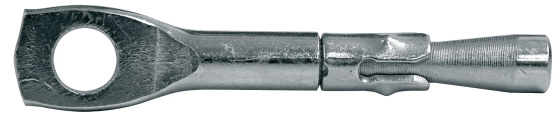


## TRUTEK TWH – ZINC PLATED SEGMENT WITH EYELET



### 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:

Uncracked and cracked concrete min. C20 / 25

| Method for determining TWH anchors |                    |                      |
|------------------------------------|--------------------|----------------------|
| Trutek Throughbolt                 | Thread Size d [mm] | Anchor length L [mm] |
| TWH                                | 06                 | 055                  |



ETAG 001  
Option 1 for  
cracked concrete



### Technical parameters of the TWH anchor

| Product code | Anchor diameter | Hole diameter in base material | Min. głębokość otworu | Effective anchorage depth | Min. substrate thickness | Mesh diameter       | Anchor length |
|--------------|-----------------|--------------------------------|-----------------------|---------------------------|--------------------------|---------------------|---------------|
|              | d [mm]          | d <sub>o</sub> [mm]            | h <sub>i</sub> [mm]   | h <sub>ef</sub> [mm]      | h <sub>min</sub> [mm]    | d <sub>f</sub> [mm] | L [mm]        |
| TWH06055     | 6               | 6                              | 50                    | 40                        | 100                      | 6,5                 | 55            |

### Design resistance of TWH anchors in cracked and non-cracked concrete, class min. C20/25\*

| Technical data:                                     | TWH06055 |
|---|----------|
| Effective anchoring depth h <sub>ef</sub> [mm]      | 40       |
| Tensile load capacity NRd [kN] - uncracked concrete | 1,0      |
| Tensile load capacity NRd [kN] - cracked concrete   | 1,0      |
| Shear load capacity VRd [kN] - non-cracked concrete | 1,45     |
| Shear load capacity VRd [kN] - cracked concrete     | 0,55     |
| Anchor spacing Scr, N [mm]                          | 120      |
| Distance from the edge Ccr, N [mm]                  | 100      |

\* all technical approval AT-15-7728 / 2016 should be taken into account when designing

### Design strength of individual TWH anchors in cracked and non-cracked concrete of class C20 / 25 in the event of fire \*



| Technical data:                                | TWH06055 |
|--|----------|
| Effective anchoring depth h <sub>ef</sub> [mm] | 40       |
| Pull capacity R30 NRd [kN]                     | 0,2      |
| Pull capacity R60 NRd [kN]                     | 0,2      |
| Pull capacity R90 NRd [kN]                     | 0,1      |
| Pull capacity R120 NRd [kN]                    | 0,1      |
| Anchor spacing Scr, fi [mm]                    | 160      |
| Distance from the edge Ccr, fi [mm]            | 100      |

\* all technical approval AT-15-7728 / 2016 should be taken into account when designing

### Installation diagram of TWH anchors

