



NUMA
Hammers and Bits®

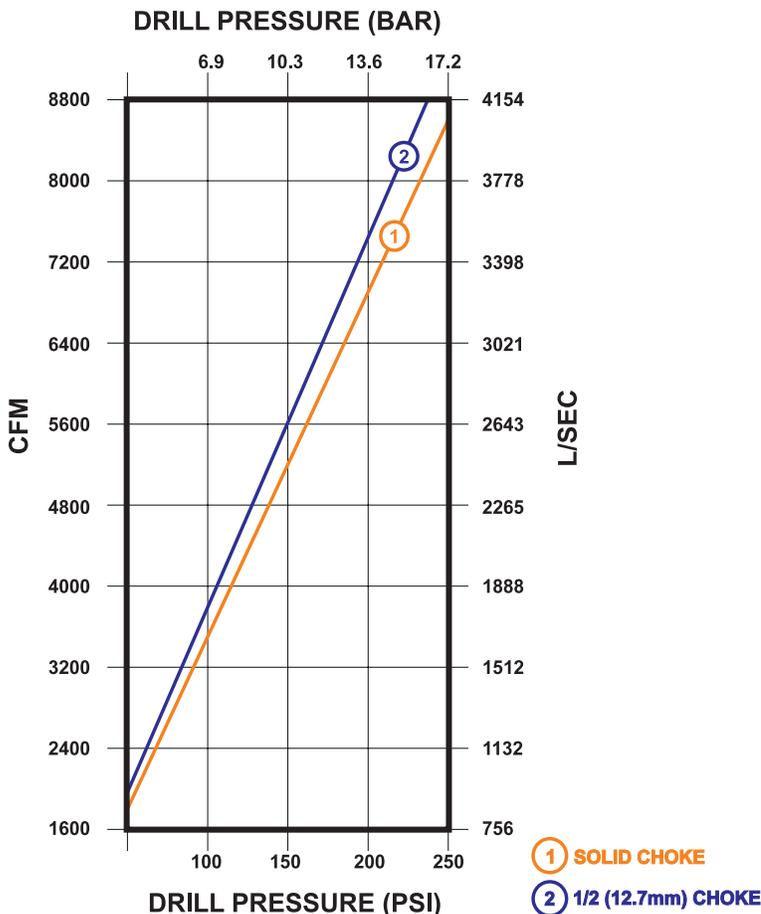
Champion® 330

Down Hole Hammer

FEATURES

- Valveless down hole hammer design
- Hardened non-ported piston case
- Designed to operate at pressures up to 200 PSI (13.6 BAR)
- Plate drive system to eliminate spline wear and galling
- Typical vertical and horizontal applications include: caissons, piles/rock sockets, tunneling under roads, foundation drilling and other large jobs where large volume rock excavation is required

AIR CONSUMPTION



SPECIFICATIONS

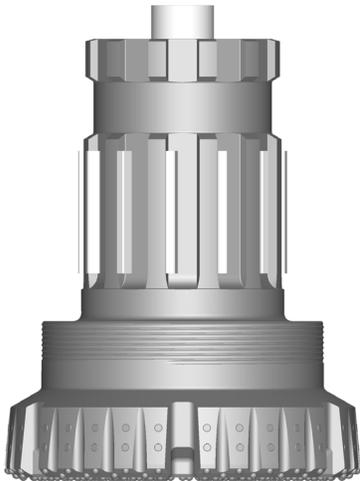
Diameter	28"	711 mm
Bore	20"	508 mm
Stroke	5"	127 mm
Weight (Hammer only)	12,556 lbs.	5695 kg
Length (Shoulder to Shoulder)	89-1/2"	227 cm
Length (Shoulder to Bit Face)	105-1/2"	268 cm
A.P.I. Reg. Threads	10 BECO Pin	

- 925 blows per minute at 200 PSI (13.6 BAR)
- Drills holes from 32" to 48" (813 mm - 1219 mm) in diameter
- Accepts C330 bit shank



Down Hole Button Bits

Champion® 330

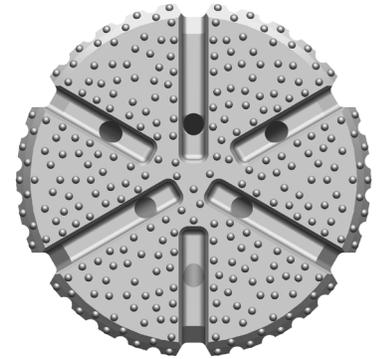


C330 Bit Shank

DIAMETER		WEIGHT*	
inches (millimeters)		pounds (kilograms)	
32"	(813 mm)	4910 lbs.	(2227 kg)
34"	(864 mm)	5125 lbs.	(2329 kg)
36"	(914 mm)	5300 lbs.	(2409 kg)
38"	(965 mm)	6740 lbs.	(3064 kg)
39-1/2"	(1003 mm)	6925 lbs.	(3148 kg)
42"	(1067 mm)	7332 lbs.	(3333 kg)
48"	(1219 mm)	8350 lbs.	(3787 kg)

* Bit weights are approximate

FACES AVAILABLE



Concave / Flat

FEATURES

- Concave or Flat face design for advanced hole cleaning capabilities
- 3/4" (19 mm), 7/8" (22 mm) and 1" (25 mm) carbide options available
- Several grades and types of carbide are available
- Significantly larger spline area for exceptional strength and transfer of torque
- Plate drive system for increased spline life
- Side wear buttons are standard on all bits
- 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

