



# Magnetic Drills

Our precision magnetic-based drills, made in Germany to endure the toughest Australian conditions, offer a vast range of options up to 130MM in diameter. Rest assured we have the right drill for every job.



# Magnetic Drills



## 87-89 Magnex Drills




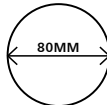
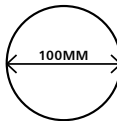
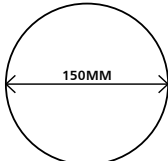




## 90-97 Electro-Magnet Drills



## 98-99 Magnetic Drill Accessories

# Comparison Table

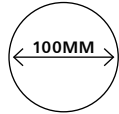
Electro-Magnet Drills				
Model	EMB35	V40 Compact	EM40	EM50
				
				
Capacity	Ø35MM	Ø40MM	Ø40MM	Ø50MM
Forward/Reverse	N	N	N	N
Speed	450RPM	450RPM	450RPM	250RPM 450RPM
Magnet Type	Electric	Electric	Electric	Electric

Electro-Magnet Drills				
Model	EM50 RLE	EM80 RLE	EM100 RLE	EM150
				
				
Capacity	Ø50MM	Ø80MM	Ø100MM	Ø150MM
Forward/Reverse	Y	Y	Y	N
Speed	50-110RPM 75-175RPM 105-245RPM 165-385RPM	50-150RPM 75-175RPM 105-245RPM 165-385RPM	50-150RPM 75-230RPM 100-310RPM 160-490RPM	30-80RPM 50-120 RPM 130-350 RPM 210-550 RPM
Magnet Type	Electric	Electric	Electric	Electric



# Comparison Table

Magnex Drills			
Model	Magnex40	Magnex50	Magnex100RLE



Capacity	Ø12.0-40MM	Ø12.0-50MM	Ø12.0-100MM
Forward/Reverse	N	N	Y
Speed	450RPM	1.Step 250RPM 2.Step 450RPM	1.Step 50-110RPM 2.Step 75-175RPM 3.Step 105-245RPM 4.Step 165-385RPM
Magnet Type	Permanent	Permanent	Permanent





## The New Magnex

The new, unique Magnex Drill provides improved safety by using a powerful magnet that does not need a power supply to work. It adheres to even the thinnest steel sheets or beams allowing:

- Safe working environment as it adheres without a power supply
- Increased efficiency by eliminating the need for secondary clamps, straps, chains, or additional counter magnets
- Wider range of steel with a thickness of 1.6MM or more

The Magnex comes in three sizes: Magnex Drill 40, Magnex Drill 50 (two-speed workhorse), and Magnex Drill 100 RLE, making it suitable for any job size. It offers faster, safer, and more reliable performance.



Play Video



# Magnex Drill 40

**Features:**

- Very light and compact
- Suits 19mm Weldon shanks
- Double dove-tailed height adjustable for using drill chucks
- Ergonomic design
- Solid Brass Guides



Quick-release chuck is recommended. Refer to page 98.

Specifications		
Up to 50 MM Up to Ø40MM	Up to Ø10-40MM	Up to Ø13MM

Core drill dimensions	Ø 12.0 - 40 MM
Cutting depth	50.0 MM
Twist drill	1.0 - 13.0 MM
Counter boring	10.0 - 40.0 MM
Arbors	19 MM Weldon shank
Stroke	105 MM
Height adjustment	80 MM
Gearbox - on-load speed	450 RPM
Power consumption	1,100 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion force	2,800 N/17,000 N
Tool force (6 MM S235)	2,300 N
Magnetic base	72 X 190 MM
Weight	9.9 KG



<b>Code</b>	18801
<b>Magnet</b>	
Permanent Magnet	•
Tin-Coating	•
<b>Scope Of Delivery</b>	
Metal core drilling machine Magnex40	•
Carrying Case	•
Safety Strap	•
Coolant Device	•
Operating Instructions	•

**2 Year Warranty**

**Made in Germany**

# Magnetic Drills | Magnex

## Magnex Drill 50

### Features:

- 2-Speed workhorse
- Very light and compact - only 11.5KG
- Stepless adjustment slides
- Self-adjusting guides
- Membrane keyboard
- Morse Taper 2 Spindle
- Ergonomic design



Quick-release chuck is recommended. Refer to page 98.

