

# Magnetic Drill Comparison Chart



	MABasic 200	MABasic 400	MABasic 450	MABasic 850	MAB 100 K	MAB 155 PRO	AutoMAB 350	AutoMAB 450	PipeMAB 200	PipeMAB 525	PipeMAB 825	eMAB 450	MAB 455 MAB 455 SB	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	2 1345 0020	
<b>Annular Cutters Diameter (ø)</b>	up to ø 1-3/8"	up to ø 1-5/8"	up to ø 2"	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"	up to ø 3-15/16"	up to ø 1-9/16"	up to ø 2-1/16"	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"	<b>Annular Cutters Diameter (ø)</b>
<b>Twist Drills Diameter (ø)</b>	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 1/2"	up to ø 3/4"	up to ø 1/2"	up to ø 1"	up to ø 1-1/4"	up to ø 11/16"	up to ø 7/8"	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"	<b>Twist Drills Diameter (ø)</b>
<b>Tapping Diameter (ø)</b>										up to ø 15/16"	up to ø 1-3/16"			up to ø 15/16"	up to ø 15/16"	up to ø 1-3/16"	up to ø 1-3/16"	up to ø 1-5/8"			up to ø 1"	<b>Tapping Diameter (ø)</b>
<b>Countersinking Diameter (ø)</b>										up to ø 2"	up to ø 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"	<b>Countersinking Diameter (ø)</b>
<b>Reaming Diameter (ø)</b>											up to ø 1-1/4"			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"	<b>Reaming Diameter (ø)</b>
<b>Stroke</b>	6-1/3"	6-1/3"	6-1/3"	10"	2-3/4"	1-1/2"	6"	6"	6-1/3"	6-1/3"	10"	5-5/16"	6-1/3"	6-1/3"	6-1/3"	10"	10"	10" (12" w/out retainer)	up to 10-1/4"	up to 3-3/4"	12"	<b>Stroke</b>
<b>Weight</b>	27 lbs.	27 lbs.	29 lbs.	53 lbs.	21.8 lbs.	24 lbs.	33 lbs.	35-1/4 lbs.	27 lbs.	43 lbs.	55.1 lbs.	25.4 lbs. (w/o Battery)	29 lbs.	29 lbs.	35 lbs.	99 lbs.	55 lbs.	112 lbs.	43 lbs.	48-1/2 lbs.	50 lbs.	<b>Weight</b>
<b>Speed Range 1</b>	450 RPM	430 RPM	250 RPM	110 RPM	460 RPM	460 RPM	460 RPM	250 RPM	450 RPM	70-280 RPM	40-110 RPM	134 RPM	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	<b>Speed Range 1</b>
<b>Speed Range 2</b>		760 RPM	450 RPM	175 RPM				450 RPM		180-580 RPM	65-175 RPM	189 RPM	450 RPM	100-450 RPM	180-580 RPM	65-175 RPM	65-175 RPM	50-120 RPM				<b>Speed Range 2</b>
<b>Speed Range 3</b>				245 RPM							140-360 RPM	246 RPM				140-360 RPM	140-360 RPM	130-350 RPM				<b>Speed Range 3</b>
<b>Speed Range 4</b>				385 RPM							220-600 RPM	298 RPM				220-600 RPM	220-600 RPM	210-550 RPM				<b>Speed Range 4</b>
<b>Speed Range 5</b>												355 RPM										<b>Speed Range 5</b>
<b>Power Type</b>	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Battery	Electric	Electric	Electric	Electric	Electric	Electric	Pneumatic	Hydraulic	Hydraulic	<b>Power Type</b>
<b>REVERSIBLE</b>										✓	✓			✓	✓	✓	✓	✓			✓	<b>REVERSIBLE</b>
<b>CoolMag</b>									Patented Permanent Mag System	Patented Permanent Mag System	Patented Permanent Mag System	Patented Permanent Mag System	✓	✓	✓	✓	✓	✓				<b>CoolMag</b>
<b>SafeMag System</b>							✓	✓					✓	✓	✓	✓	✓	✓				<b>SafeMag System</b>
<b>Electronic Safety Shutoff Sensor</b>	✓	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓				<b>Electronic Safety Shutoff Sensor</b>
<b>Special Features</b>					Quick-change	Low Profile, LED Light	Automatic	Automatic	Patented Pipe Base	Patented Pipe Base	Patented Pipe Base	18 V / 10.4 Ah Battery	Quick-change	Quick-change	Quick-change	X,Y-MILLING	Automatic Quick-change	Automatic	Air & ATEX	Hydraulic	Hydraulic & ATEX	<b>Special Features</b>
<b>Morse Taper (MT)</b>			MT2	MT3				MT2		MT3	MT3		MT2	MT2	MT3	MT3	MT3	MT4			MT3	<b>Morse Taper (MT)</b>
<b>Safety Friction Clutch</b>																✓	✓	✓				<b>Safety Friction Clutch</b>
<b>Torque Control</b>										✓	✓				✓	✓	✓	✓				<b>Torque Control</b>
<b>Pipe Adapted or Adjustable Base</b>									✓	✓	✓		✓	✓	✓	✓	✓	✓				<b>Pipe Adapted or Adjustable Base</b>
<b>Magnet Size</b>	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	10.5" L x 7.5" W x 3.5" H	2-7/8" x 8-15/16"	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"	<b>Magnet Size</b>

\*Annular cutter drilling capacity 6" diameter up to 1" thick in carbon steel - Use TCT cutters for large diameters

Last revised: 04/12/2026

PORTABLE MAGNETIC DRILLS

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