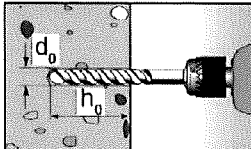
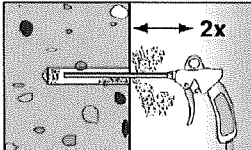
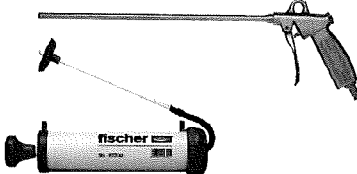
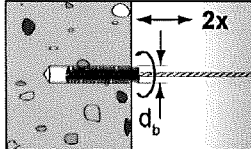
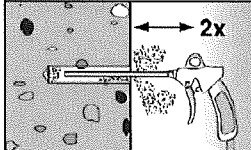
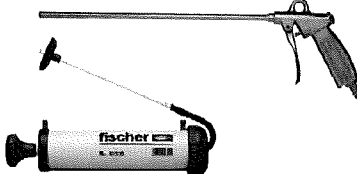


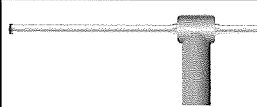
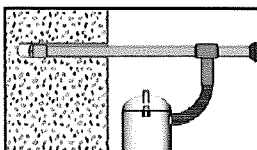
Installation instructions part 1; Injection mortar system FIS SB

Drilling and cleaning the hole (hammer drilling with standard drill bit)

| | | |
|---|--|---|
| 1 |  | <p>Drill the hole. Nominal drill hole diameter d_0 and drill hole depth h_0 see Tables B4.1, B6.1, B7.1, B8.1.</p> |
| 2 |  | <p>Clean the drill hole: Blow out the drill hole twice, with oil free compressed air ($p \geq 6$ bar) In uncracked concrete the use of the manual blow-out pump ABG is possible (Installation parameters: $d_0 < 18$ mm and $h_{ef} < 10d$)</p>  |
| 3 |  | <p>Brush the drill hole twice. For drill hole diameter ≥ 30 mm use a power drill. For deep holes use an extension. Corresponding brushes see Table B11.1.</p> |
| 4 |  | <p>Clean the drill hole: Blow out the drill hole twice, with oil free compressed air ($p \geq 6$ bar) In uncracked concrete the use of the manual blow-out pump ABG is possible (Installation parameters: $d_0 < 18$ mm and $h_{ef} < 10d$)</p>  |

Go to step 5 (Annex B 12)

Drilling and cleaning the hole (hammer drilling with hollow drill bit)

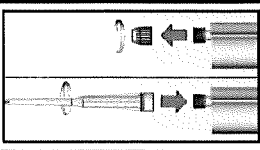
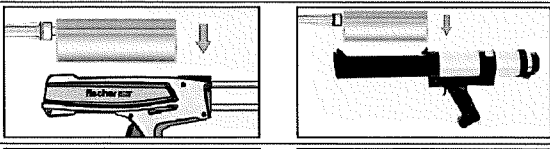
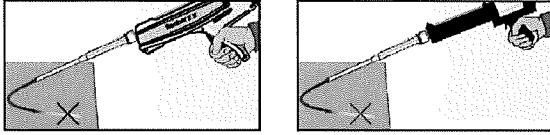
| | | |
|---|---|---|
| 1 |  | <p>Check a suitable hollow drill (see Table B1.1) for correct operation of the dust extraction.</p> |
| 2 |  | <p>Use a suitable dust extraction system, e. g. fischer FVC 35 M or a comparable dust extraction system with equivalent performance data. Drill the hole with hollow drill bit. The dust extraction system has to extract the drill dust nonstop during the drilling process and must be adjusted to maximum power. Nominal drill hole diameter d_0 and drill hole depth h_0 see Tables B4.1, B6.1, B7.1, B8.1.</p> |

Go to step 5 (Annex B 12)

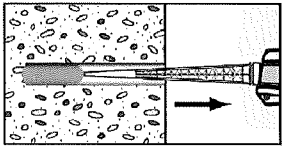
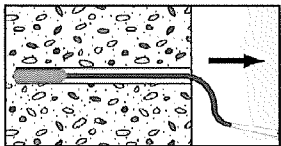
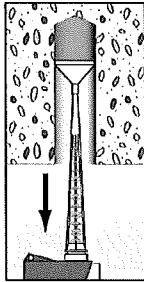
| | |
|--|------------|
| fischer Superbond | Annex B 12 |
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Installation instructions part 2; injection mortar system FIS SB

