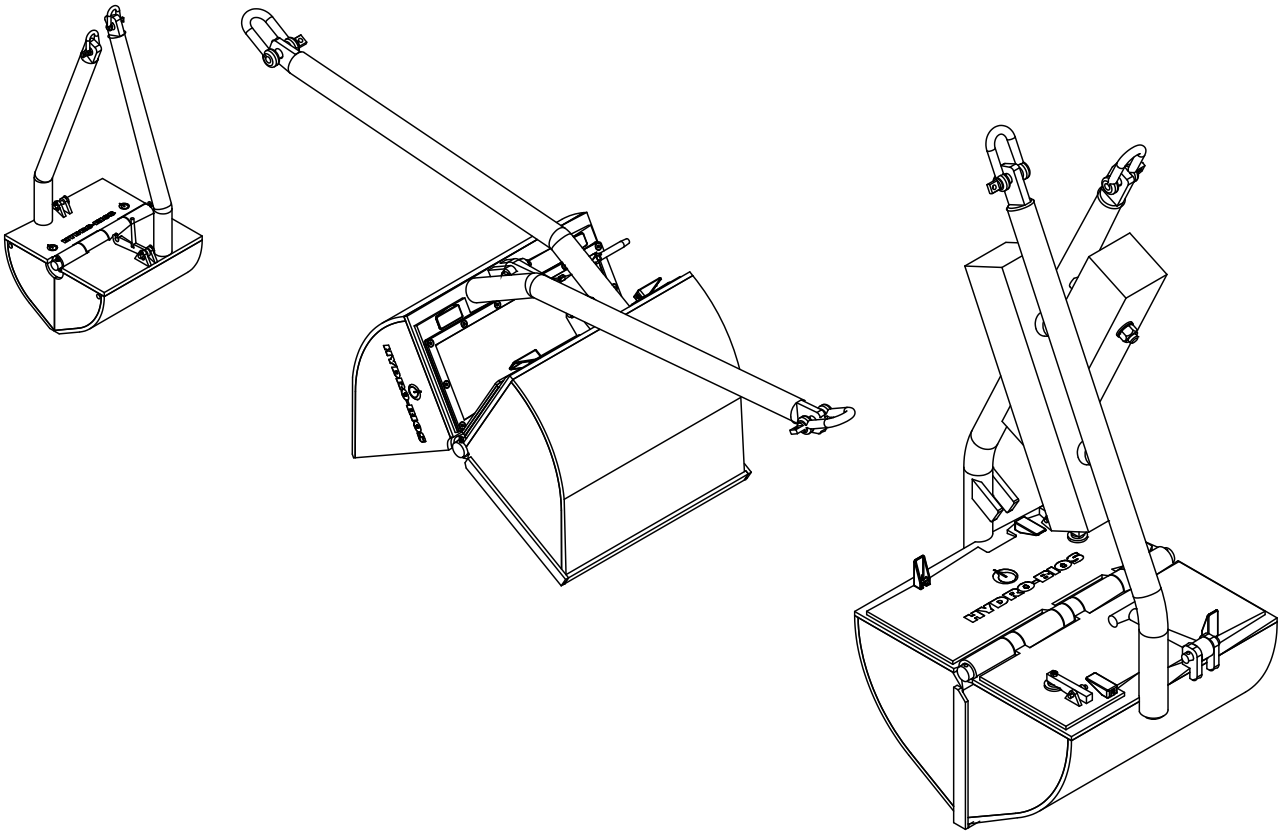


Bottom sampler acc. to VAN VEEN

OPERATION MANUAL

Product ID 437 330 - 338

Edition 01/25

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NOTICE



Please read this manual carefully before operating or performing maintenance on the instrument. Pay special attention to all danger, warning and caution statements. Failure to do so could result in serious injury and/or damage to the instrument. Keep manual available at all times.

LAYOUT AND MEANING OF WARNINGS

All safety instructions found in this operation manual are composed in accordance with the following pattern (signal words):

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.
NOTICE may also indicate a situation which, if not avoided, may cause damage to equipment.

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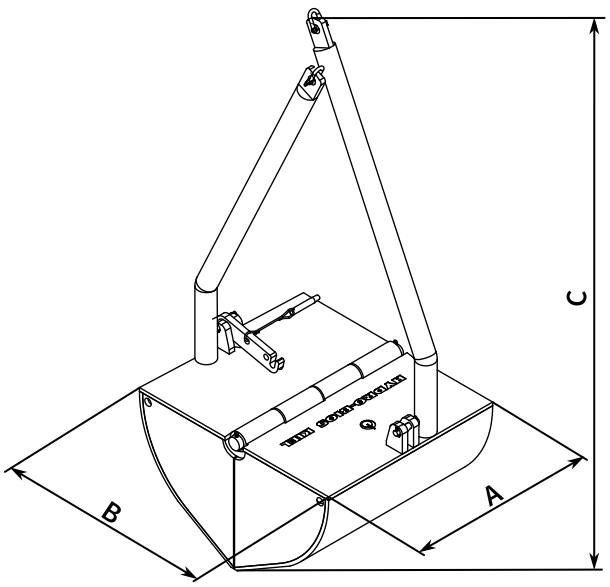
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GENERAL DESCRIPTION

The bottom sampler acc. to **Van Veen** is a qualitative sampler to achieve low-disturbed sediment samples in soft or medium hard grounds from any desired depth. It consists of two clamshell jaws connected by a hinge. During descent both levers are locked wide apart and the jars are open. Upon touching the water bed the locking mechanism is released and when the rope is pulled taut the jaws close. During retrieval the jaws are holding the sample and prevent sample wash-out.

TECHNICAL DATA:

Versions:	product-ID:	length (A) [cm]:	width (B) [cm]:	height (C) [cm]:	grasping area [cm^2]:	weight on air [kg]:	material:
Van Veen 5,5 kg incl. bridle	437 330	17	17	40	250	5.5	stainless steel
Van Veen 25 kg	437 332	31	35	80	1000	25	stainless steel
Van Veen 25 kg with hinged lid	437 336	31	35	80	1000	25	stainless steel
Van Veen 25 kg – EN ISO 16665	437 338	31	35	80	1000	25	stainless steel, silikone
Van Veen 60 kg with hinged lid	437 333	36	42	90	1250	60	stainless steel
Van Veen 60 kg – EN ISO 16665	437 337	36	42	90	1250	60	stainless steel, silikone



DEPLOYMENT

The two end eyes of the provided bridle are connected to the borings of the levers by means of two shackles (1). The centre eye of the bridle is used to shackle the bottom sampler to the mechanical termination of the winch rope.

The bottom sampler has to be opened before operation. Both levers (2) are spread wide apart so that the jaws (3) are completely open. Place the hook (4) on one side of the sampler in the receptacle on the opposite side. The security clip (5) (25 kg-model only) which is put into the hook avoids unintended closing of the sampler while still on board. This security clip must only be removed immediately before the bottom sampler is being lowered into the water.

CAUTION

PINCH POINT!
Keep hands and fingers clear from the closure jaws when open. Sudden release of the jaws may result in injury.

Now the bottom sampler is heaved by means of the winch rope so that the hook remains arrested. The security clip is removed and the bottom sampler is being lowered to the bottom of the sea. Upon making contact with the water bed, the locking mechanism releases and when the rope is pulled taut to raise the sampler the jaws close.

