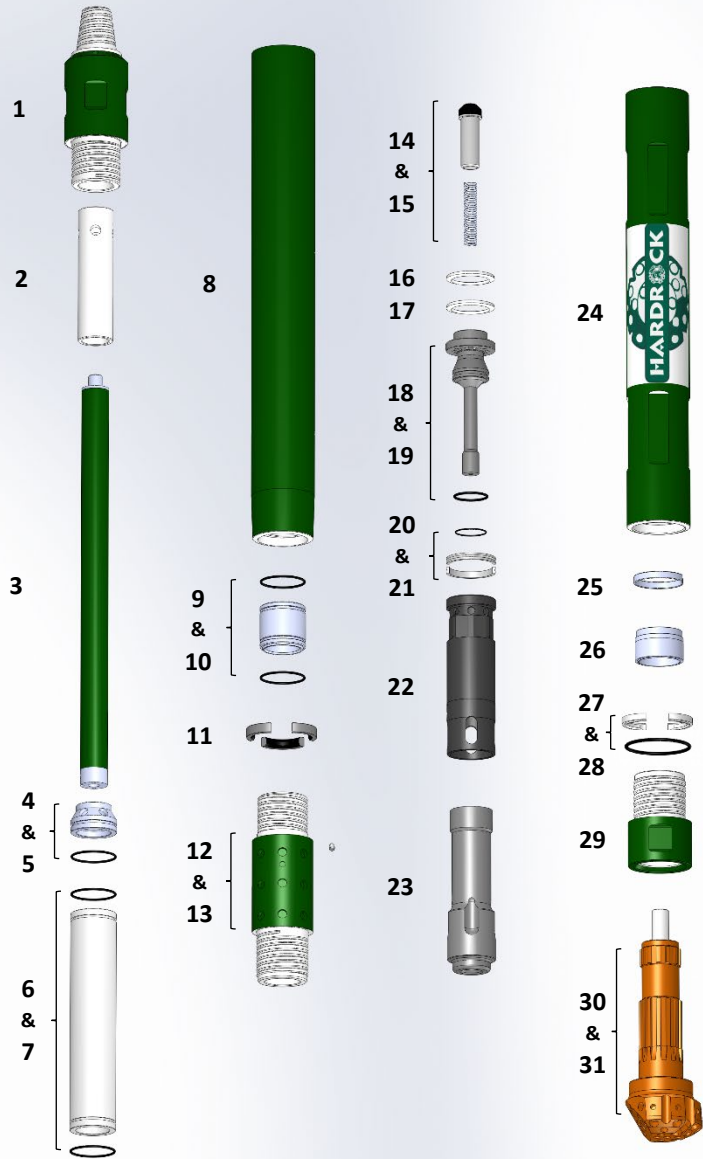


### Hardrock HDD 50 Parts List



Item	Description	Part no.	QTY.
<b>Sonde Housing Assembly</b>		<b>HRHDD50SA</b>	
1	Sonde Housing Backhead	HRHDD50BKH1	1
2	Sonde Spacer	HRHDD50SSP1	1
3	DCI Sonde Carriage	HR585	1
4	Diverter	HRHDD50DIV1	1
5	Diverter O Ring	HROR561	1
6	Sealing Sleeve	HRHDD56SSL1	1
7	Sealing Sleeve O Rings	HROR561	2
8	Sonde Housing Sleeve	HRHDD50SHS1	1
9	Carriage Guide	HRHDD56CG1	1
10	Carriage Guide O Rings	HROR561	2
11	Sonde Seating Ring	HRHDD50SSR1	1
<b>Hammer Housing Assembly</b>		<b>HRHDD50HA</b>	
12	Bent Sub 2 Degree	HRHDD50BS2	1
13	Locating Pin	HRHDD50LP1	1
14	Check Valve	HRHDD567CV1	1
15	Check Valve Spring	HRHDDCVS1	1
16	Steel Make-up Ring	HRHDD50SMU1	1
17	Lock Ring	HRHDD50LR1	1
18	Air Distributor	HRHDD50DIS1	1
19	Air Distributor O Ring	HROR501	1
20	Seating Ring	HRHDD50SR1	1
21	Seating Ring O Ring	HROR451	1
22	Inner Cylinder	HRHDD50IC1	1
23	Piston	HRHDD50PIS10	1
24	Hammer Housing Sleeve	HRHDD50HHS1	1
25	Piston Retaining Ring	HRHDD50PRR1	1
26	Aligner	HRHDD50ALI1	1
27	Bit Retaining Ring	HRHDD50BRR1	1
28	Bit Retaining Ring O Ring	HROR451	1
29	Chuck	HRHDD50CK1	1
30	Blow Tube	HRHDD50BLW1	1
31	Slant Bit	HRHDD50SBIT1	1