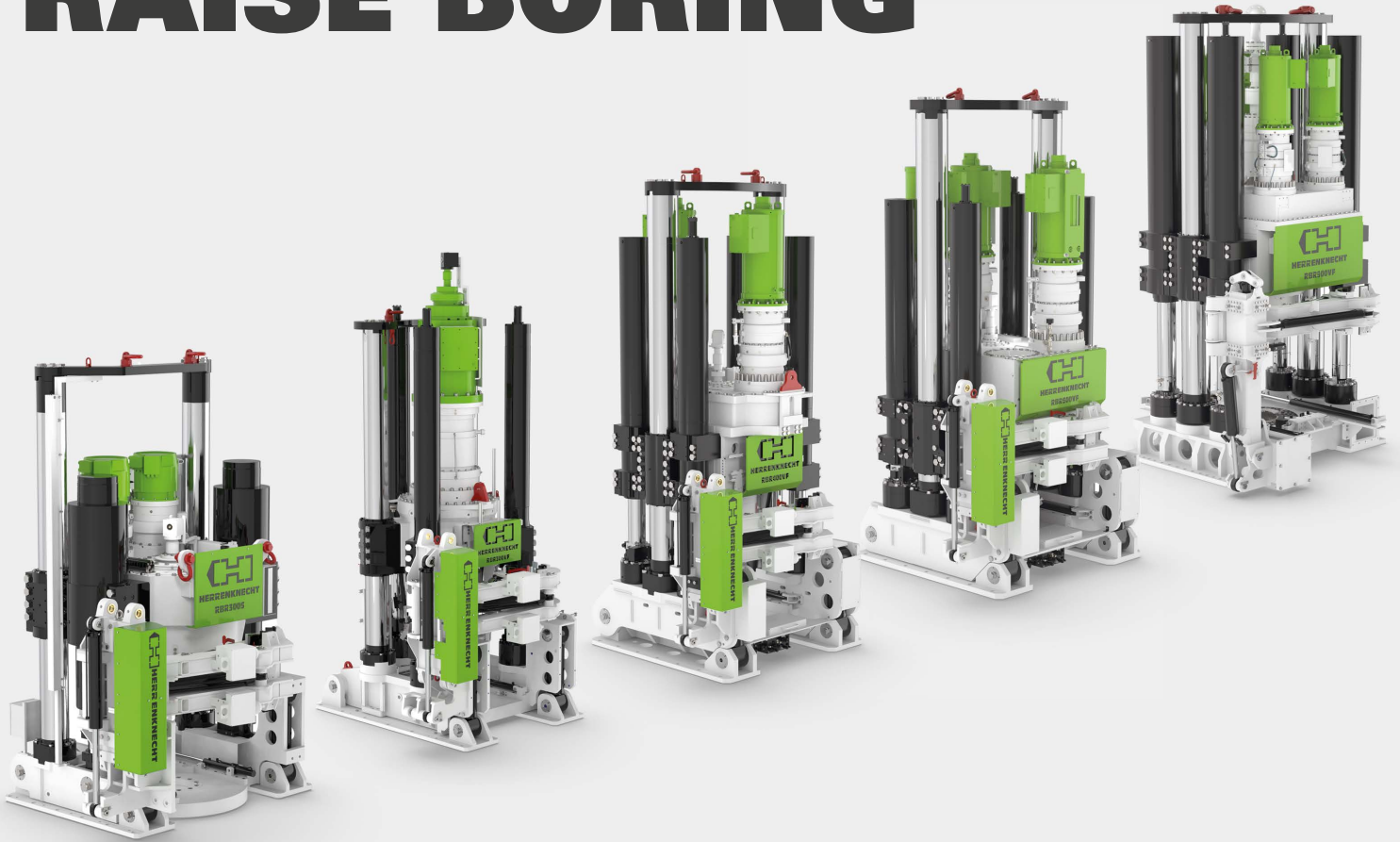


FULL RANGE RAISE BORING



Herrenknecht Raise Boring Rigs Advantages

- › Powerful drives for long raises and large diameters
- › Modular assemblies for high degree of flexibility
- › Compact modules for confined spaces
- › Robust design for harsh environments
- › Mechanized rod handling and remote controlled wrench units improve safety
- › Highly efficient variable frequency drives
- › Remote monitoring system for real time data analysis



