

Geodoff MKII Drilling System

Drilling system has been designed for controlled sampling of the upper 12 m of the sea bed at water depths till 60 m.



The Geodoff MK II consists of the following main components:

- Control panel in a 10 ft container
- Umbilical reel
- Electrical power pack reel with power cable
- Engine housing including monitoring camera and three extendable legs
- Guiding pillars with 2 vibrators and hydraulic rams
- Hydraulic head clamp and a hydraulic help clamp

The Geodoff MKII can be used as a vibro-corer with a penetration of c. 6 m and for drilling with an airlift/ counterflush system with a penetration of c. 12 m.

Technical specifications:

Dimensions Geodoff MK II:

- H = 5,700 mm
- W = 2,400 mm
- W = with extended legs 6,360 mm

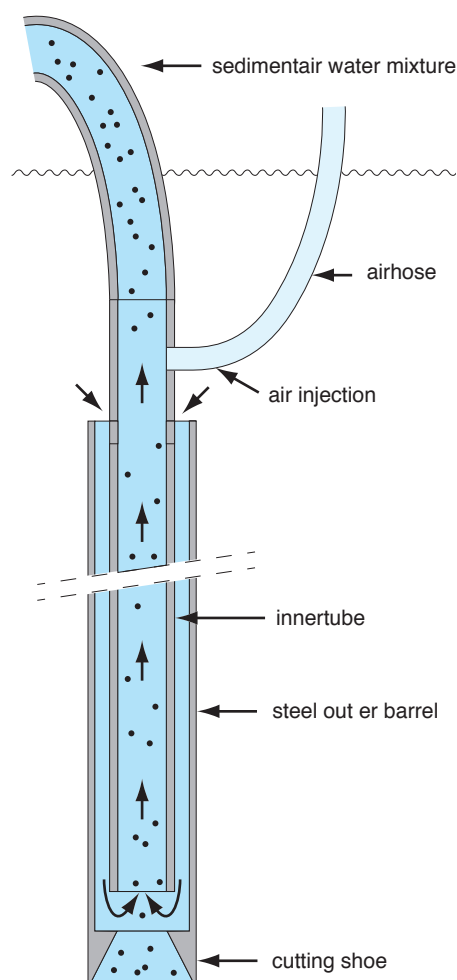
Weight:

- Above water 10,000 kg
- Under water c. 5,000 kg

Dimensions electrical power pack reel:

- L x W x H =
2,500 x 1,400 x 2,600 mm
- Diameter outer barrel 122 mm,
diameter inner tube 75 mm.

Sediment transport takes place through a flexible hose, which is connected with the inner tube, to the sample collector on deck.



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