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.
## RAISE BORING RIG RBR300VF.
### TECHNICAL SPECIFICATIONS.

### RAISE BORING RIG
- **Reaming torque:** 300kNm (221,000 lbf.ft)
- **Max. static torque:** 350kNm (258,000 lbf.ft)
- **Thrust force:** 4,500kN (101,000 lbf)
- **Inclination (from vertical):** 0 - 45°

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

### WEIGHT
- **Rig:** 19 t (47.178 lb)

### HOIST UNIT
- **Stroke:** 2.15m (7.05 ft)

### PIPE HANDLER
- **Load:** 800kg (1,763 lb)
- **Handling system:** mechanized
- **Optional:** axial drill rod adjustment

### WRENCH SYSTEM
- **Handling system:** mechanized wrap around wrench
- **Optional:** fully hydraulically operated

### MAIN DRIVE
- **Drive:** electric (VF)
- **Number of motors:** 1
- **Installed power:** 250kW (335 hp)
- **Rotational speed (pilot drilling):** 0 - 50 1/min (0 - 50 rpm)
- **Rotational speed (reaming):** 0 - 17 1/min (0 - 17 rpm)
- **Variable speed and torque limiting control.**

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

### 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 (100 hp)
- **Cooling:** water-cooled

### ELECTRIC CONTAINER
- **Input voltage:** 400V
- **Frequency:** 50/60Hz

### CONTROL CABIN
- **Controls:** touch screen and control panel

### 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 (70 hp)
  - **Grade:** max. +25%
  - **Optional:** forklift equipment

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

Variable speed and torque limiting control.

Drivehead with swivel and float function saves drill rod threads.

Herrenknecht AG is a technology and market leader in mechanized tunnelling. Herrenknecht is the only company in the world to supply high-tech boring machines for all ground conditions and in all diameters.