



SPECIFICATIONS

The rockdrill has a steel, open structure frame with an electro-hydraulic power pack, flush pumps, vibrator motor and sea-bed microprocessor control capable of coring rock formations up to 5 m below sea bed in a maximum 2000 m of water.

5 m and 3 m version is available.

5 m version:-

Overall dimensions: 7.7 m high with 5.5 m span at extremities of feet

Weight in air: 4.5 tonnes

3 m version:-

Overall dimensions: 5.7 m high with 4.5 m span at extremities of feet

Weight in air: 3.5 tonnes

Core barrel: BGS Hex steel outer core barrel with steel inner barrel

Core size: 49 mm

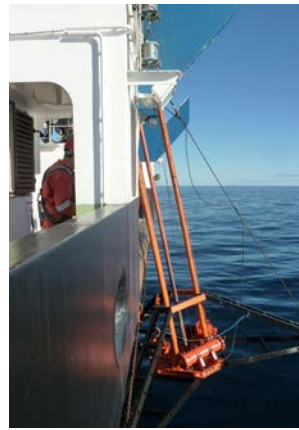
Core bit types: TC, surface, and impregnated diamond

Core bit RPM: 0–600, infinitely variable

Power requirements: 415 VAC, 3 phase, 50 Hz, 30 Amp

Shipping: x2 10 ft ISO container, x1 20 ft ISO container with winch, x1 40 ft ISO container with drill





VIBROCORING MODE OPTION

By interchange of core barrels and a different processor-controlled operation the same unit is enabled to operate as a soft and non cohesive sediment sampler capable of coring up to 6 m or 3 m depending on system configuration below sea bed in a maximum 2000 m of water.

Core barrel: steel, 102 mm OD with 83 mm ID polycarbonate liner

Core size: 83 mm retained in polycarbonate liner

Core bit type: hardened steel cutting shoe

OPERATIONAL REQUIREMENTS

A stable platform with good position keeping (DP or moorings) is required together with an 'A' frame of at least 10 tonnes SWL and minimum height of 7 m and 5 m (depending on configuration).

Deck space needed to store and deploy rig is x2 10 ft ISO shipping container, 7 m x 1.2 m x 1 m high core bench and sundry spares and consumables including 6 m long liner tubes. In addition to this a working deck area of 5 m thwart ships and 20 m fwd/aft is required for the drill and umbilical winch.

BGS COMBINED SIGNAL/POWER/HOIST UMBILICAL WINCH

This allows operations with the sea bed rockdrill/vibrocorer in water depths to 2000 m without recourse to additional cables. A special sheave, also supplied by BGS is required for the cable and an additional 1 m of headroom is required in the deployment system to allow for this.

WINCH/POWER PACK SPECIFICATIONS AND REQUIREMENTS

The winch is electro-hydraulically operated from its own power pack and can be operated from a local control on the power pack or by a remote control box. A line meter showing metres out and line speed is fitted at both locations.

Winch base dimension: 3 m x 3.2 m x 2.2 m high

Winch weight: 17 tonnes

Power pack base dimension: 2.2 m x 1 m x 2.8 m high

Power pack weight: 4.5 tonnes

Power Requirements: 415 VAC, 3 phase, 50 Hz, 125 A supply

For more information please contact:

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