



## **Development Jumbo installation – HQ Grouter Mk3**

The *DD Grout Plugs Grouter Mk3* is made for pressure grouting diamond drill holes. The plug can also be pushed in place into breakthrough holes to immediately stop high pressure water inflow. This plug is available in two versions, the **Mk3** standard version and the **Mk3R** remote opening version. Instructions;

1. For development jumbo installation you will need a 46mm split set dolly.
2. The hole should be wet if possible to reduce o-ring wear during installation. However, the plug can be installed dry and will still work if wet is not possible.
3. Align the plug as best as possible during installation. Misalignment may break the back of the plug. Nevertheless, if breakage occurs, the plug can still be hammered into position and should still work.
4. There may be a small disconnection force. On completion of installation the plug will hold its position and the internal check valve will hold high pressure water.
5. The **HQ Grouter Mk3R** has an internal spacer that can be used to remotely open the check valve up to 500 psi (34 bar). It is not included as standard. Please let us know if you wish to use this feature, it can be included at a modest additional cost, but requires a 1" BSPP (parallel) threaded pipe to work.
6. For grouting at a later date, connect up a 1" BSPT (tapered) male threaded pipe of the pressure rating required. A 1" BSPT thread is best suited for grouting since it will lock and seal the threads, and cannot open the check valve.

The **Grouter Mk3** and **Mk3R** are designed with materials that will resist acid and chemicals such as grout accelerator, and will not corrode.

Pressure Rating: 1000 psi (69 Bar) at a 2:1 Factor of Safety  
Temperature Rating: 100 degrees C.

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