

THE NEW HMD904S SWIVEL BASE MAGNETIC DRILL



**FLEXIBLE,
RELIABLE,
AND VERSATILE.**

It's the ideal solution for:

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



Made in U.S.A.

Lineup holes quicker and easier with the new Swivel Base HMD904S. No more trying to pin point the pilot before energizing the magnet. Just get the pilot close to your hole, energize the magnet. Then use the swivel to line up your pilot. Uses a quick one stroke handle for locking and unlocking the swivel. Works great for horizontal and overhead drilling.

A PORTABLE MACHINE SHOP

The HMD904S is lightweight, compact, powerful & versatile making it the drill of choice for general fabrication. Designed for the down and dirty job of making holes. It uses Rotabroach® Annular Cutters for 1-1/2" x 2" cutting.

HEX ARBOR

The HMD904S 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.

HOUGEN® SAFETY FEATURES

The HMD904S includes the Hougen® safety switch indicator system. It tells the operator when the lift sensor is engaged, making the drill operational.

Rear positioned controls are easily accessible & ergonomically designed. Feed handles can be switched to either side.

The HMD904S includes a carrying case, wrenches and a pint of coolant.

HMD904S Specifications			
Electrical System		120V, 50/60 Hz 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" 3/4" Shank	
Dimensions		16-3/8" H x 7-3/16" W x 8-1/4" L	
Magnet	Base	3-1/8" W x 6-9/16" L	
	Strength 1" Plate	Dead Lift	Drillpoint Breakaway Back 770 lb. Forward 640 lb.
		3/8" Plate	965 lb.
Net Weight		30.5 lb.	
Shipping Weight		41.1 lb.	
Swivel Area		1-1/8" W x 1-3/8" L	

**The Hougen HMD904S
Swivel Base Drill. Give us a call
and ask for a demonstration.**

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 HMD904S Swivel Base Magnetic Drill into a versatile and portable machine shop. In addition to a variety of accessories, the HMD904S 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 HMD904S 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.

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

The kit lets you drill pipe and tubing with a minimum 3" diameter and some convex surfaces. Kits quickly attach to the HMD904S & 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 fractional or metric sizes. 1" or 2" depth-of-cut.



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 HMD904S also requires 05536 Hex Spindle Adapter for both chucks.

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 HMD904S on non-ferrous materials, diamond plate and materials with surface imperfections up to 3mm deep.



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