



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



RD-50 Box

DTH HAMMER

ROK 250-004

Recommended Bit Diameter
76 - 89mm [3.0" - 3.5"]



Features:

- High Performance Design
- Integrated SonicFlow Technology
- Patented Innovations
- Superior Penetration Rates
- Reduced Number of Components
- Easy Assembly / Maintenance
- Advanced Materials / Heat-Treatment
- Extended Service Life

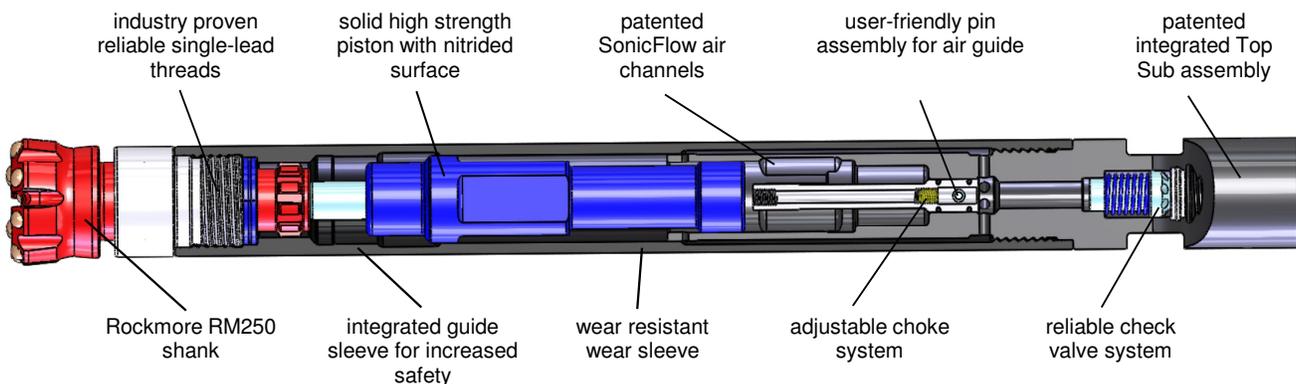
Applications:

- Mining / Blast Hole
- Environmental
- Geothermal
- Construction / Quarry
- Exploration

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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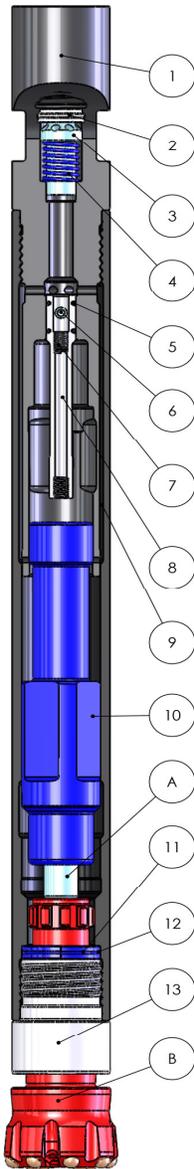


R O C K M O R E
INTERNATIONAL
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**Integrated SonicFlow
Technology**

ROK 250-004



Patented

Parts List

Item	Part Number	Description
	ROK 250-004	DTH Hammer, 250, RM250, RD-50 Box
1	250TS-004	Top Sub, RD-50 Box
2	CVS-001	Check Valve Seal
3	CV-006	Check Valve
4	SP-003	Spring
5	R2-113	O-Ring, 0.755" X 0.103", <i>quantity of 2</i>
6	PN-007	Pin, 0.315" Dia, 1.969" L
7	CH-001	Choke
8	AG-006	Air Guide
9	250WS-001	Wear Sleeve
10	PT-013	Piston
A	BTRM250-1021	RM250 Blow Tube
11	R2-031	O-Ring, 1.739" X 0.070"
12	BR-009	Bit Retainer Ring
13	250DS-001	Driver Sub
B	DTH Bit	RM250 Shank

Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	1.6 m ³ /min [55 SCFM]
17.2 Bar [250 PSI]	4.3 m ³ /min [151 SCFM]
24.1 Bar [350 PSI]	6.7 m ³ /min [235 SCFM]
Oil consumption at 24.1 Bar (350 PSI):	0.3 l/hr [0.08 gallon/hr]
Recommended rotation speed:	35 r/min to 95 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

Technical Specifications

Standard Top Sub	RD-50 Box
Bit shank type	Rockmore RM250
Recommended bit diameter, mm [in]	76 to 89 [3.0 to 3.5]
Outside diameter, mm [in]	66 [2.6]
Wear sleeve discard diameter, mm [in]	60 [2.4]
Wrench flat size on Top Sub, mm [in]	47.6 [1.875]
Length without drill bit, mm [in]	788 [31.0]
Weight without drill bit, kg [lbs]	13.7 [30.2]

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