BSL Sediment Sampler – Day Grab

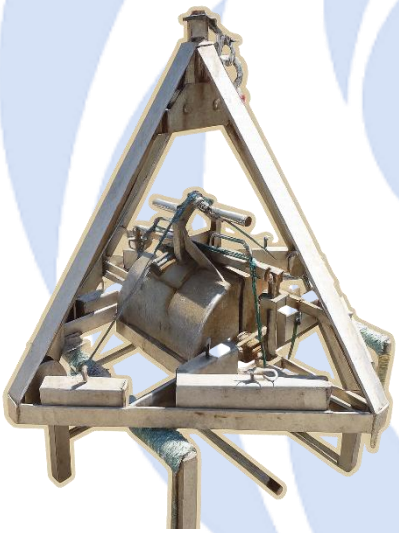
General Specifications

- 0.1m^2 Sample Areas Available
- Stainless steel construction
- Variable weight to aid penetration
- Compact Design
- Operations down to 1000m
- Can be fitted with remote recording HD video cameras and water sampling devices

Services

Day grabs comprise of two stainless bucket sections which are mounted within a stainless-steel frame. On contact with the seabed, a trigger bar is pushed upwards via pressure plates allowing the buckets to close under the gravity of the unit through a pulley system forcing the buckets closed. This controlled contact and closure once on the seabed helps ensure sample disturbance is minimised. The top of the grab is covered by two catch-closed inspection doors also made of stainless steel. The doors allow direct access to the sample inside the grab when closed, and protect the sample from the grab movement through the water column during recovery.

Our Day grab sampler (offset design) was originally modified by BSL's principle scientist in the early 1990s to improve penetration and reduce sample disturbance and contamination. These grabs are fitted with additional but removable stainless steel coated lead weights which can provide better penetration in more compacted substrates, but can also be removed to prevent over-penetration of the sampler in softer sediments.



A further extended bucket lip reduces sediment washout during retrieval. The unit can be supplied with a stand allowing for easy sample access and handling. A further modification that was made provided an efficient closure system to allow arming by a single person. This modified Day grab has become the standard operating tool for the North Sea.

The grab is relatively simple to operate in almost any water depth. The (0.1m^2) grabs have been constructed with stainless steel throughout making this grab ideal for accurate assessment of the chemical properties of sea floor sediments.



Specifics

Item	Value
Shipping weight	250KG
Shipping dimensions (L,W,H)	1200 x 1000 x 1000mm

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