



**ROCKMORE**  
INTERNATIONAL  
Rock Drilling Tools



IR 350R Bit Shank  
Lower Air Consumption

**DTH HAMMER**

**ROK 55A-350R**

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

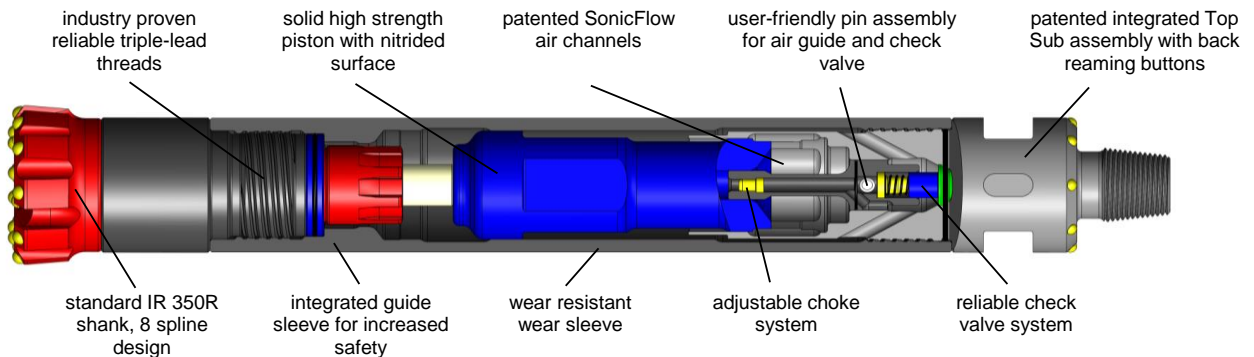
**Applications:**

- 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**



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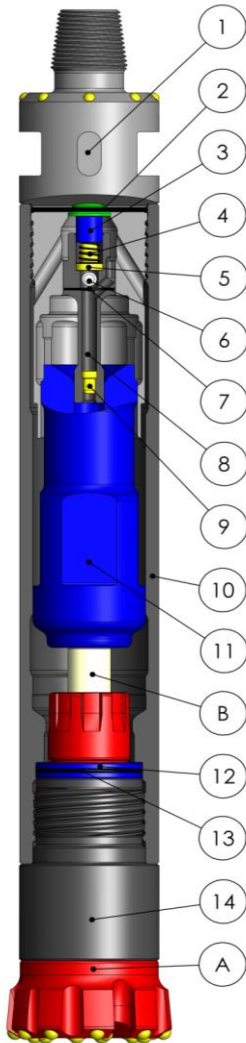


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**Integrated SonicFlow  
Technology**

# ROK 55A-350R



## Parts List

Item	Part Number	Description
1	ROK55A-350R-001 500TS-011 *	DTH Hammer, 55A, 350R, 3-1/2" API Reg Pin Top Sub, 3-1/2" API Reg Pin
1	ROK55A-350R-002 500TS-016 *	DTH Hammer, 55A, 350R, 2-3/8" API Reg Pin Top Sub, 2-3/8" API Reg Pin
1	ROK55A-350R-003 500TS-017 *	DTH Hammer, 55A, 350R, 2-3/8" API Reg Pin Top Sub, 2-3/8" API Reg Pin with Back Reaming Buttons
1	ROK55A-350R-004 500TS-012 *	DTH Hammer, 55A, 350R, 3-1/2" API Reg Pin Top Sub, 3-1/2" API Reg Pin with Back Reaming Buttons
1	ROK55A-350R-005 500TS-018 *	DTH Hammer, 55A, 350R, 2-7/8" API Reg Pin Top Sub, 2-7/8" API Reg Pin
1	ROK55A-350R-006 500TS-019 *	DTH Hammer, 55A, 350R, 2-7/8" API Reg Pin Top Sub, 2-7/8" API Reg Pin with Back Reaming Buttons
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-009	Wear Sleeve
11	PT-030	Piston
B	BT350R-1004	IR 350R Blow Tube
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	IR 350R 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)

\* Includes o-ring

## Operating Parameters

Air Pressure	Air Consumption
10.4 Bar [150 PSI]	5.5 m <sup>3</sup> /min [193 SCFM]
17.2 Bar [250 PSI]	14.4 m <sup>3</sup> /min [508 SCFM]
24.1 Bar [350 PSI]	23.7 m <sup>3</sup> /min [837 SCFM]
Oil consumption:	0.2 l/hr per 3.0 m <sup>3</sup> /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	IR 350R
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]	940 [37.0] - <i>only for ROK55A-350R-001</i>
Weight without drill bit, kg [lbs]	62.8 [138.5] - <i>only for ROK55A-350R-001</i>

Patented

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