



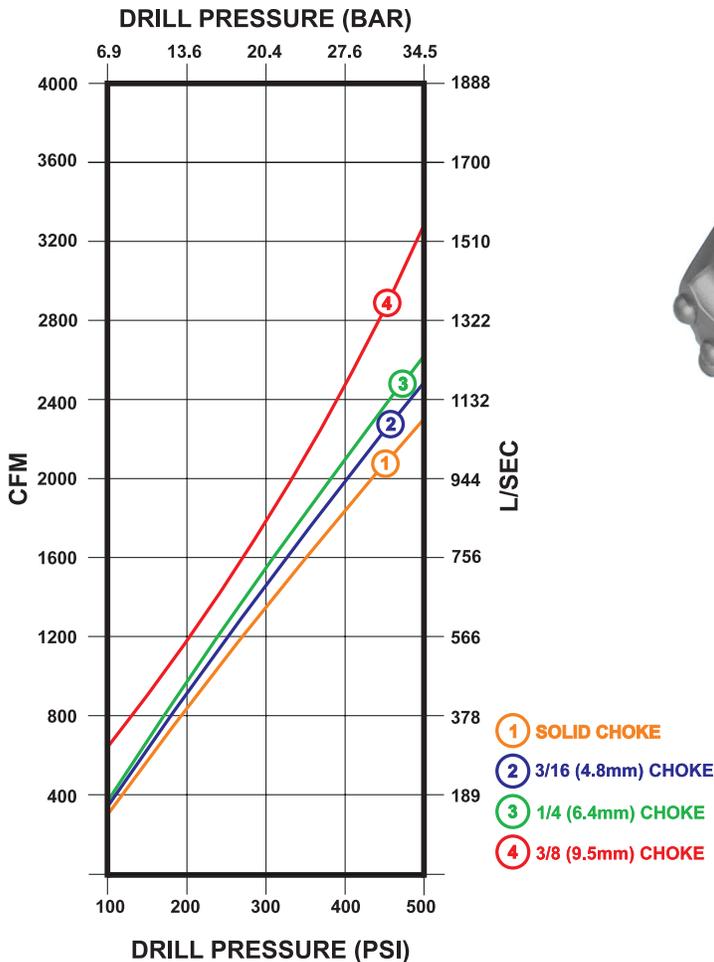
Challenger[®] 80

Down Hole Hammer

FEATURES

- Valveless down hole hammer design
- Designed to operate at pressures up to 500 PSI (34.5 BAR)
- Hardened, reversible, non-ported case for extended life
- Delivers more energy per blow which results in higher penetration rates in hard rock
- For use in any hard rock application

AIR CONSUMPTION



SPECIFICATIONS

Diameter	7-1/8"	181 mm
Bore	6"	152 mm
Stroke	4"	102 mm
Weight (Hammer only)	444 lbs.	201 kg
Length (Shoulder to Shoulder)	56"	142 cm
Length (Shoulder to Bit Face)	61"	155 cm
A.P.I. Reg. Threads	4-1/2	

- 1550 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 7-7/8" to 10" (200 mm - 254 mm) in diameter
- Accepts 380 bit shank

Down Hole Button Bits

Challenger® 80



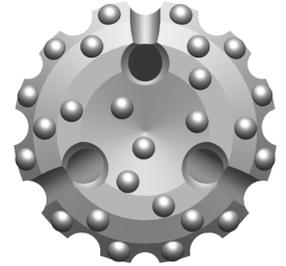
380 Bit Shank

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE

7-7/8"	(200 mm)	106 lbs.	(48.1 kg)
8"	(203 mm)	107 lbs.	(48.5 kg)
8-1/2"	(216 mm)	112lbs.	(50.8 kg)
8-5/8"	(219 mm)	113 lbs.	(51.3 kg)
8-3/4"	(222 mm)	114 lbs.	(51.7 kg)
8-7/8"	(225 mm)	115 lbs.	(52.2 kg)
9"	(229 mm)	120 lbs.	(54.4 kg)
10"	(254 mm)	125 lbs.	(56.7 kg)



Concave

* Bit weights are approximate

FEATURES

- 3/4" (19 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 and carbide may be available upon request

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