

GEUS Vibrocorer

Vibrocorer: VKG (VibrationsKernGerät)

Technical data and crane requirements:	VKG-6	VKG-3
Height (operational)	7.4 m	4.7 m
Base (foot)	4.6 m	3.6 m
Weight inclusive drilling rod and 6 contraweight @ 50 kg.	850 kg.	550 kg
Same inclusive max sediment in the liner	1000 kg	700 kg
Coreliner PVC outside	110 mm	110 mm
Core diameter	106 mm	106 mm
Corelength max	6.0 m	3.0 m
Working area	6 x 9 m	5 x 6 m
Crane lifting capacity	2 ton	1 ton
Crane lifting height over rails	7.5 m	5.0 m
Crane boom length from shipside to drillingpoint min.	2.5 m	3.5 m
Hoisting wire non-rotating	12 mm	12 mm

Working depth	0 – 100 m
Mooring:	Treepoint mooring
Power:	380 V 3 phase+ ground 50 Hz
Fuse:	Min 25 A
Electromotor	4 kW/2880 rpm
Working current	10 – 16 A (20 A short)
Vibro-frequency	28 Hz
Drilling force	30 kN

Personnal: One driller, one crane operator and two assistants

