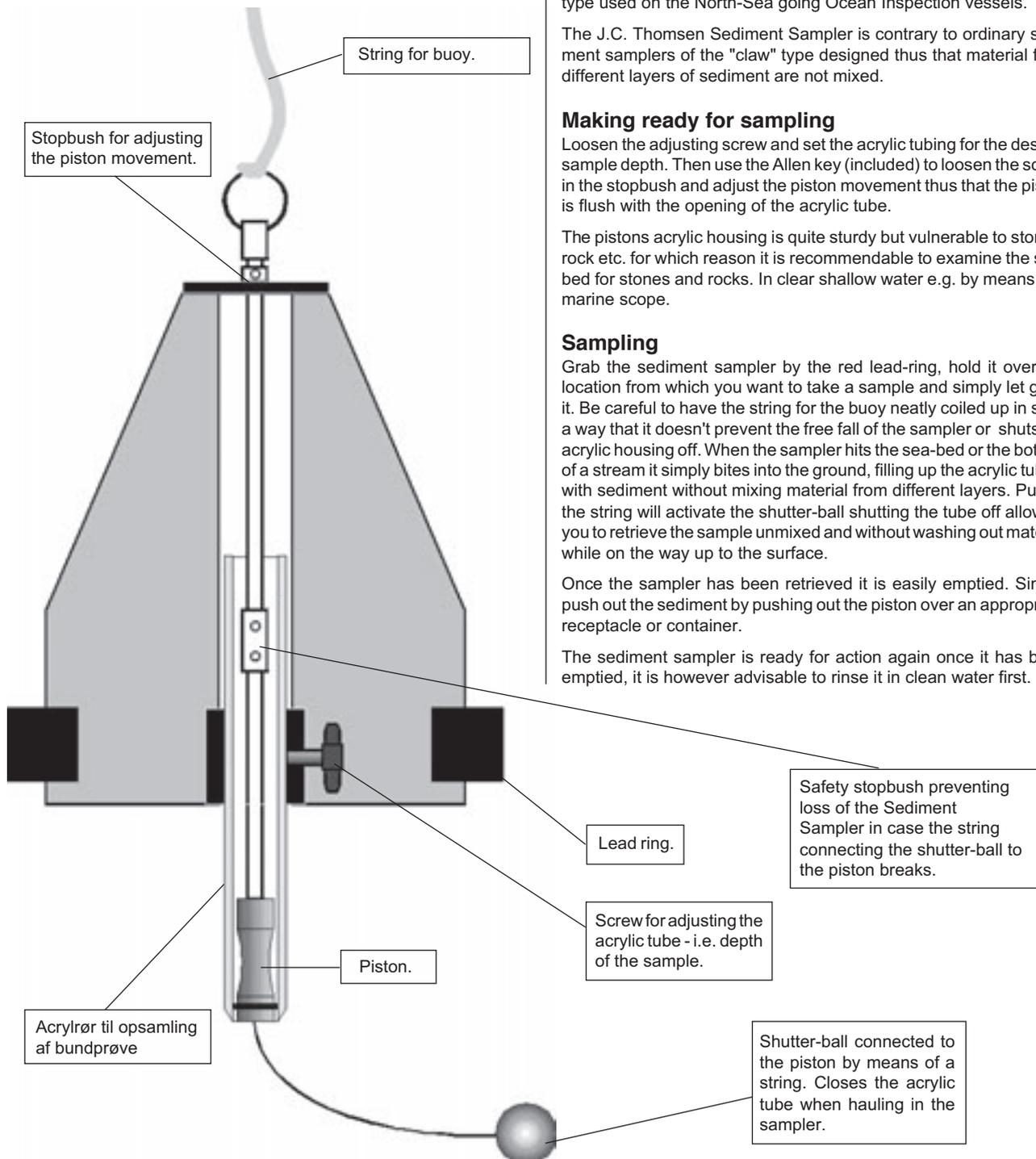


J.C. Thomsen Sediment Sampler no. 1893.10.

18. 09. 96

Ae189310

Sediment Sampler ready for sampling



Introduction

This Sediment Sampler is designed in close cooperation with marine biologists in Esbjerg and is in principle a small scale version of the type used on the North-Sea going Ocean Inspection vessels.

The J.C. Thomsen Sediment Sampler is contrary to ordinary sediment samplers of the "claw" type designed thus that material from different layers of sediment are not mixed.

Making ready for sampling

Loosen the adjusting screw and set the acrylic tubing for the desired sample depth. Then use the Allen key (included) to loosen the screw in the stopbush and adjust the piston movement thus that the piston is flush with the opening of the acrylic tube.

