

TRUTEK TWH – SEGMENT ANCHOR WITH EYE

Usage:

- fixing hangers to suspended ceilings
- fastening hook slings, chains, lamps, slings of air-conditioning and sanitary installations
- electrical fasteners

Advantages:

- small hole diameter
- simple and quick assembly
- The end cap allows multiple assembly and disassembly of slings



Anchor Material:

The anchor is made of galvanized steel grade carbon steel up to 5µm.

Substrate material:

concrete min. C20 / 25

Marking method for anchors TWH

Trutek Throughbolt	Thread Sized [mm]	Anchor length L [mm]
TWH	06	055

Technical parameters of the anchor TWH

Product Code	Anchor diameter	Hole Dia in the ground	Min. hole depth	Effective anchorage depth	Min. substrate thickness	Mesh diameter	Anchor length
	d [mm]	d _o [mm]	h _i [mm]	h _{ef} [mm]	h _{min} [mm]	d _f [mm]	L [mm]
TWH06055	6	6	50	40	100	6,5	55

Design resistance of TWH anchors in concrete, class min. C20/25*

Connector designation	TWH06055
Effective anchoring depth h _{ef} [mm]	40
Pull-out capacity N _{Rd} [kN] - uncracked concrete	1,0
Pull-out capacity N _{Rd} [kN] - cracked concrete	1,0
Pull-out capacity V _{Rd} [kN] - uncracked concrete	1,45
Pull-out capacity V _{Rd} [kN] - cracked concrete	0,55
Anchor spacing S _{cr,N} [mm]	120
Distance from the edge C _{cr,N} [mm]	100

Design strength of individual TWH anchors in concrete of class C20 / 25 in the event of fire



Connector designation	TWH06055
Effective anchoring depth h _{ef} [mm]	40
Pull-out capacity R30 N _{Rd} [kN]	0,2
Pull-out capacity R60 N _{Rd} [kN]	0,2
Pull-out capacity R90 N _{Rd} [kN]	0,1
Pull-out capacity R120 N _{Rd} [kN]	0,1
Anchor spacing S _{cr,fi} [mm]	160
Distance from the edge C _{cr,fi} [mm]	100

Installation diagram of TWH anchors

