

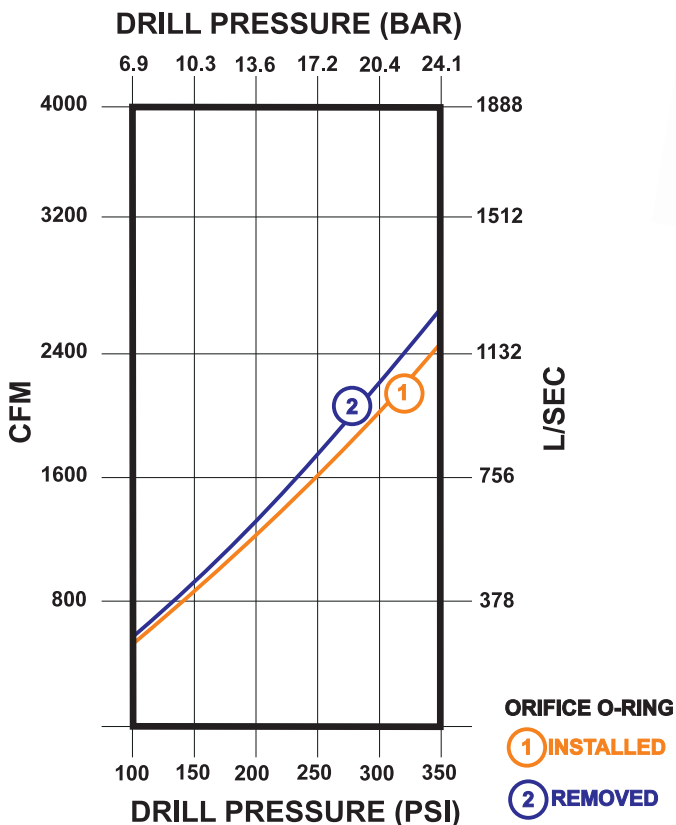


Challenger[®] RC100 Down Hole Hammer

FEATURES

- Valveless down hole hammer design
- Ability to drill efficiently against high heads of water
- Designed to operate at pressures to 250 PSI (17.0 Bar)
- Reversible non-ported piston case for extended life
- 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 and lubricants are not free to contaminate the formation
- Typical vertical and horizontal applications include: caissons, piles/rock sockets, tunneling under roads, foundation drilling and other jobs where large volume rock excavation is required

AIR CONSUMPTION

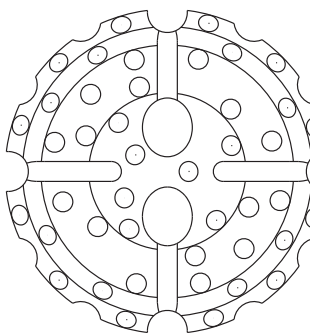


SPECIFICATIONS

Diameter	9-1/2"	241 mm
Bore	8-1/4"	210 mm
Stroke	4"	102 mm
Weight (Hammer only)	777 lbs.	353 kg
Length (Shoulder to Shoulder)	60"	152 cm
Length (Shoulder to Bit Face)	69"	175 cm
Reverse Circulation Backhead	7-5/8"	

- Thread Connections are Available
- 1250 blows per minute at 250 PSI (17.0 Bar)
 - Suitable for drilling holes from 10" to 15" (254 mm to 381 mm) in diameter
 - Accepts RC100 bit shank

Down Hole Button Bits

Challenger® RC100	DIAMETER		WEIGHT*		FACES AVAILABLE
	inches	(millimeters)	pounds	(kilograms)	
	10"	(254 mm)	255 lbs.	(116 kg)	
	11"	(279 mm)	295 lbs.	(134 kg)	
	12"	(305 mm)	345 lbs.	(157 kg)	
	13"	(330 mm)	415 lbs.	(188 kg)	
	14"	(356 mm)	466 lbs.	(211 kg)	
	15"	(381 mm)	525 lbs.	(238 kg)	

RC100 Bit Shank

* Bit weights are approximate

FEATURES

- Significantly larger spline area for exceptional strength and transfer of torque
- Air is exhausted at the bit face to minimize contamination
- Long bit skirt for extended life and minimal blow by
- Carbide buttons positioned for better fracture of rock providing faster penetration rates
- Plate drive system for increased spline life
- Several grades and types of carbide are available
- Other bit sizes may be available upon request

For More Information Contact:

Bob Lancaster Northeast USA (860) 933-1715	Ted Foust Mid-Atlantic USA (717) 579-7809	Carl Chidester Appalachian USA (304) 203-2408	Jeff Hay Southeast USA (478) 279-4834
Virginia Lenox Western USA (325) 456-0695	Kathy Wagoner Oil & Gas Western USA (325) 456-0407	Bruce Palmer U.S. Construction Latin America (860) 234-4823	Chris Beare Europe - Middle East Africa - India +44 (0) 7785 934 361
			Ian Speer Australia +61 (0) 400 077 165