

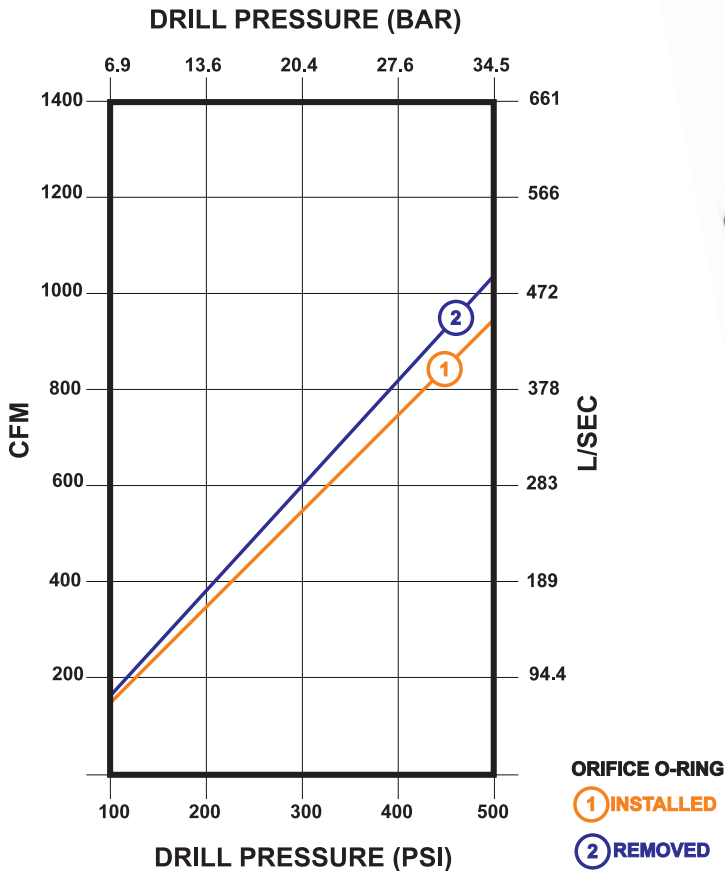


Champion[®] RC45 Down Hole Hammer

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

AIR CONSUMPTION



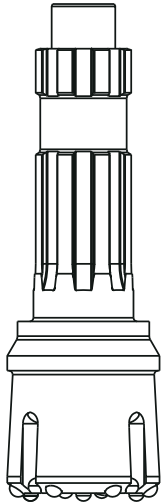
SPECIFICATIONS

Diameter	4-1/2"	114 mm
Bore	3-7/8"	98 mm
Stroke	4"	102 mm
Weight (Hammer only)	118 lbs.	54 kg
Length (Shoulder to Shoulder)	40"	102 cm
Length (Shoulder to Bit Face)	46"	117 cm
Reverse Circulation Backhead	4-1/2"	
Thread Connections are Available		

- 2085 blows per minute at 300 PSI (20.4 BAR)
- Drills holes from 4-3/4" to 5-1/2" (121 mm - 140 mm) in diameter
- Accepts RC45 bit shank

Down Hole Button Bits

Champion® RC45



RC45 Bit Shank

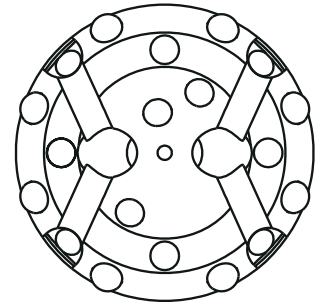
DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

4-3/4"	(121 mm)	36 lbs.	(16.3 kg)
4-7/8"	(124 mm)	37 lbs.	(16.8 kg)
5"	(127 mm)	39 lbs.	(17.7 kg)
5-1/8"	(130 mm)	41 lbs.	(18.6 kg)
5-1/4"	(133 mm)	43 lbs.	(19.5 kg)
5-1/2"	(140 mm)	45 lbs.	(20.4 kg)

Two Hole
Concave



* Bit weights are approximate

FEATURES

- Two Hole Concave Face Design for Advanced Hole Cleaning Capabilities
- 9/16" (14 mm) Carbide Gage Buttons
- 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

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