



**ROCKMORE**  
INTERNATIONAL  
Rock Drilling Tools



2-3/8" API Reg Box  
Heavy Duty Bit Retainer Rings  
IR 3.5 HD Driver Sub

**DTH HAMMER**

**ROK 350-004**

**Recommended Bit Diameter**  
95 - 105mm [3.7 - 4.1 in]



**Features:**

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

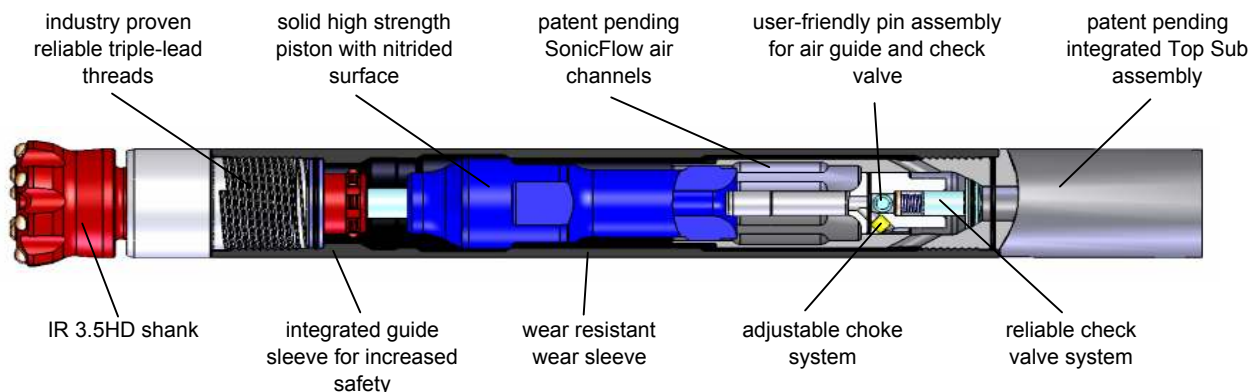
**SonicFlow Technology** greatly improves the air flow characteristics within the ROK hammer and ensures that the high pressure air paths are optimized to deliver greater energy to the piston. This is achieved by incorporating scientific air flow concepts in the design of the hammer and its various components 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.



**Applications:**

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

**Innovative Design Features**



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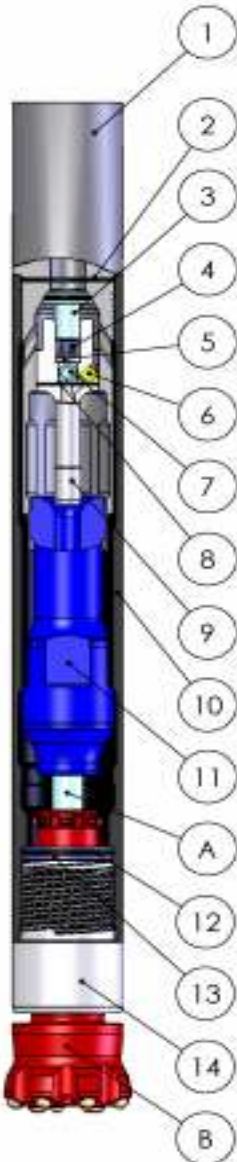
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**Integrated SonicFlow  
Technology**

# ROK 350-004



Patent Pending

## Parts List

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

## Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	4.9 m <sup>3</sup> /min [178 SCFM]
17.2 Bar [250 PSI]	8.5 m <sup>3</sup> /min [309 SCFM]
24.1 Bar [350 PSI]	12.3 m <sup>3</sup> /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 in]

## Technical Specifications

Standard Top Sub	2-3/8" API Reg Box
Bit shank type	IR 3.5HD
Recommended bit diameter, mm [in]	95 to 105 [3.7 to 4.1]
Outside diameter, mm [in]	85 [3.4]
Wear sleeve discard diameter, mm [in]	78 [3.1]
Length without drill bit, mm [in]	838 [33.0]
Weight without drill bit, kg [lbs]	23 [51]

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