

MECHANICAL ANCHORS

TAB ROD HANGER

Features:

- Through fixing
- Suitable for redundant non-structural systems
- Rapid installation
- Hardened steel with min 5µm zinc plating

Benefits:

- Quick and simple installation
- One anchor for concrete from C20/25 to C50/60
- Suitable for precast pre-stressed hollow core planks
- Adjustable fixture thickness
- Easily removable for use with temporary structures



Product Range

TAB Rod Hanger

Product Code	Thread Diameter	Anchor Length	Drill Hole Diameter	Drill H Dep		Embedment Depth		Head Drive	Socket Diameter
	d	L	d _o	h	1	h _{nom}			d _o
	mm	mm	mm	m	m	mm			mm
TAB635810	8	35	6	45	65	35	55	13mm A/F	8/10
TAB655810	8	55		-				-	-,
TAB6358	8	35	6	45	65	35	55	13mm A/F	8
TAB6558	ŏ	55	-					,	-
TAB63538	- 8	35	6	45	65	35	35 55	55 13mm A/F	3/8"
TAB65538		55							-/0

Installation Data - Concrete

Anchor Diameter				M6	
Nominal Embedment Depth	h _{nom}	[mm]	35	55	
Effective Embedment Depth	h _{ef}	[mm]	25	41	
Drill Hole Depth	h ₁ ≤	[mm]	45	65	
Minimum Concrete Thickness	h _{min}	[mm]	80	80	
Minimum Spacing	S _{min}	[mm]	200	200	
Minimum Edge Distance	C _{min}	[mm]	100	125	
Maximum Installation Torque	T _{inst}	[Nm]	10		

Installation Data - Hollow Concrete Slabs

Anchor Diameter			M6		
Nominal Embedment Depth	h _{nom}	[mm]	35		
Effective Embedment Depth	h _{ef}	[mm]	25		
Minimum Concrete Thickness	h _{min}	[mm]	-		
Minimum Spacing	S _{min}	[mm]	200		
Minimum Edge Distance	C _{min}	[mm]	100		
Maximum Installation Torque	T _{inst}	[Nm]	6		
For location in hollow core concrete slabs refer to FTA					

For location in hollow core concrete slabs refer to ETA

Characteristics Resistance

Anchor Diameter			M6		
Pre-stressed	•				
F _{Rk}	Load in any direction	Load in any direction [kN]			
M ⁰ _{Rk,s}	Shear with lever arm	Shear with lever arm [Nm]			
Design Resistance					
Anchor Diameter			M6		
Pre-stressed					
F _{Rd}	Load in any direction	[kN]	2.8		
M ⁰ _{Rd,s}	Shear with lever arm	[Nm]	8.06		
Recommended Resistance					
Anchor Diameter			M6		
Pre-stressed hollow concrete slabs					
F _{rec}	Load in any direction	[kN]	2.0		
M ⁰ _{Rec.s}	Shear with lever arm	[Nm]	5.8		

Load Data Characteristics Resistance

characteristics nesistance						
Anchor Diameter			M6			
Cracked and Non-Cracked Concrete						
F _{Rk}	Load in any direction	[kN]	4.0	4.5		
M ⁰ _{Rk,s}	Shear with lever arm	[Nm]	12.09	12.09		
Design Resistance						
Anchor Diameter			M6			
Non-Cracked Concrete						
F _{Rd}	Load in any direction	[kN]	1.9	2.5		
M ⁰ _{Rd,s}	Shear with lever arm	[Nm]	8.06	8.06		
Recommended Resistance						
Anchor Diameter			M6			
Non-Cracked Concrete						
F _{rec}	Load in any direction	[kN]	1.4	1.8		
M ⁰ _{Rec,s}	Shear with lever arm	[Nm]	5.8	5.8		

Includes Partial Safety Factor y = 1.4 in the absence of national regulations and type of loading Data is for Static and Quasi Static Loads.



Fire Exposure

Characteristic for Loads in all directions

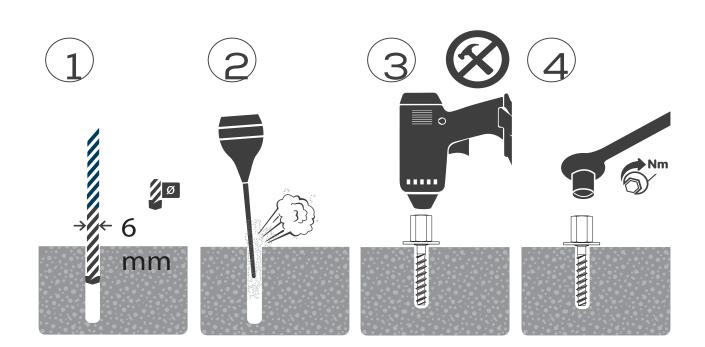
Concrete solid material ≥ C20/25 and Pre-stressed hollow core slabs with a wall thickness ≥ 35 mm

Nominal Embedment Depth	h _{nom}	[mm]	35	55
Characteristic fire resistance (R30)	F ⁰ _{Rk,fi(30)}	[kN]	[kN] 0.15	
Characteristic fire resistance (R60)	F ⁰ _{Rk,fi(60)}	[kN]	[kN] 0.14	
Characteristic fire resistance (R90)	F ⁰ _{Rk,fi(90)}	[kN]	0.:	11
Characteristic fire resistance (R120)	F ⁰ _{Rk,fi(120)}	[kN]	0.0	08
Characteristic bending moment (R30)	M ⁰ _{Rk,s,fi(30)}	[Nm]	0.:	14
Characteristic bending moment (R60)	M ⁰ _{Rk,s,fi(60)}	[Nm]	0.:	13
Characteristic bending moment (R90)	M ⁰ _{Rk,s,fi(90)}	[Nm]	0.:	10
Characteristic bending moment (R120)	M ⁰ _{Rk,s,fi(120)}	[Nm]	0.0)7

Trutek Impact Sockets available for all diameters



In the case of fire attack from more than one side, the edge distance must be ≥ 300 mm



www.trutekfixings.co.uk e-mail: sales@trutekfixings.co.uk