

HAMMERS AND BITS

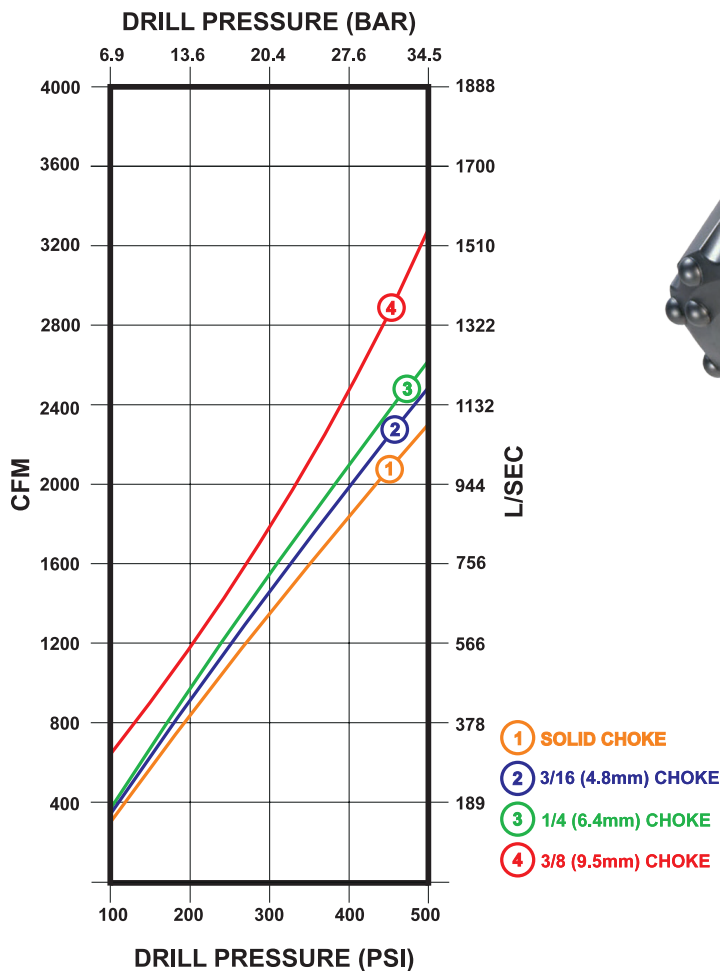
Patriot® 85Q

Down Hole Hammer

FEATURES

- Outdistances competitive hammers in both speed and longevity
- Simplified hammer design with less internal components
- Drills at high frequency to provide less vibration and smooth operation
- More efficient design requires less air which equals fuel savings
- Designed to operate at pressures up to 500 PSI (34.5 BAR)
- Ability to drill efficiently against high heads of water

AIR CONSUMPTION



SPECIFICATIONS

Diameter	7-1/8"	181 mm
Bore	6"	152 mm
Stroke	3-3/4"	95 mm
Weight (Hammer only)	406 lbs.	184 kg
Length (Shoulder to Shoulder)	51-1/4"	130 cm
Length (Shoulder to Bit Face)	56"	142 cm
A.P.I. Reg. Threads	4-1/2	

- 1600 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 7-7/8" to 9" (200 mm - 229 mm) in diameter
- Accepts QL80 NTR bit shank



Down Hole Button Bits

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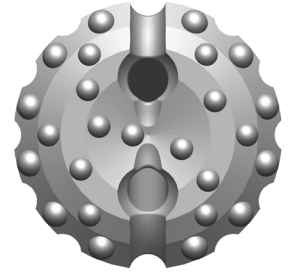
QL80 NTR
Bit Shank

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

7-7/8"	(200 mm)	132 lbs.	(59.9 kg)
8"	(203 mm)	133 lbs.	(60.3 kg)
8-1/2"	(216 mm)	139 lbs.	(63.0 kg)
8-5/8"	(219 mm)	141 lbs.	(64.0 kg)
8-3/4"	(222 mm)	144 lbs.	(65.3 kg)
8-7/8"	(225 mm)	146 lbs.	(66.2 kg)
9"	(229 mm)	147 lbs.	(66.7 kg)



Concave

* Bit weights are approximate

FEATURES

- 7/8" (22 mm) and 3/4" (19 mm) polycrystalline diamond carbide (PCD) buttons
- Retained bit head allows for retrieval
- Wear protection utilized as a gage indicator to assure proper hole size
- Recessed carbide inserts to insure longer life in tough formations
- Other bit sizes and carbide may be available upon request

For More Information Contact:

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