Your Local source for Tools & Supplies since 1945

AIS
INDUSTRIAL & CONSTRUCTION SUPPLY

3900 Ulster Street
Denver, Colorado 80207
303-355-2391

www.aisind.com

UNITEC Magnetic Drills

High-Performance Power Tools & Accessories

Made in Germany

- Strongest clamping force with high-density dual-coil magnets
- Drill cutting capacity up to 6" diameter
- Magnetic drills for tapping
- Automatic feed drills
- Annular Cutters: HSS, TCT Carbide, TiAlN & Cobalt

CS Unitec Magnetic Drills Feature:

- Longest drill strokes in the industry
- Best power to weight ratios
- Variable-speed, multiple-geared models
- Reversible motors for tapping
- Automatic feed for increased production
- Swivel bases for fast alignment
- Patented pipe magnets fit round, curved, & flat surfaces
- SafeMag feature for increased tool life and safety
- Electric, pneumatic, & hydraulic power options
- Largest range of cutters up to 6" dia. x 10" deep

Fast, accurate hole cutting... on the job site or in the shop!

Magnetic Drills Comparison

Made in Germany
Powered by

	MABasic 200	MABasic 400	MABasic 450	MABasic 850	MAB 100 K	MAB 155	AutoMAB 350	AutoMAB 450	PipeMAB 200	PipeMAB 525
Annular Cutters Diameter (ø)	up to ø 1-3/8"	up to ø 1-5/8"	up to ø 1-3/4"	up to ø 3-1/16"	1-3/8"	up to ø 1-1/2"	up to ø 1-1/2"	up to ø 2"	up to ø 1-3/8"	up to ø 2-1/2"
Twist Drills Diameter (ø)	up to ø 1/2"	up to ø 5/8"	up to ø 3/4"	up to ø 1-1/4"			up to ø 1/2"	up to ø 3/4"	up to ø 1/2"	up to ø 1"
Tapping Diameter (ø)										up to ø 15/16"
Countersinking Diameter (ø)										up to ø 2"
Reaming Diameter (ø)										
Stroke	6-1/3"	6-1/3"	6-1/3"	10"	2-3/4"	1-1/2"	6"	6"	6-1/3"	6-1/3"
Weight	27 lbs.	27 lbs.	29 lbs.	53 lbs.	21.8 lbs.	24 lbs.	33 lbs.	35-1/4 lbs.	27 lbs.	43 lbs.
Speed Range 1	450 RPM	430 RPM	250 RPM	110 RPM	460 RPM	460 RPM	460 RPM	250 RPM	450 RPM	70-280 RPM
Speed Range 2		760 RPM	450 RPM	175 RPM				450 RPM		180-580 RPM
Speed Range 3				245 RPM						
Speed Range 4				385 RPM						
REVERSIBLE										√
SafeMag System									Patented Permanent Mag System	Patented Permanent Mag System
SafeMag System					√		√	√		
Electronic Safety Shutoff Sensor	√	√	√	√	√	√				
Special Features					Quick-change	Low Profile			Patented Pipe Base	Patented Pipe Base
Morse Taper (MT)			MT2	MT3				MT2		MT3
Safety Friction Clutch										
Torque Control										√
Pipe Adapted or Adjustable Base									√	√
Magnet Size	6-5/8" x 3-1/3"	6-5/8" x 3-1/3"	6-5/8" x 3-1/3"	8-5/8" x 4-1/3"	6-1/3" x 3-1/8"	6-5/16" x 3-3/16"	6-5/8"x 3-1/3"	6-5/8"x 3-1/3"	10.5" L x 7.5" W x 3.5" H	10.5" L x 7.5" W x 3.5" H

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UNITEC Made in Germany Powered by BDS MASCHINEN

