



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



IR 3.5 Bit Shank

DTH HAMMER

ROK 350

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

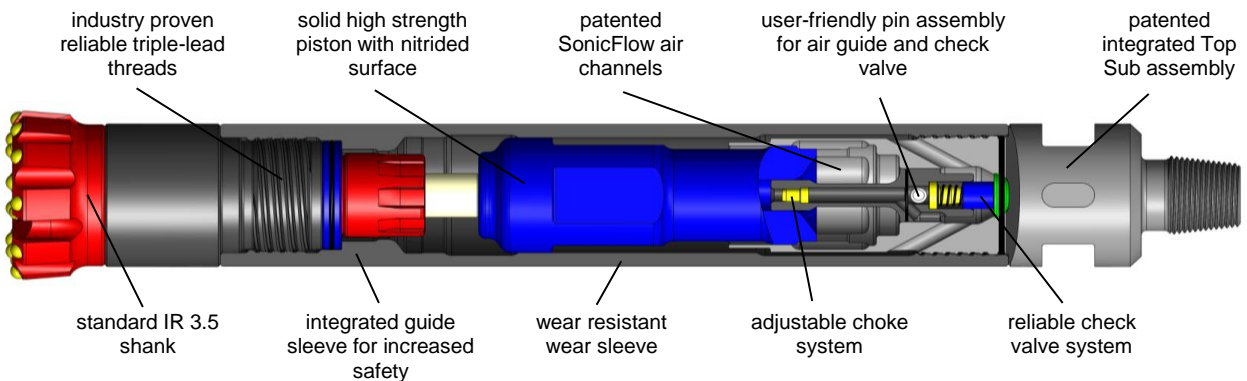
Applications:

- 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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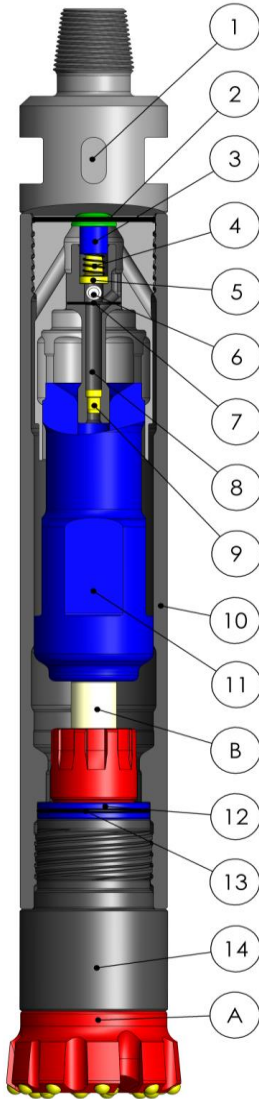
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**Integrated SonicFlow
Technology**

ROK 350



Patented

Parts List

Item	Part Number	Description
1	ROK350-001 350TS-001	DTH Hammer, 350, IR 3.5, 2-3/8" API Reg Pin Top Sub, 2-3/8" API Reg Pin - <i>includes o-ring</i>
1	ROK350-003 350TS-002	DTH Hammer, 350, IR 3.5, 2-3/8" API Reg Box Top Sub, 2-3/8" API Reg Box - <i>includes o-ring</i>
1	ROK350-005 350TS-003	DTH Hammer, 350, IR 3.5, Cubex #21 Pin with Splines Top Sub, Cubex #21 Pin with Splines - <i>includes o-ring</i>
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 - <i>includes o-ring and choke</i>
9	CH-005	Blank 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 - <i>includes o-ring</i>
14	350DS-001	Driver Sub
A	DTH Bit	IR 3.5 Shank
	CHSET-002	Choke Set, Nylon, 1 each of CH-005 - 0" (0mm), CH-006 - 1/16" (2mm), CH-007 - 1/8" (3mm), CH-008 - 3/16" (5mm)

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:	0.2 l/hr per 3.0 m3/min [1/3 pint/hr per 100 cfm]
Recommended rotation speed:	35 r/min to 95 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

Technical Specifications

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]
Wrench flat size on Top Sub, mm [in]	64 [2.5]
Effective Length without drill bit, mm [in]	828 [32.6] - <i>only for ROK350-001</i>
Weight without drill bit, kg [lbs]	24.4 [53.8] - <i>only for ROK350-001</i>

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