

INJECTION SYSTEM W-VIZ/A4, W-VIZ/HCR WITH CHEMICAL INJECTION MORTAR WIT-VM 100/WIT-EXPRESS



23.2




Individual attachment:
Cracked and non-cracked concrete

W-VIZ/A4 Stainless steel A4

W-VIZ/HCR Highly corrosion-resistant steel (material no. 1.4529)

For the W-VIZ/S injection system, see 23.1

Proof of performance

Permissions	Test reports	Pass-through mounting (M10 to M24)
<p>European Technical Approval Option 1 for cracked and non-cracked concrete and seismic performance category C2</p> 	<p>Fire resistance Direct flame effect</p> 	 <p>Ring gap between anchor rod and attached part must be filled with WIT-VM 100 or WIT-EXPRESS mortar.</p>

Drill hole cleaning

Clean the drill hole: 2x blow-out, 2x mechanical brush-out, 2x blow-out
If the drill hole is M20 or larger, blow out with compressed air using the appropriate compressed air nozzles

2. Benefits

- Through-bolt and cotter-pin mounting
- Highest load-bearing capacity, low axial and edge clearance
- Shallow drilling hole depth with deep anchoring depth
- The drill holes can be produced by the hammer drilling process (M8 to M24) and diamond drilling process (M10 to M24)
- Hardened injection mortar largely seals off the drill hole
- Attachment with low expansion pressure allows small axial and edge clearances
- Geometry of anchor bar allows safe subsequent expansion performance
- Cartridge can be reused by replacing static mixer or by reclosing with sealing cap

3. Properties

- Torque-controlled expanding anchors made of stainless steel A4 and HCR highly corrosion resistant steel
- Approval: **ETA-04/0095 for individual attachment**
Option 1, cracked and non-cracked concrete, seismic performance category C2
- Fire resistance: F30, F60, F90 and F120
Exposure to fire according to DIN 4102-02: 1977-09 (uniform temperature curve)

1. Areas of application

- **Individual attachment:** Standard concrete C20/25 to C50/60 (cracked and non-cracked concrete)
- Suitable for fastening metal structures, metal profiles, brackets, base plates, supports, railings, wooden structures, beams etc.
- The temperature in the area surrounding the mortar must not exceed +50°C or +72°C, short term +80°C or +120°C
- W-VIZ/A4 (stainless steel A4) can be used in dry indoor areas, outdoors (including in industrial atmospheres and coastal areas) or in wet rooms
- W-VIZ/HCR (HCR high corrosion-resistant steel) can be used in particularly aggressive conditions. These conditions include, e.g. constant, changing immersion in salt water or within the splash zone of salt water, atmospheres containing chlorine in indoor swimming pools or atmospheres with extreme chemical contamination (e.g. flue-gas desulphurisation systems or road tunnels in which de-icing agents are used)

Setting instructions (cotter-pin mounting M8 to M24):

