



HQ Grouter Mk3 Data Sheet

The **DD Grout Plugs HQ Grouter Mk3™** 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 **HQ Grouter Mk3** is temperature rated to 100 degrees C, and pressure rated to 1000 psi (69 Bar) with a 2:1 Factor of Safety. The **HQ Grouter Mk3** is suitable for grouting underground hard rock formations drilled with a diamond matrix drill bit.

IMPORTANT: The **HQ Grouter Mk3** 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 pushing the plug in to the sub by feeding the drill rod against the plate.
- Using a 46mm jumbo split set dolly, fitting into the back of the plug.

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.

This plug is available in a remote opening version, with the inclusion of some additional parts (**HQ Grouter Mk3R**). When installed the 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.

For further information please contact;

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Australia (granted) 2014376126

USA (granted) 10,577,886

Philippines (granted) 1-2016-501372

Eurasia (Russia, Kazakhstan) (granted) 035669

ARIPO (Tanzania, Ghana, Zambia) AP/P/2016/009330

New Zealand (granted)

Canada (granted) 2,935,386

Indonesia P-00201605136

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Chile (granted) 62.699

Argentina P15 01 00037

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