BSL Sediment Sampler – Mini Hamon Grab

General Specifications



- 0.1m² Sample Areas Available
- Stainless steel bucket construction
- Variable weight to aid penetration
- Excellent for course sediments
- Can be fitted with remote recording HD video cameras

Services

Benthic Solutions Limited owns and operates several 0.1m² Mini-Hamon grabs, which are ideal for obtaining bulk samples in mixed sands and gravels, as well as for sampling benthic macrofauna (approved by CEFAS). This relative small grab was modified from the larger 0.2m² unit used in the aggregate industry for use during inshore environmental assessments in mixed sediments.

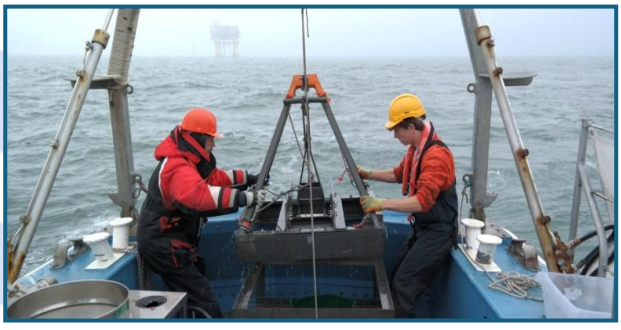
The Hamon Grab comprises of a stainless steel box shaped sampling scoop mounted in a triangular frame. Upon contact with the seabed tensioned wires are released which causes the sampling bucket to pivot through 90° pushing seabed sediment into the bucket in a single direction. On completion of its travel the open end of the bucket comes against a rubber sealed steel plate which stops the sediment escaping during recovery. The surface area of seabed covered during the travel of this bucket is approximately 1000cm² and achieves a penetration of typically 15-20cm.

On recovery the grab is landed onto a rectangular base from where access can be gained to the inside of the bucket via an inspection hatch added to the back of the sampler. Whilst in the stand, the grab sample can easily be emptied into a sampling container located under the frame.





These grabs are used for the collection of samples from coarse (diamicton sands and gravel) where glacial deposits are common or in areas of high energy environments. Note that there is some minor disturbance to the structure of the sample (particularly in granular sediments) so it is not the preferred sampling tool for detailed physico-chemical sub-sampling where the in situ structure needs to be maintained. The sampler is regularly used for macro-invertebrate and particle size analysis.



Specifics

Item	Value
Shipping weight	375KG
Shipping dimensions (L,W,H)	1200 x 1000 x 1250mm

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