

JCM 312 U

Magnetic base drilling unit up to 3 1/8" (80 mm)

Part Number: 7 27 03 861 12 0



The JCM 312 U workshop machine is ideal for everyone who wants to use the full capabilities of a mag base drill unit: mag base drilling, drilling, tapping, countersinking, and reaming.

- Optimal cutting speed when core drilling, drilling, tapping, countersinking, and reaming, due to mechanical three-speed gear box and continuously-variable electronic speed reduction.
- Flexible tool use and highly accurate concentricity using a combination of QuickIN and MT 3 holder.
- High torque, high-performance motor for efficient core drilling up to 3 1/8" (80 mm) and tapping up to 1 1/8" (M27).
- QuickIN MAX fast tool change system
- Extra long stroke
- Forward and reverse rotation
- Speed-controlled tacho electronics
- Powerful electromagnet
- Electronic magnetic hold increase
- Visual magnetic holding force gauge



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Technical data

Carbide-tipped cutter max. dia. in (mm)	3 1/8 (80)
HSS cutter max. dia. in (mm)	2 9/16 (65)
Cutter max. hole depth in (mm)	2 (50)
Twist drill max. dia. in (mm)	1 1/4 (32)
Tapping max. in (M)	1 1/8 (27)
Max. countersinking dia. in (mm)	2 (50)
Reaming max. dia. in (mm)	1 3/16 (31)
Input current A	15
Load speed	
1st gear rpm.	110 – 180
2nd gear rpm.	160 – 260
3rd gear rpm.	350 – 580
Cutter holder	QuickIN / QuickIN MAX
Tool holder MT	3
Stroke in (mm)	5 11/16 (145)
Total stroke range in (mm)	11 3/16 (285)
Drill stand fine adjustment range in (mm)	± 5/32 (4.25)
Drill stand angular adjustment range	± 11°
Magnet holding force lbs (N)	4,050 (18,000)
Magnetic base dimensions in (mm)	10 11/16 × 3 9/16 (270 × 90)
Cable with plug ft (m)	13 (3.8)
Weight according to EPTA lbs (kg)	55.9 (25.4)

Price includes:

1 case
1 coolant container
1 safety strap
1 chip hook
1 3-jaw chuck 1/2" (13 mm) dia
1 QuickIN adapter for M 18 × 6 P 1.5
2 centering pins
1 drift
1 touch guard