

# W-VIZ-IG/S INJECTION SYSTEM

23.3

**With WIT-VM 100  
Injection Mortar**



**Individual fastening:**  
Cracked and uncracked concrete

### Galvanized steel

For use with the  
Application Gun, Art. No. 0891 003,  
or HandyMax®, Art. No. 0891 007.

For W-VIZ-IG/A4 injection system see **23.9**

\* HandyMax® is a registered trademark of the SORATON SA company.

## Proof of performance

### Approvals

**European Technical  
Approval  
Option 1  
for cracked and  
uncracked concrete**



### Drill hole cleaning:

• Clean drill hole:  
• Blow out 2x, brush out  
mechanically 2x, blow out 2x.  
For M16 or larger drill hole,  
blow out with compressed  
air using the appropriate  
compressed-air nozzles.

- The temperature in the area of mortaring may not exceed +50°C or +72°C, briefly +80°C or +120°C.
- For use in concrete < C20/25 and pressure-resistant natural stone (without approval).
- W-VIZ-IG/S (galvanized steel) can be used in dry indoor rooms.
- Suitable for fastening metal structures, metal profiles, brackets, foot plates, supports, railings, wood structures, beams etc.

### 2. Advantages

- Commonly available threaded rods and screws (for requirements, see ETA-04/0095) can be used.
- High load-bearing capacities
- Can be set flush with the surface: Attached parts can be removed/mounted again at any time.
- The injection anchor is suitable for use in cracked concrete (concrete tensile zone) and uncracked concrete (concrete pressure zone).
- 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.
- Mechanical drill hole cleaning: Easy handling, very good drill hole cleaning, high load-bearing capacities
- High temperature resistance (long-term up to +72°C, briefly up to +120°C)
- Cartridge can be reused by replacing static mixer or by re-closing with sealing cap.

### 3. Features

- Force-controlled/torque-controlled spreading anchor made of electrogalvanized steel in sizes M6, M8, M10, M12, M16 and M20
- Force is transferred via the mechanical teeth of individual cones in the composite mortar and also via a combination of retaining and friction forces in the anchoring base (concrete).
- Galvanized steel: European Technical Approval ETA-04/0095
- Dimensioned in accordance with the "Guideline for European Technical Approval (ETAG) of Metal Anchors for Use in Concrete," Appendix C, Measurement Process A.

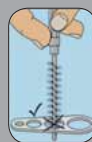
### 1. Applications

- Can be used for medium to heavy loads.
- With a European Technical Approval, the anchor may 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.
- Anchorage with European Technical Approval in cracked concrete (concrete tensile zone) and in uncracked concrete (concrete pressure zone)
- The anchor may be used for anchoring with primarily static loads (e.g. own weight, installations, support materials) or quasi-static loads (e.g. railings).
- Anchor sizes M6 to M8: Installation in dry or wet concrete
- Anchor sizes M10 through M20: Installation in dry or wet concrete and in drill holes filled with water

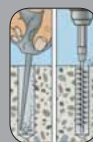
## Setting instructions



Drill the hole.



Check cleaning brush dia.



Clean drill hole (blow out 2x, brush out mechanically 2x, blow out 2x), with M16 and larger, blow out with compressed air (compressed-air nozzle).



Screw mixer onto cartridge.



Before use, press out approx. 10 cm bead. Do not use this initial mortar!



Fill composite mortar starting from base of drill hole.



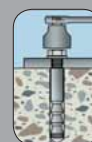
Push in female-thread anchor while turning slightly.



Carry out visual check and comply with composite mortar hardening time.



Remove extruded mortar and protective cap.



Install component; maximum torque may not be exceeded.