

**Not reaching for the stars, but for the
bottom of the ocean!**

**The Video-Guided Hydraulic Deep-Sea Grab
by Oktopus**



Get to the bottom of things using the

The **Video-Guided Hydraulic Deep-Sea Grab** manufactured by **Oktopus** is best suited for sediment and rock sampling from the aquatic environment for geological research, e.g. the exploration of marine mineral resources. The telemetry system can be run on coax and coax/fibre optic hybrid cable (HFC). The grab can sample an area of 0.6 m² and has a sample volume of 0.6 m³ at a maximum density of 3 kg/dm³ (6.61 lbs/dm³). Of course, the Video-Guided Hydraulic Deep-Sea Grab was approved by the Germanischer Lloyd (DNV GL by now).



(C) Oktopus

Visit **www.oktopus-kiel.de** and learn more about our products and the advantages our customer-oriented manufacturing holds for you!

Video-Guided Hydraulic Grab by Oktopus!

Specifications

Mechanical

Dimensions (open/closed)

Width:	1600/1700 mm
Height:	2380/1980 mm
Depth:	1000 mm

Grab

Area of sample size:	ca. 1.6 m ²
Sample volume:	ca. 0.6 m ³
Weight in air:	2010 kg (4431.3 lbs)
Weight in water:	1750 kg (3858.1 lbs)
Force at the edge:	max. 45 kN

Cable

Diameter:	18.2 mm
Max. breaking load:	175 kN
Weight in air:	1150 kg/km (2535.3 lbs)
Weight in water:	920 kg/km (2028.3 lbs)
Max. working load at a safety factor of 2:	87.5 kN

Equipment

Video Telemetry System VDT3
Video-Camera II
2x Underwater Light HID50

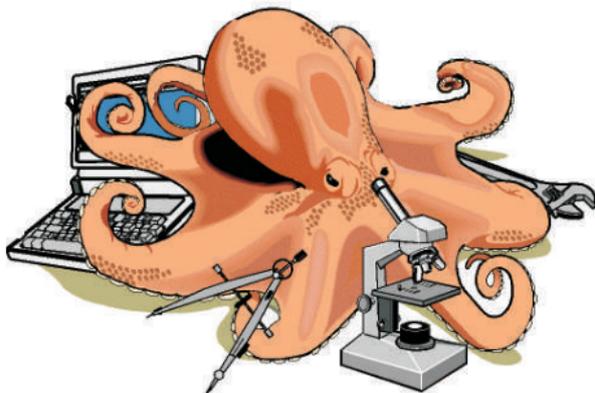
Subject to technical changes; as of 2010

Your application requires other specifications?

Please do not hesitate to contact our staff at **+49 431 7209350** or send us an email: **info@oktopus-mari-tech.de**.

OKTOPUS

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