



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



DTH HAMMER

ROK 350-003

2-3/8" API Reg Box
Recommended Bit Diameter
95 - 105mm [3.7" - 4.1"]



Features:

- High Performance Design
- Integrated SonicFlow Technology
- Patented Innovations
- Superior Penetration Rates
- Reduced Number of Components
- Easy Assembly / Maintenance
- Advanced Materials / Heat-Treatment
- Extended Service Life

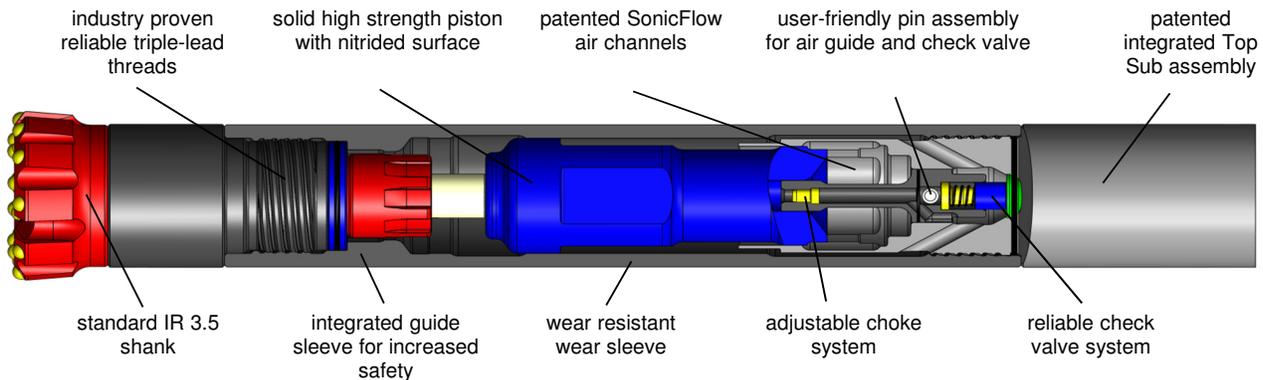
Applications:

- Mining / Blast Hole
- Environmental
- Geothermal
- Construction / Quarry
- Exploration

SonicFlow Technology greatly improves the air flow characteristics within the ROK hammer and ensures that the high pressure air paths are optimized to deliver greater energy to the piston. This is achieved by incorporating scientific air flow concepts in the design of the hammer and its various components such as the Top Sub, Piston, and Wear Sleeve. This technology results in more impact energy to the bit and produces higher penetration rates and better overall hammer performance.



Innovative Design Features



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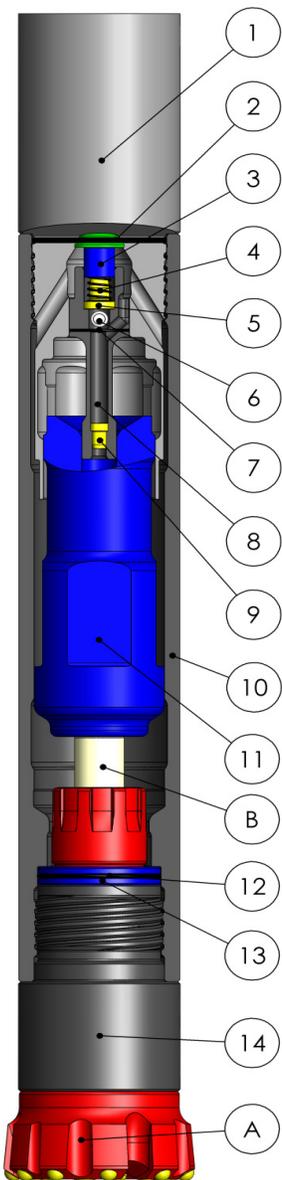


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**Integrated SonicFlow
Technology**

ROK 350-003



Patented

Parts List

Item	Part Number	Description
	ROK 350-003	DTH Hammer, 350, IR 3.5, 2-3/8" API Reg Box
1	350TS-002	Top Sub, 2-3/8" API Reg Box
2	R2-230	O-Ring, 2.484" X 0.139"
3	CV-001	Check Valve
4	SP-001	Spring
5	SR-002	Spring Rest
6	PN-004	Pin, 0.625" Dia, 2.75" L
7	R2-135	O-Ring, 1.925" X 0.103"
8	AG-002	Air Guide
9	CH-005	Choke, Nylon
10	350WS-001	Wear Sleeve
11	PT-004	Piston
B	BTIR35HD-1018	IR 3.5HD Blow Tube
12	R2-226	O-Ring, 1.984" X 0.139"
13	BR-004	Bit Retainer Ring
14	350DS-001	Driver Sub
A	DTH Bit	IR 3.5 Shank

Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	4.9 m3/min [178 SCFM]
17.2 Bar [250 PSI]	8.5 m3/min [309 SCFM]
24.1 Bar [350 PSI]	12.3 m3/min [448 SCFM]
Oil consumption at 24.1 Bar (350 PSI):	0.3 l/hr [0.08 gallon/hr]
Recommended rotation speed:	35 r/min to 95 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

Technical Specifications

Standard Top Sub	2-3/8" API Reg Box
Bit shank type	IR 3.5
Recommended bit diameter, mm [in]	95 to 105 [3.7 to 4.1]
Outside diameter, mm [in]	85 [3.3]
Wear sleeve discard diameter, mm [in]	78 [3.1]
Length without drill bit, mm [in]	905 [35.6]
Weight without drill bit, kg [lbs]	25.2 [55.6]

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