



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



DTH HAMMER	ROK 400 - TD40	<p>TD40 Bit Shank</p> <p>Recommended Bit Diameter 110 - 125mm [4.3" - 4.9"]</p>
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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

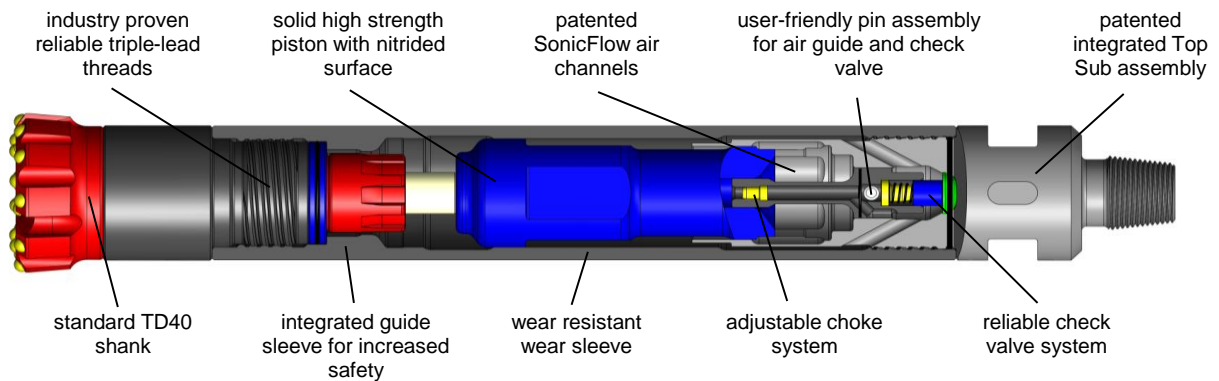
Applications:

- 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



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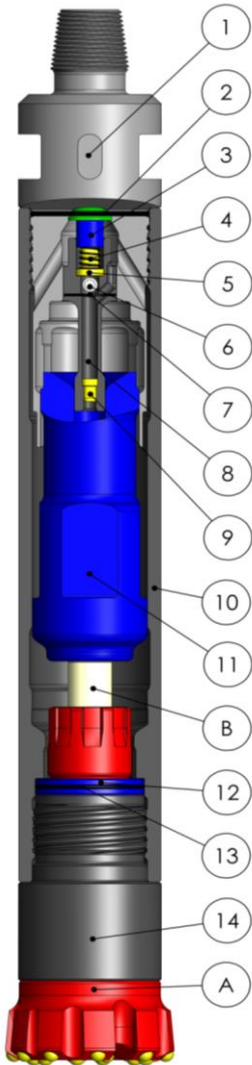


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**Integrated SonicFlow
Technology**

ROK 400 - TD40



Parts List

Item	Part Number	Description
1	ROK400-021 400TS-001	DTH Hammer, 400, TD40, 2-3/8" API Reg Pin Top Sub, 2-3/8" API Reg Pin - <i>includes o-ring</i>
1	ROK400-022 400TS-002	DTH Hammer, 400, TD40, 2-7/8" API Reg Pin Top Sub, 2-7/8" API Reg Pin - <i>includes o-ring</i>
1	ROK400-024 400TS-004	DTH Hammer, 400, TD40, 2-3/8" API IF Pin Top Sub, 2-3/8" API IF Pin - <i>includes o-ring</i>
1	ROK400-025 400TS-005	DTH Hammer, 400, TD40, 2-3/8" API Reg Box Top Sub, 2-3/8" API Reg Box - <i>includes o-ring</i>
1	ROK400-027 400TS-006	DTH Hammer, 400, TD40, 2-7/8" API Reg Box Top Sub, 2-7/8" API Reg Box - <i>includes o-ring</i>
1	ROK400-028 400TS-007	DTH Hammer, 400, TD40, Cubex #24 Pin with Splines Top Sub, Cubex #24 Pin with Splines - <i>includes o-ring</i>
2	R2-234	O-Ring, 2.984" X 0.139"
3	CV-001	Check Valve
4	SP-001	Spring
5	SR-002	Spring Rest
6	PN-002	Pin, 0.625" Dia, 3.0" L
7	R2-135	O-Ring, 1.925" X 0.103"
8	AG-002	Air Guide - <i>includes o-ring and choke</i>
9	CH-005	Blank Choke, Nylon
10	400WS-001	Wear Sleeve
11	PT-021	Piston
B	BT40-1022	TD40 Blow Tube
12	R2-229	O-Ring, 2.359" X 0.139"
13	BR-012	Bit Retainer Ring - <i>includes o-ring</i>
14	400DS-021	Driver Sub
A	DTH Bit	TD40 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]	5.8 m ³ /min [210 SCFM]
17.2 Bar [250 PSI]	10.4 m ³ /min [378 SCFM]
24.1 Bar [350 PSI]	15.3 m ³ /min [556 SCFM]
Oil consumption:	0.2 l/hr per 3.0 m ³ /min [1/3 pint/hr per 100 cfm]
Recommended rotation speed:	25 r/min to 80 r/min
Minimum diameter difference between wear sleeve and bit:	10 mm [0.39"]

Technical Specifications

Bit shank type	TD40
Recommended bit diameter, mm [in]	110 to 125 [4.3 to 4.9]
Outside diameter, mm [in]	98 [3.9]
Wear sleeve discard diameter, mm [in]	89 [3.5]
Wrench flat size on Top Sub, mm [in]	64 [2.5]
Effective Length without drill bit, mm [in]	823 [32.4] - <i>only for ROK400-021</i>
Weight without drill bit, kg [lbs]	32.1 [70.8] - <i>only for ROK400-021</i>

Patented

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