JEI SOLUTIONS

MAGNETIC DRILLING

Compare JEI drills, drive options and machine accessories.



RANGE CONTENTS

SECTION	PAGE
MiniBeast drills	02
MagBeast, Turbo & MidiBeast	05
AirBeast, RailBeast & MAGSLOT	09
Chucks, arbors, tapping & mounting options	11

Model links lead to JEI product information and technical downloads. Specify the exact supply, tooling and options when requesting a quote.

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MACHINE SELECTION

MiniBeast Drills

Choose by access, mounting surface, feed and supply. Check cutter-specific depth limits.

MiniBeast™



Order: DRILL-19041 (110V) / DRILL-19042 (220V)

Spindle · 19mm
Tapping cap. · N/A
Twist Drill cap. · 12mm with optional Turbo™ twist drills
Motor · 1010 watts
Weight · 10 kg
Speed · 1 Fixed Speed
Cutter cap. · 35mm Ø x 2" depth of cut

Product **Datasheet** **Manual** **Parts**

MiniBeast™ LP35+



Order: 110 V – DRILL-LP35P/1 / 240 V – DRILL-LP35P/2

Confirm core capacity for the cutter selected.
Max drilling Depth · 20mm with HSS Turbo™ Steel annular cutter. 32mm with Turbo™ Tough TCT annular cutter
Spindle · 19mm
Twist Drill cap. · 12mm Ø with optional Turbo™ Twist drills
Motor · 920 W
Weight · 9.5 kg

Product **Datasheet** **Parts**

MiniBeast™ Safe-base



Order: 110 V – DRILL-MBSB/1 ~ 240 V – DRILL-MBSB/2

Weight · 15 kg
Cutter cap. · 35mm Ø x 35mm Depth
Length / Width · 325 x 185mm
Max Stroke · 70mm
Minimum Workpiece Thickness · 10mm

Product **Datasheet**

MiniBeast™ Cordless



Order: 18v DC / DRILL-MBC

Spindle · 19mm
Tapping cap. · N/A
Twist Drill cap. · 12mm with optional Turbo™ Twist Drill
Motor · 450 W
Weight · 11.5 kg
Speed · 1 Fixed Speed
Cutter cap. · 36mm x 2” Depth of Cut

Product **Datasheet** **Manual** **Parts**

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MACHINE SELECTION / 02

MiniBeast Drills

Choose by access, mounting surface, feed and supply. Check cutter-specific depth limits.

MiniBeast™ Auto



Order: DRILL-19041A (110V) / DRILL-19042A (220V)

Spindle · 19mm
Tapping cap. · N/A
Twist Drill cap. · 12mm Ø with optional twist drills
Motor · 1010 W
Weight · 13kg
Speed · 1 Fixed Speed
Cutter cap. · 35mm Ø x 2" depth of cut

Product **Datasheet**

MiniBeast™ Curve



Order: MBCP

Weight · 15 kg
Cutter cap. · 35mm Ø x 35mm Depth
Length / Width · 300/245mm
Min. Pipe Diameter (Inside) · 500mm Ø
MIn. Pipe Diameter (Outside) · 300mm Ø
Max Stroke · 55mm
Min. Radius · R 500

Product **Datasheet**

MiniBeast™ Thin



Order: DRILL-MBTS/1 (110V) / DRILL-MBTS/2 (240V)

Spindle · 19mm
Tapping cap. · N/A
Twist Drill cap. · 12mm with optional twist drill
Motor · 1010 watts
Weight · 11.7 kg
Speed · 1 fixed gear
Cutter cap. · 35mm Ø x 2” Depth

Product **Datasheet** **Manual**

MiniBeast™ ULTRA



Order: 110 V - DRILL-MBU/1 / 240 V - DRILL-MBU/2

Spindle · 19mm
Twist Drill cap. · 12mm with optional Turbo™ twist drills
Motor · 1020 watts
Weight · 14 kg
Speed · 1 Fixed Speed
Cutter cap. · 36mm Ø x 2" depth of cut
Countersink cap. · 30mm

Product **Datasheet** **Manual**

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MACHINE SELECTION / 03

MiniBeast Drills

Choose by access, mounting surface, feed and supply. Check cutter-specific depth limits.