Specifications		
Up to 50 MM	Up to Ø10-40MM	Up to Ø20MM

Core drill dimensions	Ø 12.0 - 50.0 MM
Cutting depth	50.0 MM
Twist drill	1.0 - 20.0 MM
Counter boring	10.0 - 40.0 MM
Arbors	MT2
Stroke	100 MM
Height adjustment	47 MM
Gearbox - on-load speed	1. Step 250 RPM 2. Step 450 RPM
Power consumption	1,200 W
Voltage	230 V 50/60 Hz
Tool force (6 MM S235)	2,800 N
Magnetic base	72 X 190 MM
Weight	11.5 KG



Code	18850
Magnet	
Permanent Magnet	•
Tin-Coating	•
Scope Of Delivery	
Metal core drilling machine Magnex50 with AMK2	•
Carrying Case	•
Safety Strap	•
Coolant Device	•
Operating Instructions	•

**2 Year Warranty**

**Made in Germany**



# Magnex Drill 100 RL-E

**Features:**

- 4-step variable speed oil bath gearbox
- Very light and compact
- Forward-reversible drive - deal for tapping
- Morse Taper 3 Spindle
- Solid Brass Guides
- Self-Adjusting Guides

\*Note tool holder pictured is different from standard supply



Capacity	
	Up to 110 MM Up to Ø100MM
	Up to Ø10-55MM
	Up to Ø32MM
	Up to M30
Core drill dimensions	Ø 12.0 - 100.0MM
Cutting depth	110.0MM
Twist drill	Ø 1.0 - 16.0MM with drill chuck up to Ø 32.0MM with MT3 DIN 345
Counter boring	10 - 55.0MM
Tapping	With tapping chucks: up to M30 with tapping attachment: up to M30
Arbors	MT3
Stroke	190 MM
Height adjustment	60 MM
4-speed gear	1. Step 50 - 110 RPM 2. Step 75 - 175 RPM 3. Step 105 - 245 RPM 4. Step 165 - 385
Power consumption	1,800 W
Voltage	230 V 50/60 Hz
Magnetic holding force	22.000 N
Tool force (10 MM)	2.500 N
Magnetic base	94 X 255 MM
Weight	22.6 KG



Code	18628
<b>Magnet</b>	
Permanent Magnet	●
Tin-Coating	●
<b>Scope Of Delivery</b>	
Metal core drilling machine Magnex40	●
Carrying Case	●
Safety Strap	●
Coolant Device	●
Operating Instructions	●

**2** Year Warranty

Made in Germany



# Magnetic Drills | Electro-Magnet



## V40 Compact

### Features:

- Height only 227MM. Can be reduced to 185MM by removing the carry handle
- 2 Coil 16,000N Magnetic Adhesion
- 19MM Weldon Shank – takes standard 30MM depth cutters
- Dual Left or Right Hand Side Handle Mounting
- Integrated Coolant System with Coolant
- Bottle Capacity



 Excision HSS-Co Core Drills recommended. Refer to Page 81.

Specifications	
	
Core drill dimensions	Ø 12.0 - 40.0 MM
Cutting depth	30.0 MM
Counter boring	Ø 10.0 - 32.0 MM
Arbors	19 MM Weldon shank
Stroke	45 MM
1-speed gearbox	450 RPM
Power consumption	900 W
Voltage	230 V 50/60 Hz
Magnetic holding force	22.000 N
Tool force (10 MM)/magnetic adhesion strength	2,100 N /16,000 N
Magnetic base	95 X 200 MM
Weight	95 X 200 MM

Code	18712
Scope Of Delivery	
Metal core drilling machine V40 Compact	•
Carrying Case	•
Safety Strap	•
Operating Instructions	•

 **2 Year Warranty**

 **Made in Germany**



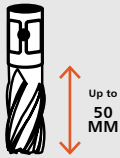
## EMB35

### Features:

- Light weight, simple operation
- Spring loaded guide for rigid gliding and no vibration
- Direct Weldon arbor type spindle
- Durable switches
- 2 Coil 9,000N Magnetic Adhesion
- Solid brass guides



