

TRUTEK TFCS - CONCRETE FRAME SCREW



Features:

- Through fixing
- Rapid installation
- Hardened steel with min 5µm zinc plating

Screw material:

The screw is made of galvanized steel, carbon, up to 5µm.

Advantages:

- Quick and simple installation
- One anchor for concrete and block
- Easily removable for use with temporary structures
- Class A1 Fire Resistant

Substrate material:

Concrete, aerated concrete, solid brick, checker brick, Porotherm block, solid and hollow silicate brick

Method of marking TFCS screws

Symbol	Screw diameter d [mm]	Screw length L [mm]
TFCS7550	7.5	50

INSTALLATION DATA

Product Code	Thread Diameter	Anchor Length	Maximum Fixture Thickness	Drill Hole Diameter	Minimum Drill Hole Depth	Embedment Depth	Fixture Clearance Hole	Head Diameter	Drive
	d	L	t _{fix}	d _o	h ₁	h _{nom}	d _f		
	mm	mm	mm	mm	mm	mm	mm	mm	
TFC75050	7.5	50	-	6	60	50	8	12	T30
TFC75060		60	10						
TFC75070		70	20						
TFC75080		80	30						
TFC75090		90	40						
TFC75100		100	50						
TFC75110		110	60						
TFC75120		120	70						
TFC75130		130	80						
TFC75150		150	100						
TFC75180		180	130						
TFC75200		200	150						

LOAD DATA

	Concrete			L.Brick
Characteristic Resistance	F _{Rk}	kN	3.5	3.13
Design Resistance	F _{Rd}	kN	1.75	1.57
Recommended Resistance*	F _{rec}	kN	1.25	1.12

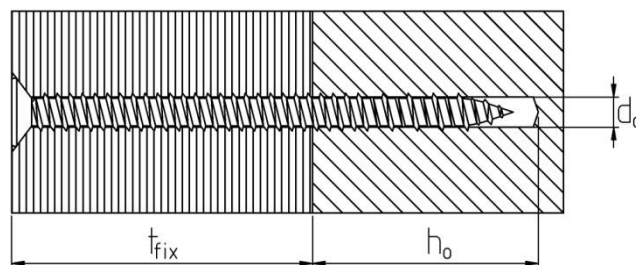
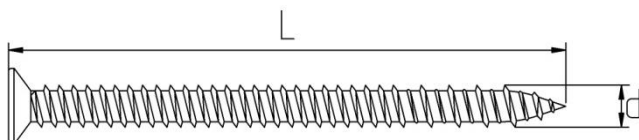
*Includes Partial Safety Factor $\gamma = 1.4$ in the absence of national regulations and type of loading Data is for Static and Quasi Static Loads for a single anchor

SPACING & DISTANCE

Recommended Spacing	S _{rec}	mm	150
Recommended Edge Distance	C _{rec}	mm	100
Minimum Spacing	S _{min}	mm	50
Minimum Edge Distance	C _{min}	mm	50

For Brickwork, only 1 fixing per brick is recommended for full loading.

Installation diagram of TFCS anchors



Installation diagram for TFCS anchors

