

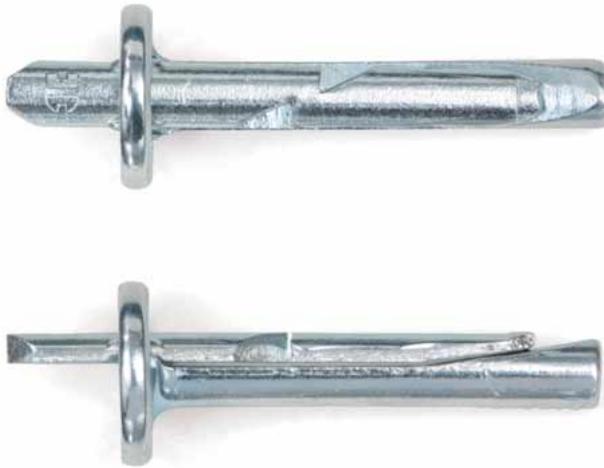
W-DN CEILING NAIL

33.1

Multiple attachment of non-load-bearing systems:

Cracked and uncracked concrete

Galvanized steel



Performance facts

Approvals

European Technical Approval
Multiple attachment of non-load-bearing systems in concrete

Fire resistance
Technical Report TR 020 R30-R120



1. Applications

- Multiple attachment of non-load-bearing systems: Anchorage with European Technical Approval in cracked concrete (concrete tensile zone) and in uncracked concrete (concrete pressure zone)
- **Suitable for fastening:** Light ceiling cladding and suspended ceilings, metal profiles, perforated metal tapes, wire suspension brackets, Nonius hangers, wood moldings, wood laths, squared lumber etc.
- With European Technical Approval, the anchor may be used in reinforced or non-reinforced standard concrete of a strength class of at least C20/25 and at most C50/60 in accordance with EN 206-1:2000-12
- The anchor may be used for anchoring under primarily static loads or quasi-static loads
- W-DN (galvanized steel) may only be used in the conditions of **dry inside rooms**

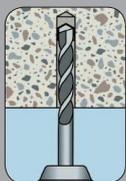
2. Advantages

- Through-bolt mounting
- Low drilled hole depth
- Small drilled hole diameter
- Can be loaded immediately - no waiting times
- Easy setting: Knock in projecting pin with hammer until flush
- No special drilling or setting tools required

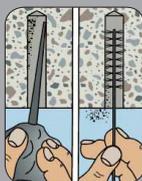
3. Features

- Anchoring via friction engagement - path-controlled spreading anchor
- Approval:
Multiple attachment of non-load-bearing systems in concrete:
European Technical Approval ETA-12/0029
- Dimensioned in accordance with the "Guideline for European Technical Approval (ETAG) of Metal Anchors for Use in Concrete", Appendix C, Measurement Process C
- Fire resistance:
R30, R60, R90, R120 (anchoring base concrete C20/25 to C50/60): Technical Report TR 020 "Evaluation of Anchorages in Concrete with Regard to Fire Resistance" (contained in ETA-12/0029)

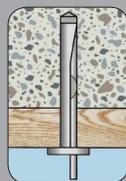
Setting instructions



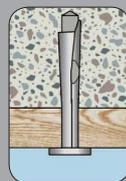
Drill hole



Clean drilled hole



Insert anchor through component



Knock in pin until flush