W-HAZ/A4 HIGH-PERFORMANCE ANCHOR

Individual attachment:
Cracked and uncracked concrete

W-HAZ-B/A4
with threaded bolt,
A4 stainless steel

W-HAZ-S/A4
with hexagon screw,
A4 stainless steel

W-HAZ-SK/A4
with countersunk screw,
A4 stainless steel

Proof of performance			
Approvals			**Test reports**
European Technical Approval Option 1 for cracked and uncracked concrete	**Fire resistance technical report TR 020 R 30 – R 120**	**M 8 – M 16**	**Fire resistance Direct flame effect**

1. Areas of use

- Can be used for 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 anchorages with primarily static loads (e.g. own weight, equipment, support materials) or quasi-static loads (e.g. facades, railings)
- For use in concrete < C20/25 and pressure-resistant natural brick (without approval)
- W-HAZ/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
- Suitable for fastening metal structures, metal profiles, brackets, foot plates, supports, cable conduits, pipes, railings, machines etc.

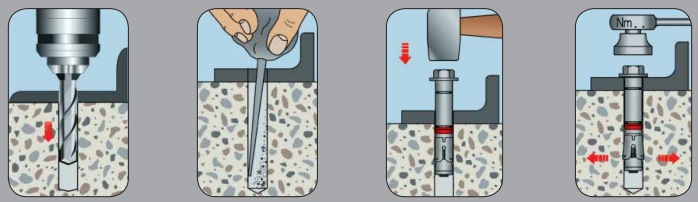
2. Advantages

- High loads, small axle and edge spacing
- Pass-through mounting
- Can be loaded immediately – no waiting
- Large range of types means a large range of applications
- Reliable mounting when the prescribed torque is applied when anchoring

3. Features

- Force-controlled/torque-controlled spreading anchor made of A4 stainless steel in sizes M8, M10, M12 and M16
- A4 stainless steel: European Technical Approval ETA-02/0030031 (option 1, cracked and uncracked concrete)
- Dimensioned in accordance with the "Guideline for European Technical Approval (ETAG) of Metal Anchors for Use in Concrete," Appendix C, measurement process A
- Fire resistance: **R30, R60, R90 and R120:** Technical Report TR020 "Assessment of anchoring in concrete with regard to fire resistance (included in ETA-02/0031)"

Setting instructions



Drill the hole | Clean the drilled hole | Set anchor in place. | Apply torque