



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



2-7/8" API Reg Pin
Top Sub With Back Reaming Buttons
Lower Air Consumption

DTH HAMMER **ROK 550A-006** **Recommended Bit Diameter**
140 - 152mm [5.5" - 6.0"]



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

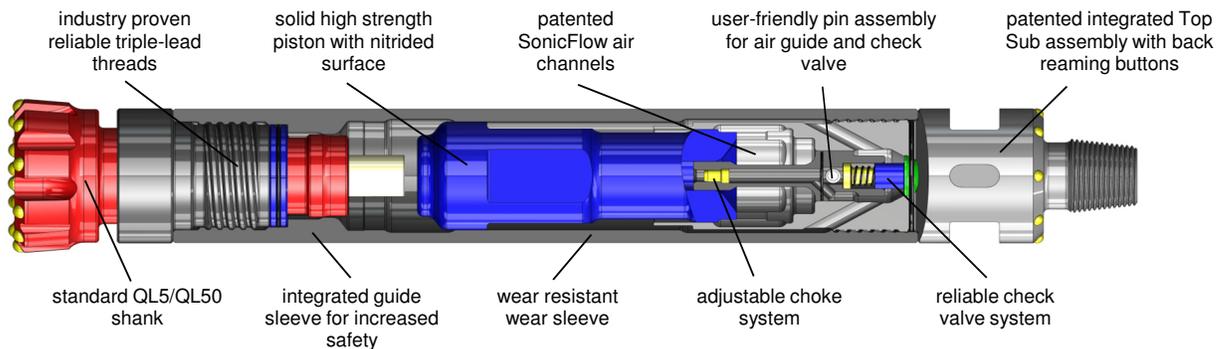
Applications:

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



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

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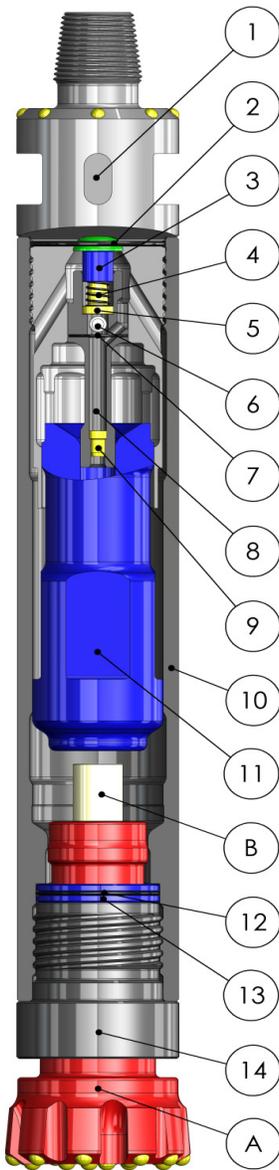
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**Integrated SonicFlow
Technology**

ROK 550A-006



Patented

Parts List

Item	Part Number	Description
	ROK 550A-006	DTH Hammer, 550A, QL5/QL50, 2-7/8" API Reg Pin
1	500TS-019	Top Sub, 2-7/8" API Reg Pin with Back Reaming Buttons
2	R2-342	O-Ring, 3.600" X 0.210"
3	CV-001	Check Valve
4	SP-001	Spring
5	SR-002	Spring Rest
6	PN-003	Pin, 0.625" Dia, 3.5" L
7	R2-135	O-Ring, 1.925" X 0.103"
8	AG-001	Air Guide
9	CH-005	Choke, Nylon
10	500WS-008	Wear Sleeve
11	PT-029	Piston
B	BTQL5-1013	QL5/QL50 Blow Tube
12	R2-234	O-Ring, 2.984" X 0.139"
13	BR-014	Bit Retainer Ring
14	500DS-005	Driver Sub
A	DTH Bit	QL5/QL50 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]	5.5 m ³ /min [193 SCFM]
17.2 Bar [250 PSI]	14.4 m ³ /min [508 SCFM]
24.1 Bar [350 PSI]	23.7 m ³ /min [837 SCFM]
Oil consumption at 24.1 Bar (350 PSI):	0.5 l/hr [0.13 gallon/hr]
Recommended rotation speed:	20 r/min to 70 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

Technical Specifications

Standard Top Sub	2-7/8" API Reg Pin
Bit shank type	QL5/QL50
Recommended bit diameter, mm [in]	140 to 152 [5.5 to 6.0]
Outside diameter, mm [in]	125 [4.9]
Wear sleeve discard diameter, mm [in]	109 [4.3]
Wrench flat size on Top Sub, mm [in]	94 [3.7]
Length without drill bit, mm [in]	1028 [40.5]
Weight without drill bit, kg [lbs]	60.3 [132.9]

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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