

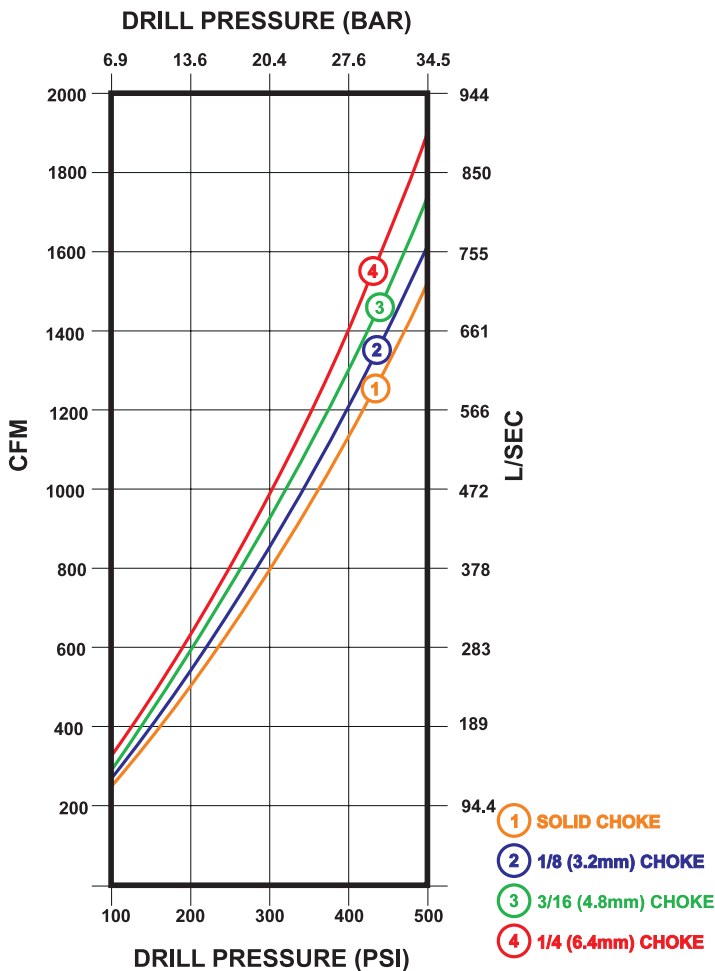


HAMMERS AND BITS
Patriot® 60W
Down Hole
Hammer

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

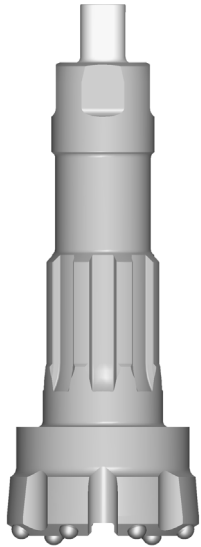
Diameter	5-1/2"	140 mm
Bore	4-1/2"	114 mm
Stroke	4"	102 mm
Weight (Hammer only)	204 lbs	93 kg
Length (Shoulder to Shoulder)	43-3/16"	1097 mm
Length (Shoulder to Bit Face)	46-13/16"	1189 mm
A.P.I. Reg. Threads	3-1/2	

- 1800 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 6" to 8-1/2" (152 mm - 216 mm) in diameter
- Accepts 360 bit shank



Down Hole Button Bits

Patriot® 60W



360 Bit Shank

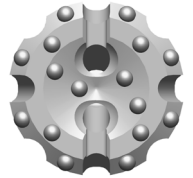
DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

6"	(152 mm)	52 lbs.	(24 kg)
6-1/8"	(156 mm)	52 lbs.	(24 kg)
6-1/4"	(159 mm)	53 lbs.	(24 kg)
6-1/2"	(165 mm)	53 lbs.	(24 kg)
6-3/4"	(172 mm)	55 lbs.	(25 kg)
7"	(178 mm)	63 lbs.	(29 kg)
7-1/2"	(191 mm)	66 lbs.	(30 kg)
8"	(203 mm)	69 lbs.	(31 kg)
8-1/2"	(216 mm)	72 lbs.	(33 kg)

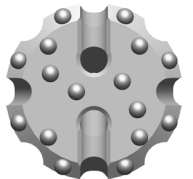
Concave



Convex



Flat



* Bit weights are approximate

FEATURES

- 5/8" (16 mm) diameter carbide buttons throughout face
- Chipways designed for faster hole cleaning
- Carbide buttons positioned for better fracture of rock providing faster penetration rates
- 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

