

terra
infrastructure

safety: efficient and sustainable



VIBRODRILL
VD 50

VIBRODRILL VD 50

Frequency from 85 Hz to 120 Hz

VD 50 is a VibroDrill especially developed for:

- Micropile drilling up to a casing diameter of 7 inches (Ø177.8 mm)
- Overburden drilling up to an outside casing diameter of 6 inches (Ø152.4 mm)
- Threaded hollow bar drilling (self-drilling anchors) up to a bar diameter of 4 inches (Ø101.6 mm)
- Geothermal drilling with one-time drill bit up to a casing diameter of 6 inches (Ø152.4 mm)
- Geotechnical drilling for soil sampling up to a diameter of 6 inches (Ø152.4 mm)

VD 50 has a standard built-in special rubber damping mechanism to avoid vibrations from being transferred into the drill mast.

VD 50 achieves optimum drilling performance in different types of soil by adjusting the static moment; different static moments are available.

VD 50 offers two different high-speed and high-pressure motors (480 cm³, 677 cm³).

VD 50 has a total weight of 496 kg.

Vibro Unit	Standard		
	85 Hz	100 Hz	120 Hz
Operating pressure	260 - 340 bar	260 - 340 bar	260 - 340 bar
Oil flow rate	72 l/min	72 l/min	72 l/min
Centrifugal force	95 kN	100 kN	90 kN
Motor size	1 x 14 cm ³	1 x 12 cm ³	1 x 10 cm ³
Casing weight	1.500 kg	1.200 kg	800 kg

Performance Data

Drilling performance	up to 1 m per minute
Drilling accuracy	more precise (1-2 % deviation)
Drilling angle	0° - 90° (horizontal - vertical)
Casing diameter max.	Ø177.8 mm
Drilling depth	up to 50 m
Soil conditions	sand, gravel, clay, medium-hard rock

OPTIONS

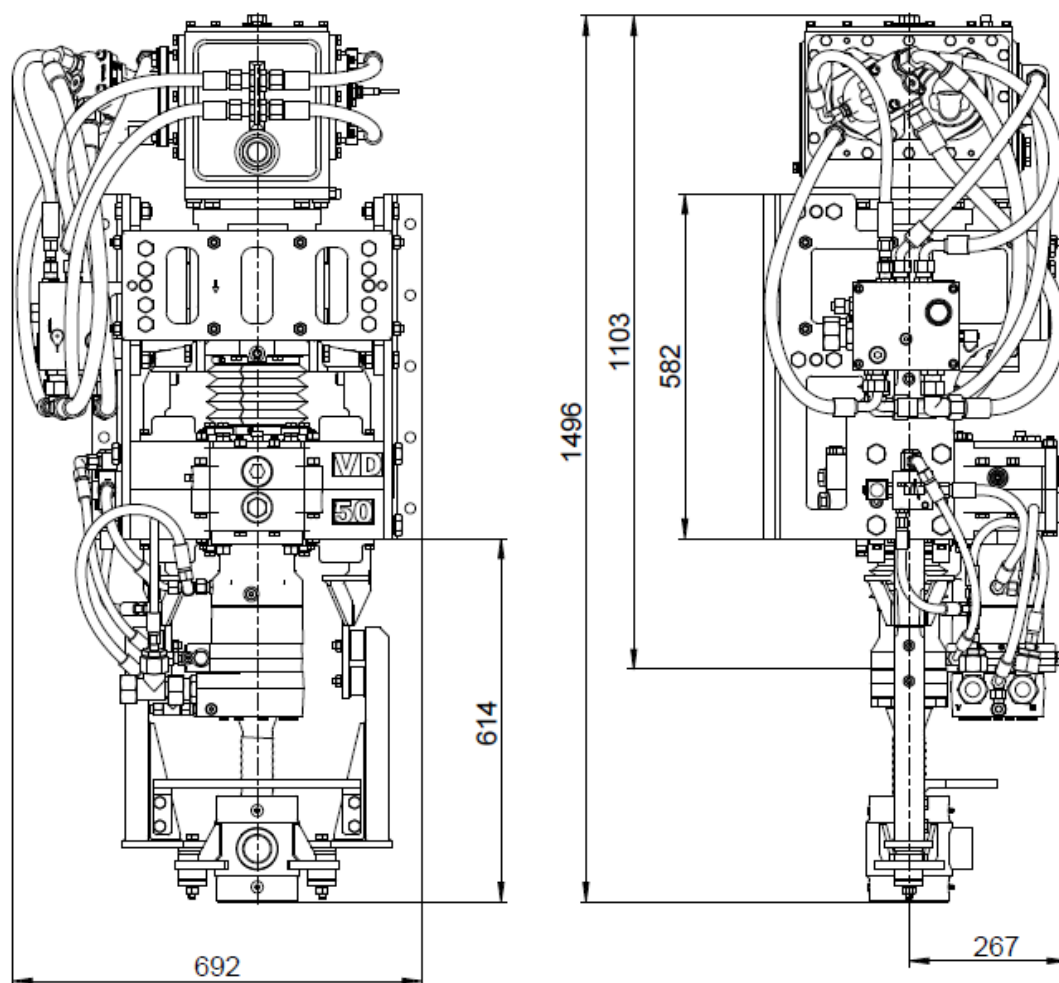
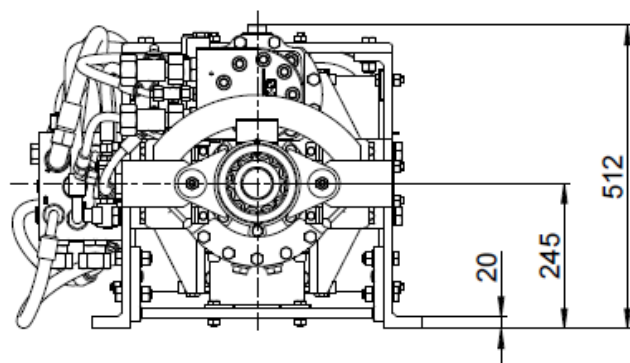
- External flushing head for casings, self-drilling hollow bars and soil sampling hollow bars and soil sampling
- Built-in RPM sensors with external box for speed and frequency indication
- Special drill rods, casings and drill bits
- Soil sampling drilling tools

