

MAGNETIC BASED DRILLS



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Excision[®]

Dependable Precision



Excision – a supplier of premium quality industrial equipment across Australia and beyond.

“Dependable Precision is at the heart and the foundation of everything we do.”

We are a manufacturer and wholesaler of industrial products and consumables such as magnetic based drills, bandsaw blades, coldsaw blades, coolants and more.

Whether you are looking to buy anything from hacksaw blades to air filtration you can rely on Excision to supply you with the best equipment at an economical price.

With Excision being in the industry for over 20 years, we have proved that high quality products give high performance. Quality machinery and consumables translate into more cost effective operations. When you deal with us, you will receive the expert technical support and industrial knowledge to maximise your output.

Our goal is to always provide you with quality, range and value for money – and our standards are high. We offer extensive warranties with a full back-up service, expert advice, training and sales support. Excision is a fully Australian-owned and operated company.

This is Excision's special catalogue listing our range of leading magnetic based drills and accessories, such as the innovative and new Magnex Drills featuring leading-edge Magnex technology exclusive to Excision.

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SPECIAL FEATURES



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 – magnet adheres without power supply
- ⚡ Increased efficiency not having to use secondary clamps, straps, chains or additional counter magnets – less time is spent getting the job done
- ⚡ Wider range of application from 1.6mm+ steel – whatever steel you're facing the Magnex will adhere to it

It comes in 2 sizes, the Magnex Drill 40 and Magnex Drill 50 (two speed workhorse), so no job is too big or too small. Getting it done faster, safer and more reliably.

PRECISION MAGNETIC DRILLING



MAGNEX DRILL 40

**QUICK
RELEASE
CHUCK**

- ◆ Very light and compact
- ◆ Smooth start motor with overload protection and emergency stop
- ◆ Stepless adjustment slides
- ◆ Self-adjusting guides
- ◆ Soft touch grips
- ◆ Membrane keyboard
- ◆ Quick-change chuck

Stroke	105mm
Height adjustment	80mm
Speed (RPM)	450 rpm
Power	1100 watt
Weight	9.9kg
Part No.	18801

CAPACITY OF DRILL	
Diameter	40mm
Depth	50mm



MAGNEX DRILL 50

**LIGHTEST
50MM MACHINE
IN THE WORLD**

- ◆ Morse Taper 2 shank
- ◆ MK2 arbor
- ◆ Smooth start motor with overload protection and emergency stop
- ◆ Stepless adjustment slides
- ◆ Self-adjusting guides
- ◆ Soft touch grips
- ◆ Membrane keyboard
- ◆ Lightest 50mm machine in the world

Stroke	100mm
Height adjustment	47mm
Speed (RPM)	250 & 450 rpm
Power	1200 watt
Weight	11.5kg
Part No.	18850

CAPACITY OF DRILL	
Diameter	50mm
Depth	50mm





SPECIAL FEATURES

All units come equipped with a Coolant Unit

Spring loaded guide for rigid gliding and removes vibration

NEW Sturdy Transport Case



Quick Release Chuck – Easy as 1,2,3

Changing cutters has never been easier.



Cutter held in chuck



Twist clock wise to release



Cutter released



EM 40

- ◆ 90,000N Magnetic Adhesion
- ◆ Spring loaded guide for rigid gliding and removes vibration
- ◆ Height adjustable slide – enables use of standard twist drills
- ◆ Quick release chuck
- ◆ Smart Start feature
- ◆ Integrated coolant system with coolant unit
- ◆ Durable Touch Pad



Stroke	130mm
Height adjustment	86mm
Speed (RPM)	450 rpm
Power	1100 watt
Weight	10.6kg
Part No.	18500

CAPACITY OF DRILL	
Diameter	40mm
Depth	50mm





EMB 35

- ✦ Spring loaded guide for rigid gliding and removes vibration
- ✦ Direct Weldon arbor type spindle
- ✦ Durable switches
- ✦ 2 Coil 9,000N Magnetic Adhesion



Stroke	120mm
Speed (RPM)	450 rpm
Power	1100 watt
Weight	10.6kg
Part No.	18400

CAPACITY OF DRILL	
Diameter	35mm
Depth	50mm



EM 32 COMPACT

- ✦ 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
- ✦ Complete with 18mm Cutter and Pin



Stroke	45mm
Speed (RPM)	450 rpm
Power	900 watt
Weight	12.5kg
Part No.	18710

CAPACITY OF DRILL	
Diameter	32mm
Depth	25mm



PRECISION MAGNETIC DRILLING



EM 50



- ⚡ Spring loaded guide for rigid gliding and removes vibration
- ⚡ Height adjustable slide – enables use of standard twist drills
- ⚡ 3 Coil 12,000N Magnetic Adhesion
- ⚡ Integrated coolant system with coolant unit
- ⚡ Direct Weldon arbor type spindle – ensures concentricity and versatility
- ⚡ Durable Touch Pad

