

THE HMD904 PORTABLE MAGNETIC DRILL



Made in U.S.A.

RELIABILITY, PERFORMANCE AND VERSATILITY.

It's the ideal solution for:

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

The HMD904 has a heavy duty hole making capacity, using the Rotabroach® "12,000-Series" Annular Cutters to produce holes from 12mm - 38mm thru materials up to 50mm thick.

The HMD904 includes positive slug ejection and operator ergonomic features such as rear-mounted, accessible controls and side-to-side reversible feed handles. For fast and easy changeout of drill arbor and accessories, the HMD904 is assembled with hex drive spindle mounting.

The HMD904 is also available with a swivel base. The swivel base helps to precisely line up the pilot with the holes center location especially in horizontal or overhead positions.

The HMD904 also includes many Hougen safety features such as a lift detector, which

shuts down the drill motor if lift of the magnetic base is detected. A two-stage power on switch that prevents drill rotation unless the magnet is engaged and in case of power interruption, safety circuitry that will keep the drill motor off after power is restored or until the start button is manually depressed.

The HMD904 comes with its own carrying case that also contains a safety chain, hex wrenches, and RotaMagic™ Coolant.

HMD904 SPECIFICATIONS			
Electrical System	230V, 50/60 Hz - 4.5A, 1035W		
Motor	4A (230V), 450 RPM		
Diameter	12mm - 38mm		
Depth	50mm		
Cutter/Mount	Rotabroach® or Copperhead™ 3/4" shank		
Dimensions	416mm H x 183mm W x 210mm L		
Magnet	Base	79mm W x 167mm L	
	25mm Plate	Dead Lift 794 kg	Drillpoint Breakaway 433 kg
	9.5mm Plate	594 kg	322 kg
Net Weight	12.5 kg		



MODELS & PART NO.

Part No.	Description	Voltage	Coolant Bottle	Swivel
0904301	HMD904	230V		
0904302	HMD904	230V	X	
0904303	HMD904	230V		X
0904304	HMD904	230V	X	X



INCREASE YOUR PRODUCTIVITY

At Hougen, we continuously look for new and innovative ways to make your hole making more productive. One way is by providing accessories that make your magnetic drills more versatile and productive. We have developed a full line of accessories that let you convert your HMD904 Magnetic Drill into a versatile and portable machine shop.



TWIST DRILL ADAPTER KIT

A convenient kit for small hole drilling. 1/4" to 1/2" in diameter. Easily installs in the HMD904 without removing drill arbor and coolant system. Adapter accepts a modified 118° twist drill with a 1/4" flatted shank that secures in the adapter with a set screw.

ARBOR EXTENDERS AND RATCHET DRIVES

1" and 2" Arbor Extenders are available when extended reach is necessary. For use with Rotabroach "12,000-Series" Cutters. For confined areas, use 02449 Ratchet Drive.

PIPE ADAPTER KIT

These kits let you drill pipe and tubing with a minimum 76mm diameter and some convex surfaces. Kits quickly attach to your HMD904 and positive non-slip positioning assures centered hole location.



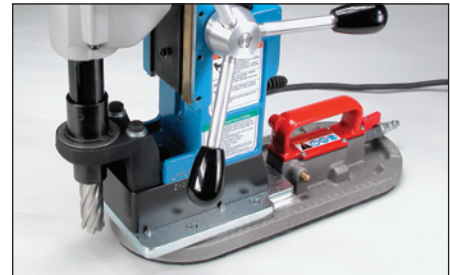
ROTABROACH® "12,000-SERIES" ANNULAR CUTTERS

For use on materials up to 275 BHN. Made of hardened, high speed tool steel and precision ground, cutters feature a 3/4" diameter shank.



ROTABROACH® "12,000-SERIES" ANNULAR CUTTER KITS

Convenient Annular Cutter Kits contain five popular cutters, available in metric or fractional sizes. 25mm or 50mm depth-of-cut.



VAC-PAD™

Works with model HMD904 on non-ferrous materials, diamond plate and materials with surface imperfections up to 3mm deep.

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.

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.

JACOBS® CHUCK AND SPINDLE ADAPTER

1/2" Chuck with key, part number 10732. Model HMD904 also requires 05536 Hex Spindle Adapter.



HOUGEN MANUFACTURING, INC.

P.O. Box 2005 • Flint, MI 48501
 3001 Hougen Drive • Swartz Creek, MI 48473 USA
 Ph: (810) 635-7111 • Fax: (810) 635-8277
 E-mail: info@hougen.com
 Online: www.hougen.com

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