



Custom Project - Holer BIG FOOT Drilling Rig



Simon Holer
Production Manager
Director

Concut identified a need for a Drill Rig capable of drilling extremely deep holes, ideally suited to pinning holes for Earthquake strengthening, drilling through columns and deep floors. The Rig also had to allow hole cores to be removed without the need for a crane, be set up quickly and more importantly provide a cost effective solution for our clients.

Concut approached Simon Holer from Holer Diamond Tools in search of a Drilling Rig capable of drilling holes up to 800mm in diameter and up to 20 meters deep.

We also needed the following;

- Adjustable to suit varying angles
- "Light-Weight" Machine
- Compact
- Precision for Drilling Depths
- Reliability

After considering and designing several concepts, Simon Holer & Phil Mayers designed a system that would suit all of the customer's requirements. A rolling core drill centering clamp was developed and intergrated with a Hydrostress Wallsaw track and FZ saddle, which has proven itself on numerous special application projects.

To help with the rigs reliability an upgraded hydraulic travel motor was selected to give 700kg of lifting power, at 25 metres deep the drilling conditions were anybody's guess!

The Holer DMH 600 Hydraulic 4 Speed Drill Motor performed incredibly well. After careful consideration and testing the B750 Diamond Segments were selected and combined with the precision Screw Barrels, all manufactured in-house.



ABOVE: Simon Holer, Phil Mayers & Fred Holer standing with the two completed BIG FOOT drilling rigs.

BELOW: (All) Pictures from the manufacture & testing of the rigs.

BELOW: Core Catcher System



BELOW: Outrigger Guide



Holer Diamond Tools takes pride in being able to design and manufacture custom tooling and machinery to suit any customer requirements. Short lead times and quality products are achievable through a dedicated Production Team.

Please contact your Holer Representative for any special project requests.

