

# MAGNETIC DRILLING AND CUTTING TOOL SOLUTIONS

Spring/Summer 2026



[www.jeiuk.com](http://www.jeiuk.com)

**JEI**  
Solutions  
.....  
Built for Industry

# ABOUT US

JEI Drilling & Cutting Solutions is a British manufacturer of premium steelworking solutions, recognised for the MagBeast® magnetic drilling machines and Turbo™ annular cutters since 1993.

For over 30 years, JEI has specialised in the design and manufacture of innovative magnetic drilling machines and cutting solutions for industry. Our focus has always been on solving real-world challenges, from difficult materials and restricted environments to applications that demand something extraordinary.

By continually developing our product portfolio, we provide reliable solutions for virtually every hole-making and cutting requirement. Whether through proven, off-the-shelf equipment or the development of new ideas, our aim is simple: deliver the right process for the job.

The range is further strengthened by the SteelBeast line of steel fabrication solutions, which covers plate and pipe bevelling, punching, sawing, grinding, and weld preparation, supporting efficient steel preparation for downstream processes.

JEI products are supplied in over 30 countries worldwide, supported by a trusted network of distribution partners serving sectors including steel fabrication, construction, rail, offshore oil & gas, mining, shipbuilding, defence, power generation, and precision engineering.

Every customer benefits from the support of our experienced sales, technical, and service teams, committed to delivering expert advice and dependable support wherever your project takes you.

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# A GUIDE TO OUR ANNULAR CUTTERS

## WHEN ONLY THE BEST WILL DO.

	STRUCTURAL STEEL MILD STEEL ALUMINIUM	CAST IRON STAINLESS STEEL	RAIL TRACK	HARDOX WELDOX ARMOUR & ABRO PLATE
<p><b>turbo STEEL</b></p> <p>High quality, fully CNC ground HSS cutter that provides the very best, optimum performance.</p>				
<p><b>turbo TOUGH</b></p> <p>Features triple tooth cutting geometry for the highest performance standards</p>				
<p><b>turbo ENDURANCE</b></p> <p>Fully CNC ground M2-AL cutter with an innovative coating for extensive tool life.</p>				
<p><b>turbo ENDURANCE+</b></p> <p>Designed and engineered to tackle the world's toughest materials.</p>				
<p><b>turbo RAIL</b></p> <p>Manufactured specifically for delivering accuracy and efficiency for cutting rail track.</p>				
<p><b>turbo RAIL+</b></p> <p>For the most challenging rail track, featuring Endurance coating for unrivalled tool life.</p>				
<p>&lt; 900 RM ————— MAXIMUM TENSILE STRENGTH (N/MM<sup>2</sup>) ————— &gt; 1600 RM</p>				



# M2-AL HSS



**Cutter Type:**  
HSS M2-AL



**Cutting Depths:**  
25 mm / 50 mm



**Size Range:**  
10 mm - 65 mm Ø



**Max Tensile Strength:**  
<900RM (N/mm<sup>2</sup>)



**Perfect for:**  
Aluminium, most mild steel, & structural Steel



Order your Pilot Pin for JEICS10-65 JEIPILOT1



SIZE Ø	Part #
10 mm	JEICS10
11 mm	JEICS11
12 mm	JEICS12
13 mm	JEICS13
14 mm	JEICS14
15 mm	JEICS15
16 mm	JEICS16
17 mm	JEICS17
18 mm	JEICS18
19 mm	JEICS19
20 mm	JEICS20
21 mm	JEICS21
22 mm	JEICS22
23 mm	JEICS23
24 mm	JEICS24
25 mm	JEICS25
26 mm	JEICS26
27 mm	JEICS27
28 mm	JEICS28
29 mm	JEICS29
30 mm	JEICS30
31 mm	JEICS31
32 mm	JEICS32
33 mm	JEICS33
34 mm	JEICS34
35 mm	JEICS35
36 mm	JEICS36
37 mm	JEICS37
38 mm	JEICS38
39 mm	JEICS39
40 mm	JEICS40
41 mm	JEICS41
42 mm	JEICS42
43 mm	JEICS43
44 mm	JEICS44
45 mm	JEICS45
46 mm	JEICS46
47 mm	JEICS47
48 mm	JEICS48
49 mm	JEICS49
50 mm	JEICS50
51 mm	JEICS51
52 mm	JEICS52
53 mm	JEICS53
54 mm	JEICS54
55 mm	JEICS55
56 mm	JEICS56
57 mm	JEICS57
58 mm	JEICS58
59 mm	JEICS59
60 mm	JEICS60
61 mm	JEICS61
62 mm	JEICS62
63 mm	JEICS63
64 mm	JEICS64
65 mm	JEICS65



