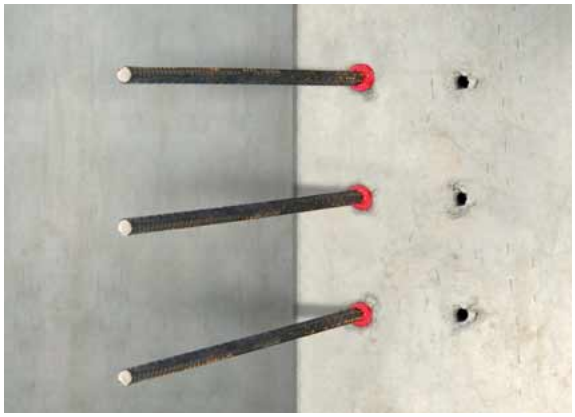
WIT-PE 500



29.1

Injection mortar for subsequently mortared-in reinforcement attachments.

385 ml and 1,400 ml cartridge incl. 1 static mixer

for processing with extrusion device

Manual 385 ml cartridge	Pneumatic 385 ml cartridge	Pneumatic 1400 ml cartridge
		
Art. No. 0891 009	Art. No. 0891 017	Art. No. 0891 015

BSt 500 S reinforcement rods, rod diameter d_s = 8 to 28 mm
For performance data and characteristic values, see European Technical Approval ETA-07/0313

W-ZA Stay M12, M16, M20
Stainless steel A4 and
HCR highly corrosion resistant steel
For performance data and characteristic values, see European Technical Approval ETA-07/0313
Available on special order

Proof of performance

Approvals		Test reports
European Technical Approval for subsequent reinforcement attachment	**General construction permits** for subsequent reinforcement attachment	**Fire resistance** for subsequent reinforcement attachment
ETA	Z-21.8-1834	

Good to know:

- **No brushing out of the drill hole** with hammer and compressed-air drilled holes. Just blow out four times using special Würth compressed-air technology in accordance with approval.
- With W-ZA stay, apply mounting torque after approval after the hardening time: T_{mnt} [Nm] ≤ 50 (M12), 100 (M16), 150 (M20).
- During overhead installation: Securing of the reinforcement rods to prevent falling out.
- You must study the mounting instructions before use.
- Use WIT-REBAR software for measurement.

1. Applications

- Can be used for subsequent reinforcement attachment
- The reinforcement attachment may be used in standard concrete from minimum strength class C12/15 (B15) to maximum C50/60 (B55)
- BST 500 S may be used for primarily static and primarily non-static loads, whereas W-ZA stay may only be used for primarily static loads
- The temperature in the mortar area may not exceed +50°C (or +80°C briefly)
- Suitable for structural expansions, ceiling and wall attachments, bearing structure expansions, bearing structure reinforcement, attachment of balconies and projecting roofs, closing off of temporary openings and in case reinforcement rods are "forgotten"

2. Advantages

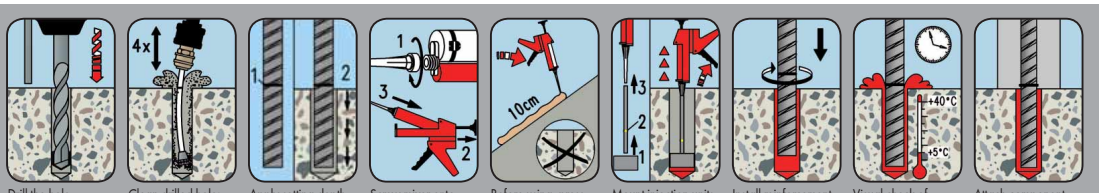
- Flexible and reliable subsequent expansion of attachment reinforcement
- Approved complete system for rod diameters from 8 to 28 mm and W-ZA stay M12, M16 and M20
- Long application times
- WIT-REBAR training for installers Safe and easy installation
- The drill holes can be created using the hammer and compressed-air procedure or the diamond drill procedure
- Extremely large anchoring lengths (up to 2.80 m with rod diameter of 14-28 mm and mortar temperature ≥ 20°C)
- Flexible installation: horizontal, vertical downward and upward (overhead)

3. Features

- Anchoring through bond between injection mortar and reinforcement rod
- Dimensioning as with straight cemented-in reinforcement rods according to the relevant steel concrete standard DIN 1045-1:2001-07 or EN 1992-1-1:2004
- General construction permit Z-21.8-1834
- European Technical Approval ETA-07/0313
- Fire resistance: F30, F60, F90, F120 and F180 contained in Permit Z-21.8-1834
- Temperature resistance up to +50°C, briefly up to +80°C
- Minimum component temperature: +5°C
- Transport and storage temperature (cartridge): +5°C to +25°C
- Minimum shelf life when stored properly: 24 months

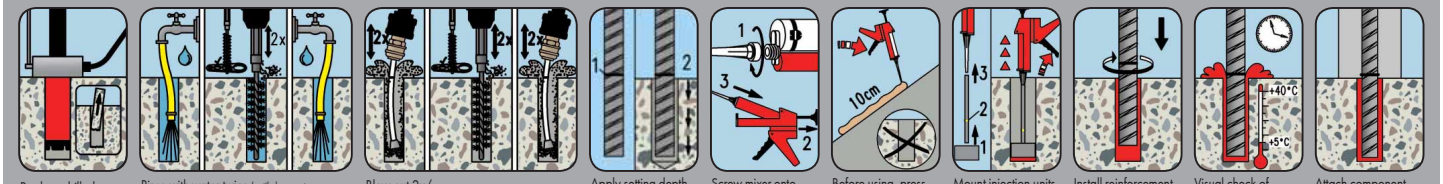
Setting instructions

Hammer/ compressed-air drilling procedure:



Drill the hole | Clean drilled hole: Blow out 4x with compressed air > 6 bar | Apply setting depth marking on rod and check drilled hole depth | Screw mixer onto cartridge Use dispenser gun | Before using, press out approx. 10 cm of product (not into drilled hole) | Mount injection units, fill composite mortar starting from base of drilled hole | Install reinforcement rod up to marking while turning slightly | Visual check of mortar filling quantity, observe maximum processing time | Attach component after complying with hardening time

Diamond drilling procedure:



Produce drilled hole, break out drill core Clean drilled hole: | Rinse with water twice (until clear water comes out)/ brush out 2x/ rinse with water twice (until clear water comes out) Clean drilled hole: | Blow out 2x/ brush out 2x/ blow out 2x | Apply setting depth marking on rod and check drilled hole depth | Screw mixer onto cartridge Use dispenser gun | Before using, press out approx. 10 cm of product (not into drilled hole) | Mount injection units, fill composite mortar starting from base of drilled hole | Install reinforcement rod up to marking while turning slightly | Visual check of mortar filling quantity, observe maximum processing time | Attach component after complying with hardening time