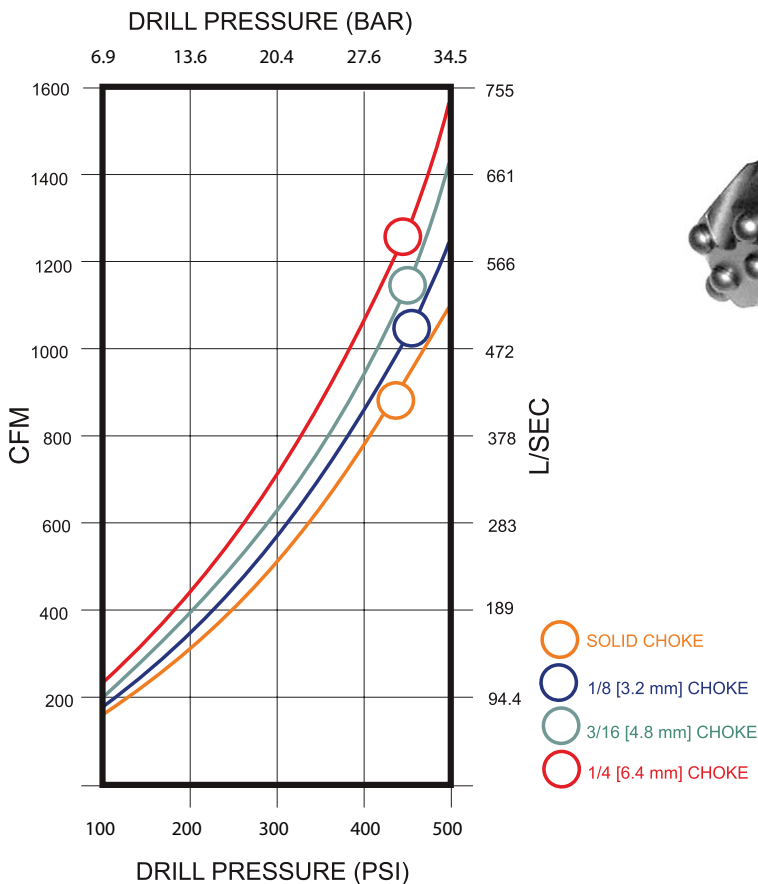


HDD 50 Directional Hammer

FEATURES

- Industry leading steerability
- Outstanding rate of penetration
- Simple design allows for field maintenance
- Reduced air requirement results in lower cost per foot
- More efficient and durable internal design
- High frequency operation provides less vibration
- Unique HDD locking thread design

AIR CONSUMPTION



SPECIFICATIONS

Diameter	5"	127 mm
Bore	4"	102 mm
Stroke	3-1/2"	89 mm
Weight (Hammer only)	148 lbs	67 kg
Length (Shoulder to Shoulder)	36-7/16"	93 cm
Length (Shoulder to Bit Face)	40-1/8"	102 cm
A.P.I. Reg. Threads	3-1/2	

- 1950 blows per minute at 350 PSI (23.8 BAR)
- Drills holes from 5-3/4" to 6-1/8" (146 mm - 156 mm) in diameter

HDD Directional Button Bits

HDD 50

DIAMETER
inches (millimeters)

WEIGHT*
pounds (kilograms)

FACES AVAILABLE



Convex

Convex Bits

5-3/4"	(146 mm)	36 lbs.	(16 Kg)
6"	(152 mm)	38 lbs.	(17 Kg)
6-1/8"	(156 mm)	39 lbs.	(18 Kg)

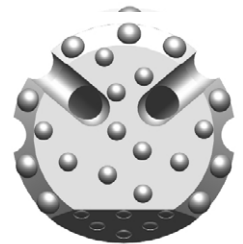
Slant Face Bits

6"	(152 mm)	40 lbs.	(18 Kg)
----	----------	---------	---------

**Bit weights are approximate*



Convex



Slant Face

FEATURES

- 5/8" (16 mm) diameter carbide buttons
- Convex and Slant face options available
- Carbide buttons positioned to effectively fracture rock providing for faster penetration rates
- Carbide grades selected for HDD performance
- Other bit sizes may be available upon request



Slant Face

For More Information Contact:

Gregg Hayes
Product Manager - HDD
Phone: 315.927.7400
Email: gregg.hayes@numahammers.com

