

Ekman Grab 400 cm<sup>2</sup>

Model 12.002

Manual

**KC** Denmark A/S

Research Equipment


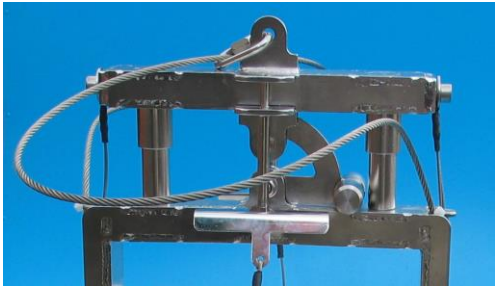
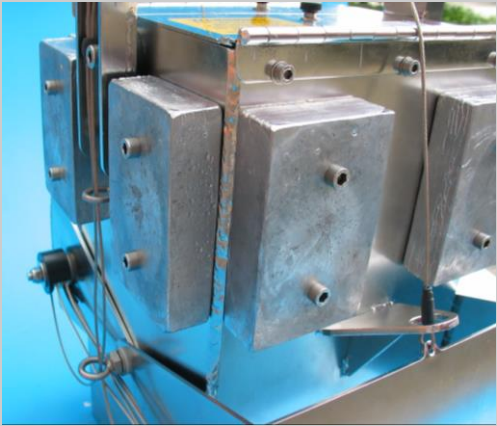
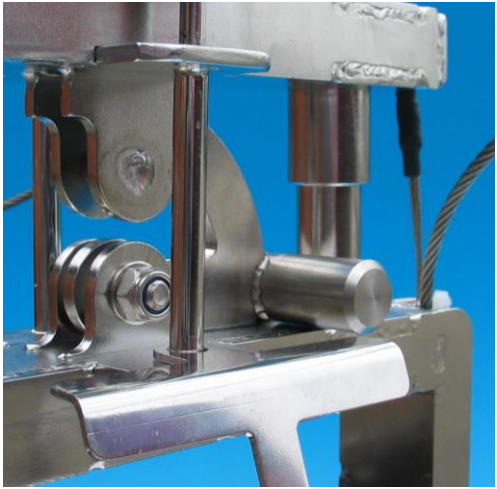
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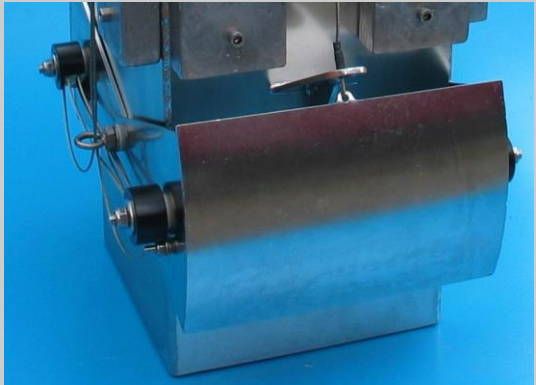

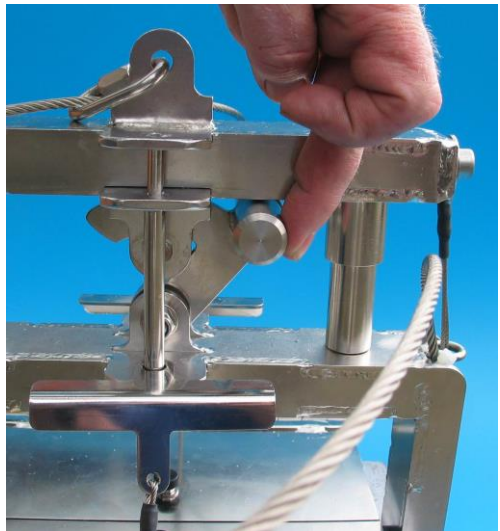
## Ekman Grab – 400 cm<sup>2</sup>



Caution

**KC Denmark A/S is not, and cannot be held, responsible for any damage(s) made to equipment or to operators who ignore safety precautions or because of misuse or wrong operation.**

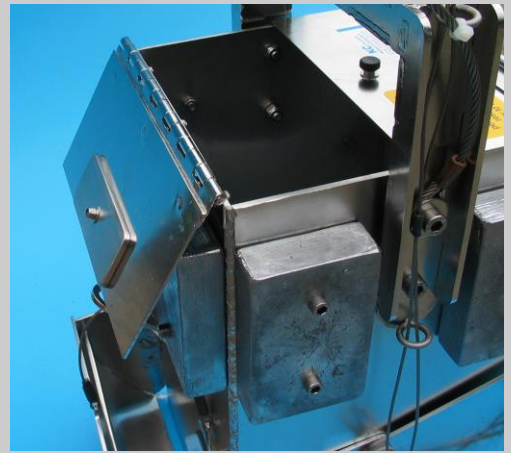
Item	Preparation	
1	 <p>Caution</p> <p>Always attach the security line to the deployment line. If the grab is stuck; i.e. by a stone on the seabed, the thin wires located at each side of the top part may break, and you will lose the bottom part of the sampler.</p>	
2	<p>Mount the lead weights and remember to fasten the bolts. Depending on the hardness of the seabed, you can mount a various number of weights. Maximum: 16 pcs = 32 kg.</p> <p>By exceeding 8 pcs of weights, you must use longer bolts and mount the weights two by two.</p>	
3	<p>The locking mechanism is shown in the open position.</p>	

4	Pull the shovels to the upper position as shown.	
5	While holding the shovels, insert the small locking brackets for the shovels.	
6	Attach the deployment wire to top of the Ekman; ensuring that the security line (item 1) is fastened to the deployment line/hook.	
7	Push the locking mechanism into the lock position and slowly raise the deployment wire until it is taut and the sampler is ready. Keep a tight wire to avoid release of the grab.	

When the grab hits the seabed and the line slackens, the locking mechanism releases and hoisting the grab close the shovels to take the sample.

8 Back on deck, you can take out a small portion of sediment by opening the lids at the top of the grab.

To empty the grab completely, you must force the shovels into open position as shown in fig. 4.



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