

HDD MONO-HAMMER WITH SLANT BIT

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- Slant face bit from 4.75" to 12" (120.5 mm - 305 mm).
- Bent sub and sonde housing available.
- Accepts all sondes, 15" & 19" (381-482.6 mm) and Ditch Witch® transmitters.
- Greater air flow through housing for optimal hammer performance.
- Excellent steering in all types of rock and clay.
- Wire-line adaptable.
- Easily adaptable to all HDD drill rigs.
- Smaller compressor requirements (job dependent).
- Reduced operating cost, no drilling fluid recycling needed.
- Typically only one GPM of drilling fluid for operation.
- Tested and proven to operate in sands and cobbles with proper drilling fluid.
- Rate of penetration (ROP) faster than conventional methods.



MODEL	RF35 HD		RF40 HD		RF55 HD		RF80 HD	
CPN	91003424		91003425		91003550		91003551	
GENERAL SPECIFICATIONS	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
Connection	2-3/8 API reg pin		2-3/8 API reg pin		3-1/2 API reg pin		4-1/2 API reg pin	
Bit Shank	DHD 35 HD		CR40 HD		QL50		QL80	
Reversible casing	NO		NO		YES		YES	
Outside diameter (in/mm)	3.5	88.9	4.0	101.6	5.0	127	7.1	180.3
Length with bit extended (in/mm)	69.0	1752.6	76.9	1953.3	82.6	2098	62.9	1597.7
Length with bit retracted (in/mm)	67.1	1719.3	75.8	1976.1	81.4	2067.6	63.9	1623.1
Assembly Weight w/Bit (lbs/kgs)	154	70	167	76	353	160	567	257
Piston Weight	10.5	4.8	20.0	9.1	31.5	14.3	107.2	48.6
Slant Face Bit Diameter (in/mm)	4.75	120.6	5.75	146.0	6.75	171.45	8.75	222.25
Make-up Torque (ft-lb & N-m)	3000	4067.5	4000	5423.3	5000	6779.1	8000	10846.5
Minimum Air	400/200	11.2/13.8	400/200	11.3/13.8	675/250	19.1/17.2	1000/350	28.3/24.1
Recommended Air	700/350	19.8/24.1	900/350	25.5/24.1	1150/350	32.6/24.1	1350/350	38.2/24.1
AIR CONSUMPTION								
100 psi/6,9 bar (scfm/m ³ /min)	142	4.0	183	5.2	149	4.2	358	10.1
150 psi/10,3 bar (scfm/m ³ /min)	219	6.2	284	8.0	247	7.0	571	16.1
200 psi/ 13,8 bar (scfm/m ³ /min)	288	8.1	386	10.9	360	10.2	808	22.8
250 psi/ 17,2 bar (scfm/m ³ /min)	348	9.8	488	13.8	488	13.8	1067	30.2
300 psi/ 20,7 bar (scfm/m ³ /min)	400	11.3	590	16.7	632	17.8	1350	38.1
350 psi/ 24,1 bar (scfm/m ³ /min)	444	12.5	691	19.5	791	22.3	1656	46.8