The pistons acrylic housing is quite sturdy but vulnerable to stones, rock etc. for which reason it is recommendable to examine the sea-bed for stones and rocks. In clear shallow water e.g. by means of a marine scope.

Sampling

Grab the sediment sampler by the red lead-ring, hold it over the location from which you want to take a sample and simply let go of it. Be careful to have the string for the buoy neatly coiled up in such a way that it doesn't prevent the free fall of the sampler or shuts the acrylic housing off. When the sampler hits the sea-bed or the bottom of a stream it simply bites into the ground, filling up the acrylic tubing with sediment without mixing material from different layers. Pulling the string will activate the shutter-ball shutting the tube off allowing you to retrieve the sample unmixed and without washing out material while on the way up to the surface.

Once the sampler has been retrieved it is easily emptied. Simply push out the sediment by pushing out the piston over an appropriate receptacle or container.

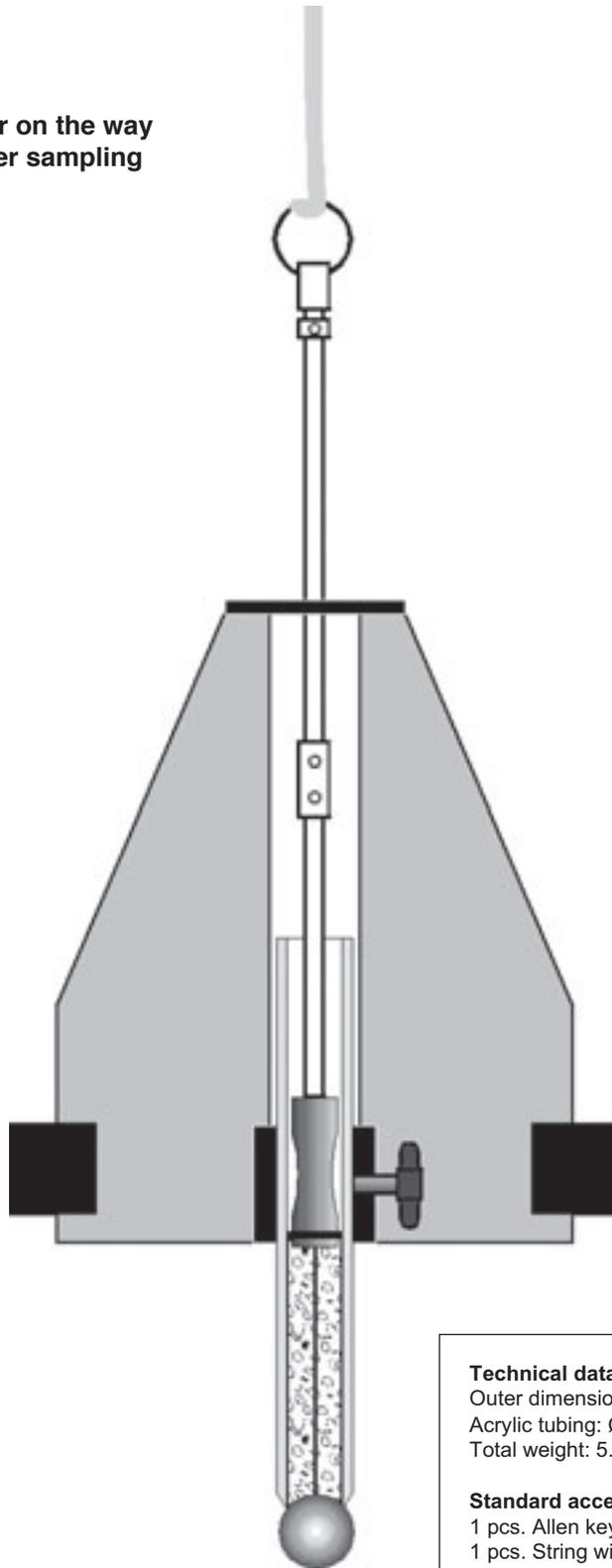
The sediment sampler is ready for action again once it has been emptied, it is however advisable to rinse it in clean water first.



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Sediment sampler on the way to the surface after sampling



Technical data:

Outer dimensions: Ø 200 x H 460 mm

Acrylic tubing: Ø 25/19 x 200 mm

Total weight: 5.5 kg

Standard accessories (included):

1 pcs. Allen key for adjusting the stopbushes

1 pcs. String with buoy (approx. 8 m)

1 pcs. Manual Ae1893.10

Optional accessories:

Swift Replacement kit no. 1893.15 comprising 1 pcs. acrylic tubing complete with piston and shutter-ball. In case of breakage simply remove the acrylic tubing, push out the piston-rod, unscrew the piston. Insert the new acrylic tubing and mount the new piston w. shutter-ball attached. The sediment sampler will after a very few instants be ready for sampling again.