: 12.1kN Deflection of anchor: 7mm Horizontal displacement of anchor: 36mm 3 rd user (200kg applied statically to anchor) 100kg test mass arrested	PASS
Ta Group (Euro	SpC460 Sayra	Peak arrest force: 11.2kN Deflection of anchor: 12mm Horizontal displacement of anchor: 202mm The force was then increased to 750kg and sustained for 3 minutes without failure	584F4T4
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CEN/TS 16415: 2013 CLAUSE / TEST	EN 795: 2012 REQUIREMENT	RESULT / COMMENT	PASS / FAIL
4.2.5.2 Specific requirements – Type D anchor	 With the mobile anchor point: Immediately adjacent to an extremity anchor 	Mobile anchor position: Centre of span 14kN sustained for 3 minutes without failure	4T4
static strength test	 On an intermediate anchor On a corner anchor On an entry/exit line fitting and on a joint in the rigid anchor line 	See note 2	PASS Sayla
Sp	Where these are part of the anchor device, the anchor including all load bearing elements shall hold a load of	Mobile anchor position: End of span 14kN sustained for 3 minutes without failure	
ope) Ltd	12kN + 1kN for each additional user claimed, for 3 minutes. For non-metallic elements the static load shall be 18kN + 1kN for each additional user claimed	See note 2 SpC4684F4T	PASS

ADDITIONAL INFORMATION / NOTES

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SATRA

Table 2 – Additional uncertainty of measurement information

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CLAUSE	TEST / COMPONENT	Y	UoM	TP (E)
Specific requirements – Type D anchor So	Applied Force		+50N	urope)
deformation test				L[d]
Specific requirements –	Un .Co		0	
Type D anchor dynamic	Length Measured		±40mm	
strength & integrity test	Urop	×684	Gra	
Specific requirements –	~) / * .	TAT.	up co	Sp
Type D anchor static	Applied Force	4	±50N	C_{46}
strength test			**C	p_{0}
0.5				

Note 1 - Estimated uncertainty of measurement applied at point of test (e.g. to applied force or to tolerance limits) to ensure product meets requirements of the standard

Note 2 - Static strength testing carried out by manually increasing loading, therefore rate of stressing / crosshead velocity as per EN 364: 1992 Clauses 4.1.2.1 & 4.1.2.2 cannot be accurately determined (see VG11 recommendation for use sheet CNB/P/11.023 dated 25.10.2007 Sayfa Group (Europe) Ltd

* * END OF REPORT

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When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

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