



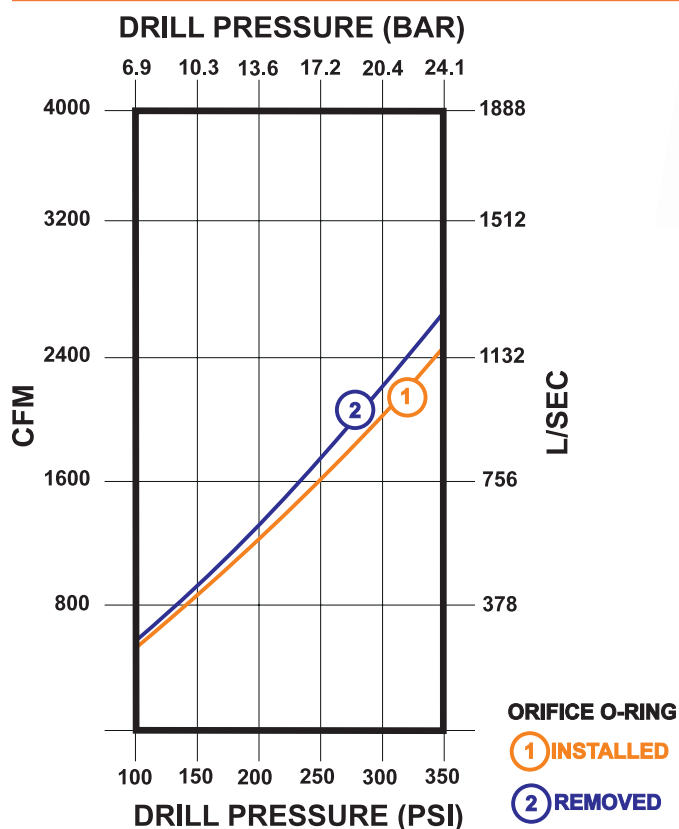
Challenger® RC100

Down Hole Hammer

FEATURES

- Valveless down hole hammer design
- Ability to drill efficiently against high heads of water
- Designed to operate at pressures up 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
A.P.I. Reg. Threads	7-5/8 Box Modified	

- 1250 blows per minute at 250 PSI (17.0 BAR)
- Drills holes from 10" to 15" (254 mm - 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



Concave

* 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:

646 Thompson Road • Thompson, CT 06277 USA
 Phone: (860) 923-9551 • Fax: (860) 923-2617
numa@numahammers.com • www.numahammers.com

