



FEIN



JMC MAGFORCE 90 Structural Steel TCT 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 TCT cutter and core drill accessories. Perfect for general steel fabrication, bridge construction and truck frames.

Product number: 7 273 23 67 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.
- + **Annual cutter TCT 1 in:** Helical flute design reliably evacuates the chips out of the hole for fast, efficient chip removal. Durability: all cutting teeth have the same geometry to produce clean, burr free holes. Carbide cutters make for a longer lasting cutter and is ideal for harder materials and higher RPMs.
- + **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 ULTRA 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 |
| + 1 Jancy Cutting Paste | + 1 L-BOXX 136 for accessories |



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Application



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

++

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

