

Water resistance of top drive Cageless DTH Hammer



Success in difficult drilling conditions



The Bulroc Hyper 181 (18 in) down-the-hole hammers have been working successfully in difficult drilling conditions on a project extension to the Hong Kong Conference and Exhibition Centre.

Both land and sea foundation piles were called for

The ground conditions to be found were consolidated landfill and marine deposits with granite bedrock. The contract, undertaken by the main contractor Yee Hop Engineering, was started in August 2006 and due for completion May 2007. The project called for both land and sea foundation piles to form a temporary working platform.

Bulroc's Hyper hammers hit difficult drilling conditions

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Several hole sizes were required starting with 630 m of 660 mm diameter driven pipe marine piles, 565 m of 813 mm diameter driven pipe land piles and a total of 203 holes 610 mm in diameter rock socketed H-Piles. These averaged 40 m in depth.

There were also 103 holes of 219 mm diameter mini-piles also of average depth 40 m with some holes done with restricted headroom due to the existing building still being in place.



In addition to the Hyper 181 hammer, which covers hole sizes 457 mm (18 in) to 610 mm (24 in) Bulroc has the Hyper 241 which is capable of drilling hole sizes 610 mm (24 in) through to 864 mm (34 in).

Bulroc also has currently in development a Hyper 301 hammer to take the range to the next size level. This will cover hole sizes 864 mm (34 in) to 1,100 mm (43 in).



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