



VAN WALT
monitoring your needs

Sediment & Water Sampling



Dredges & Grabs

Sand & Silt Dredges, Bottom Dredges & Ekman Grab

- Ideal for sampling sand, silt and non-cohesive material
- Hinged scissor jaws that close when the sampler is lifted
- Designed for fast deployment & reduced sample loss
- Spring-loaded closing mechanisms
- Collects samples as they were in-situ to make sediment profile descriptions possible
- Made from strong, stainless steel

Specifications:

- 2.3 kg (5 lb.) Sand Silt Dredge; 6.8 kg (15 lb.) & 11.3 kg (25 lb.) Bottom Dredges; Ekman Dredge
- The 2.3kg, 6.8 kg and 11.3 kg bottom dredges close upon reaching the bottom surface.
- The Ekman Grab can be triggered to close using the messenger and rope, or by pushing on the top of the optional handle.
- Made from 300 series Stainless Steel, the arms are made of powder-coated carbon steel on the larger dredges.
- The Ekman Grab comes includes the dredge, messenger, 100' nylon rope, and a carry case. An optional 5ft handle is available.

Bottom Dredges				
Part	Description	Weight	Capacity	Surface
445.70	Sand Silt Dredge	2.3 kg	1 l	1025 cm ³
445.10	Bottom Dredge	6.8 kg	2.8 l	2833 cm ³
445.60	Bottom Dredge	11.3 kg	2.7 l	2687 cm ³
Ekman Grab				
445.11	Ekman Grab	5.9 kg		
Ekman Grab Accessories				
445.12	Ekman Grab Messenger	0.4 kg		
445.13	Ekman Grab Cable Kit	0.5 kg		
53864	Ekman 13 cm Handle	1.3 kg		
445.00	Nylon Rope	0.1 kg		



Sand Silt Dredge



Bottom Dredges



Ekman Grab

Our **Sand Silt Dredge** is an ideal grab sampler for sand or silt. It features a hinged scissor jaw that is 15.25 cm x 19 cm when fully opened. It is designed with a trigger mechanism that holds the sampler open until it contacts the surface being sampled. Raising the grab closes the scissor jaws to collect the sample.

The top of the **6.8 kg and 11.3 kg Bottom Dredges** are screened to allow water to flow through during deployment and to reduce displacement that may cause sample loss. A two-way mechanism prevents accidental closure while the dredge is dropping. The impact of the dredge on the bottom surface triggers the spring-loaded release mechanism to close the sampler. One of the jaws is fitted with an under lip to displace stones or gravel during closure. After closure, the dredge is pulled up to retrieve the sample. Both dredges feature a 15.25 cm x 15.25 cm jaw opening that provides a 92 cm² sampling area.

The spring-loaded **Ekman Grab** is triggered to close using a messenger that travels down the attached rope. Our package includes the grab, messenger, 100' nylon rope, and a carry case. An optional 5ft handle is available.

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Van Walt recommends: these are ideal for easy top layer sampling of sediments below water. They can work at great depths and are easy to deploy and recover your samples.