



Convert Your Drill into a “Rock Drill”

The Hardrock Directional Drilling System “The fastest Rock Drilling System Available”



Compressor

900scfm/350spsi

Support Pack

Rock Drill Oil Injection
Water injection
Compressor to Drill adapter



Horizontal Directional Drill



Water Truck

Dust Control
Sonde Cooling
2-4 Gal/Min

Design Highlights

- High Frequency design provides smoother steering and faster penetration rates (2,200 beats per minute with 900scfm/350spsi).
- System can be rebuilt in the field with no special or high cost tools required.
- Sonde housing can accommodate most Sondes available on the market.

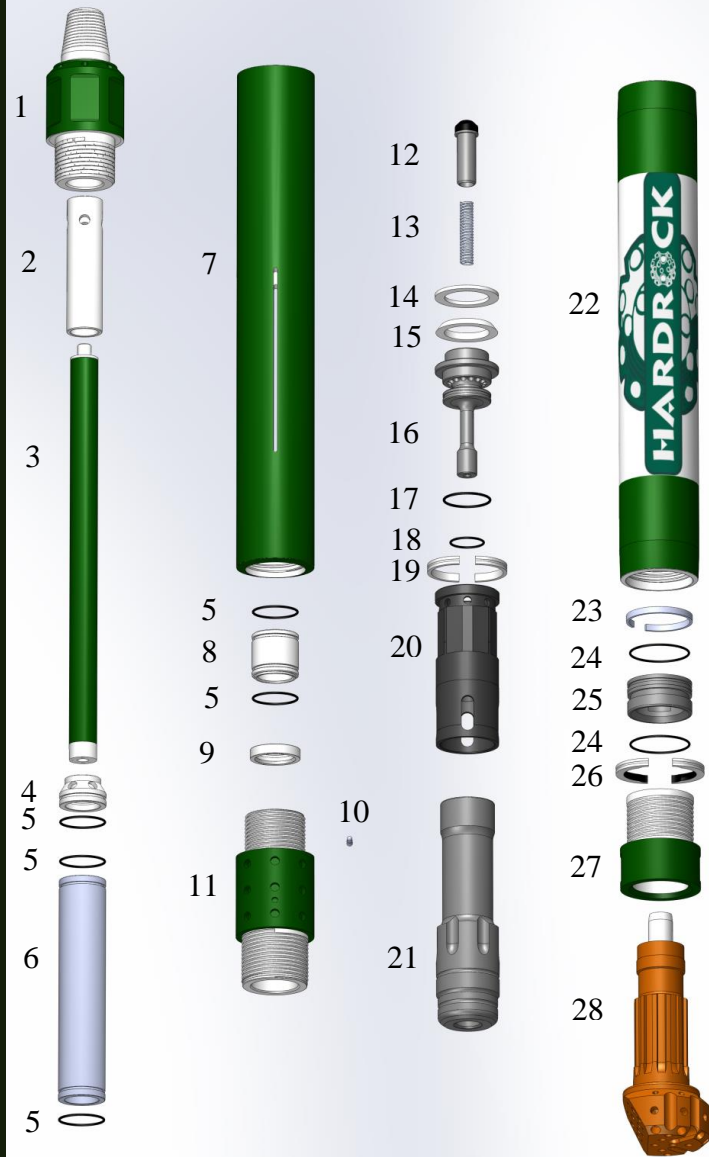
Advantages of the HDD 60

- Drills up to seven times faster than a mud motor in Rock.
- Low water consumption required at two to four gallons a minute.
- System adapts to most directional drills with a quick and easy ready to drill set up.
- Think of the compressor in terms of a fire hydrant – a continuous supply of water that you never have to get or clean up.
- Extensively tested and proven on live bores in all types of rock.
- System has the ability to steer in both rock and dirt.

“Don’t stop when you hit rock”

HARDROCK HDD 60 PARTS LIST & SPECIFICATIONS

Item	Description	Part no.	QTY.
Sonde Housing Assembly		HRHS501AS01	1
1	Sonde Housing Backhead	HRHS301BH01	1
2	Sonde Spacer	HRHS402SS01	1
3	DCI Sonde Carriage	HR585	1
4	Diverter	HRHS405DV01	5
5	O-Ring	HRHS421OR01	1
6	Sealing Sleeve	HRHS406SL01	1
7	Sonde Housing Sleeve	HRHS504SH01	1
8	Carriage Guide	HRHS407CG01	1
9	Sonde Housing Seating Ring	HRHS503SR01	1
10	Locating Pin	HRHS508LP01	1
11	Bent Sub	HRHD501BH01	1
Hammer Housing Assembly		HRHD501AS01	1
12	Check Valve	HRB502CV01	1
13	Check Valve Spring	HRB503SP01	1
14	Steel Make-up Ring	HRB504SM01	1
15	Lock Ring	HRB505LR01	1
16	Air Distributor	HRB507DR01	1
17	O-Ring	HRB521OR01	1
18	O-Ring	HRB523OR01	1
19	Seating Ring	HRB509SR01	2
20	Inner Cylinder	HRB508IC02	1
21	Piston	HRB510PN04	1
22	Wear Sleeve	HRHD511WS01	1
23	Piston Retaining Ring	HRB512PR01	1
24	O-Ring	HRD621OR01	2
25	Aligner	HRB513BB01	1
26	Bit Retaining Ring	HRB313BR03	2
27	Chuck	HRHD514CK01	1
28	Bit		1



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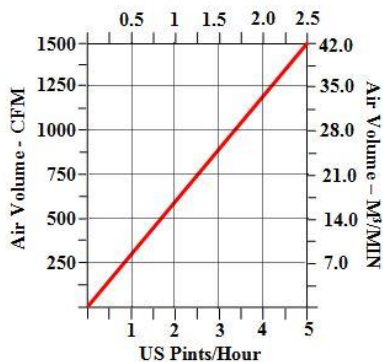
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ROCKDRILL OIL CONSUMPTION
Litres/Hour



In wet drilling (above 2gpm/8 lpm) the oil consumption should be doubled

ROCKDRILL OIL GRADE

