

Applications

**Marine Aggregate
Prospecting**

Cable & Pipeline Routes

Geological Investigation

Benthic Investigation

The CMS-Geotech 0.2m² Hamon Grab is the industry standard for obtaining bulk samples of seabed sand and gravel as well as for sampling benthic macrofauna (approved by CEFAS).

The Hamon Grab comprises of a box shaped sampling scoop mounted in a triangular frame which can be deployed from a standard ships crane. Upon contact with the seabed tensioned wires are released which causes the sampling bucket to pivot through 90° pushing seabed sediment into the bucket. 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 reason it is called a 0.2m² Hamon Grab is because the bucket size is such that the area of seabed sampled during its travel is approximately 0.2m². The sample depth penetration can be up to 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 window. Whilst in the stand the grab sample can then be easily emptied into a sampling container located under the bucket.

0.2m² Hamon Grab

Seabed Sampling & Marine Geotechnical Surveys

These grabs are particularly used for the collection of samples generally from coarse (sand and gravel) sediment substrates and used for benthic macrofauna and particle size measurement. The grab is relatively simple to operate in almost any water depth.



Specifications:

Grab:

Base Area	145 x 145 cm
Height	215cm
Approx. Weight	350kg
Sample Capacity	50-70 litres
Bucket Dimensions	0.4 x 0.4 x 0.5m

Stand:

Base Area	145 x 145
Height	50cm

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