

SHEAR-ANCHOR CARTRIDGE SYSTEM W-VD/A4, W-VD/HCR

21.2

Individual fastening: Uncracked concrete

W-VD/A4
Stainless steel A4

W-VD/HCR
Highly corrosion resistant steel
(Material number 1.4529 or 1.4565)



Shear-anchor cartridge system
W-VD/S see **21.1**

Proof of performance

Approvals	Test reports
European Technical Approval Option 8 for uncracked concrete	Fire resistance Direct flame effect

Drill hole cleaning
Clean drill hole: 1x blow-out, 1x brush-out, 1x blow-out, 1x brush-out

Installation instructions
Set anchor rod rotating + impacting with hammer drill or percussion drill.

1. Applications

- **Individual fastening:** Normal concrete C20/25 to C50/60 (uncracked concrete)
- Suitable for fastening metal structures, metal profiles, brackets, foot plates, supports, railings, wood structures, beams etc.
- For use in concrete < C20/25 and pressure-resistant natural stone (without approval)
- Installation in dry or wet concrete
- **W-VD/A4** (stainless steel A4) may be used **in dry interior rooms and outdoors** (including an industrial atmosphere and near the sea) **or in damp rooms**, if no particularly aggressive conditions prevail
- **W-VD/HCR** (highly corrosion-resistant steel HCR) may be used in **areas with very high levels of corrosion** (e.g. indoor pool atmosphere, road tunnels, poorly ventilated car parks or parts in seawater and in a marine atmosphere)

2. Advantages

- Hardened composite mortar largely seals off the drill hole
- Attachment with low expansion pressure allows small axial and edge spacings
- Ready-mixed mortar quantity

3. Properties

- Anchoring through bond between mortar, anchor rod and anchoring base.
Anchor rod stainless steel A4
Anchor rod highly corrosion resistant steel HCR
- Approval:
ETA-06/0074 for individual fastening
Option 8, uncracked concrete
- Fire resistance: W-VD/A4, W-VD/HCR F30, F60, F90 and F120; fire load pursuant to DIN 4102-2:1977-09 (standard temperature time curve)

Setting instructions