Preparing the cartridge

| | | |
|---|---|--|
| 5 |  | <p>Remove the sealing cap</p> <p>Screw on the static mixer (the spiral in the static mixer must be clearly visible).</p> |
| 6 |  | <p>Place the cartridge into the dispenser.</p> |
| 7 |  | <p>Extrude approximately 10 cm of material out until the resin is evenly grey in colour. Do not use mortar that is not uniformly grey.</p> |

Injection of the mortar

| | | | |
|---|---|---|---|
| 8 |  <p>For $h_0 = h_{ef}$ fill approximately 2/3 of the drill hole with mortar. For $h_0 > h_{ef}$ more mortar is needed. Always begin from the bottom of the hole and avoid bubbles.</p> |  <p>The conditions for mortar injection without extension tube can be found in Table B11.2. For deeper drill holes, than those mentioned in Table B11.2, use a suitable extension tube.</p> |  <p>For overhead installation, deep holes ($h_0 > 250$ mm) or drill hole diameter ($d_0 \geq 30$ mm) use an injection-adapter.</p> |
|---|---|---|---|

Go to step 9 (Annex B 13)

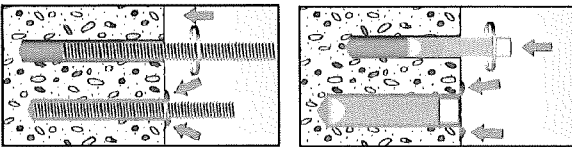
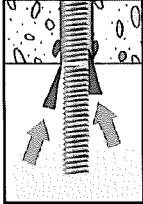
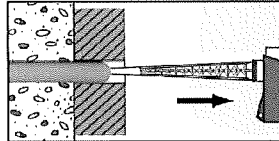
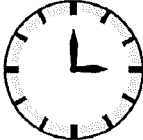
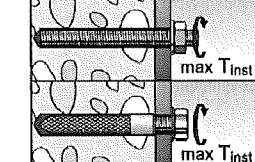
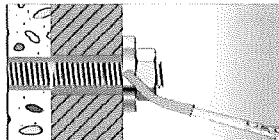
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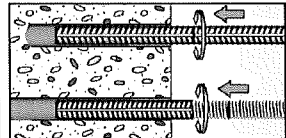
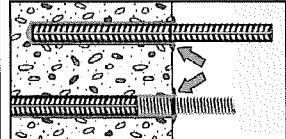
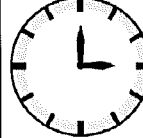
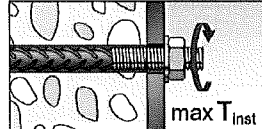
Annex B 13

Installation instructions part 3; injection mortar system FIS SB

Installation of anchor rods or fischer internal threaded anchors RG M I

| | | |
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| 9 |  | <p>Only use clean and oil-free metal part. Mark the setting depth of the metal part. Push the anchor rod or fischer internal threaded RG M I anchor down to the bottom of the hole, turning it slightly while doing so. After inserting the metal part, excess mortar must be emerged around the anchor element. If not, pull out the metal part immediately and reinject mortar.</p> |
| 9a |  <p>For overhead installations support the metal part with wedges. (e. g. fischer centering wedges).</p> |  <p>For push through installation fill the annular gap with mortar.</p> |
| 10 |  <p>Wait for the specified curing time t_{cure} see Table B11.3.</p> | <p>11</p>  <p>Mounting the fixture $max T_{inst}$ see Tables B4.1 and B6.1.</p> |
| Option |  | <p>After the minimum curing time is reached, the gap between metal part and fixture (annular clearance) may be filled with mortar via the fischer filling disc. Compressive strength $\geq 50 \text{ N/mm}^2$ (e.g. fischer injection mortars FIS HB, FIS SB, FIS V, FIS EM Plus). ATTENTION: Using fischer filling disc reduces t_{fix} (usable length of the anchor).</p> |

Installation reinforcing bars and fischer rebar anchor FRA

| | | |
|----|--|--|
| 9 |  | <p>Only use clean and oil-free reinforcing bars or fischer FRA. Mark the setting depth. Turn while using force to push the reinforcement bar or the fischer FRA into the filled hole up to the setting depth mark.</p> |
| 9 |  | <p>When the setting depth mark is reached, excess mortar must be emerged from the mouth of the drill hole. If not, pull out the anchor element immediately and reinject mortar.</p> |
| 10 |  <p>Wait for the specified curing time t_{cure} see Table B11.3.</p> | <p>11</p>  <p>Mounting the fixture $max T_{inst}$ see Table B8.1.</p> |

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Annex B 14