11.2

W-FA/A4 W-FA/HCR M6 Fixing Anchor

Individual attachment:
Uncracked concrete

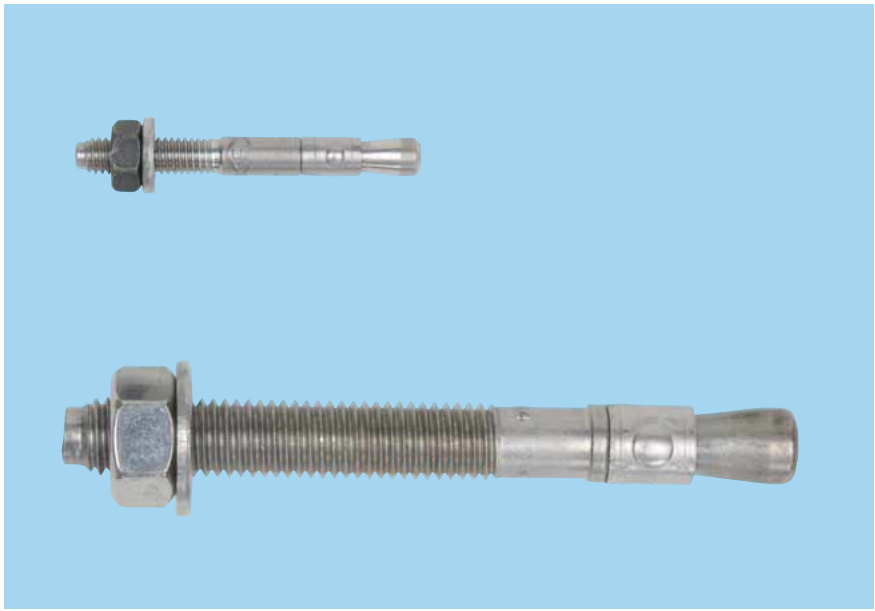
Multiple attachment: Anchoring of light ceiling coverings and joist constructions,
cracked and uncracked concrete

W-FA/A4, Stainless steel A4

W-FA/HCR M6
(via special order)
Highly corrosion-resistant steel (1.4529)

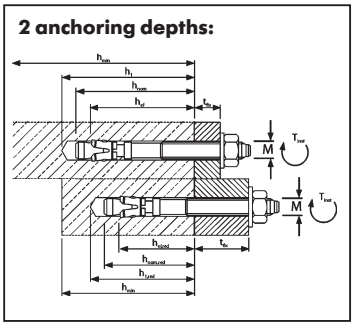
For W-FA/S Fixing Anchor, see 11.1

For W-FA/hot-galvanized Fixing Anchor, see 11.1

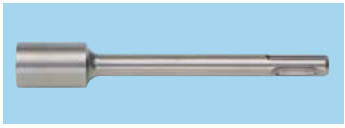


Proof of Performance

Approvals				Test Reports
European Technical Approval Option 7 for uncracked concrete	**European Technical Approval** Multiple attachment of non load-bearing systems in concrete	**Ceiling** Suspended ceiling and statically comparable attachments	**Fire-resistance** Technical Report TR 020 R30-R120	**Fire-resistance** Direct effect of flames
ETA	ETA	Z-21.1-1598 ÜBERWACHT		



Machine Setting Tool for Fixing Anchor (W-FA/W-FAZ) M8 – M16



Art. No. 0904 908 016
For details, see separate product information

1. Applications

- Can be used for medium to heavy loads
- **Suitable for fastening:** Metal structures, metal profiles, brackets, foot plates, supports, cable conduits, piping, wooden structures, beams, purlins, etc.
- With European Technical Approval, the anchor can be used in reinforced or non-reinforced standard concrete of a strength class of at least C20/25 and at most C50/60.
- Can be used in concrete <C20/25 and pressure-resistant natural stone (without approval)
- The anchor may be used for anchorage with primarily static loads or quasi-static loads
- **Individual attachment:** Anchoring with European Technical Approval **in uncracked concrete** (concrete pressure zone)
- **Multiple attachment:** Anchoring of non-load-bearing systems with European technical Approval in cracked and uncracked concrete
- **Suspended ceiling:** Anchoring with general construction permit for suspended ceilings and statically comparable attachments (up to a maximum of 1 kN/m²)
- **W-FA/A4** (stainless steel A4) may be used **in dry indoor rooms, outdoors** (including industrial atmosphere and near the sea) **or in humid rooms** if no especially aggressive conditions exist
- **W-FA/HCR M6** (HCR highly corrosion-resistant steel) may be used **in areas with extremely high corrosion loading** (e.g. indoor pool atmosphere, street tunnels, poorly ventilated car parcs or parts in seawater and in marine atmosphere).

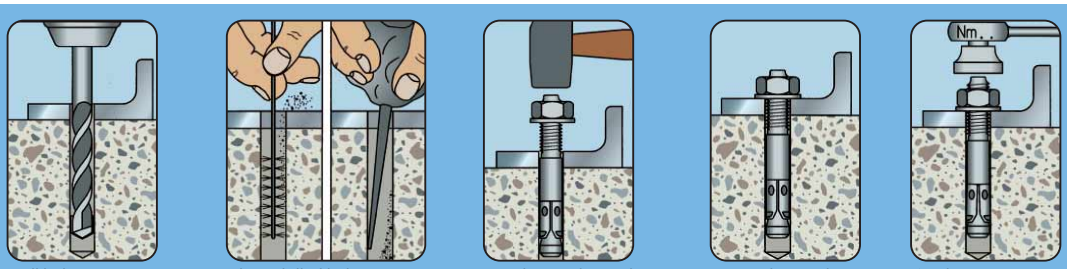
2. Advantages

- High loads, small axle bases and edge clearances
- Time-saving through-bolt mounting
- **Two anchoring depths → Flexible use for medium and heavy loads**
- Can be loaded immediately – no waiting times
- Reliable installation due to application of prescribed torque during anchoring

3. Features

- Force-controlled/torque-controlled spreading anchor made of stainless steel A4 and HCR highly corrosion-resistant steel
- Approvals:
  ETA-05/0019 for individual attachment
  Option 7, uncracked concrete; stainless steel A4: M6 – M20
  ETA-06/0162 for multiple attachment of non-load-bearing systems
  Uncracked or cracked concrete; stainless steel A4: M6;
  fire resistance in accordance with TR 020 R30 – R120
  ETA-06/0235 for multiple attachment of non-load-bearing systems
  Uncracked or cracked concrete; HCR highly corrosion-resistant steel (1.4529/1.4565): M6;
  fire resistance in accordance with TR 020 R30 – R120
  Z-21.1-1598 for suspended ceilings
  Uncracked or cracked concrete; stainless steel A4: M6 – M10
- Fire resistance: W-FA/A4, W-FA/HCR (M6 – M20) F30, F60, F90, F120;
  fire stress according to DIN 4102-02:1977-09 (ETK – Einheits-Temperaturzeitkurve (standard temperature-time curve))
- Fire resistance: W-FA/HCR (M6) fire stress in accordance with ZTV-ING Part 5 (ETK-Tunnel-Brandraumkurve (Tunnel Fire Compartment Curve))

Setting instructions



Drill hole | Clean drilled hole | Knock in anchor with mason's mallet or machine setting tool | Set anchor in place | Apply torque