



**ROCKMORE**  
INTERNATIONAL  
Rock Drilling Tools



4-1/2" API Reg Pin  
Top Sub With Back Reaming Buttons  
Lower Air Consumption

**DTH HAMMER**

**ROK 87A-380-001**

**Recommended Bit Diameter**  
215 - 254mm [8.5" - 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

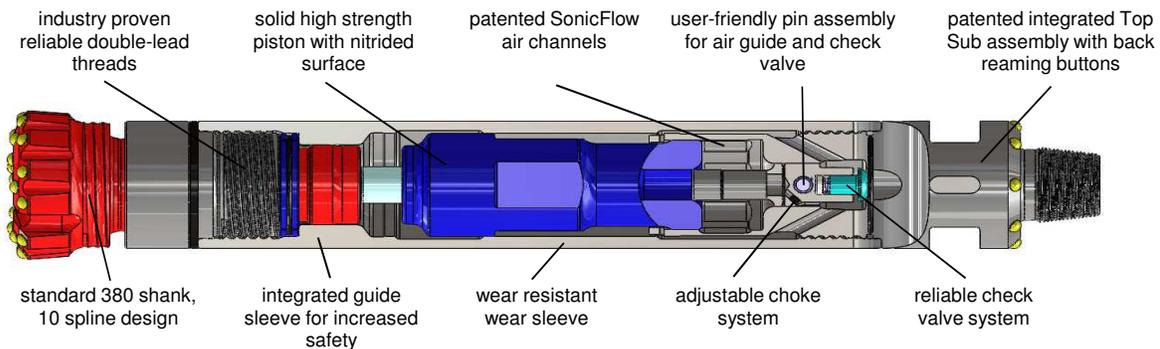
**Applications:**

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

**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. 1-11-19

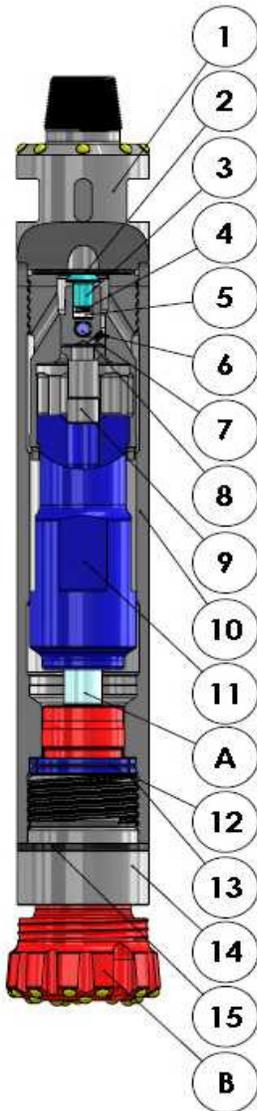


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**Integrated SonicFlow  
Technology**

# ROK 87A-380-001



Patented

## Parts List

Item	Part Number	Description
	ROK 87A-380-001	DTH Hammer, 87A, 380, 4-1/2" API Reg Pin
1	875ATS-001	Top Sub, 4-1/2" API Reg Pin with Back Reaming Buttons
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	87AWS-001	Wear Sleeve
11	PT-032	Piston
A	BT380-1006	380 Blow Tube
12	R2-431	O-Ring, 5.250" X 0.250"
13	BR-006	Bit Retainer Ring
14	87ADS-001	Driver Sub
15	875ABO-001	Break Out Ring
B	DTH Bit	380 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 m3/min [256 SCFM]
17.2 Bar [250 PSI]	19.5 m3/min [689 SCFM]
24.1 Bar [350 PSI]	33.7 m3/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	380
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]	1303 [51.3]
Weight without drill bit, kg [lbs]	181 [398.0]

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