

DI MAG DRILLS FOR SPECIAL APPLICATIONS



DI-SM Swivel Magnet

The swivel base magnetic drill has the ability to operate on convex (min. diameter 12”) and concave surfaces (min diameter 40”). This drill can be used for drilling into pipes, tubes and vessels. It can also be used for creating nozzle openings. Four individual swivel magnets adjust to the surface, allowing the machine to work on uneven work areas. Every magnet is equipped with variable holding force features allowing easy machine positioning while the magnets are partially engaged. The magnets work without electricity making a great safety solution for your drilling needs.

DI-PM Permanent Mag

Drill out of position without the worry of power loss with the D1-PM with Permanent Magnet. The D1-PM’s neodymium rare earth magnets clamp to ferrous surfaces without the need for external electric power offering a safety solution few mag drills on the market can match. The switchable permanent magnet allows for partial engagement making placement over the hole location easy and precise



DI-TS for Thin Steel

Another innovative D1 variant, the D1-TS for Thin Steel features an innovative magnet design which allows for optimal magnetic field distribution on very thin steel plates with comparable holding force to drills with standard magnets. This allows the drill to safely work on material down to 1/8” (3mm) where most other drills would be deemed unsafe or not work at all.

Technical Specifications

	D1-SM	D1-PM	D1-TS
Model Number	D1-SM	D1-PM	D1-TS
Motor Speed (under load)	350 rpm	350 rpm	350 rpm
Motor Power	920W	920W	920W
Voltage	115V 60Hz 230V 50Hz	115V 60Hz 230V 50Hz	115V 60Hz 230V 50Hz
Power Consumption	1000W	1000W	1000W
Overload Protection	Yes	Yes	Yes
Max Milling Cap.	1-7/16" (36 mm)	1-7/16" (36 mm)	1-7/16" (36 mm)
Max Countersinking Cap.	1-9/16" (40 mm)	1-9/16" (40 mm)	1-9/16" (40 mm)
Stroke	2-3/4" (70 mm)	2-3/4" (70 mm)	2-3/4" (70 mm)
Max Depth of Cut	1-3/8" (35 mm)	1-3/4" (45 mm)	2" (51 mm)
Magnetic Holding Force	1346 lbs (612 kG)	1346 lbs (612 kG)	2019 lbs (918 kG)
Magnetic Base Dimensions	243mm x 218 mm x 96 mm 9.57" x 8.58" x 3.78"	98 mm x 237 mm x 100 mm 3.86" x 9.33" x 3.87"	100 mm x 200 mm x 38 mm 3.94" x 7.87" x 1.5"
Minimum Workpiece Thickness	1/4" (5 mm)	1/4" (5 mm)	1/8" (3 mm)
Part Number	SM-D1-SM	SM-D1-PM	SM-D1-TS

Steelmax

The tools of innovation.