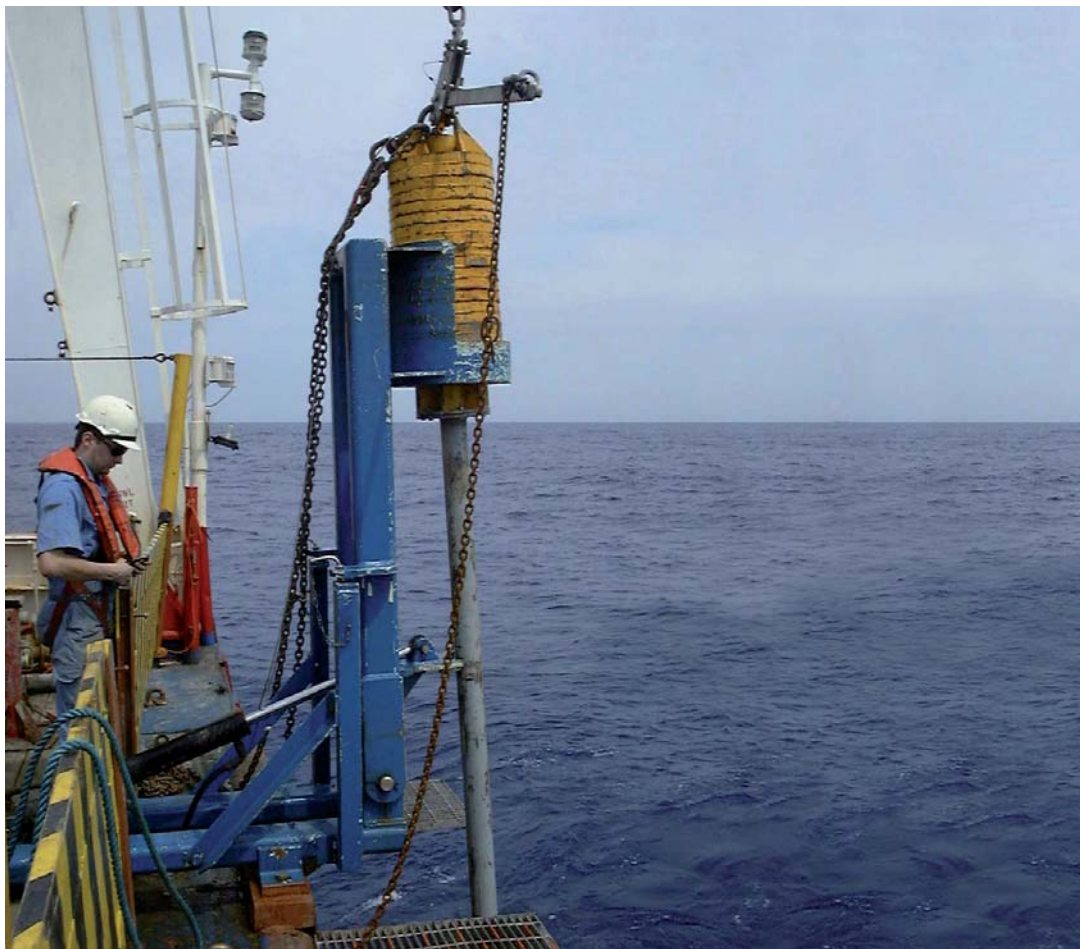


Gravity Corers



Standard Gravity Corer - GC1

A rapid method of obtaining a continuous core sample offshore in water depths ranging from a few metres, to full oceanic depth.

Gravity and associated Piston cores may be used to acquire samples for a diverse range reasons from geophysical ground truthing and geotechnical engineering to deepwater surface geochemical prospecting.

Basic Gravity coring may be supplemented by the use of static piston and trigger systems, to enhance penetration, sample recovery and quality by creating a partial vacuum between sample top and piston throughout the penetration and recovery phase of coring.

Standard Gravity Corer - GC1

Standard Gravity Corers are suitable for deployment from a large range of vessel types from small fishing boats to large offshore survey vessels.

Special Features

- Variable weight or single weight corers available
- “Kullenberg” type piston coring facility
- Barrel lengths from 1.0 m to 6.0 m
- Core diameter of 84.1 mm OD
- Variable corer weight up to 750 kg
- Single corer weight of 500 kg





Abrams Gravity Coring System - GC2

ABRAMS GRAVITY CORING SYSTEM - GC2

The Abrams Gravity Coring System has been designed to optimise sample recovery using standard gravity coring techniques and increase sampling efficiency.

The corer has a larger internal diameter behind the sample than the sample barrel, thus reducing the 'hydraulic effect' resulting in increased penetration and reduced disturbance of the surface soil.

The handling system to deploy the corer is self-contained and incorporates an "A" frame and hydraulic swivel which brings the corer inboard making the coring operation safer and more efficient. The other advantage is that the system can be mobilised on to vessels without any existing handling facilities

Special Features

- Barrel lengths from 1.0 m to 6.0 m
- Core diameter of 84.1 mm O.D.
- Corer weight up to 1 tonne

The specification of the equipment in this data sheet may be subject to modifications without prior notice

Fugro Alluvial Offshore Limited
 Morton Peto Road
 Gapton Hall Industrial Estate
 GreatYarmouth
 NR31 OLT UK
 Tel : +44 (0) 1493 650 484
 Fax : +44 (0) 1493 440 319
www.alluvial.co.uk
info@alluvial.co.uk



Long Piston Coring System - GC3

LONG PISTON CORING SYSTEM - GC3

The long Piston coring system has been developed from the Abrams system to further enhance penetration and recovery.

The corer has an increased over all diameter, and enhanced sample area ratio, as well as split piston system to protect the sample during recovery.

A variety of handling systems have been developed to promote safe and efficient deployment and recovery operations from vessels of opportunity as well as Fugro's own fleet vessels

Special Features

- Barrel lengths from 6.0 m to 12.0 m
- Core Diameter of 117.2mm
- Variable corer weights from 800kg to 1,200kg
- Sample Area ratio of 35%
- Split piston