More about RBR

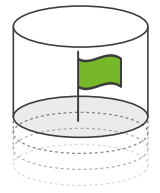
**PIONEERING
UNDERGROUND
TECHNOLOGIES**



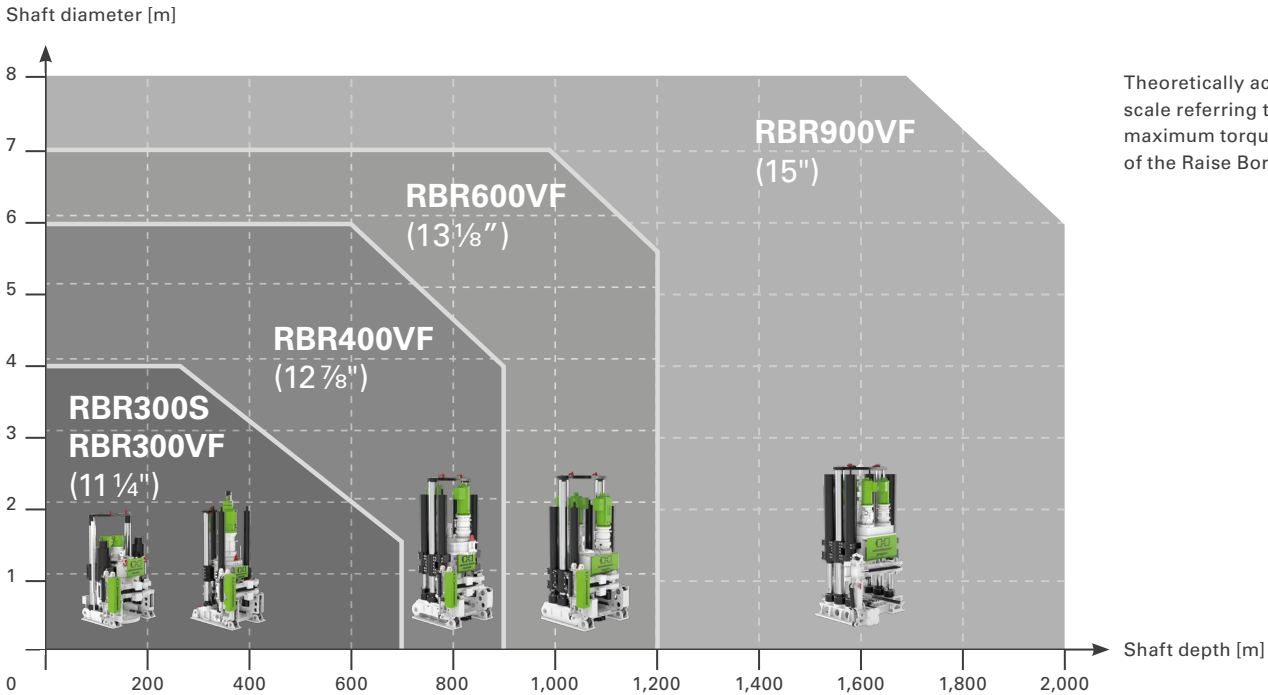
Herrenknecht Raise Boring Rigs are the solution for smart and safe shaft boring. Whether large ventilation shafts in hard rock formations or underground connection shafts, the product portfolio of Raise Boring Rigs from Herrenknecht offers the perfect solution for each application.

**DIAMETERS
UP TO
8 m**

**DEPTHS
UP TO
2,000 m**



Rig capabilities



Technical specifications



RBR300S



RBR300VF



RBR400VF



RBR600VF



RBR900VF

	RBR300S	RBR300VF	RBR400VF	RBR600VF	RBR900VF
Max. brake out torque	340 kNm (250,770 lbf.ft)	352 kNm (259,621 lbf.ft)	600 kNm (442,536 lbf.ft)	776 kNm (572,347 lbf.ft)	1,125 kNm (829,756 lbf.ft)
Reaming torque	263 kNm (193,978 lbf.ft)	257 kNm (189,553 lbf.ft)	452 kNm (333,377 lbf.ft)	568 kNm (418,934 lbf.ft)	900 kNm (663,804 lbf.ft)
Thrust force	4,500 kN (1,011,640 lbf.)	4,500 kN (1,011,640 lbf.)	9,200 kN (2,068,242 lbf.)	10,000 kN (2,248,089 lbf.)	22,000 kN (4,945,797 lbf.)
Installed power	240 kW (321 hp)	250 kW (335 hp)	360 kW (482 hp)	540 kW (724 hp)	720 kW (965 hp)
Drilling rods (others on request)	11 1/4 inch – 12 7/8 inch	11 1/4 inch	12 7/8 inch	12 7/8 inch – 15 inch	15 inch
Extended height	4.46 m (14.63 ft)	6.84 m (22.44 ft)	6.97 m (22.86 ft)	6.86 m (22.50 ft)	8.85 m (29.03 ft)

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HERRENKNECHT MINING
77963 Schwanau
Germany
Phone +49 7824 302-0
mining@herrenknecht.com
www.herrenknecht.com



