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

ETA 25/0178

Concrete Ranges:	C20/C25 according to EN 206:2013+A1:2016
Certification:	ETA 25/0178

Product Range

TAB Rod Hanger

Product Code	Thread Diameter	Anchor Length	Drill Hole Diameter	Drill Hole Depth		Embedment Depth		Head Drive	Socket Diameter
	d	L	d_o	h_1		h_{nom}			d_o
	mm	mm	mm	mm		mm			mm
TAB635810	8	35	6	45	65	35	55	13mm A/F	8/10
TAB655810		55							
TAB6358	8	35	6	45	65	35	55	13mm A/F	8
TAB6558		55							
TAB63538	8	35	6	45	65	35	55	13mm A/F	3/8"
TAB65538		55							

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	$h_1 \leq$	[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 ETA

Load Data

Characteristics Resistance

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

Characteristics Resistance

Anchor Diameter			M6
Pre-stressed hollow concrete slabs			
F_{Rk}	Load in any direction	[kN]	5.0
$M^0_{Rk,s}$	Shear with lever arm	[Nm]	12.09

Design Resistance

Anchor Diameter			M6
Pre-stressed hollow concrete slabs			
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

Includes Partial Safety Factor γ = 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]	0.15	
Characteristic fire resistance (R60)	$F^{0}_{Rk,fi(60)}$	[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]	0.08	
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]	0.07	

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

Trutek Impact Sockets available for all diameters