

BSL MODIFIED DAY GRAB

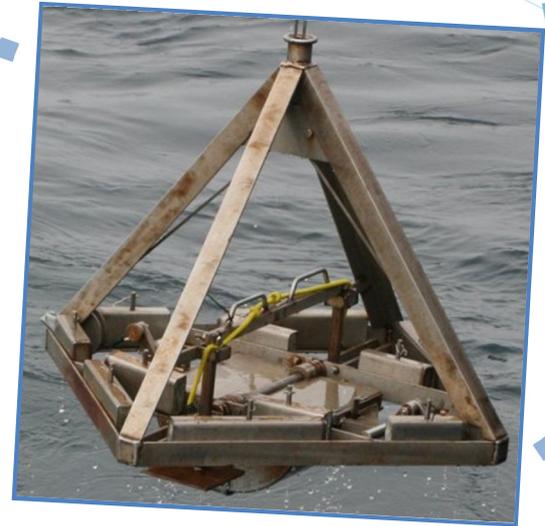
General Specifications

- 0.1m² Sample Area
- Total Stainless Steel Construction
- Adjustable weight
- Compact Design
- Proven performance in 1000m depth
- Modified for One Man Operation

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. 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 (0.1m²) grabs have been constructed with stainless steel throughout making this grab ideal for accurate assessment of the chemical properties of sea floor sediments.

Shipping weight	250kg
Shipping dimension	1.5 x 1 x 1m
Specifications	800 x 800 x 850mm