



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



3-1/2" API Reg Pin
Top Sub With Back Reaming Buttons
Heavy Duty Diameter

DTH HAMMER

ROK 65-360-001

Recommended Bit Diameter
165 - 178mm [6.5" - 7.0"]

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

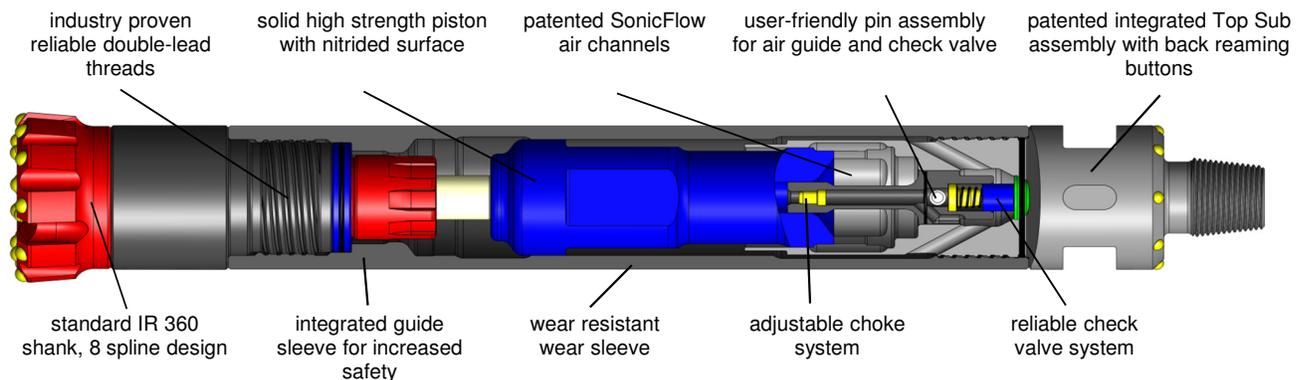
Applications:

- Mining / Blast Hole
- Construction / Quarry
- Water-Well • Geothermal

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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Rev. 10-28-19



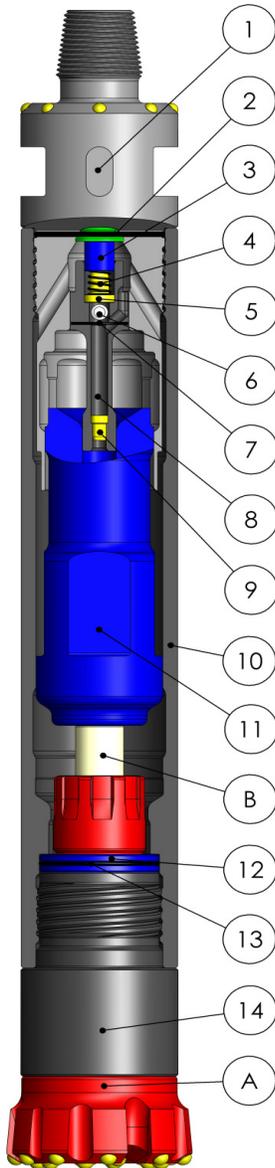
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**Integrated SonicFlow
Technology**

ROK 65-360-001



Patented

Parts List

Item	Part Number	Description
	ROK 65-360-001	DTH Hammer, 65, IR 360, 3-1/2" API Reg Pin
1	650TS-001	Top Sub, 3-1/2" API Reg Pin with Back Reaming Buttons
2	R2-349	O-Ring, 4.475" X 0.210"
3	CV-002	Check Valve, Rubber
4	SP-001	Spring
5	SR-002	Spring Rest
6	PN-001	Pin, 0.625" Dia, 4.5" L
7	R2-135	O-Ring, 1.925" X 0.103"
8	AG-001	Air Guide
9	CH-005	Choke, Nylon
10	650WS-002	Wear Sleeve
11	PT-012	Piston
B	BT360-1005	IR 360 Blow Tube
12	R2-236	O-Ring, 3.234" X 0.139"
13	BR-008	Bit Retainer Ring
14	650DS-004	Driver Sub
A	DTH Bit	IR 360 Shank
	CHSET-002	Choke Set, Nylon, 1 each of 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]	7.4 m ³ /min [268 SCFM]
17.2 Bar [250 PSI]	15.8 m ³ /min [575 SCFM]
24.1 Bar [350 PSI]	24.9 m ³ /min [905 SCFM]
Oil consumption at 24.1 Bar (350 PSI):	0.7 l/hr [0.2 gallon/hr]
Recommended rotation speed:	15 r/min to 60 r/min
Minimum diameter difference between wear sleeve and bit:	12 mm [0.47"]

Technical Specifications

Standard Top Sub	3-1/2" API Reg Pin
Bit shank type	IR 360
Recommended bit diameter, mm [in]	165 to 178 [6.5 to 7.0]
Outside diameter, mm [in]	149 [5.9]
Wear sleeve discard diameter, mm [in]	129 [5.1]
Wrench flat size on Top Sub, mm [in]	95 [3.74]
Length without drill bit, mm [in]	1092 [43.0]
Weight without drill bit, kg [lbs]	95 [208.6]

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