

# 02.5

## W-FAZ/S Fixing Anchor

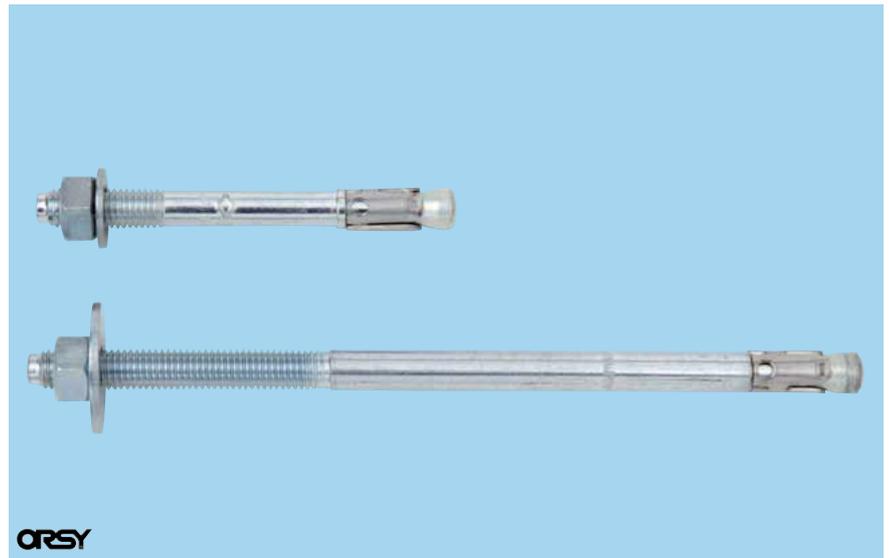
**Individual attachment:**  
cracked and uncracked concrete

**W-FAZ/S**, galvanized steel

**W-FAZ/S**, galvanized steel  
with large washer

For W-FAZ/A4 Fixing Anchor,  
see **02.6**

For W-FAZ/HCR Fixing Anchor,  
see **02.6**



ORSY

### Proof of Performance

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



**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, railings, wooden structures, beams, 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 in accordance with EN 206:2000-12.
- Can be used in < C20/25 concrete 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 cracked concrete** (concrete tensile zone) **and in uncracked concrete** (concrete pressure zone)
- W-FAZ/S may only be used under the conditions **of dry interior rooms**

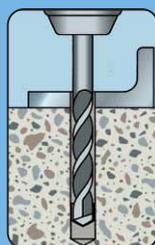
### 2. Advantages

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

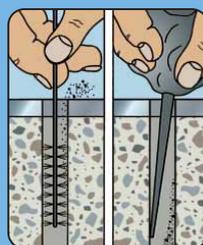
### 3. Features

- Force-controlled/torque controlled spreading anchor made of electrogalvanized steel in the sizes M8, M10, M12, M16, M20 and M24
- Approval:  
**ETA-03/0018 for individual attachment**  
Option 1, cracked and uncracked concrete, galvanized steel M8 – M24; 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/S (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/S (M8 – M24) R30, R60, R90, R120; Technical Report TR020 (contained in ETA-03/0018)

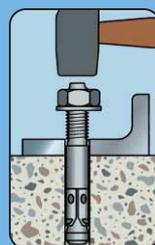
### Setting instructions



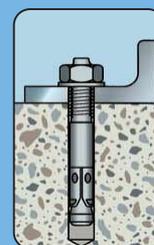
Drill hole



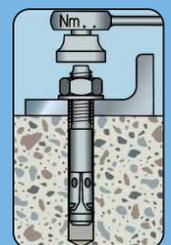
Clean drilled hole



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



Set anchor in place



Apply torque