



HAMMERS AND BITS

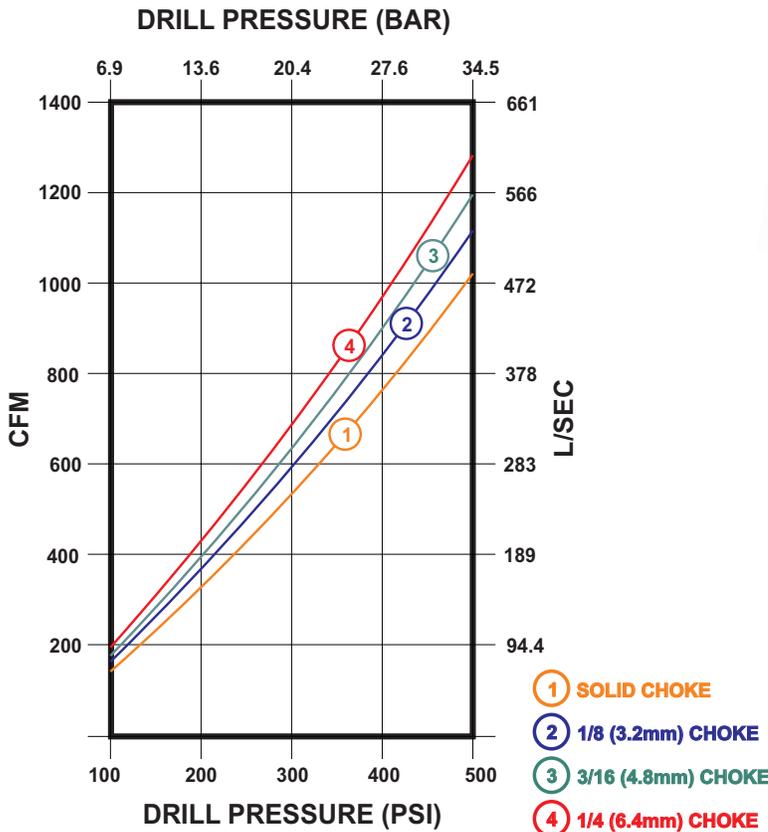
Patriot® 45

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	4"	102 mm
Bore	3.32"	84.3 mm
Stroke	4"	102 mm
Weight (Hammer only)	89 lbs	40 kg
Length (Shoulder to Shoulder)	36.40"	92 cm
Length (Shoulder to Bit Face)	39.66"	100 cm
A.P.I. Reg. Threads	2-3/8	

- 1800 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 4-1/2" to 5-1/4" (114 mm - 133 mm) in diameter
- Accepts TD40 bit shank



Down Hole Button Bits

Patriot® 45

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

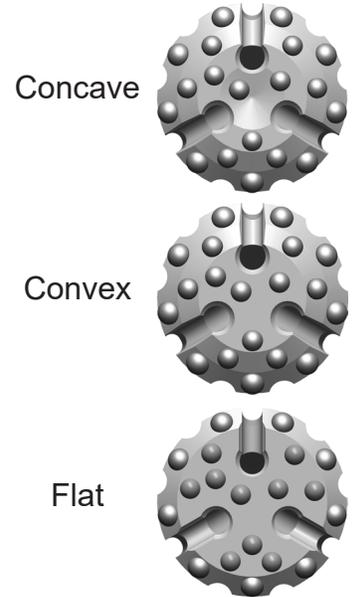
FACES AVAILABLE



TD40 Bit Shank

4-1/2"	(114 mm)	21 lbs.	(9.5 kg)
4-3/4"	(121 mm)	22 lbs.	(10.0 kg)
5"	(127 mm)	22 lbs.	(10.0 kg)
5-1/8"	(130 mm)	23 lbs.	(10.4 kg)
5-1/4"	(133 mm)	24 lbs.	(11.0 kg)

* Bit weights are approximate



FEATURES

- 9/16" (14 mm) diameter carbide gage buttons
- 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:

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