

THE NEW HMD508 PORTABLE MAGNETIC DRILL

High speed model
for Copperhead™
Carbide Cutters



RUGGED, HIGH POWERED, HEAVY DUTY DRILLING.

It's the ideal solution for:

- Building construction
- Steel erection
- Fabrication shops
- On-site installations
- General plant maintenance



Made in U.S.A.

The New HMD508 Portable Magnetic Drill is a rugged, high powered drill for general fabrication and high production environments. The HMD508 features a two speed gear box with a new higher speed of 450 & 750 RPM for use with Copperhead™ carbide cutters. Additional features include: a patented quill feed arbor system for smooth cuts and minimal maintenance, positive slug ejection, and a two stage magnet which engages full power when the motor is turned on. The HMD508 also includes a gravity feed coolant bottle and carrying case.

HOUGEN® SAFETY FEATURES

The HMD508 includes the Hougen® lift detector safety system. Rear mounted controls are easily accessible and ergonomically designed. Feed Handles quickly change from side to side.

PORTABLE MACHINE SHOP

Many accessories are available to turn your drill into a portable machine shop including: countersink, pipe adapter, pressurized coolant system, and more...

HMD508 SPECIFICATIONS

Electrical System	120V, 50/60 Hz - 14A, 1680W 230V, 50/60 Hz - 7A, 1680W		
Motor	13A (120V), 6.5A (230V) 450/750 RPM		
Diameter	7/16" - 2-3/8" (12mm - 60mm)		
Depth	3" (76mm)		
Cutter/Mount	Rotabroach® or Copperhead™ 3/4" shank		
Dimensions	20" H x 4-3/4" W x 10-3/4" L (508mm H x 121mm W x 273mm L)		
Magnet	Base	4" W x 8" L (102mm W x 203mm L)	
	1" Plate (25mm)	Dead Lift 2560 lb. (1161 kg)	Drillpoint Breakaway 1080 lb. (490 kg)
	3/8" Plate (9.5mm)	1550 lb. (703 kg)	820 lb. (372 kg)
Net Weight	45 lb (20.4 kg)		

Hougen®
Solving holmaking problems through innovation™

INCREASE YOUR PRODUCTIVITY

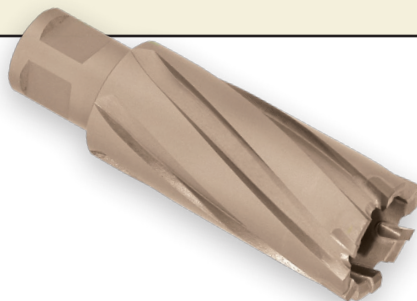
The HMD508 is not only a rugged, heavy duty drilling machine, but when combined with Hougen accessories, you have a versatile and portable machine shop. At Hougen, we continuously look for new and innovative ways to make your holemaking more productive. We have developed a full line of accessories that will add versatility to your HMD508. Contact your Hougen distributor for more information about how accessories may help in your application.



MODELS & PART NO.

Part No. 0508102 - HMD508 (high speed - 120V) Includes: wrenches, pint of coolant, carrying case.

Part No. 0508202 - HMD508 (high speed - 230V) Includes: wrenches, pint of coolant, carrying case.



COPPERHEAD™ CARBIDE TIP CUTTERS

For use on abrasive and tough-to-cut materials. Feature a brazed-in durable grade carbide insert for extended tool life. Special tooth geometry helps maintain better chip flow. 2" D.O.C. (50mm)

PIPE ADAPTER KIT

These kits let you drill pipe and tubing with a minimum 3" (76mm) diameter and some convex surfaces. Kits quickly attach to your HMD508 and positive non-slip positioning assures centered hole location.

SLICK-STIK™ LUBRICANT & ROTAMAGIC CUTTING FLUID

Slick-Stik™ is soft for easy application, superior adhesion to the tool, assuring thorough coverage. Use with ferrous or non-ferrous materials. RotaMagic™ Concentrated Cutting Fluid is water soluble and yields a 10:1 ratio when mixed with water.



COPPERHEAD™ CARBIDE TIP CUTTER KITS

Convenient Annular Cutter Kits contain five popular cutters, available in fractional or metric sizes. 2" D.O.C. (50mm)



ALTERNATIVE COOLANT SYSTEM

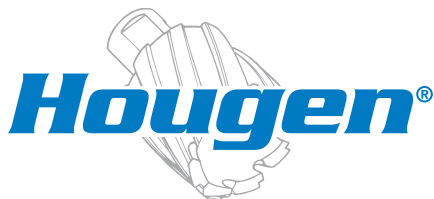
The two gallon pressurized coolant system for the HMD508 is used for drilling when gravity feed coolant is not applicable. Increases productivity and provides coolant in upside down and horizontal positions.

TWIST DRILL ADAPTER KIT

A convenient kit for small hole drilling. 1/4" to 1/2" in diameter. Easily installs in the HMD508 without removing drill arbor and coolant system. Adapter accepts a modified 118° twist drill with a 1/4" flattened shank that secures in the adapter with a set screw.

CARBIDE COUNTERSINK KIT

The 82° Countersink is double fluted with an interchangeable pilot assembly that requires minimum torque. For chamfering holes from 9/16" to 15/16" in diameter.



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