

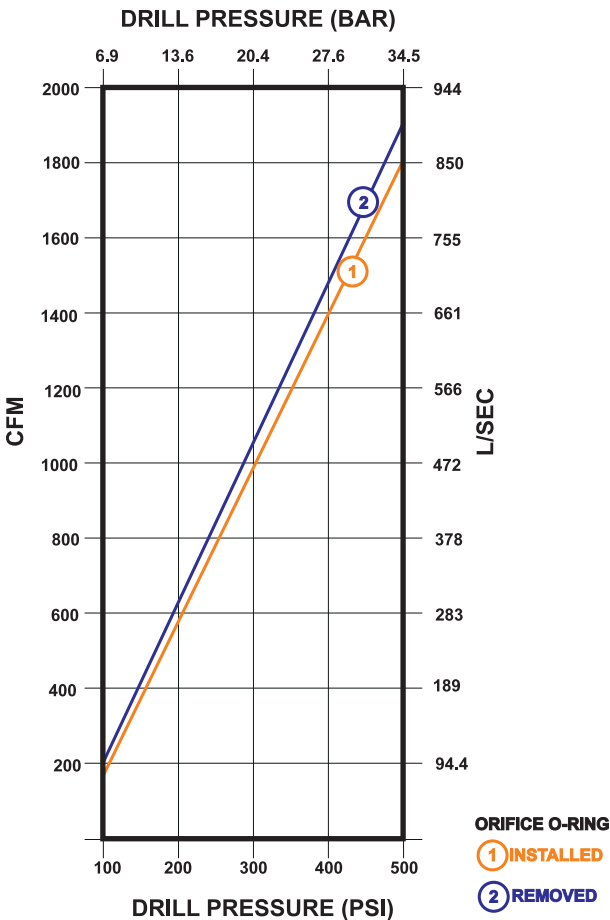


Challenger[®] RC55 Down Hole Hammer

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

AIR CONSUMPTION



SPECIFICATIONS

Diameter	5-1/2"	140 mm
Bore	4-3/4"	121 mm
Stroke	4"	102 mm
Weight (Hammer only)	202 lbs.	92 kg
Length (Shoulder to Shoulder)	50"	127 cm
Length (Shoulder to Bit Face)	57"	145 cm
Reverse Circulation Backhead	4-1/2"	
Thread Connections are Available		

- 1475 blows per minute at 300 PSI (20.4 BAR)
- Drills holes from 5-3/4" to 6" (146 mm - 152 mm) in diameter
- Accepts RC55 bit shank

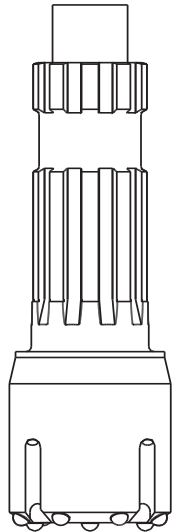
Down Hole Button Bits

Challenger® RC55

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

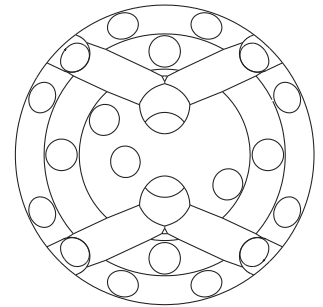


RC55 Bit Shank

5-3/4"	(146 mm)	65 lbs.	(29 kg)
5-7/8"	(150 mm)	66 lbs.	(30 kg)
6"	(152 mm)	67 lbs.	(31 kg)

* Bit weights are approximate

Two Hole
Concave



FEATURES

- Two Hole Concave Face Design for Advanced Hole Cleaning Capabilities
- 5/8" (16 mm) Carbide Buttons Throughout Face
- Unique, Elongated Bit Skirt for Extended Life and Improved Air Flow
- Several Grades and Styles of Carbide are Available
- Other Bit Styles May Be Available Upon Request

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