

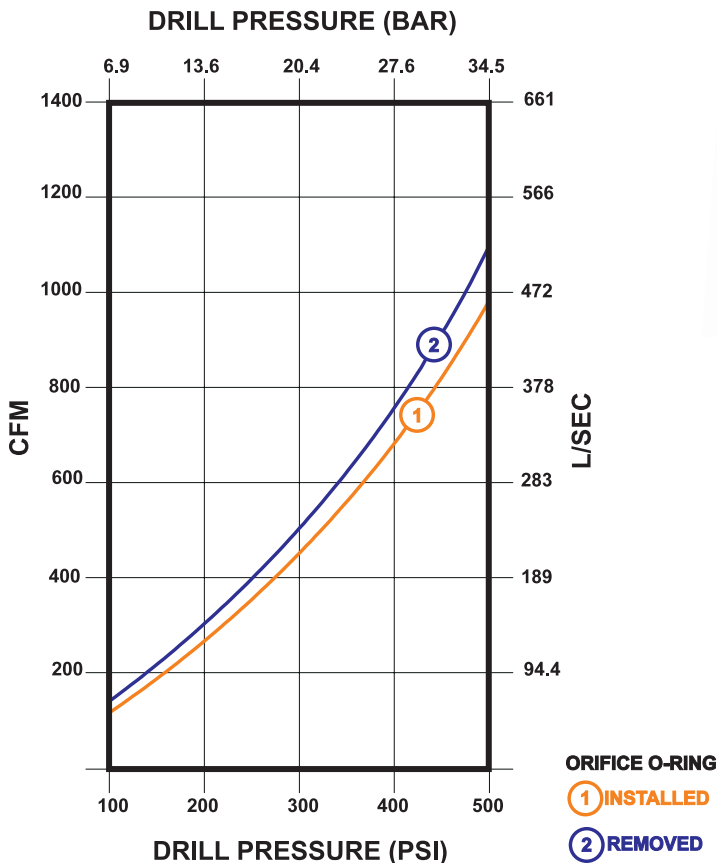


HAMMERS AND BITS
Patriot® RC50
Down Hole
Hammer

FEATURES

- Valveless down hole hammer design
- Designed to operate at pressures to 500 PSI (34.5 BAR)
- Reversible non-ported piston case for extended life
- Ability to drill efficiently against high heads of water
- Superior directional stability in horizontal applications
- Ejecting cuttings through the collection tube eliminates traditional hole cleaning problems
- Environmentally sensitive - no foam required for hole cleaning & lubricants are not free to contaminate the formation
- Collection tube is easily replaced without hammer disassembly
- Metering sleeve facilitates sample flow through collection tube

AIR CONSUMPTION



SPECIFICATIONS

Diameter	4-7/8"	124 mm
Bore	4"	102 mm
Stroke	4"	102 mm
Weight (Hammer only)	156 lbs.	71 kg
Length (Shoulder to Shoulder)	41-13/16"	106 cm
Length (Shoulder to Bit Face)	46-15/16"	119 cm
A.P.I. Reg. Threads	4-1/2	
Thread Connections are Available		

- 1675 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 5-1/4" to 5-3/4" (133 mm - 146 mm) in diameter
- Accepts PRC50 bit shank

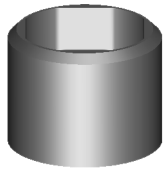
Down Hole Button Bits

Patriot® RC50

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

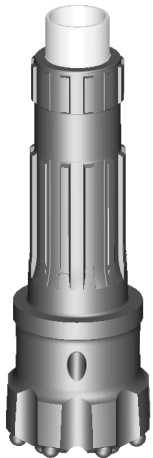


Metering Sleeve

Chuck O-Ring

Chuck

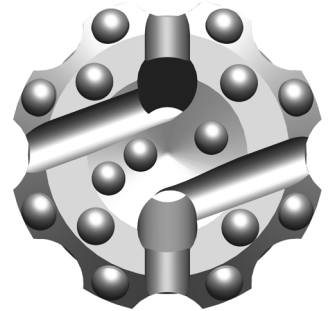
Bit



PRC50
Bit Shank

5-1/4"	(133 mm)	33 lbs.	(14.9 kg)
5-3/8"	(137 mm)	33 lbs.	(15.0 kg)
5-1/2"	(140 mm)	34 lbs.	(15.2 kg)
5-5/8"	(143 mm)	34 lbs.	(15.4 kg)
5-3/4"	(146 mm)	35 lbs.	(15.8 kg)

* Bit weights are approximate



Two Hole
Concave

FEATURES

- Two hole concave face design for advanced hole cleaning capabilities
- 5/8" (16 mm) carbide gage buttons
- Reduced bit weight for more efficient energy transfer
- 12 spline design for longer life and better torque transfer
- Several grades and types of carbide are available
- Other bit sizes may be available upon request

For More Information Contact:

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