Stroke	145mm
Height adjustment	117mm
Speed (RPM)	250 & 450 rpm
Power	1200 watt
Weight	15kg
Part No.	18510

CAPACITY OF DRILL	
Diameter	50mm
Depth	50mm



EM 80

- ⚡ 3 Coil 20,000N Magnetic Adhesion
- ⚡ 3 Coil Power Increase Magnet
- ⚡ Solid Brass Guides
- ⚡ Adjustable Magnetic Foot 30° to left + right
- ⚡ Durable Touch Pad
- ⚡ Morse Taper 3
- ⚡ Height adjustable slide up to 280mm
- ⚡ Twist Drilling Capacity 3mm

Stroke	200mm
Height adjustment	226-280mm
Speed (RPM)	110, 175, 245, 385 rpm
Power	1800 watt
Weight	22kg
Part No.	18625

CAPACITY OF DRILL	
Diameter	80mm
Depth	110mm





EM 100

- ✦ Solid Brass Guides
- ✦ 3 Coil Power Increase Magnet
- ✦ Morse Taper 3
- ✦ 3 Coil 20,000N Magnetic Adhesion
- ✦ Durable Touch Pad
- ✦ 35mm Twist Drill Capacity
- ✦ Adjustable Magnetic Foot 30° to Left + Right, 10mm back & front
- ✦ 30mm Tapping Capacity

Stroke	245mm
Height adjustment	295-400mm
Speed (RPM)	110, 175, 245, 385 rpm
Power	2500 watt
Weight	28kg
Part No.	18635

CAPACITY OF DRILL	
Diameter	100mm
Depth	110mm



EM 130

- ✦ 6 Coil MPI 32,000N Magnet
- ✦ Tapping capacity up to M42
- ✦ Twist drill capacity up to 45mm
- ✦ Durable Touch Pad
- ✦ Solid brass guides



Stroke	230mm
Height adjustment	110mm
Speed (RPM)	4 Speed variable drive 30-80 rpm 50-120 rpm 130-350 rpm 210-550 rpm
Power	2500 watt
Weight	34.5kg
Part No.	18645

CAPACITY OF DRILL	
Diameter	130mm
Depth	110mm





EM 50 RLE

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



Stroke	170mm
Height adjustment	108mm
Speed (RPM)	2 Speed variable drive 100-250 rpm 180-450 rpm
Power	1200 watt
Weight	22kg
Part No.	18611

CAPACITY OF DRILL	
Diameter	50mm
Depth	50mm



EM 80 RLE

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



Stroke	200mm
Height adjustment	63mm
Speed (RPM)	4 Speed variable drive 50-110 rpm 75-175 rpm 105-245 rpm 165-385 rpm
Power	1800 watt
Weight	22kg
Part No.	18626

CAPACITY OF DRILL	
Diameter	80mm
Depth	80mm



PRECISION MAGNETIC DRILLING – ACCESSORIES



Keyless Drill Chuck
Part No. 18107

- ✦ 1-13mm
- ✦ Adaptor included
- ✦ Multifit



Chuck Adaptor Only
Part No. 21105

- ✦ 1/2" 20 UNF Thread
- ✦ Suits Weldon shank
- ✦ Multifit



MT Drill Chuck
Part No. 18008 & 18009

- ✦ 1-16mm with Morse Taper



Vacubest Vacuum Attachment
Part No. 18150

- ✦ For non-magnetic surfaces
 - ✦ 400 x 200mm vacuum plate
 - ✦ Complete with vacuum pump
- NB: Drill not included



