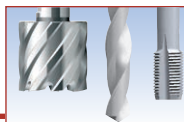




Cutter capacity
5 1/8" dia.

MAB 1300



Large holes – up to 5 1/8" diameter
Tapping up to 1 5/8" diameter

Powerful • Reliable

- 20 Amp double-insulated motor
- 22" high, 112 lbs.
- 4-speed oilbath gearbox for applications requiring high power
- Designed for continuous use
- Infinitely variable torque control and full-wave control electronics

Drill up to 5-1/8" dia.
Tap up to 1-5/8" dia.

- Uses annular cutters
7/16" to 5-1/8" dia., 1" and 2" depth
7/16" to 5-1/8" dia., 3" to 8" depth*
- Twist drilling up to 1-3/4" - uses MT4, countersinking up to 3" dia.
- Tapping up to 1-5/8"
- Reaming up to 2"
- Automatic internal lubrication

Integrated Safety

- Green/Red LED magnetic force indicator for safe operation
- Equipped with Electronic Safety Shutoff Sensor (see p. 3)
- Emergency-off function

*Ideal for use with
TCT Carbide cutters
up to 5 1/8" dia. –
see pages 42-43.*



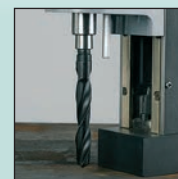
* 3" depth cutters or longer require purchase of ZIA 432 KN adapter and 1-1/4" Weldon adapter.



Equipped with
Electronic Safety
Shutoff Sensor (see p. 3)



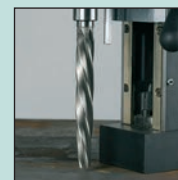
**4 Gears
with Variable
Speed**



Twist Drilling



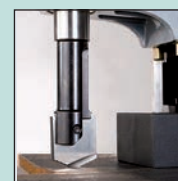
Tapping



Reaming



Countersinking



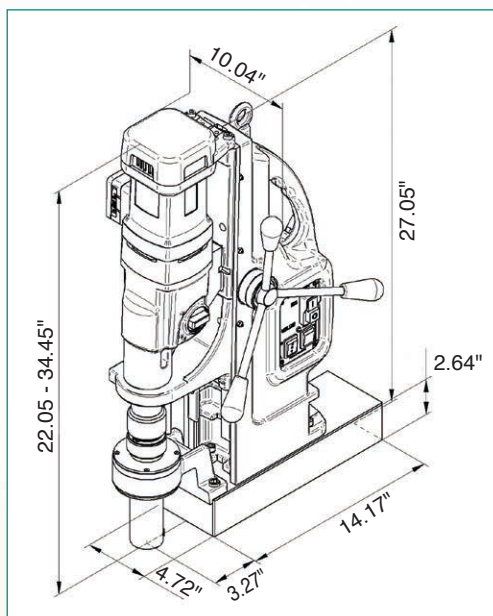
Optional
Special-Purpose
Cutting Tool

Cutter Capacity	Twist Drill / Countersink	Ream / Tap	Stroke (length)	4-gear Variable Speed (RPM)	Electronics	Overheat Protection	Magnet Force Indicator	Reversible (CW/CCW)
 ø 5 1/8"	 ø 1 3/4" / ø 3"	 ø 2" / ø 1 5/8"	 3.35" (12" without retainer)	 30-80 50-120 130-350 210-550	 Variable-speed Control	 CoolMag™	 SafeMag™	 Reversible (CW/CCW)

MAB 1300 Specifications



Cutter capacity
5 1/8" dia.



Model MAB 1300

Model MAB 1300 Specifications

Motor Power	20 Amp / 110 Volt
Weight	112 lbs.
Hole Capacity	5 1/8" dia.**
Twist Drill Capacity	1 3/4" dia.
Tapping Capacity	1 5/8" dia.
Speeds	30-80, 50-120 130-350, 210-550 RPM
Magnet Base Size	14" L x 4 3/4" W
Dimensions	22" H x 19 1/2" L x 10" W
Magnetic Force (1" plate)	23,600 lbs.
Arbor Bore	1 1/4" (3/4" adapter included)
Spindle	MT4
Automatic Lubrication	Included

** Maximum hole diameter is with TCT Carbide cutters - see p. 42-43.

Standard Equipment

- 1 Magnetic drilling machine
- 1 Carrying case on wheels
- 1 Arbor adapter to 3/4" Weldon
- 1 Safety chain
- 1 Hexagon socket screw key SW6
- 1 Drift key MT4
- 1 Operating manual
- 1 Warranty certificate

Standard Equipment
also includes
auto lubrication,
safety strap,
carabin hook
and allen keys.