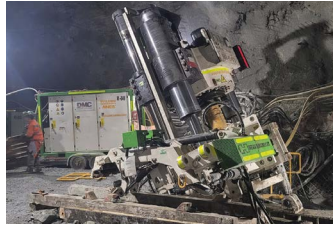
Herrenknecht Raise Boring Rig RBR

Project References



RAISE BORING RIG RBR300VF

- › Max. torque: 350kNm
- › Max. thrust force: 4,500kN
- › Drill rods: 11¼ inch
- › Location: Israel



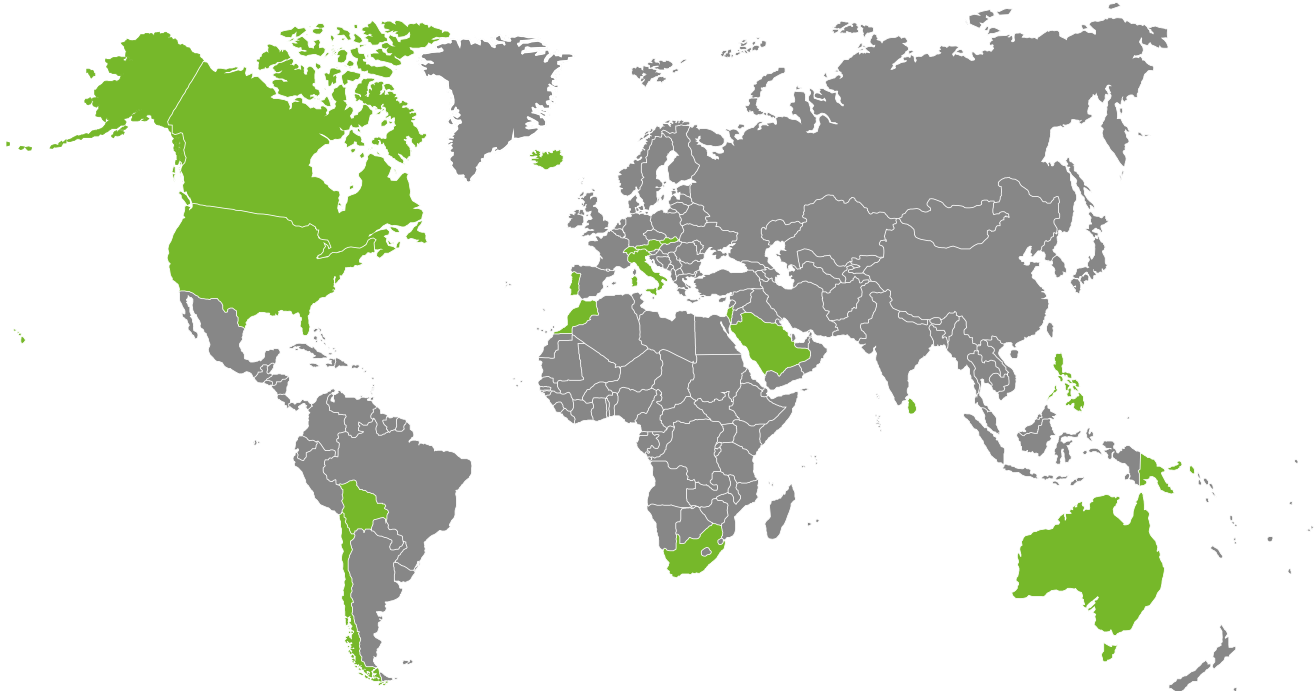
RAISE BORING RIG RBR300S

- › Max. torque: 340kNm
- › Max. thrust force: 4,500kN
- › Drill rods: 11¼ inch
- › Location: Chile



RAISE BORING RIG RBR400VF

- › Max. torque: 600kNm
- › Max. thrust force: 9,200kN
- › Drill rods: 12⅞ inch
- › Location: USA



RAISE BORING RIG RBR600VF

- › Max. torque: 776kNm
- › Max. thrust force: 10,000kN
- › Drill rods: 12⅞ inch
- › Location: Australia



RAISE BORING RIG RBR600VF

- › Max. torque: 776kNm
- › Max. thrust force: 10,000kN
- › Drill rods: 13⅞ inch
- › Location: Morocco



RAISE BORING RIG RBR900VF

- › Max. torque: 1,125kNm
- › Max. thrust force: 22,000kN
- › Drill rods: 15 inch
- › Location: Australia

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HERRENKNECHT MINING
 77963 Schwanau
 Germany
 Phone +49 7824 302-0
 mining@herrenknecht.com
 www.herrenknecht.com

