



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



4-1/2" API Reg Pin
Top Sub With Back Reaming Buttons
Heavy Duty Wear Sleeve

DTH HAMMER

ROK 875-001

Recommended Bit Diameter
215 - 254mm [8.5 - 10.0 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

Applications:

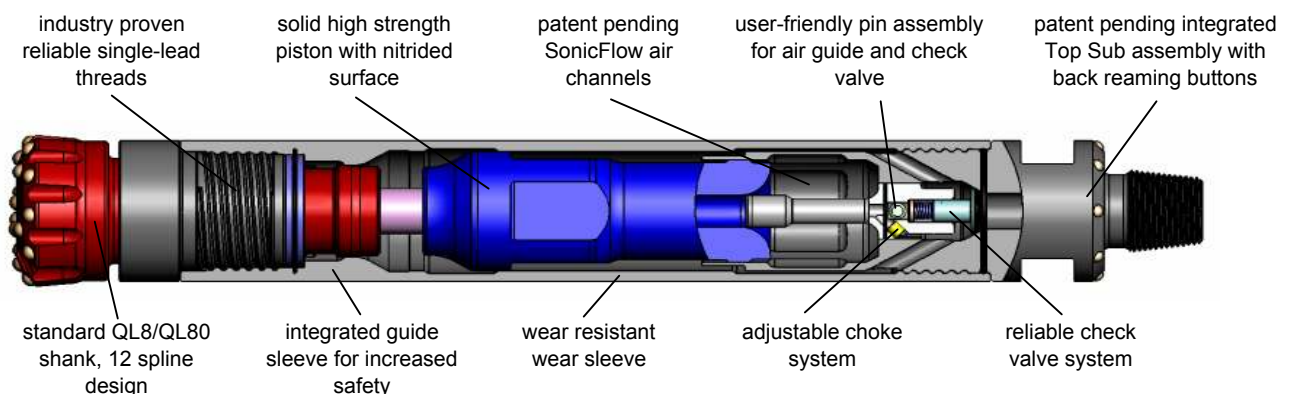
- Mining / Blast Hole
- Construction / Quarry



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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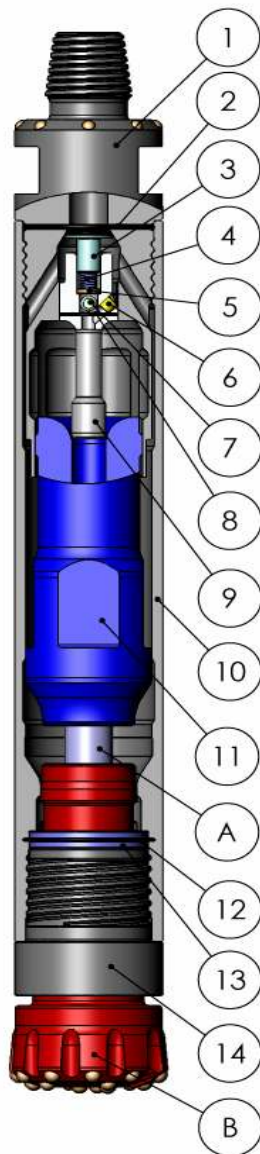
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Rev. 7-13-09

**Integrated SonicFlow
Technology**

ROK 875-001



Patent Pending

Parts List

Item	Part Number	Description
	ROK 875-001	DTH Hammer, 875, QL8/QL80, 4-1/2" API Reg Pin
1	875TS-001	Top Sub, 4-1/2" API Reg Pin
2	R2-431	O-Ring, 5.250 in X 0.250 in
3	CV-003	Check Valve
4	SP-001	Spring
5	SR-002	Spring Rest
6	CH-001	Choke
7	PN-005	Pin, 1.000 in Dia, 5.6 in L
8	R2-226	O-Ring, 2.000 in X 0.125 in
9	AG-005	Air Guide
10	875WS-001	Wear Sleeve, with Integrated Guide Sleeve
11	PT-008	Piston
A	BTQL8-1015	QL8/QL80 Blow Tube
12	R2-431	O-Ring, 5.250 in X 0.250 in
13	BR-006	Bit Retainer Ring
14	875DS-001	Driver Sub
B	DTH Bit	QL8/QL80 Shank

Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	11.6 m ³ /min [420 SCFM]
17.2 Bar [250 PSI]	23.8 m ³ /min [864 SCFM]
24.1 Bar [350 PSI]	39.7 m ³ /min [1440 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 in]

Technical Specifications

Standard Top Sub	4-1/2" API Reg Pin
Bit shank type	QL8/QL80
Recommended bit diameter, mm [in]	215 to 254 [8.5 to 10.0]
Outside diameter, mm [in]	188 [7.4]
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]	184 [405.6]

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