### Specifications



Up to  
Ø35MM



Up to  
Ø10-40MM

Core drill dimensions	Ø 12.0 - 35.0 MM
Cutting depth	50.0 MM
Twist drill	1.0 – 13.0 MM
Arbors	19 MM Weldon shank
Stroke	120 MM
Gearbox - on-load speed	450 RPM
Power consumption	1,100 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion strength	2,100 N/9,000 N
Magnetic base	70 X 185 MM
Weight	10.6 KG



Code	18400
Scope Of Delivery	
Metal core drill EMB35	•
Carrying Case	•
Safety Strap	•
Coolant Device	•
Operating Instructions	•

**2** Year  
Warranty

Made in  
Germany

# Magnetic Drills | Electro-Magnet

## EM40

### Features:

- 2 Coil 9,000N Magnetic Adhesion
- Spring loaded guide for rigid gliding and no vibration
- Height adjustable slide – enables use of standard twist drills
- Integrated coolant system with coolant unit
- Smart Start feature
- Durable Touch Pad
- Solid brass guides



Specifications		
<p>Up to 50 MM</p> <p>Up to Ø40MM</p>	<p>Up to Ø10-40MM</p>	<p>Up to Ø13MM</p>

Core drill dimensions	Ø 12.0 - 40 MM
Cutting depth	50.0 MM
Twist drill	1.0 - 13.0 MM
Counter boring	10.0 - 40.0 MM
Arbors	19MM Weldon shank
Stroke	129 MM
Height adjustment	86 MM
Gearbox - on-load speed	450 RPM
Power consumption	1,100 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion strength	2,100 N/9,000 N
Magnetic base	70 X 185 MM
Weight	11.5 KG



Code	18500
Scope Of Delivery	
Metal core drill EM40	•
Carrying Case	•
Safety Strap	•
Coolant Device	•
Operating Instructions	•



## EM50

### Features:

- 2-Speed oil bath gearbox
- Spring loaded guide for rigid gliding & removes vibration
- Height adjustable slide – enables use of standard twist drills
- 2 Coil 12,000N Magnetic Adhesion
- Integrated coolant system with coolant unit
- Direct Weldon arbor type spindle ensures concentricity and versatility
- Solid brass guides



Specifications			
Up to 50 MM	Up to Ø10-40MM	Up to Ø16MM	Up to M3-M20

Core drill dimensions	Ø 12.0 - 50.0 MM
Cutting depth	50.0 MM
Twist drill	1.0 - 16.0 MM with chuck
Counter boring	10.0 - 40.0 MM
Tapping	With tapping attachment M3 - M20
Arbors	19MM Weldon shank
Stroke	190 MM
Height adjustment	100 MM
2-speed gearbox Load speed	1. Step 250 RPM 2. Step 450 RPM
Power consumption	1,200 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion strength	3,500 N/12,000N
Magnetic base	92 X 220 MM
Weight	15.0 KG



Keyed drill chuck is recommended. Refer to page 98.

Code 18510

### Scope Of Delivery

Metal core drill EM50	•
Carrying Case	•
Safety Strap	•
Operating Instructions	•

2 Year Warranty

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# Magnetic Drills | Electro-Magnet

## EM50 RL-E

### Features:

- 2-Step Variable Speed Oil Bath Gearbox
- Forward-reversible drive - ideal for tapping
- 3 Coil 16000N Magnetic Adhesion
- Morse Taper 2 spindle
- Variable Speed
- Solid Brass Guides

\*Note tool holder pictured is different from standard supply

Specifications	
	Up to 50 MM Up to Ø50MM
	Up to Ø10-40MM
	Up to Ø20MM
	M3-M20
Core drill dimensions	Ø 12.0 - 50.0 MM
Cutting depth	50.0 MM
Twist drill	With quick-release chuck MT2 up to Ø 20.0 MM with MT 2 DIN 345 direct
Counter boring	10.0 - 40.0 MM
Tapping	With tapping chucks: M3 - M14 With tapping attachment M3 - M20
Arbors	MT2
Stroke	170 MM
Height adjustment	100 MM
2-speed gearbox	Right / left 1. Step 100 - 250 RPM 2. Step 180 - 450 RPM
Power consumption	1,200 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion strength	3,800 N/16,000 N
Magnetic base	92 X 238 MM
Weight	16.0 KG