MiniBeast™ RT



Order: 110 V - DRILL-19041/RT / 240 V - DRILL-19042/RT

Spindle · 35mm Ø x 2" depth of cut
Motor · 1010 watts
Weight · 10 kg
Cutter cap. · 12mm with optional Turbo™ twist drills
Length / Width · 260mm/110mm (without guard or ratchet extension)

Product **Datasheet**

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MACHINE SELECTION

MagBeast, Turbo & MidiBeast

Compare cutter capacity, spindle and tapping range. Confirm voltage against the full order code.

Turbo™ 35+



Order: 110 V - DRILL-T35/1 / 240 V - DRILL-T35/2

Spindle · 19mm
Tapping cap. · N/A
Twist Drill cap. · 13mm (with chuck)
Motor · 1100 watts
Weight · 9.5kg
Speed · 1 Fixed Speed
Cutter cap. · 35mm Ø x 150mm depth of cut

Product **Datasheet** **Manual** **Parts**

MagBeast® HM40EX



Order: 110 V - DRILL-HM40EX/1 240 V - DRILL-HM40EX/2

Spindle · 19mm
Twist Drill cap. · 13mm Ø with optional attachment (part no - JEICA-13MM/19)
Motor · 1100 W
Weight · 11.5 kg / 12kg
Cutter cap. · 40mm Ø x 110mm depth of cut
Countersink cap. · 40mm

Product **Datasheet** **Manual** **Parts**

MagBeast® HM50



Order: 110 V - DRILL-HM50 / 240 V - DRILL-HM50/2

Spindle · MT2
Twist Drill cap. · 13mm with 2MT Chuck / 23mm with 2MT Twist Drill
Motor · 1150 W
Weight · 14 kg / 16.5kg
Cutter cap. · 50mm Ø x 4” depth of cut
Countersink cap. · 40mm

Product

MagBeast® HM50T



Order: 110 V – DRILL-HM50T ~ 240 V – DRILL-HM50T/2

Spindle · MT2
Tapping cap. · M20
Twist Drill cap. · 13mm with 2MT Chuck ~ 23mm with 2MT Twist Drill
Motor · 1150 W (110 V) 1250 W (240 V)
Weight · 14 kg / 16.5kg
Cutter cap. · 50mm Ø x 4” depth of cut

Product **Datasheet** **Manual**

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MACHINE SELECTION / 02

MagBeast, Turbo & MidiBeast

Compare cutter capacity, spindle and tapping range. Confirm voltage against the full order code.

MagBeast® HM100



Order: 110 V – DRILL-HM100 / 240 V – DRILL-HM100/2

Spindle · MT3
Twist Drill cap. · 19mm with 2MT Chuck / 32mm with 3MT Twist Drill
Motor · 1700 W
Weight · 24 kg / 27.5kg
Speed · 4 Fixed Speeds:
Cutter cap. · 100mm Ø x 6” depth of cut

Product **Datasheet** **Manual**

MagBeast® HM100T



Order: 110 V – DRILL-HM100T~240 V – DRILL-HM100T/2

Spindle · MT3
Tapping cap. · M30
Twist Drill cap. · 19mm with 3MT Chuck ~ 32mm with 3MT Twist Drill
Motor · 1800 W
Weight · 23.5 kg / 27kg
Speed · 2 Variable Speeds

Product

MagBeast® LP45



Order: 110 V – DRILL-LP45/1 ~ 240 V – DRILL-LP45/2

Spindle · 19mm
Twist Drill cap. · 12mm Ø with optional Turbo™ Twist drills
Motor · 1010 W
Weight · 11 kg
Speed · 1 Fixed Speed
Cutter cap. · 45mm Ø x 2” depth of cut
Countersink cap. · 30mm

Product

MagBeast® Ultra Low Profile



Order: 110 V – DRILL-ULP35/1 ~ 240 V – DRILL-ULP35/2

Spindle · 19mm
Motor · 1100 W
Weight · 9kg
Speed · 1 Fixed Speed
Cutter cap. · 35mm Ø x 35mm depth of cut
Countersink cap. · 30mm
Length / Width · 320 x 120mm

Product **Datasheet**

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MACHINE SELECTION / 03

MagBeast, Turbo & MidiBeast

Compare cutter capacity, spindle and tapping range. Confirm voltage against the full order code.

