



ROCK MORE
INTERNATIONAL
Rock Drilling Tools



4-1/2" API Reg Pin
Lower Air Consumption

DTH HAMMER

ROK 800A-001

Recommended Bit Diameter
200 - 254mm [7.9" - 10.0"]

Features:

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



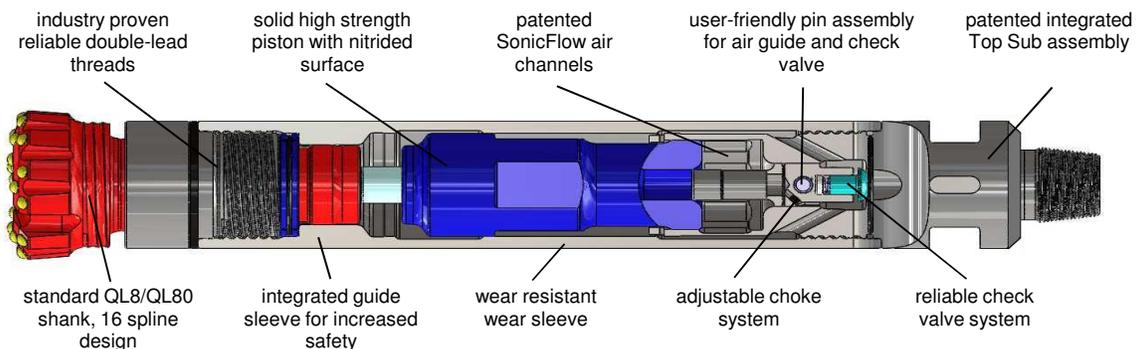
SonicFlow Technology greatly improves the air flow characteristics within the ROK hammer and ensures that the high pressure air paths are optimized to deliver greater energy to the piston. This is achieved by incorporating scientific air flow concepts in the design of the hammer and its various components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

Innovative Design Features



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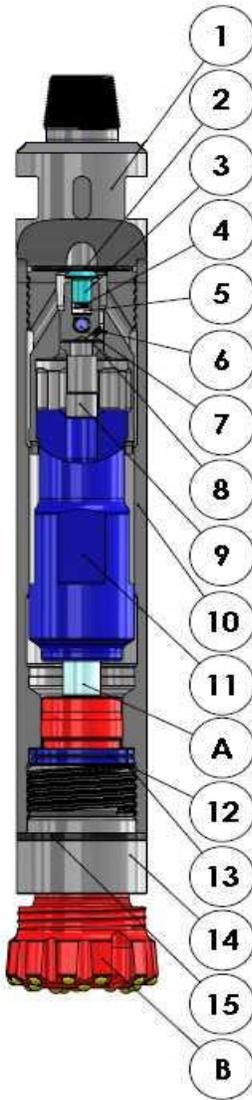


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**Integrated SonicFlow
Technology**

ROK 800A-001



Patented

Parts List

Item	Part Number	Description
	ROK 800A-001	DTH Hammer, 800A, QL8/QL80, 4-1/2" API Reg Pin
1	800ATS-001	Top Sub, 4-1/2" API Reg Pin
2	R2-431	O-Ring, 5.250" X 0.250"
3	CV-003	Check Valve
4	SP-001	Spring
5	SR-002	Spring Rest
6	CH-001	Choke
7	PN-005	Pin, 1.000" Dia, 5.6" L
8	R2-226	O-Ring, 1.984" X 0.139"
9	AG-005	Air Guide
10	800AWS-001	Wear Sleeve
11	PT-023	Piston
A	BTQL8-1015	QL8/QL80 Blow Tube
12	R2-431	O-Ring, 5.250" X 0.250"
13	BR-006	Bit Retainer Ring
14	800ADS-001	Driver Sub
15	800ABO-001	Break Out Ring
B	DTH Bit	QL8/QL80 Shank
	CHSET-001	Choke Set, 1 each of CH-002 - 1/16" (2mm), CH-003 - 1/8" (3mm), CH-004 - 3/16" (5mm)

Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	7.2 m ³ /min [256 SCFM]
17.2 Bar [250 PSI]	19.5 m ³ /min [689 SCFM]
24.1 Bar [350 PSI]	33.7 m ³ /min [1189 SCFM]
Oil consumption at 24.1 Bar (350 PSI):	0.8 l/hr [0.21 gallon/hr]
Recommended rotation speed:	14 r/min to 50 r/min
Minimum diameter difference between wear sleeve and bit:	12 mm [0.47"]

Technical Specifications

Standard Top Sub	4-1/2" API Reg Pin
Bit shank type	QL8/QL80
Recommended bit diameter, mm [in]	200 to 254 [7.9 to 10.0]
Outside diameter, mm [in]	182 [7.2]
Wear sleeve discard diameter, mm [in]	175 [6.9]
Wrench flat size on Top Sub, mm [in]	125 [4.9]
Length without drill bit, mm [in]	1284 [50.6]
Weight without drill bit, kg [lbs]	153 [336.6]

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