Code 18612

Scope Of Delivery	
Metal core drill EM50 RL-E	•
Carrying Case	•
Safety Strap	•
Operating Instructions	•

**2** Year  
Warranty

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## EM80 RL-E

### Features:

- 3 Coil 20,000N Magnetic Adhesion
- Tapping capacity up to M30
- 4-Step Variable Speed Oil Bath Gearbox
- Forward-reversible drive - ideal for tapping
- Morse Taper 3 spindle
- Solid Brass Guides



Capacity	
	Up to 110 MM Up to Ø80MM
	Up to Ø10-55MM
	Up to Ø32MM
	Up to M30
Core drill dimensions	Ø80.0 MM / 110.0 MM
Cutting depth	80.0 MM / 110.0 MM
Twist drill	1.0 - 16.0 MM with drill chuck Up to Ø 32.0 MM with MT3 DIN
Counter boring	10 - 55.0 MM
Tapping	With tapping chucks: Up to M30. With tapping attachment: Up to M30
Arbors	MT3
Stroke	190 MM
Height adjustment	60 MM
2-speed gearbox	1.Step 50 - 110 RPM 2.Step 75 - 175 RPM 3.Step 105 - 245 RPM 4.Step 165 - 385 RPM
Power consumption	1,800 W
Voltage	230 V 50/60 Hz
Magnetic adhesion strength	4,200 N/20,000 N
Magnetic base	92 X 238 MM, 30° adjustable right & left, 10MM front/back
Weight	22.0 KG



Quick-release arbor is recommended. Refer to page 98.

Code	18629
Scope Of Delivery	
Metal core drill EM80 RL-E	•
Carrying Case	•
Safety Strap	•
Operating Instructions	•
Coolant device	•

2 Year Warranty





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# Magnetic Drills | Electro-Magnet


## EM100 RL-E

### Features:

- 3 Coil 20,000N Magnetic Adhesion
- 4-Step Variable Speed Oil Bath Gearbox
- Solid Brass Guides
- Durable Touch Pad
- Morse Taper 3
- Forward-reversible drive - ideal for tapping

Capacity	
	Up to 110 MM Up to Ø100MM
	Up to Ø10-55MM
	Up to Ø32MM
	Up to M30
Core drill dimensions	Ø12.0 - 100.0 MM
Cutting depth	110.0 MM
Twist drill	Ø 1.0 - 16.0 MM with drill chuck Up to Ø 32.0 MM with MT3 DIN 345
Counter boring	10.0 - 55.0 MM
Tapping	With tapping chucks: Up to M30 with tapping attachment: Up to M30
Arbors	MT3
Stroke	245 MM
Height adjustment	116 MM
4-speed gearbox	1. Step 50 - 150 RPM 2. Step 75 - 230 RPM 3. Step 100 - 310 RPM 4. Step 160 - 490 RPM
Power consumption	2,500 W (230 V)
Voltage	230 V 50/60 Hz
Magnetic adhesion strength	4,000 N/20,000 N
Magnetic base	92 X 238 MM, 30° adjustable right & left, 10 MM front/back
Weight	28.0 KG



 AMK 3 Tool Holder is recommended. Refer to page 98.

Code	18634
Scope Of Delivery	
Metal core drill EM100 RL-E	•
Transportation packing	•
Safety Strap	•
Operating Instructions	•
Coolant device	•

 **2 Year Warranty**

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# Magnetic Drills | Electro-Magnet



## EM150

### Features:

- 6 Coil 32,000N Magnet
- 4-Step Variable Speed Oil Bath Gearbox
- Slow speed range for large diameter cutting
- Tapping capacity up to M42
- Twist drill capacity up to 45MM
- Solid brass guides
- Morse Taper 4 Spindle



Capacity			

Core drill dimensions	Ø12.0 - 150.0 MM/ Ø20.0 - 50.0 MM (extra long 110 MM)
Cutting depth	50.0 MM / 110.0 MM
Twist drill	Up to Ø 45.0 MM With MT4 DIN 345 direct
Counter boring	10.0 - 80.0 MM
Tapping	With tapping attachment Up to M42
Arbors	MT4
Stroke	230 MM
Height adjustment	100 MM
4-speed gearbox	1.Step 30 - 80 RPM 2.Step 50 - 120 RPM 3.Step 130 - 350 RPM 4.Step 210 - 550 RPM
Power consumption	2,500 W
Voltage	230 V 50/60 Hz
Tool Force (10 MM) / Magnetic adhesion strength	5,000 N/33,000 N
Magnetic base	90 X 400 MM
Weight	34.5 KG



Use Excision TCT cutters for best results. Refer to page 105.

