

# W-FA/A4 & W-FA/HCR M6 FIXING ANCHORS

11.2



### Individual attachment:

Uncracked concrete

### Multiple attachment:

Cracked and uncracked concrete, M6

**W-FA/A4**, A4 stainless steel

**W-FA/HCR M6**  
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	
<b>European Technical Approval</b> Option 7 for uncracked concrete	<b>European Technical Approval</b> Multiple attachment of non-load-bearing systems in concrete	<b>Fire resistance technical report TR 020 R30 – R120</b>	<b>Fire resistance</b> Direct flame effect

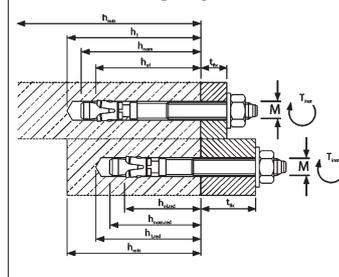
### 1. Areas of use

- **Individual attachment:** Normal concrete C20/25 to C50/60 (uncracked concrete)
- **Multiple attachment:** Anchoring of non-load-bearing systems (M6, cracked and uncracked concrete)
- Suitable for fastening metal structures, metal profiles, brackets, foot plates, supports, cable conduits, pipes, wood structures, beams, etc.
- For use in concrete < C20/25 and pressure-resistant natural brick (without approval)
- **W-FA/A4** (A4 stainless steel) 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** (highly corrosion-resistant steel HCR) may be used in **areas with very high corrosion stress** (e.g. indoor pool atmosphere, street tunnels, poorly ventilated parking garages or parts in seawater and in a marine atmosphere)

### 2. Advantages

- Time-saving through-bolt mounting
- Can be loaded immediately – no waiting
- **Two anchoring depths** → **Versatile in use**

### Two anchoring depths:



### Machine Setting Tool for fixing anchors (W-FA/W-FAZ) M8 – M16



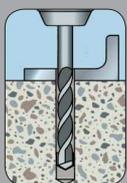
### Art. No. 0904 908 016

For details, see separate product information

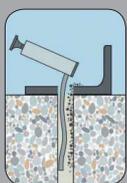
### 3. Features

- Torque-controlled expanding anchors made of A4 stainless steel and HCR highly corrosion-resistant steel
- Approvals:
  - **ETA-02/0001 for individual attachment**  
Option 7, uncracked concrete, A4 stainless steel
  - **ETA-06/0162 for multiple attachment of non-load-bearing systems**  
Uncracked and cracked concrete, A4 stainless steel and HCR highly corrosion-resistant steel (M6)
- Fire resistance: W-FA/A4, W-FA/HCR F30, F60, F90 and F120; fire load according to DIN 4102-2:1977-09 (ETK – Einheits-Temperaturzeitkurve (standard temperature time curve))  
Fire resistance: W-FA/A4, W-FA/HCR, M6 R30, R60, R90 and R120; TR020 (contained in ETA-06/0162)  
Fire resistance: W-FA/HCR (M6) fire load according to ZTV-ING Part 5 (ETK-Tunnel-Brandraumkurve (ETK tunnel fire space curve))

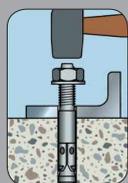
## Setting instructions



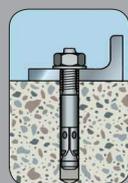
Drill the hole



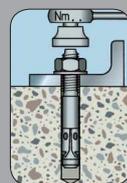
Clean the drilled hole



Knock in anchor with mason's mallet or machine setting tool



Set the anchor in place



Apply torque