MAB 455	MAB 465	MAB 485 MAB 485 SB	MAB 525 MAB 525 SB	MAB 825 KTS	MAB 825 MAB 825 V MAB 845 MAB 845 V	MAB 1300 MAB 1300 V	AIRBOR™	HB 4400	Model 2 1345 0010 & 2 1345 0020	
up to ø 2-1/16”	up to ø 2"	up to ø 2-1/16"	up to ø 2-1/2"	up to ø 3-1/8"	up to ø 4-1/16"	up to ø 6"*	up to ø 2-1/16"	up to ø 2-1/16"	up to ø 4"	**Max. hole diameter up to 6"**
up to ø 7/8”	up to ø 5/8"	up to ø 7/8"	up to ø 1"	up to ø 1-1/4"	up to ø 1-1/4"	up to ø 1-3/4"	up to ø 5/8"	up to ø 1/2"	up to ø 1-1/4"	**Max. twist drilling up to 1-3/4"**
	up to ø 5/8"	up to ø 15/16"	up to ø 15/16"	up to ø 1-3/16"	up to ø 1-1/8"	up to ø 1-5/8"			up to ø 1"	**Max. tapping up to 1-5/8"**
	up to ø 1-1/2"	up to ø 1-5/8"	up to ø 2"	up to ø 2"	up to ø 2"	up to ø 3"			up to ø 2"	
		up to ø 7/8"	up to ø 7/8"	up to ø 1-1/4"	up to ø 1-1/4"	up to ø 2"			up to ø 1-1/8"	
6-1/3"	6-1/3"	6-1/3"	6-1/3"	10"	10"	3.35" (12" w/ out retainer)	up to 10-1/4"	up to 3-3/4"	12"	
29 lbs.	29 lbs.	29 lbs.	35 lbs.	99 lbs.	55 lbs.	112 lbs.	43 lbs.	48-1/2 lbs.	50 lbs.	
250 RPM	50-250 RPM	50-250 RPM	70-280 RPM	40-110 RPM	40-110 RPM	30-80 RPM	400 RPM	0-630 RPM	40-250 RPM	Pneumatic Hydraulic
450 RPM	100-450 RPM	100-450 RPM	180-580 RPM	65-175 RPM	65-175 RPM	50-120 RPM				
				140-360 RPM	140-360 RPM	130-350 RPM				
				220-600 RPM	220-600 RPM	210-550 RPM				
	√	√	√	√	√	√			√	**Allows thread cutting**
√	√	√	√	√	√	√				**Overheating protection**
√	√	√	√	√	√	√				**Magnet adhesion indicator**
√	√	√	√	√	√	√				**Shuts down motor if magnetic contact lost**
Quick-change		Quick-change	Quick-change	X,Y-MILLING	Automatic - Quick-change	Set Screw	Set Screw	Set Screw	Set Screw	
MT2		MT2	MT3	MT3	MT3	MT4			MT3	
				√	√	√				
			√	√	√	√				
		√	√	√	√					**Adjustable Base or Patented Pipe Base Adapter**
6-5/8” H x 3-1/3” W	6-5/8" x 3-1/3"	6-5/8" x 3-1/3"	7-1/8" x 3-1/2"	8-11/16" x 8-11/16"	8-5/8" x 4-1/3"	14" x 4-3/4"	8-3/4" x 3-1/2"	7-1/4" x 3"	11-11/16" x 4"	

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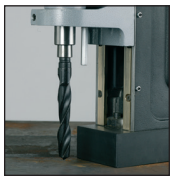
Rugged construction and sophisticated functionality.

Intuitive magnets, ergonomic controls, and streamlined operation for superior cuts.

Overheating Protection with CoolMag

Advanced Electronic Safety Shutoff Sensor

Keyless, quick-change system for annular cutters.



Twist Drilling

Tapping

Reaming

Countersinking

Special-Purpose

Integrated cable routing: MAB Series

Our MAB magnetic drills have been developed for increased safety & durability. This includes complete cable routing within the casing.

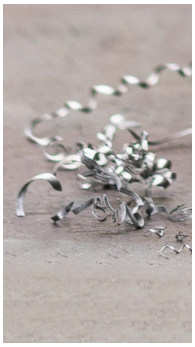
- No threading and getting caught
- No tearing or snapping off

ANNULAR CUTTERS *Pilot pin included up to 4" depth*

6-SERIES
UNIBROACH
High Speed Steel (HSS)

7-SERIES
UNIBROACH
Cobalt HSS

8-SERIES
UNIBROACH ARMOR PLATED
TiAlN Coated



9-SERIES
UNIBROACH HORNET
Tungsten Carbide Tipped (TCT)

Benefits of CS Unitec Annular Cutters:

- Up to 3x faster than twist drills
- Double-action geometry cuts, splits & ejects chips efficiently with smooth, easy slug ejection
- Accurate Holes
- Up to 6" Dia & 10" Depth - custom sizes available upon request