MidiBeast™



Order: 110 V - DRILL-MBD1 / 240 V - DRILL-MBD2

Twist Drill cap. · 12mm with optional Turbo™ twist drills
Motor · 1600 watts
Weight · 17 kg
Speed · 2 Fixed Speed (loaded 160/390 RPM)
Cutter cap. · 65mm Ø x 3" depth of cut
Length / Width · 350mm / 215mm (with spoke handles)

Product

Magbeast Premium PRO-52T



Order: PRO52T

Spindle · MT2
Tapping cap. · M20 (3/4")
Twist Drill cap. · 23mm
Motor · 1600 W
Weight · 17kg
Cutter cap. · 52mm Ø x 3" depth of cut
Countersink cap. · 40mm

Product **Datasheet** **Manual** **Parts**

Magbeast Premium PRO-72T



Order: 110-120 V, 50-60 Hz / DRILL-PRO72T/1 / 220-240 V, 50-60 Hz / DRILL-PRO72T/2

Spindle · MT3
Tapping cap. · M20 (3/4")
Twist Drill cap. · 25mm (1")
Motor · 1600 W
Weight · 18kg
Cutter cap. · 70mm (2-3/4")

Product **Datasheet** **Parts**

Magbeast Premium PRO-122T



Order: 1~ 220-240 V, 50-60 Hz1~ 110-120 V, 50-60 Hz

Spindle · MT3
Tapping cap. · M30 (1-1/4")
Twist Drill cap. · 31.75mm (1-1/4")
Weight · 25kg
Cutter cap. · 120mm (4.72")*
Max Stroke · 225mm (9")
Minimum Workpiece Thickness · 10mm (3/8")

Product **Datasheet** **Manual** **Parts**

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MACHINE SELECTION / 04

MagBeast, Turbo & MidiBeast

Compare cutter capacity, spindle and tapping range. Confirm voltage against the full order code.

Magbeast Premium PRO-152T



Order: 1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz

Spindle · MT4
Tapping cap. · M42 (1-5/8")
Twist Drill cap. · 47mm (1-7/8")
Motor · 2300 W
Weight · 31kg
Cutter cap. · 150mm (6")*
Max Stroke · 260mm (10")

Product Datasheet Manual Parts

MagBeast® HM140T



Order: 110 V - DRILL-HM140T/1 ~ 240v V DRILL-HM140T/2

Twist Drill cap. · 19mm with 4MT Chuck ~ 50mm with 4 MT Twist Drill
Motor · 2300 watts
Weight · 35kg
Speed · 4 Variable Speeds
Cutter cap. · 140mm Ø x 8" depth of cut
Countersink cap. · 80mm

Product Datasheet Manual

MagBeast® HM200T (MagBeast® 5)



Order: 110 V – DRILL-HM200T/1 ~ 240 V – DRILL-HM200T/2

Spindle · MT5
Tapping cap. · M52
Twist Drill cap. · 52mm Ø
Motor · 2850 W
Weight · 52kg
Speed · 4 Multi Speed
Cutter cap. · 200mm Ø

Product Datasheet Manual

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MACHINE SELECTION

AirBeast, RailBeast & MAGSLOT

Compare pneumatic drilling, rail drilling and magnetic slotting for specialist applications.

AirBeast® 40 A



Order: DRILL-AIR40A

Spindle · 19mm
Motor · 800 w
Weight · 15 kg
Cutter cap. · 40mm Ø x 1" depth of cut
Max Stroke · 40mm

Product **Datasheet** **Manual** **Parts**

AirBeast® 50A



Order: DRILL-AIR50A

Spindle · 2MT (19mm shank)
Twist Drill cap. · 23mm (13/16")
Weight · 24.5 kg
Speed · 2 Fixed Speeds
Cutter cap. · 50mm
Countersink cap. · 50mm
Maximum Drilling cap. With Annular Cutter · 50mm (2")