Accessories

See pages
28-29 for
tapping
accessories
and wheeled
carrying case.



ZHK 1300
wheeled
carrying case
included with
MAB 1300

PORTABLE MAGNETIC DRILLS

➤ Annular Cutters: pages 36-46 ➤ Accessories: pages 47-53



Cutter capacity
5 1/8" dia.

MAB 1300 V



Strongest magnetic drill with adjustable automatic feed and reverse

- Ideal for production applications
- Power feed controls drill pressure to maintain optimal RPM and feed rate

Drill up to 5-1/8" dia.

Tap up to 1-5/8" dia.

Ream up to 2" dia.

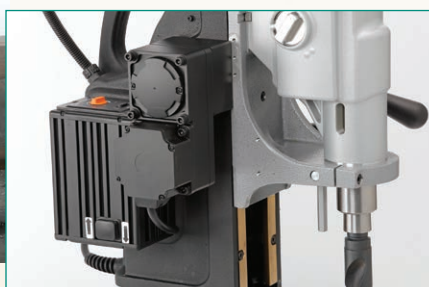


Drill automatically



Drill manually

Automatic feed motor



Rolling Transport Case for MAB 1300

Order No. **ZHK 1300**

Robust transport case with wheels, carrying handle and sturdy closures. Protect your investment from water and dust with this rugged case. Four large ABS locks and an interior configuration customized for machine to secure drill and accessories during transit. Lightweight, heavy-duty plastic construction and robust ABS wheels.

Drill not included with ZHK 1300. Purchase of MAB 1300 drill includes ZHK 1300 case. See page 25 for MAB 825/845 case.



Watertight, shock-proof and robust – the right protection for your machine.

Four large ABS locks secure the robust plastic case

Tapping Accessories for MAB 1300, MAB 825, MAB 845 and CSU 100/3RL

Heavy-duty Tap Holders

- Positive, accurate driving of larger-sized taps
- No slippage or tap damage
- Tap shank square engages with square drive socket
- 3 set screws secure tap in holder

Order Number	Morse Taper	Tap Size	Tap Shank Diameter	Tap Shank Square
70308	3	5/8"	.480	.366
70301	3	3/4"	.590	.442
70302	3	7/8"	.697	.523
70303	3	1"	.800	.600
70304	3	1-1/8"	.896	.672
70403	4	1"	.800	.600
70404	4	1-1/8"	.896	.672
70405	4	1-1/4"	1.021	.766
70406	4	1-3/8"	1.108	.831
70407	4	1-1/2"	1.233	.925
70408	4	1-5/8"	1.305	.979

Part No. **GSW 444** quick-change tapping chuck with MT4 connection (for MAB 1300). Collets not included. GSW 444 and GSS-4xx collet set shown below.

GSS-420 collet for 20mm shanks
GSS-422 collet for 22mm shanks
GSS-427 collet for 27mm shanks
GSS-433 collet for 33mm shanks
GSS-442 collet for 42mm shanks

See page 50 for additional tapping options.

Tap Collets and Reducing Adapters



Tap Collets with 3/4" or 1-1/4" Weldon shank
all threads shown are ASA Standard (or DIN 376 for metric)



Thread	Order No.	Thread	Order No.
1/4	TCM 1/4	9/16	TCM 9/16
5/16	TCM 5/16	5/8	TCM 5/8
3/8	TCM 3/8	11/16	TCM 11/16
7/16	TCM 7/16	3/4	TCM 3/4
1/2	TCM 1/2		



Bushing – Reduces 1-1/4" Weldon shank to 3/4" Weldon shank
Order No. **ZAP 200**



Reducing Sleeve
DIN 2185

Order No. **ZRH 430** for MT 4:3
(adapts MT4 to MT3)



Unibroach® Large-Hole Cutting

Cut holes up to 5-1/8" dia., 12" deep!



Large HSS, TCT or M42 Cutters

Available in TCT Carbide, HSS, Cobalt and ARMOR-PLATED Unibroach™

Drill perfect holes up to 5 1/8" diameter without runout

- Standard with 3/4" or 1 1/4" shank diameters
- More cutting teeth to distribute the load evenly – increase tool life and achieve faster feed rates
- Use on milling machines, drill presses, CNC and other equipment
- A solid slug has a higher value for scrap metal



* Pilot pins not supplied with 6" or larger depth cutters. Pilot pins can be purchased separately.