



TRUTEK TWH – SEGMENT ANCHOR WITH EYE

Usage:

- fixing hangers to suspended ceilings
- fastening hook slings, chains, lamps, slings of airconditioning 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 ₁ [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*

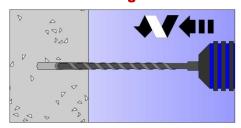
| Connector designation | TWH06055 | |
|---|----------|--|
| Effective anchoring depth hef [mm] | 40 | |
| Pull-out capacity N _{Rd} [kN] - uncracked concrete | 1,0 | |
| Pull-out capacity N _{Rd} [kN] - cracked concrete | 1,0 | |
| Pull-out capacity V _{Rd} [kN] - uncracked concrete | 1,45 | |
| Pull-out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

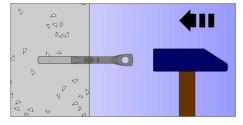
Design strength of individual TWH anchors in concrete of class C20 $\!\!/$ 25 in the event of fire

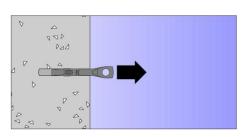


| Connector designation | TWH06055 |
|--|----------|
| Effective anchoring depth hef [mm] | 40 |
| Pull-out capacity R30 N _{Rd} [kN] | 0,2 |
| Pull-out capacity R60 N _{Rd} [kN] | 0,2 |
| Pull-out capacity R90 N _{Rd} [kN] | 0,1 |
| Pull-out capacity R120 N _{Rd} [kN] | 0,1 |
| Anchor spacing S _{cr,fi}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

Installation diagram of TWH anchors







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