Product **Manual**

AirBeast® 200A



Order: DRILL-AIR200

Spindle · 5MT (1-1/4” shank)
Tapping cap. · M48
Twist Drill cap. · 45mm
Motor · 3650 W
Weight · 130 kg
Speed · 2 Fixed Speeds
Cutter cap. · 200mm Ø x 4” depth of cut

Product **Datasheet**

RailBeast Petrol RDP-36



Order: DRILL-RAILP

Max drilling Depth · 30mm (1-3/16")
Twist Drill cap. · 16mm (5/8")
Maximum Drilling cap. With Annular Cutter · 36mm (1-716")
Max Stroke · 39mm (1-9/16")
Power Consumption · 1500 W
Rotational Speed Without Load · 120-280 rpm
Rotational Speed With Load · 225 rpm

Product **Datasheet** **Parts**

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MACHINE SELECTION / 02

AirBeast, RailBeast & MAGSLOT

Compare pneumatic drilling, rail drilling and magnetic slotting for specialist applications.

RailBeast Cordless RDC-36



Order: 18 V Part No' DRILL-RDC-36

Max drilling Depth · 30mm
Twist Drill cap. · 16mm
Motor · 1000 W
Weight · 14.5 kg
Cutter cap. · 36mm Ø
Length / Width · 558 x 213mm
Power Supply · Battery

Product **Datasheet**

MAGSLOT™ 20X



Order: MAGSLOT-20X

Motor · 1100W
Weight · 20 Kg
Length / Width · 420mm x 70mm (including Spoke handles)
Endmill Cutter Range · M3 - M20
Minimum Workpiece Thickness · 10mm
Maximum Vertical Travel · 190mm
Maximum Core Cutter cap.* (Optional Extra) · 40mm Ø

Product **Datasheet**

MAGSLOT™ 20XY



Order: MAGSLOT-20XY

Motor · 1100W
Weight · 24 Kg
Length / Width · 420mm x 70mm (including Spoke handles)
Endmill Cutter Range · M3 - M20
Minimum Workpiece Thickness · 10mm
Maximum Vertical Travel · 190mm
Maximum Core Cutter cap.* (Optional Extra) · 20mm Ø

Product

RailBeast Electric RDE-36



Order: 110V Part No' DRILL-RDE-36/1, 240V Part No' DRILL-RDE-36/2

Max drilling Depth · 30mm
Motor · 1000 W
Weight · 14.5kg
Cutter cap. · 36mm Ø
Max Stroke · 40mm

Product

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MACHINE OPTIONS

Chucks, Adaptors & Arbors

Match the spindle or mounting arrangement to the drill. The linked product pages show available sizes and configurations.



19MM CHUCK ADAPTOR



3MT CHUCK AND ADAPTOR



2MT CHUCK AND ADAPTOR

OPTION	JEI REFERENCE	DETAILS
19MM CHUCK ADAPTOR	ST02	View options
3MT CHUCK AND ADAPTOR	JEICA-3MT	View options
2MT CHUCK AND ADAPTOR	JEICA-2MT	View options
13MM KEYLESS CHUCK WITH 19MM SHANK ADAPTOR	JEICA-13MM/19QR	View options
13MM CHUCK & KEY WITH 19MM SHANK ADAPTOR	JEICA-13MM/19	View options
Industrial Arbors Without External Coolant Ring	INDUSTRIAL ARBORS WITHOUT COOLANT RING	View options
Industrial Arbors with External Coolant Ring	INDUSTRIAL ARBORS WITH COOLANT RING	View options
Quick Release Morse Taper Cutter Arbor	QUICK RELEASE ARBORS	View options
Morse Taper Sleeves	REDUCTION SLEEVES	View options

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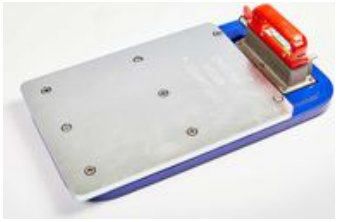
MACHINE OPTIONS

Tapping, Mounting & Fluids

Match the spindle or mounting arrangement to the drill. The linked product pages show available sizes and configurations.



