



**ROCKMORE**  
INTERNATIONAL  
Rock Drilling Tools



QL5/QL50 Bit Shank  
Lower Air Consumption  
Slim Line Diameter

**DTH HAMMER**

**ROK 550A**

Recommended Bit Diameter  
133 - 146mm [5.25" - 5.75"]



**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

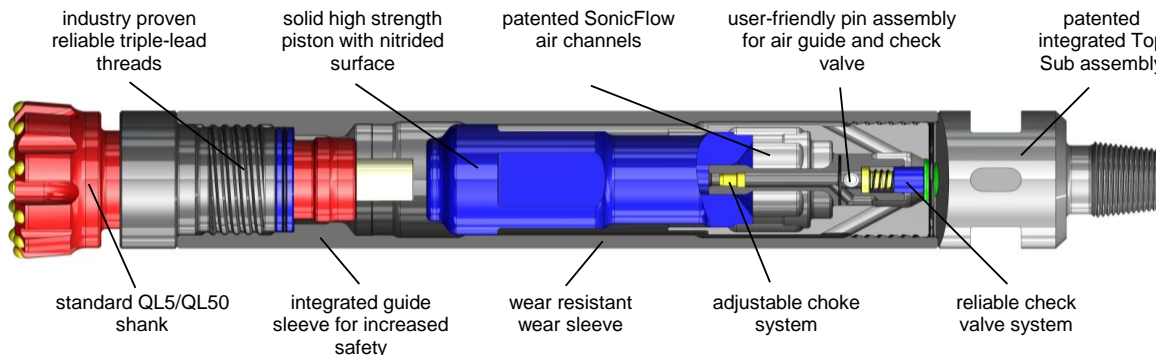
**Applications:**

- 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**



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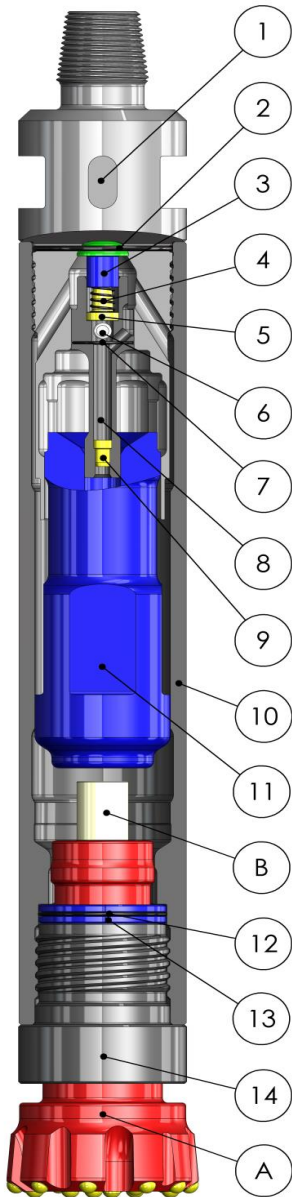


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**Integrated SonicFlow  
Technology**

# ROK 550A



Patented

## Parts List

Item	Part Number	Description
1	ROK550A-007 500TS-014	DTH Hammer, 550A, QL5/QL50, 3-1/2" API Reg Pin, Slim Line Top Sub, 3-1/2" API Reg Pin, Slim Line - <i>includes o-ring</i>
1	ROK550A-009 500TS-020	DTH Hammer, 550A, QL5/QL50, 2-3/8" API Reg Pin, Slim Line Top Sub, 2-3/8" API Reg Pin, Slim Line - <i>includes o-ring</i>
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 - <i>includes o-ring and choke</i>
9	CH-005	Blank Choke, Nylon
10	500WS-012	Wear Sleeve, Slim Line
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 - <i>includes o-ring</i>
14	500DS-007	Driver Sub, Slim Line
A	DTH Bit	QL5/QL50 Shank
	CHSET-002	Choke Set, Nylon, 1 each of CH-005 - 0" (0mm), 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 m3/min [193 SCFM]
17.2 Bar [250 PSI]	14.4 m3/min [508 SCFM]
24.1 Bar [350 PSI]	23.7 m3/min [837 SCFM]
Oil consumption:	0.2 l/hr per 3.0 m3/min [1/3 pint/hr per 100 cfm]
Recommended rotation speed:	20 r/min to 70 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

## Technical Specifications

Bit shank type	QL5/QL50
Recommended bit diameter, mm [in]	133 to 146 [5.25 to 5.75]
Outside diameter, mm [in]	119 [4.7]
Wear sleeve discard diameter, mm [in]	109 [4.3]
Wrench flat size on Top Sub, mm [in]	89 [3.5]
Effective Length without drill bit, mm [in]	919 [36.2] - <i>only for ROK550A-007</i>
Weight without drill bit, kg [lbs]	55.6 [122.5] - <i>only for ROK550A-007</i>

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