



Drop Corer / Gravity Corer

Model: DC-01S

The SEAS DC-01S Drop Corer is designed to recover high quality core samples up to 3m in length from a variety of soft sediments. Like all SEAS equipment the DC-01S Drop Corer is manufactured from quality materials. With a range of core barrel options available, the DC-01S can be configured for whatever your sampling program objectives are; environmental, contamination studies, anchor surveys, mineral exploration, sedimentology, etc. The DC-01S can also be deployed with the SEAS PC-24L long piston corer to acquire undisturbed surface samples that are often missed from long piston core samples.

Specifications

Depth Rating:	7000m
Weight Stem:	Diameter: 310mm, Height: 650mm
Weights:	Weight Stem only: 30kg Additional weights: 27kg each up to a maximum package weight of 165kg,
Material:	Galvanized Steel and Lead
Core Barrel Options:	Polycarbonate, PVC or Aluminium: OD: 80mm or 100mm, ID: 76mm or 94mm Length: 1—3m.
Core Cutter:	Stainless Steel with stainless steel finger core retainer.
Accelerometer (Optional)	SENSR multi axis accelerometer in Titanium housing.

Vessel Requirements

- Clear deck space for handling core samples at desired length.
- Winch / Capstan with sufficient cable length for operating depth x 1.5
- Winch to have controlled rapid cable pay out capability; Brake / Clutch
- Winch with minimum pull capacity: 1.0 tonne for extraction of 1m cores
1.5 tonnes for extraction of 2m cores
2.0 tonnes for extraction of 3m cores



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