Pipe Attachment Kits



Vac Pad



TAP HOLDERS (19MM SHANK)

OPTION	JEI REFERENCE	DETAILS
Turbo™ Steel Soluble Cutting Oil	SOLUBLE CUTTING OIL	View options
Turbo Steel Neat Cutting Oil	NEAT CUTTING OIL	View options
Turbo Tough Cutting Spray 500ml	JEIOIL-TTA	View options
Turbo Endurance Plus Cutting Paste 500ml	JEIOIL-TEP	View options
Pipe Attachment Kits	PIPE ATTACHMENT KITS	View options
Vac Pad	VAC PADS	View options
Turbo™ M-Tap	MAG TAPS	View options
Drill and Tap in One	DRILL AND TAP IN ONE	View options
TAP HOLDERS (19MM SHANK)	TAP HOLDERS	View options
Impact Socket Adaptor	IMPACT SOCKET ADAPTORS	View options

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MACHINE OPTIONS

Industrial Arbors

Select the Morse taper to match the machine spindle and the bore to match the cutter shank.



Standard Morse taper arbors



Arbors with external coolant ring

SPINDLE	CUTTER SHANK	STANDARD	WITH COOLANT RING
2MT	19mm	JEIARBOR-2MT	JEIARBOR-2MTC
3MT	19mm	JEIARBOR-3MT	JEIARBOR-3MTC
4MT	19mm	JEIARBOR-4MT	JEIARBOR-4MTC
3MT	31.75mm	JEIARBOR-3MT/32	JEIARBOR-3MT/32C
4MT	31.75mm	JEIARBOR-4MT/32	JEIARBOR-4MT/32C
5MT	31.75mm	JEIARBOR-5MT/32	JEIARBOR-5MT/32C

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MACHINE OPTIONS

Sleeves & Mounting Kits

Check the machine, workpiece and mounting system together. The listed pipe ranges are from JEI's kit sheet.



Morse taper reduction sleeves



Pipe attachment kit fitted to a mag drill



Vacuum pad

TYPE	FIT / CAPACITY	ORDER CODE
Reduction sleeve	2MT to 1MT	JEIMTS-2-1
Reduction sleeve	3MT to 1MT	JEIMTS-3-1
Reduction sleeve	3MT to 2MT	JEIMTS-3-2
Reduction sleeve	4MT to 2MT	JEIMTS-4-2
Reduction sleeve	5MT to 3MT	JEIMTS-5-3
Reduction sleeve	5MT to 4MT	JEIMTS-5-4
Pipe kit	MiniBeast / HM40 · 80–250mm	JEICB-S
Pipe kit	HM50 / HM50T · 80–250mm	JEICB-M
Pipe kit	MagBeast 4 · 150–500mm	JEICB-L
Pipe kit	HM100 / HM100T · 150–500mm	JEICB-XL
Vacuum pad	Large · 300 × 250mm · ¼″ BSP	JEIVPAD-L

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MACHINE OPTIONS

Tap Holders & Taps

JEI's listed 19mm shank holders and matching taps. Check the drill's tapping capability and the tap and drill sizes for the thread required.



19mm shank tap holders



Turbo M-Tap range

THREAD	TAP HOLDER	TAP
M8	JEITH-M8	JEITAP-M8
M10	JEITH-M10	JEITAP-M10
M12	JEITH-M12	JEITAP-M12
M14	JEITH-M14	JEITAP-M14
M16	JEITH-M16	JEITAP-M16
M18	JEITH-M18	JEITAP-M18
M20	JEITH-M20	JEITAP-M20
M24	JEITH-M22/24	JEITAP-M24
M27	JEITH-M27	JEITAP-M27
M30	JEITH-M30	JEITAP-M30

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Choosing the Right Setup

Drill in restricted space

Start with a low-profile MiniBeast where headroom rules out a conventional drill. Compare actual cutter reach and the space needed for insertion.

Match cutter and machine

Check diameter, depth, shank and spindle travel. If several hole sizes are needed, choose a setup that covers the largest cut.

Plan tapping separately

Choose a machine and holder specified for tapping. Check the speed range, reversing capability and tap size for the selected configuration.

Use the right mounting arrangement

Check whether the work is flat, curved or rail section. Confirm the approved base or mounting option before quoting.

Quote the model or part number from the ordering tables.

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