



## Grouter Mk4R Data Sheet

The DD Grout Plugs **Grouter Mk4R™** is constructed using the DD Grout Plugs **Hydra-Barb Technology™**. It is a simple mechanical plug for grouting underground diamond drill holes against high pressure water flow. The **Grouter Mk4R** is temperature rated to 100 degrees C, and pressure rated to 1000 psi (69 Bar) with a 2:1 Factor of Safety. The **Grouter Mk4R** is suitable for grouting underground hard rock formations drilled with a diamond matrix drill bit.

IMPORTANT: The **Grouter Mk4R** is made for use with standard size reamers.

Installation can be carried out two ways;

- With a diamond drill rig using a sub made from old but straight drill rod. The installation sub can be re-used. The plug can be installed into the sub by hand or by putting the sub on the end of the drill rod, putting a plate over the centraliser, and gently pushing the plug in to the sub by feeding the drill rod against the plate.
- Development jumbo installation for intersected holes, using a 46mm split set dolly fitting into the back of the plug.

The plug is made with tolerances to fit standard sized reamer holes only.

Grouting can occur through diamond drill rods if installing with a diamond drill rig, or alternately later through a 1" BSPT male threaded pipe to the pressure rating required. The stainless steel insert in the plug will not corrode and is made of a grade that will be picked up by magnets.

The **NQ Grouter Mk4R** plug can be used as a standpipe. The internal check valve can be remotely opened using a 1" BSPP (parallel) male threaded pipe up to 500 psi (34 Bar). A tap installed on the end of the pipe then allows regulating the water flow, monitoring pressure readings or taking periodic water samples. The **NQ Grouter Mk4R** (red) has components for remote opening of the check valve when compared to the standard **NQ Grouter Mk4** (green).

For further information please contact:

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