



Instructions For Use – Hydra-Barb

The *DD Grout Plugs Hydra-Barb* is a simple solution for blocking high pressure water flow in diamond drill holes. To work, the plug needs to be installed in competent ground. For best results it pays to check the core for a good installation location. For installation;

1. Twist the base of the plug into the diamond drill bit. For strong water flow it may need a knock on the nose to hold in the bit firmly. This won't damage the plug in any way.
2. Feed the plug with the drill string into the planned location. The nose will guide it over the ridge if a standpipe is being used.
3. After arriving at the installation location, pull the drill rods. Note the initial retraction locks the plug in place. The plug has an anchor strength of beyond 10 tonnes in solid ground, and will easily pop out of the drill bit.

IMPORTANT: The *Hydra-Barb* is made for use with standard size drill bits and reamers. Please contact us if oversize (OS) reamers are used.

Pressure Rating: 1000 psi (69 Bar) at a 2:1 Factor of Safety

The *Hydra-Barb* is designed with materials that will resist acid and will not corrode. It can be drilled out relatively easily if the hole is extended at a later date, but may need to be pushed to the bottom of the hole to do this.

The o-rings are on staggered seat heights with the back one being the tightest. This is designed to be sacrificial in a tight hole ie a worn bit, so do not be concerned if pieces of the back o-ring tear off during installation. This does not affect performance, the front o-rings will provide the sealing in this instance.

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© 2023, Patent Numbers and Application Numbers:

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

Europe 14877624.8

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Chile (granted) 62.699

Argentina P15 01 00037

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