



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 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 Jancy Cutting Paste
- + 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 ULTRA 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
- + 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 α_{hv} 3- way Measurement uncertainty of the measured value K α	$\alpha_{h,D} < 2,5 \text{ m/s}^2$ 1,5 m/s ²

Weight

23.59 lbs

Application examples

