

# THE HMD904 PORTABLE MAGNETIC DRILL



## RELIABILITY, PERFORMANCE AND VERSATILITY.

It's the ideal solution for:

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



Made in U.S.A.

The HMD904 is lightweight, compact, powerful & versatile, making it the drill of choice for general fabrication. Designed for the down and dirty job of making holes.

### FAST, EASY CHANGEOUTS

The HMD904 is assembled with a hex drive spindle mounting, for fast and easy changeout of drill arbor and accessories. The male hex mates to the drill arbor and is held in place by two set screws. To disengage the arbor, loosen the set screws and pull the arbor away from the motor spindle. The HMD904 also features rear-mounted, accessible controls and side-to-side reversible feed handles.

### HOUGEN® SAFETY FEATURES

The HMD904 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 rotation unless the magnet is engaged and a new safety switch that requires no adjustments.

### NEW KITS AVAILABLE

Our most popular drill is now available as a kit to maximize your productivity. The HMD904S adds the convenience of a swivel base, the HMD904C offers an attached coolant bottle, and the HMD904K Fabricators Kit is an all in one solution for holemaking.

### HMD904/904C SPECIFICATIONS

|                   |                      |   |                                 |
|-------------------|----------------------|---|---------------------------------|
| Electrical System |                      | 120V, 50/60 Hz<br>8A, 960W                |                                 |
| Motor             |                      | 7.2A, 450 RPM                             |                                 |
| Hole Capacity     | Diameter             | 7/16"-1-1/2" (12mm-38mm)                  |                                 |
|                   | Depth                | 2" (50mm)                                 |                                 |
| Cutter/Mount      |                      | Rotabroach® "12,000-Series"<br>3/4" shank |                                 |
| Dimensions        |                      | 16-7/16" H x 7-3/16" W<br>x 8-1/4" L      |                                 |
| Magnet            | Base                 | 3-1/8" W x 6-9/16" L                      |                                 |
|                   | Strength<br>1" Plate | Dead Lift<br>1680 lb.                     | Drillpoint Breakaway<br>900 lb. |
|                   | 3/8" Plate           | 1124 lb.                                  | 741 lb.                         |
| Net Weight        |                      | 27.5 lb.                                  |                                 |
| Shipping Weight   |                      | 38.1 lb.                                  |                                 |

**Hougen®**  
Solving holemaking problems through innovation™

# INCREASE YOUR PRODUCTIVITY

At Hougen, we continuously look for new and innovative ways to make your holemaking more productive. One way is by providing accessories that make your magnetic drill 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. In addition to a variety of accessories, the HMD904 is equipped with a Hex Drive Spindle Mount making changeouts easier and faster. See our catalog for our full line of accessories and annular cutters.



## 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.



## 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.



## DRILL CHUCKS AND SPINDLE ADAPTER

1/2" Low Buck Chuck with key, part number 10731 or 1/2" Jacobs® Chuck with key, part number 10732. Model HMD904 also requires 05536 Hex Spindle Adapter for both chucks.

## SWIVEL BASE UPGRADE KIT

Take more time out of holemaking, when you convert your standard HMD904 to a swivel base magnetic drill using the 05757 Upgrade Kit. A swivel base makes precise centering of pilot with the holes center location quick and easy. (Upgrade limits depth of cut to 1-1/4")

## PIPE ADAPTER KIT

These kits let you drill pipe and tubing with a minimum 3" diameter and some convex surfaces. Kits quickly attach to the HMD904 and positive non-slip positioning assures centered hole location.



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

Convenient Annular Cutter Kits contain five popular cutters, available in fractional or metric sizes. 1" or 2" depth-of-cut.

## SLICK-STIK™ LUBRICANT & ROTAMAGIC CUTTING FLUID

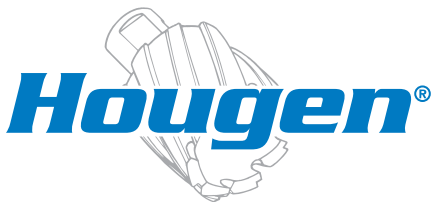
Slick-Stik™ is soft for easy application, superior adhesion to the tool, assuring thorough coverage. RotaMagic™ Concentrated Cutting Fluid is water soluble and yields a 10:1 ratio when mixed with water.

## 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.

## VAC-PAD™

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



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