Code	18645
Scope Of Delivery	
Metal core drill EM150	•
Transportation packing	•
Safety Strap	•
Operating Instructions	•
Coolant device	•


**2 Year Warranty**

**Made in Germany**



# Magnetic Drills | Accessories



Description	Code	Magnex40 EMB35 EM40 EM50	Magnex50 EM50 RL-E	Magnex80 EM80 RL-E EM100 RL-E	Part Image
Quick-release tool holder • Morse taper 2 • With automatic internal cooling • Suitable for all machines with drill spindle MT 2 • Application: range to 40 MM core drill Ø	18650		•		
Quick-release tool holder • Morse taper 3 • With automatic internal cooling • Suitable for all machines with drill spindle MT 3 • Application: range to 40 MM core drill Ø	18651			•	
Keyed Drill Chuck with Weldon arbor for twist drills • Ø 1 - 13 MM	18106	•			
Quick-release chuck with Weldon arbor for twist drills • Ø 1 - 13 MM	18107	•			
Keyed Drill Chuck with Morse taper 3 for twist drills • Ø 1 - 16 MM	18011			•	
Quick-release chuck with Morse taper 2 for twist drills • Ø 1 - 16 MM	18008		•		
Quick-release chuck with Morse taper 3 for twist drills • Ø 1 - 16 MM	18009			•	
Tool holder AMT-2 without internal cooling	21003		•		
Tool holder AMT-3 without internal cooling	21025			•	
Adapter sleeve MT 3/2	18023			•	
Tool holder AMK-2 Morse taper 3 for core drills • Ø 12 - 100 MM • With automatic internal cooling • Suitable for all machines with drill spindle MT 2	18003		•		
Tool holder AMK-3 Morse taper 3 for core drills • Ø 12 - 100 MM • With automatic internal cooling • Suitable for all machines with drill spindle MT 3	18025			•	



## Adapters

Description	Code	Part Image
<p>Chuck Adaptor</p> <ul style="list-style-type: none"> <li>Suits standard UNF 1/2 chucks</li> <li>Universal weldon shank</li> </ul>	21105	
<p>Extension Adaptor</p> <p>With Weldon shank and ejector pin.</p> <p>For use on core drills 25 - 30 – 35 – 50 MM cutting depth in cases when the surface of the material to be drilled is deeper than the stand space of the machine. The first ejector pin triggers the second ejector pin; the coolant flows through the borehole to the core drill.</p> <p>Total adaptor length: 80 MM</p>	20206	

## Tapping Chuck

Description	Code	Shaft	EM 50	EM 80	Part Image
<p>TAPPING ATTACHMENT M3-M12</p> <p>Scope of delivery: with Weldon Shank and MT2, interchangeable, Plastic case, manual</p>	18652	MT2 + Weldon Shank	•	• With adapter sleeve MT 3/2	
<p>TAPPING ATTACHMENT M10-M20</p> <p>Scope of delivery: with Weldon Shank and MT2, interchangeable, Plastic case, manual</p>	18653	MT2 + Weldon Shank	•	• With adapter sleeve MT 3/2	

## Other Accessories

Description	Features:	Code	Part Image
VACUBEST VACUUM	<ul style="list-style-type: none"> <li>For non-magnetic surfaces</li> <li>400 X 200MM vacuum plate</li> <li>Complete with vacuum pump</li> </ul>	18150	NB: Drill not included
COOLANT UNIT	<ul style="list-style-type: none"> <li>Includes tank, tap &amp; hose</li> </ul>	18104	
TRANSPORT CASE	<ul style="list-style-type: none"> <li>To suit EM40 and EM50</li> </ul>	18532	
TRANSPORT CASE	<ul style="list-style-type: none"> <li>To suit EM80, RLE 50, RLE 80</li> </ul>	18566	
PIPE CLAMPING ATTACHMENT	<ul style="list-style-type: none"> <li>For pipes ø80-300MM</li> <li>Single chain</li> </ul>	18020	