



FEIN



JMC MAGFORCE 90 Structural Steel HSS Cutter Set 1" 3/4" Weldon

Universal magnetic base drill up to 1-3/8"
[35 mm] with accessory set

The world's smallest magnetic base drill with right and left hand rotation meets HSS 1 in cutters and core drilling accessories. Perfect for general steel fabrication, bridge construction and truck frames.

Product number: 7 273 23 66 09 0

Details

- + **WORK IN THE TIGHTEST SPACES:** With overall dimensions of 6-5/8" x 11-3/8" and a low weight of 18.75 lbs., it fits where other mag drill simply can't.
- + **WORK EFFICIENTLY:** Forward and reverse rotation and a unique spindle sleeve feed for cutting depths of up to 1-3/8 means you can do many jobs at once.
- + **WORK ANYWHERE:** Its small size, low weight, and ratchet handle means you can fit this drill almost anywhere, and even work easily overhead.
- + **DOESN'T COMPROMISE POWER OR SPEED:** 1150 W brushless motor and electronic speed setting for impressive results, no matter the application.
- + **WORK SAFELY:** 2,248 lbf magnetic holding force but in the rare instance the magnet is compromised, our tilt sensor safety shut off automatically shuts down the drill.
- + **Annular cutter HSS 1 in:** Industry standard: 2 flat 3/4" straight shank for use with most commercially available mag drills. Helical flute design reliably evacuate the chips out of the hole for fast, efficient chip removal. High performance: all cutting teeth have the same geometry which helps to produce clean, burr free holes while allowing for a fast, smooth cut. 100% heat treated throughout for longer service life. Can be resharpened up to 6 times for a low cost per hole.
- + **Magbrush:** Safely remove metal chips and debris from machinery and work areas using FEIN's magnetic brushes. The Magbrush's slide action lever quickly demagnetizes the tool, which releases chips for disposal.
- + **Slugger by FEIN cutting paste** is a biodegradable cutting paste that is used when drilling out of position and gravity feed coolant is not an option, used with Slugger cutters, is a water-based fluid designed to extend tool life, improve surface finish and reduce heat build-up when drilling.
- + **L-BOXX case system - Stay organized:** easily stack and connect L-BOXX's to create a portable carrying case of multiple tools.

Price includes

- | | |
|--|--|
| + 1 magnetic base drill | + 1/2 in ratchet |
| + 1/2 in socket wrench extension | + 1 coolant pump |
| + 1 safety strap | + 1 chip hook |
| + 1 centering pin dia. 3/16 x 3-1/8 [4.75 x 80] in[mm] | + 1 centering pin dia. 1/4 x 3-1/4 [6.35 x 82] in[mm] |
| + 1 chip guard | + 1 auxiliary handle |
| + 1 Allen key 5 mm | + 1 hexagonal socket key with T-grip 5 mm |
| + 1 plastic carrying case (L-BOXX 238) | + 1 each HSS 1 in annular cutter 1 in [25 mm] cutting depth (Ø 9/16, 11/16, 13/16, 15/16, 1-1/16 in) |
| + 2 centering pin dia. 1/4 x 3-1/4 [6.35 x 82] in[mm] | + 1 Magbrush |



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+ 1 Jancy Cutting Paste

+ 1 L-BOXX 136 for accessories

Application



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Mag base drilling metal up to 1-1/2" dia.

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Twist drilling with drill chuck

+

Performing overhead work

++

Installation work

++

Workshop jobs

++

+ suitable

++ well suitable

Technical data

TECHNICAL DATA

Power consumption

1,100 W

Power output

550 W

Full load speed

130 - 520 rpm

Carbide cutter max. dia.

1-3/8 [35] in[mm]

HSS cutter max. dia.

1-3/8 [35] in[mm]

Cutter max. drilling depth

1-3/8 [35] in[mm]
in[mm]

Twist drill max. dia.

3/4 [18] in[mm]

Cutter holder

3/4" straight shank

Stroke

5-5/16 [135] in[mm]

Magnetic holding force

2248 [10,000] lbs[N]

Cable with plug

13.1 [4] ft[m]

Weight

23.59 lbs

VIBRATION AND SOUND EMISSION VALUES

Sound pressure level LpA
Measurement uncertainty of
the measured value KpA

82,3 dB
5 dB

Sound power level LWA
Measurement uncertainty of
the measured value KWA

93,3 dB
5 dB

Peak sound value
LpCpeak
Measurement uncertainty of
the measured value KpCpeak

95,9 dB
5 dB

Vibration value 1 α_{hv} 3-
way
Measurement uncertainty of
the measured value K α

$\alpha_{h,D} < 2,5 \text{ m/s}^2$
1,5 m/s²

Application examples

