

02.6

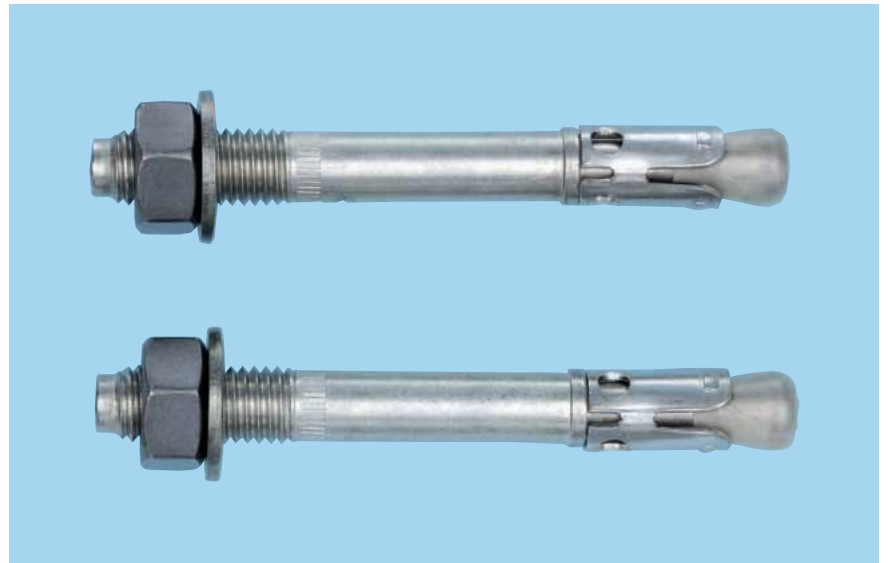
W-FAZ/A4 W-FAZ/HCR Fixing Anchor

Individual attachment:
cracked and uncracked concrete




W-FAZ/A4,
Stainless steel A4

W-FAZ/HCR (on special order)
Highly corrosion-resistant steel
(1.4529)

For W-FAZ/S Fixing Anchor,
see **02.5**



Proof of Performance

Approvals		Test Reports
<p>European Technical Approval</p> <p>Option 1 for cracked and uncracked concrete</p> 	<p>Fire resistance</p> <p>Technical Report TR 020 R30 - R120</p> 	<p>Fire resistance</p> <p>Direct effect of flames</p> 



**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 attaching:** Metal structures, metal profiles, brackets, foot plates, supports, cable conduits, piping, railings, wooden structures, beams, etc.
- With European Technical Approval, the anchor can be anchored 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 206:2000-12.
- For use 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:** Anchorage with European Technical Approval **in cracked concrete** (concrete tensile zone) and **in uncracked concrete** (concrete pressure zone)
- **W-FAZ/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-FAZ/HCR** (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 parks or parts in seawater and in marine atmosphere).

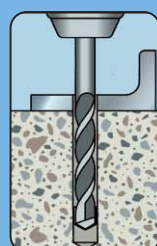
2. Advantages

- High loads, small axle bases and edge clearances
- Time-saving through-bolt mounting
- Can be loaded immediately – no waiting times
- **Fixed anchor cone with patented plastic coating facilitates reliable later expansion**
- Reliable installation due to application of prescribed torque during anchoring

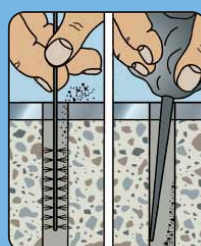
3. Features

- Force-controlled/torque-controlled expanding anchors made of stainless steel A4 and HCR highly corrosion-resistant steel in the sizes M8, M10, M12, M16 and M20
- Approvals:
ETA-99/0011 for individual attachment
Option 1, cracked and uncracked concrete, stainless steel A4 and HCR highly corrosion-resistant steel; dimensioned in accordance with the "Guideline for European Technical Approval (ETAG) for Anchoring Metal Anchors in Concrete", Appendix C, Measurement Process A
- Fire resistance: W-FAZ/A4, W-FAZ/HCR (M8 – M16) R30, R60, R90, R120
Technical Report TR020 (contained in ETA-99/0011)
Fire resistance: W-FAZ/A4, W-FAZ/HCR (M8 – M16) F30, F60, F90 and F120
fire stress according to DIN 4102-02:1977-09
(ETK–Einheits-Temperaturzeitkurve (standard temperature-time curve))
Fire resistance: W-FAZ/HCR (M8 – M16) fire stress in accordance with ZTV Tunnel-Brandraumkurve (Tunnel Fire Compartment Curve)

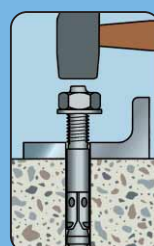
Setting instructions



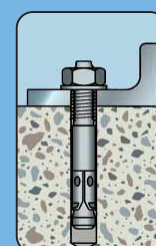
Drill hole



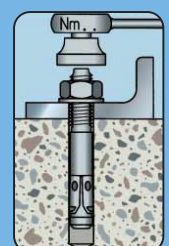
Clean drill hole



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



Set anchor in place



Apply torque