



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



IR 380 Bit Shank
Top Sub With Back Reaming Buttons
Lower Air Consumption

DTH HAMMER **ROK 87A-380** **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

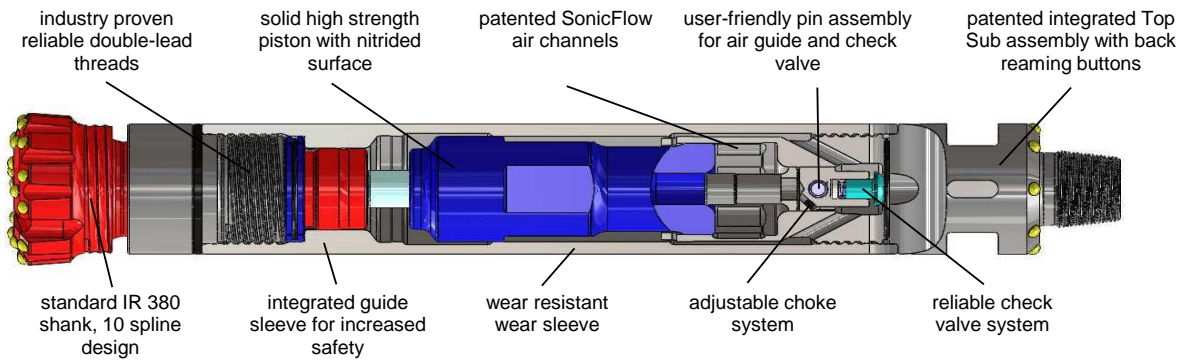
Applications:

- 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



ROCKMORE International, Inc. 10065 S.W. Commerce Circle; Wilsonville, OR 97070, USA
Tel: +1-503-682-1001; Fax: +1-503-682-1002; info@rockmore-intl.com
ROCKMORE International GmbH Collini - Strasse 2; A-8750 Judenburg - Austria
Tel: +43 3572 86 300-0; Fax: +43 3572 84 179; austria@rockmore-intl.at

www.rockmore-intl.com

Rev. 6-11-24

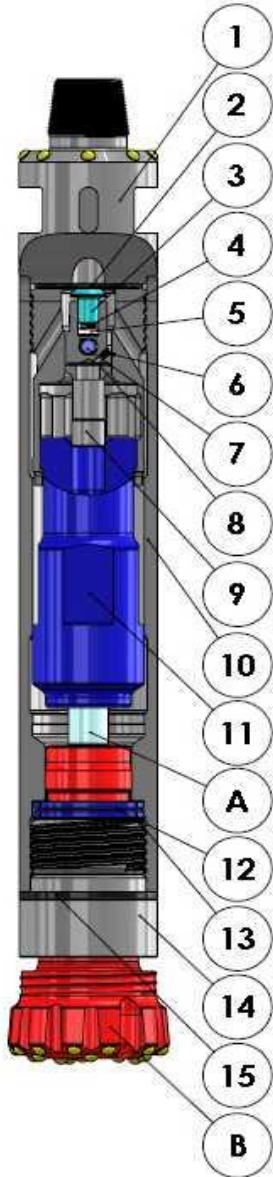


ROCKMORE
INTERNATIONAL
Rock Drilling Tools



**Integrated SonicFlow
Technology**

ROK 87A-380



Patented

Parts List

Item	Part Number	Description
	ROK87A-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, Delrin
4	SP-001	Spring
5	SR-002	Spring Rest
6	CH-001	Blank Choke, Steel
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 - includes o-ring and choke
10	87AWS-001	Wear Sleeve
11	PT-032	Piston
A	BT380-1006	IR 380 Blow Tube
12	R2-431	O-Ring, 5.250" X 0.250"
13	BR-006	Bit Retainer Ring - includes o-ring
14	87ADS-001	Driver Sub
15	875ABO-001	Break Out Ring
B	DTH Bit	IR 380 Shank
	CHSET-001	Choke Set, Steel, 1 each of CH-001 - 0" (0mm), CH-002 - 1/16" (2mm), CH-003 - 1/8" (3mm), CH-004 - 3/16" (5mm)

* Includes o-ring

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:	0.2 l/hr per 3.0 m ³ /min [1/3 pint/hr per 100 cfm]
Recommended rotation speed:	14 r/min to 50 r/min
Minimum diameter difference between wear sleeve and bit:	12 mm [0.47"]

Technical Specifications

Bit shank type	IR 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]	124 [4.9]
Effective Length without drill bit, mm [in]	1194 [47.0]
Weight without drill bit, kg [lbs]	181 [398.0]

ROCKMORE International, Inc. 10065 S.W. Commerce Circle; Wilsonville, OR 97070, USA
Tel: +1-503-682-1001; Fax: +1-503-682-1002; info@rockmore-intl.com

ROCKMORE International GmbH Collini - Strasse 2; A-8750 Judenburg - Austria
Tel: +43 3572 86 300-0; Fax: +43 3572 84 179; austria@rockmore-intl.at

www.rockmore-intl.com

Rev. 6-11-24