

12.110  
Van Veen Grab – 250 cm<sup>2</sup>

Manual

**KC** Denmark A/S

Research Equipment  
Limnology • Oceanography • Hydrobiology

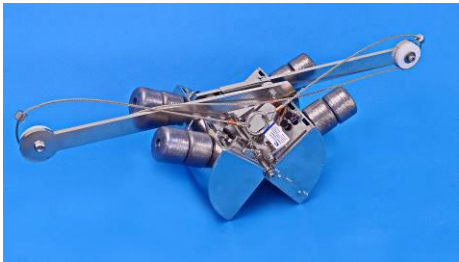

## Van Veen Grab – 250 cm<sup>2</sup>





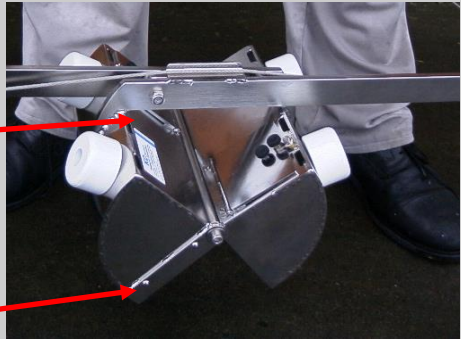


### Caution


**The Van Veen grab is very dangerous in unskilled hands, and you must take serious precautions to avoid accidents.**

**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>Standard delivery includes 4 lead weights, each 1 kg. It is possible adding 4 more weights (requires longer bolts 6 x 80 mm). Use lock nuts so you do not lose the lead weights. The photo shows a grab with 8 lead weights.</p>	
2	<p>Place the grab on a plain, stable surface. Force both arms down to horizontal position so the grab is open.</p> <p>Press the locking pawl upwards to lock the arms.</p> <p>For security remarks, please see item #4.</p>	

<p>3</p>	<p>Still lifting the pawl upwards, pull the wire tight as shown on the photo. The grab is now locked in this position.</p>	
<p>4</p>	<p>The grab is now ready for deployment. Attach the wire for deploying the grab to the eye of the wire.</p> <p> <b>Caution</b></p> <p>Keep the wires on the grab straight to avoid an unintended release of the locking mechanism.</p>	
<p>5</p>	<p> <b>Caution</b></p> <p>Handle the grab with care to prevent injury to personnel. Fingers and hands may be stuck at the arms and by the jaws.</p>	

## Emptying the grab

6	<p>The grab has 4 lids and turning the knob counterclockwise the corresponding lid can be opened, and you can take out a small sample without emptying the whole sediment sample.</p> <p>Empty the whole content of the grab by forcing the arms of the grab into horizontal position.</p> <p>Each time you handle the grab, take care to avoid any injury.</p>	
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## Storing and Maintenance

All parts of the item can be rinsed using salt water or fresh water. Before storing, we recommend a thoroughly cleaning with fresh water.

## Safety Regulations

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.

An expert maintenance technician fully familiar with the attendant hazards must only do all maintenance, inspection and repairs.

When working with the unit in areas, which are difficult to access or hazardous, ensure to take adequate safety precautions for the operator and others in compliance with the provisions of law on health and safety at work.

Replace worn component with original spare parts.

## Technical Specifications

<b>Materials:</b>		
	All metal parts:	AISI 316 stainless steel. Finish: Electro polish.
	Wheels for wire:	Brass.
	Wire:	Stainless steel wire.
	Weights:	Lead, 1 kg each. Maximum mounting: 8 pcs.
<b>Dimensions and weight:</b>		
	Overall dimensions, open. L x W x H:	71 x 22 x 20 cm
	Overall dimensions, closed. L x W x H:	45 x 22 x 90 cm.
	Weight, inclusive 4 lead weights:	10 kg net.
	Recommended steel wire for deployment:	Diameter: 3-4 mm
<b>Operational depth:</b>		
	Full oceanographic depth	>6000 m (No limits).

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