



## **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 socket wrench extension
- + 1 safety strap
- + 1 centering pin dia. 3/16 x 3-1/8 [4.75 x 80] in[mm]
- + 1 chip guard
- + 1 Allen key 5 mm
- + 1 plastic carrying case (L-BOXX 238)
- + 2 centering pin dia. 1/4 x 3-1/4 [6.35 x 82] in[mm]
- + 1/2 in ratchet
- + 1 coolant pump
- + 1 chip hook
- + 1 centering pin dia. 1/4 x 3-1/4 [6.35 x 82] in[mm]
- + 1 auxiliary handle
- + 1 hexagonal socket key with T-grip 5 mm
- + 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)
- + 1 Magbrush



**FEIN**

+ 1 Jancy Cutting Paste

+ 1 L-BOXX 136 for accessories

## Application



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

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Twist drilling with drill chuck

+

Performing overhead work

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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
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 [10.70] lbs[kg]

### 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 $\alpha_{hv}$ 3- way Measurement uncertainty of the measured value K $\alpha$	$\alpha_{h,D} < 2,5 \text{ m/s}^2$ 1,5 m/s <sup>2</sup>

Weight

23.59 lbs

## Application examples

