



ROCKMORE
INTERNATIONAL
Rock Drilling Tools



X TUBELESS X

DTH HAMMER

ROK 55T-350RT

IR 350R Bit Shank
Tubeless (Bit without Blow Tube)

Recommended Bit Diameter
140 - 152mm [5.5" - 6.0"]

TUBELESS DESIGN (UTILIZES BIT WITHOUT BLOW TUBE / FOOT VALVE)

Features:

- Ultra High Performance Design
- Tubeless (utilizes Bit without Blow Tube / Foot Valve), eliminating breakage of plastic parts
- Operates With Standard IR 350R Shank Design Without Blow Tube / Foot Valve
- High Efficiency Against Large Volumes of Water
- Integrated SonicFlow Technology
- Patented Innovations
- Superior Penetration Rates
- Reduced Number of Components
- Easy Assembly / Maintenance
- Advanced Materials / Heat-Treatment
- Extended Service Life



Standard IR 350R Bit Shank without Blow Tube / Foot Valve

Rockmore's ROK 55T DTH hammer utilizes a bit without a plastic blow tube / foot valve. The corresponding 350RT bit shank operates with no blow tube / foot valve. To operate the hammer with a standard IR 350R bit shank, simply remove the blow tube / foot valve.

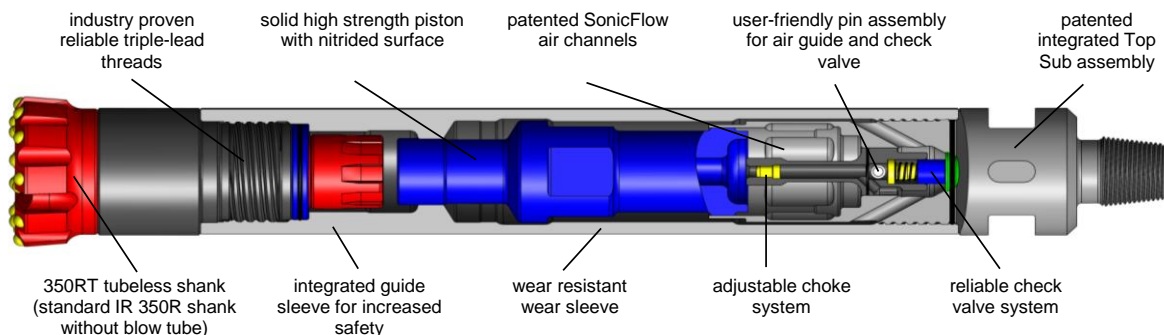
SonicFlow Technology greatly improves the air flow characteristics within the ROK hammer and ensures that the high pressure air paths are optimized to deliver greater energy to the piston. This is achieved by incorporating scientific air flow concepts in the design of the hammer and its various components 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.



Applications:

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

Innovative Design Features



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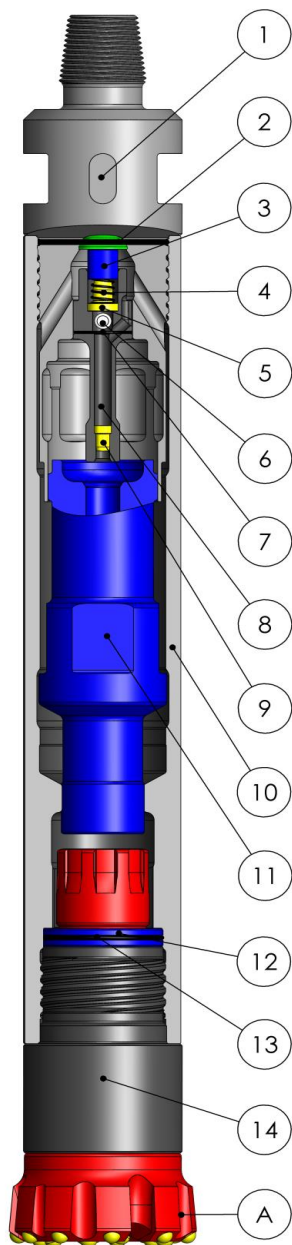
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X TUBELESS X**ROCKMORE**
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SONICFLOW**Integrated SonicFlow
Technology****ROK 55T-350RT**

Patented

Parts List

Item	Part Number	Description
	ROK55T-350RT-001	DTH Hammer, 55T, 350RT, 3-1/2" API Reg Pin, Tubeless (Bit without Blow Tube / Foot Valve)
1	500TS-011	Top Sub, 3-1/2" API Reg Pin - <i>includes o-ring</i>
2	R2-342	O-Ring, 3.600" X 0.210"
3	CV-002	Check Valve, Rubber
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-007	Wear Sleeve
11	PT-028	Piston
12	R2-234	O-Ring, 2.984" X 0.139"
13	BR-013	Bit Retainer Ring - <i>includes o-ring</i>
14	500DS-004	Driver Sub
A	DTH Bit	350RT Tubeless Shank (Standard IR 350R without blow tube)
	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]	7.3 m ³ /min [259 SCFM]
17.2 Bar [250 PSI]	16.6 m ³ /min [587 SCFM]
24.1 Bar [350 PSI]	25.2 m ³ /min [890 SCFM]
Oil consumption:	0.2 l/hr per 3.0 m ³ /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	350RT Tubeless Shank (IR 350R without Blow Tube / Foot Valve)
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]	89 [3.5]
Effective Length without drill bit, mm [in]	975 [38.4]
Weight without drill bit, kg [lbs]	65.8 [145.0]

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