

07.1

W-HD Hollow- Ceiling Anchor

steel, galvanised



Proof of performance

Approvals	Test reports
Hollow prestressed concrete plate ceilings	Fire resistance Technical Report TR 020 R30-R120

1. Applications

- Special fastener for anchoring in hollow prestressed concrete plate ceilings
- The hollow ceiling anchor may be used in hollow prestressed concrete plate ceilings of strength class C50/60 pursuant to DIN EN 206-1:2001-07 or B55 pursuant to DIN 1045:1988-07 with a general construction permit
- The anchor may be used as an individual anchor and as a multiple fastener for the anchoring of light ceiling coverings and joist constructions pursuant to DIN 18168-1:1981-10 in hollow prestressed concrete ceilings and for statically comparable anchoring up to 1.0 kN/m²
- Anchoring is only permissible in hollow prestressed concrete plate ceilings with a hollow space width that does not exceed 4.2 times the web width ($b_H \leq 4.2 \times b_{SI}$)
- W-HD may be used in dry interior rooms, e.g. flats, offices, schools, hospitals and sales rooms

- Suitable for attaching metal structures, metal profiles, cable conduits, pipes, ventilation lines, suspended ceilings etc.

2. Advantages

- Screws or threaded rods can be used
- The anchor may also be mounted to the prestressed strand outside the hollow-space axis up to 50 mm → maximum flexibility
- Fastening to just about any part of the hollow plate ceiling
- Suitable for hollow spaces and solid zones of hollow prestressed concrete plate ceilings
- Quick and easy installation – no special tools needed
- Can be loaded immediately – no wait time

3. Properties

- Anchoring in hollow prestressed concrete plate ceilings via positive locking
- The cone is separated from the expansion sleeve when the screw or hex nut is tightened. – **Important: At least three screw/nut rotations are required.** By applying the installation torque, the cone is pulled into the expansion sleeve and expands it
- Anchoring in solid materials via friction engaging (the sleeve expands against the wall of the drilled hole)
- General construction permit Z-21.1-1832, dimensioning pursuant to permit Z-21.1-1832
- Fire resistance (anchoring base: concrete C50/60): **R30, R60, R90, R120**: based on Technical Report TR 020 (Fire Protection Test Report No. (3526/3426))

Setting instructions