Coolant Unit
Part No. 18104

- ✦ Includes tank, tap & hose



Transport Case
Part No. 18532

- ✦ To suit EM40 and EM50



Transport Case
Part No. 18566

- ✦ To suit EM80, RLE 50, RLE 80



Pipe Clamping Attachment
Part No. 18109

- ✦ For pipes ø80-300mm
- ✦ Single chain



Pipe Clamping Attachment
Part No. 18020

- ✦ For pipes ø80-900mm
- ✦ Dual chain



Pipe Clamping Attachment
Part No. 18022

- ✦ For pipes ø80-2000mm
- ✦ Single ratchet strap



Reversible Tapping Chuck
Part No. 18652

- ✦ Adaptors to suit RotaQuick & MT2/3

Part No.	Size
18652	M3 – M12
18653	M10 – M20



Safety Strap
Part No. 14950



Magnetic Swarf Remover
Part No. 18654

- ✦ Ideal for swarf clean up
- ✦ Ideal for picking up fasteners



PRECISION MAGNETIC DRILLING – ACCESSORIES



AMK2 No. 2 MT
Part No. 18107

- ✦ Max. Depth 50mm
- ✦ With internal cooling



AMK3 No. 3 MT
Part No. 18025

- ✦ Max. Depth 50mm
- ✦ With internal cooling



AMT2 No. 2 MT
Part No. 21003

- ✦ Max. Depth 25mm
- ✦ No internal cooling



AS13 13mm Drill Adaptor
Part No. 21106

- ✦ Max. Depth 50mm
- ✦ Accepts Weldon core drills



AL 3 - No. 3 MT
Part No. 20230

- ✦ Max. Depth 50mm
- ✦ Complete with pin
- ✦ Suits AL type core drills

CUTTER ADAPTORS



Weldon to Rotaquick
Part No. 20205

- ✦ For use with Weldon core drills
- ✦ Includes longer pin – \varnothing 6.35mm



Weldon to Fein Quick-in
Part No. 20204

- ✦ For use with Weldon core drills



AMK2L No. 2/3 MT
Part No. 18003L

- ✦ Max. Depth 110mm
- ✦ With internal cooling



AMT3 No. 3 MT
Part No. 21025

- ✦ Max. Depth 25mm
- ✦ No Internal Cooling



AE80 – \varnothing 32 x 80mm long
Part No. 20206

- ✦ 80mm Extension arbor
- ✦ Weldon Shank and Pin
- ✦ Suits \varnothing 32mm and over



AL 4 - No. 4 MT
Part No. 20240

- ✦ Max. Depth 50mm
- ✦ Complete with pin
- ✦ Suits AL type core drills



ALW Weldon Adaptor
Part No. 21108

- ✦ Suits AL type core drills up to \varnothing 60mm
- ✦ Suitable for Weldon shank machines



M18x6p1.5 Fein to Weldon
Part No. 20202

- ✦ Fein to Weldon adaptor



Weldon to M18x6p1.5 Fein
Part No. 20201

- ✦ Weldon to Fein adaptor

CORE DRILLS

DRILLS
EASIER FOR
LONGER

HSS – 5% Cobalt – 30mm Depth

Cutter DIA	12-50mm
Suitable PIN	RA359-B
Part No.	1926500

- ✦ 1 pin fits every diameter – 12mm to 50mm
- ✦ High Speed Steel with 5% Cobalt
 - Longer Lasting
 - Will drill harder materials
- ✦ Multi Fit – Fits all makes of magnetic based drill including all quick change systems

Stack Cutters

HSS-Co cutters suitable for drilling multiple layers are available on request for an additional cost.

HSS – 5% Cobalt – 50mm Depth

Cutter DIA	12-60mm
Suitable PIN	RA360
Part No.	1950500

- ✦ 1 pin fits every diameter – 12mm to 60mm
- ✦ High Speed Steel with 5% Cobalt
 - Longer Lasting
 - Will drill harder materials
- ✦ Multi Fit – Fits all types of magnetic based drill including all quick change systems

HSS – 5% Cobalt – 100mm* Depth

Cutter DIA	24-50mm
Suitable PIN	RA367
Part No.	2001502

*To be used with tool holder AMK2L #18003L when drilling material over 50mm depth.



30mm depth



50mm depth



CORE DRILL SETS

HSS – 5% Cobalt

7 Pce Set – Cutting Depth 30mm & 50mm

- ✦ 6 cutters & 1 pin to suit
- ✦ 1 x 13, 1 x 14, 1 x 16, 1 x 18, 1 x 22, 1 x 26mm, and 1 pin
- ✦ Presented in a heavy duty plastic case

12 Pce Set – Cutting Depth 30mm & 50mm

- ✦ 10 cutters & 2 pins to suit
- ✦ 1 x 13, 2 x 14, 1 x 16, 2 x 18, 1 x 20, 2 x 22, 1 x 26mm, and 2 pins
- ✦ Presented in a heavy duty plastic case
- ✦ For optimum performance use METALIUM coolant or lubricant stick.

30 Pce Set – Cutting Depth 30mm & 50mm

- ✦ 24 cutters & 6 pins to suit
- ✦ 25mm Cutting depth:
 - 1 x 12, 1 x 13, 1 x 14, 1 x 16, 1 x 18, 1 x 20, 1 x 22, 1 x 26, 1 x 28, 1 x 30, 1 x 32, 1 x 36mm and 3 pins
- ✦ 50mm Cutting depth:
 - 1 x 12, 1 x 13, 1 x 14, 1 x 16, 1 x 18, 1 x 20, 1 x 22, 1 x 26, 1 x 28, 1 x 30, 1 x 32, 1 x 36mm and 3 pins
- ✦ Presented in a heavy duty plastic carry case.



Piece Set	7 piece	7 piece	12 piece	12 piece	30 piece	30 piece
Cutter Depth	30mm	50mm	30mm	50mm	30mm	50mm
Part No.	1904006025	1904006050	1904005025	1904005050	1904004075	

COUNTERSINKS

HSS – 5% Cobalt

Countersink with Multifit

Cutter DIA	25mm	40mm
Part No.	18533	18534

- ✦ Multi fit – suits all makes of magnetic based drills
- ✦ HSS with 5% Cobalt



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Freecall: 1800 633 448
Phone: +61 3 5551 4555
Fax: +61 3 5571 1944
Email: sales@excision.com.au

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