

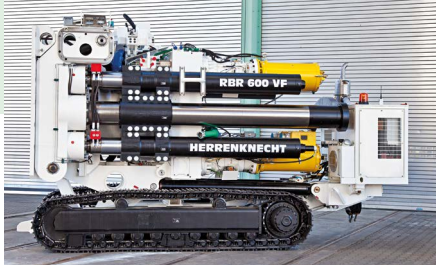
HERRENKNECHT RAISE BORING RIG RBR300VF: POWERFUL SHAFT BORING.

- Compact and easy to transport.
- Robust and powerful design.
- Mechanized wrench system and rod handling for improved work safety.
- Highly efficient variable frequency drive.

HERRENKNECHT



Tunnelling Systems



Transport system.



Pipe handling.



Control cabin.

RAISE BORING RIG RBR300VF. TECHNICAL SPECIFICATIONS.

RAISE BORING RIG

Reaming torque:	300kNm (221,000lbf.ft)
Max. static torque:	350kNm (258,000lbf.ft)
Thrust force:	4,500kN (1,011,000lbf)
Inclination (from vertical):	0-45°

DIMENSIONS

Height (extended/retracted):	6.29m/4.12m (20.63ft/13.54ft)
Width:	1.80m (5.90ft)
Depth:	2.03m (6.67ft)

WEIGHT

Rig:	19t (47,178lb)
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HOIST UNIT

Stroke:	2.15m (7.05ft)
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Modular design for high degree of flexibility.

PIPE HANDLER

Load:	800kg (1,763lb)
Handling system:	mechanized
Optional:	axial drill rod adjustment

WRENCH SYSTEM

Handling system:	mechanized wrap around wrench
Optional:	fully hydraulically operated

Mechanized drill rod handling and wrench system for safe and easy handling.

MAIN DRIVE

Drive:	electric (VF)
Number of motors:	1
Installed power:	250kW (335hp)
Rotational speed (pilot drilling):	0 - 50 1/min (0 - 50rpm)
Rotational speed (reaming):	0 - 17 1/min (0 - 17rpm)
Hydraulic drive system:	on request

Variable speed and torque limiting control.

DRIVEHEAD

Float:	90mm (3.54 inch)
Swivel:	±1°
Optional:	active float system

Drivehead with swivel and float function saves drill rod threads.

DRILL ROD

Diameter:	11 - 1/4 inch
Optional diameter:	12 - 7/8 inch
Length, s/s:	1.524m (60 inch)
Other sizes:	on request

HYDRAULIC POWER UNIT

Power:	75kW (100hp)
Cooling:	water-cooled

ELECTRIC CONTAINER

Input voltage:	400V
Frequency:	50/60Hz

CONTROL CABIN

Controls:	touch screen and control panel
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OPTIONAL EQUIPMENT

TOOLS

Digital Drilling Report
High pressure flushing pump
Transformer
Pipe Feeder
Transport frame
Control cabinet
Chiller system
Flow meters
Drilling tools
Other tools on request

CRAWLER

Drive:	diesel powered hydraulic drive
Power:	52kW (70hp)
Grade:	max. +25%
Optional:	forklift equipment

Crawler for quick and easy movement and erection of the rig.

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