



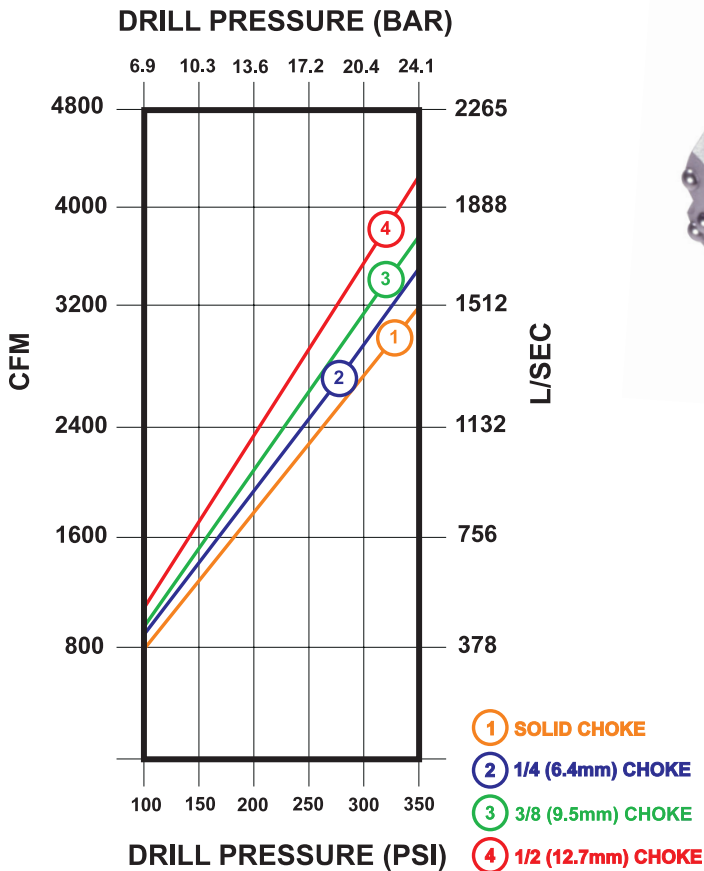
# Challenger<sup>®</sup> 125

## Down Hole Hammer

### FEATURES

- For use in any hard rock application
- Valveless down hole hammer design
- Designed to operate at pressures up to 250 PSI (17.0 BAR)
- Hardened non-ported piston case
- Plate drive system to eliminate spline wear and galling
- Suitable for drilling oil & gas wells, water wells, piling holes, elevator shaft holes and other construction jobs where large volume rock excavation is required

### AIR CONSUMPTION



### SPECIFICATIONS

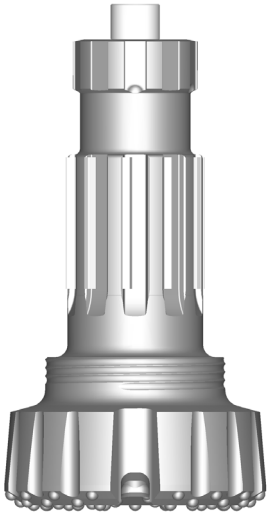
Diameter	10-3/4"	273 mm
Bore	9-1/4"	235 mm
Stroke	5"	127 mm
Weight (Hammer only)	1434 lbs.	652 kg
Length (Shoulder to Shoulder)	74"	188 cm
Length (Shoulder to Bit Face)	83"	211 cm
A.P.I. Reg. Threads	6-5/8	

- 1150 blows per minute at 250 PSI (17.0 BAR)
- Drills holes from 12-1/4" to 20" (311 mm - 508 mm) in diameter
- Accepts P125 bit shank



# Down Hole Button Bits

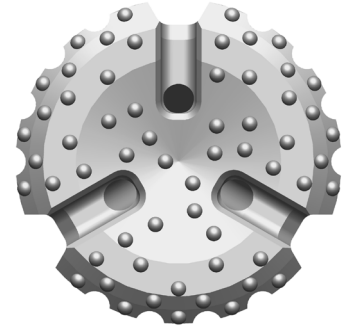
## Challenger® I25



P125 Bit Shank

<b>DIAMETER</b>		<b>WEIGHT*</b>	
inches (millimeters)		pounds (kilograms)	
12-1/4"	(312 mm)	433 lbs.	(197 kg)
12-3/8"	(315 mm)	437 lbs.	(199 kg)
13"	(331 mm)	450 lbs.	(205 kg)
14"	(356 mm)	509 lbs.	(231 kg)
15"	(381 mm)	533 lbs.	(242 kg)
16"	(406 mm)	581 lbs.	(264 kg)
17-1/2"	(445 mm)	619 lbs.	(281 kg)
18"	(457 mm)	646 lbs.	(293 kg)
19"	(483 mm)	781 lbs.	(354 kg)
20"	(508 mm)	833 lbs.	(378 kg)

## FACES AVAILABLE



Concave

\* Bit weights are approximate

## FEATURES

- Concave 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 available as an option
- Other bit sizes may be available upon request

### For More Information Contact:

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