

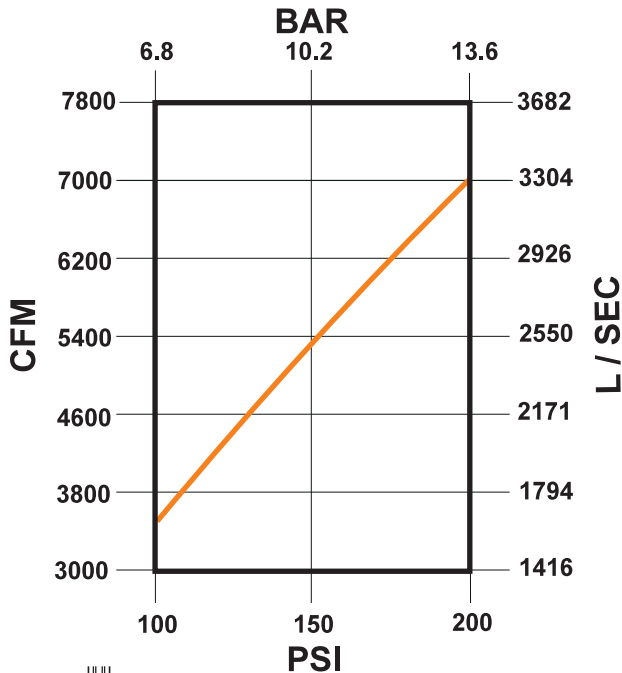


Champion[®] 330 Down Hole Hammer

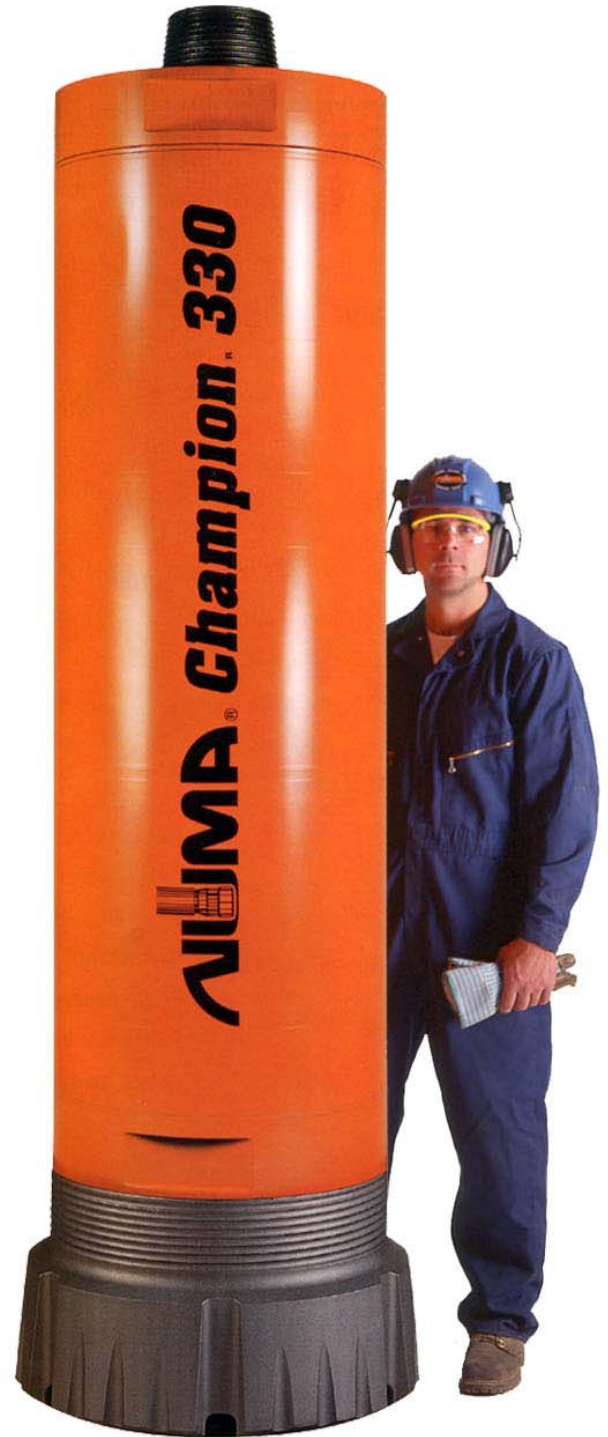
FEATURES

- Valveless down hole hammer design
- Hardened non-ported piston case
- Designed to operate at pressures 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 jobs where large volume rock excavation is required

AIR CONSUMPTION



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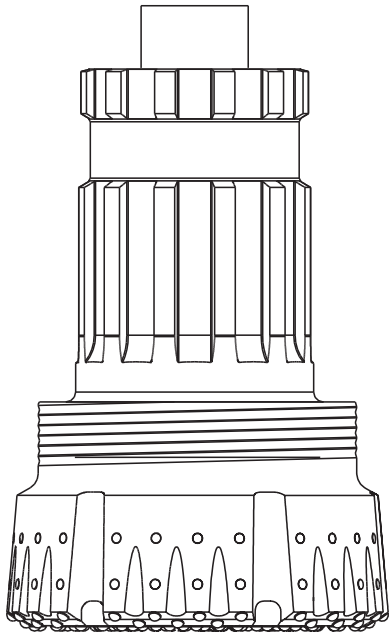


SPECIFICATIONS

| | | |
|-------------------------------|--|---------|
| Diameter | 28" | 711 mm |
| Bore | 20" | 508 mm |
| Stroke | 5" | 127 mm |
| Weight (Hammer only) | 12,800 lbs. | 5811 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) | |
| • | Suitable for drilling holes from 33" to 43" (838 mm to 1092 mm) in diameter | |
| • | Accepts C330 bit shank | |

Down Hole Button Bits

Champion® 330



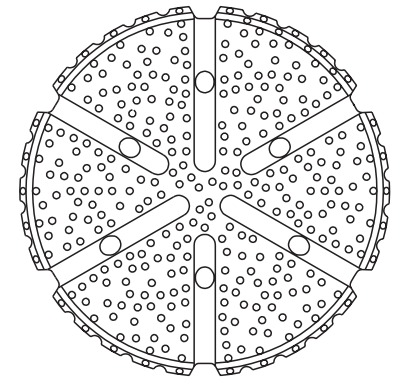
C330 Bit Shank

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

| | | | |
|---------|-----------|-----------|-----------|
| 33" | (838 mm) | 5000 lbs. | (2273 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) |
| 43" | (1092 mm) | 7500 lbs. | (3409 kg) |



Concave / Flat

* Bit weights are approximate

FEATURES

- Concave or Flat face design for advanced hole cleaning capabilities
- 3/4" (19 mm) diameter carbide buttons throughout face
- 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

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