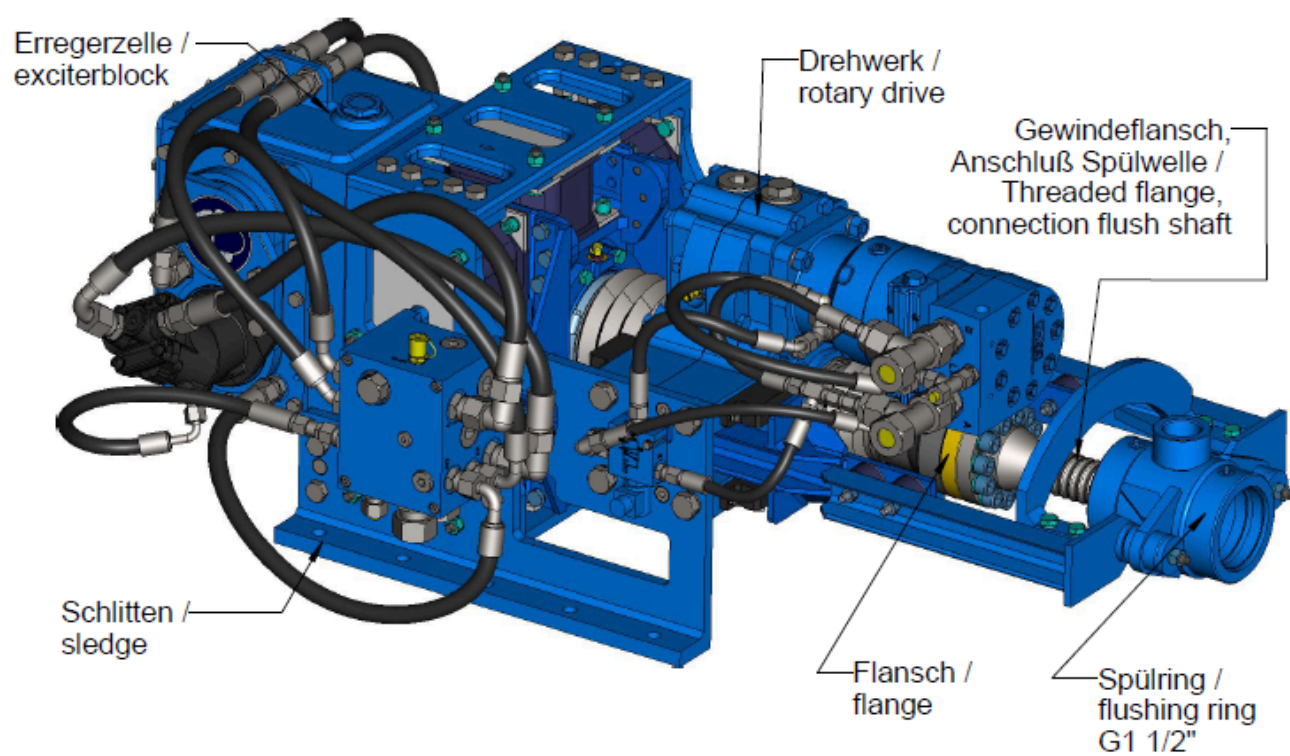
Rotary Drives

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Dimensions

push down force max. 22,5 kN
 retraction force max. 75 kN





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