Order your Pilot Pin for JEICL10-65 JEIPILOT2



SIZE Ø	Part #
10 mm	JEICL10
11 mm	JEICL11
12 mm	JEICL12
13 mm	JEICL13
14 mm	JEICL14
15 mm	JEICL15
16 mm	JEICL16
17 mm	JEICL17
18 mm	JEICL18
19 mm	JEICL19
20 mm	JEICL20
21 mm	JEICL21
22 mm	JEICL22
23 mm	JEICL23
24 mm	JEICL24
25 mm	JEICL25
26 mm	JEICL26
27 mm	JEICL27
28 mm	JEICL28
29 mm	JEICL29
30 mm	JEICL30
31 mm	JEICL31
32 mm	JEICL32
33 mm	JEICL33
34 mm	JEICL34
35 mm	JEICL35
36 mm	JEICL36
37 mm	JEICL37
38 mm	JEICL38
39 mm	JEICL39
40 mm	JEICL40
41 mm	JEICL41
42 mm	JEICL42
43 mm	JEICL43
44 mm	JEICL44
45 mm	JEICL45
46 mm	JEICL46
47 mm	JEICL47
48 mm	JEICL48
49 mm	JEICL49
50 mm	JEICL50
51 mm	JEICL51
52 mm	JEICL52
53 mm	JEICL53
54 mm	JEICL54
55 mm	JEICL55
56 mm	JEICL56
57 mm	JEICL57
58 mm	JEICL58
59 mm	JEICL59
60 mm	JEICL60
61 mm	JEICL61
62 mm	JEICL62
63 mm	JEICL63
64 mm	JEICL64
65 mm	JEICL65

# turbo™ ENDURANCE

## M2-AL HSS COATED CUTTERS

HSS M2-AL COATED

turbo™ ENDURANCE



**Cutter Type**  
HSS M2-AL  
(Coated)



**Cutting Depths**  
25 mm / 50 mm



**Size Range**  
10 mm - 65 mm Ø



**Max Tensile Strength**  
<1000RM (N/mm²)



**Perfect for**  
Aluminium, most mild  
steel, & structural  
Steel



SIZE Ø	Part #
12 mm	JEIECS12
13 mm	JEIECS13
14 mm	JEIECS14
15 mm	JEIECS15
16 mm	JEIECS16
17 mm	JEIECS17
18 mm	JEIECS18
19 mm	JEIECS19
20 mm	JEIECS20
21 mm	JEIECS21
22 mm	JEIECS22
23 mm	JEIECS23
24 mm	JEIECS24
25 mm	JEIECS25
26 mm	JEIECS26
27 mm	JEIECS27
28 mm	JEIECS28
29 mm	JEIECS29
30 mm	JEIECS30
31 mm	JEIECS31
32 mm	JEIECS32
33 mm	JEIECS33
34 mm	JEIECS34
35 mm	JEIECS35
36 mm	JEIECS36
37 mm	JEIECS37
38 mm	JEIECS38
39 mm	JEIECS39
40 mm	JEIECS40
41 mm	JEIECS41
42 mm	JEIECS42
43 mm	JEIECS43
44 mm	JEIECS44
45 mm	JEIECS45
46 mm	JEIECS46
47 mm	JEIECS47
48 mm	JEIECS48
49 mm	JEIECS49
50 mm	JEIECS50
51 mm	JEIECS51
52 mm	JEIECS52
53 mm	JEIECS53
54 mm	JEIECS54
55 mm	JEIECS55
56 mm	JEIECS56
57 mm	JEIECS57
58 mm	JEIECS58
59 mm	JEIECS59
60 mm	JEIECS60
61 mm	JEIECS61
62 mm	JEIECS62
63 mm	JEIECS63
64 mm	JEIECS64
65 mm	JEIECS65



Order your  
Pilot Pin for  
JEIECS10-65  
JEIPILOT1

Order your  
Pilot Pin for  
JEIECL10-65  
JEIPILOT2



SIZE Ø	Part #
12 mm	JEIECL12
13 mm	JEIECL13
14 mm	JEIECL14
15 mm	JEIECL15
16 mm	JEIECL16
17 mm	JEIECL17
18 mm	JEIECL18
19 mm	JEIECL19
20 mm	JEIECL20
21 mm	JEIECL21
22 mm	JEIECL22
23 mm	JEIECL23
24 mm	JEIECL24
25 mm	JEIECL25
26 mm	JEIECL26
27 mm	JEIECL27
28 mm	JEIECL28
29 mm	JEIECL29
30 mm	JEIECL30
31 mm	JEIECL31
32 mm	JEIECL32
33 mm	JEIECL33
34 mm	JEIECL34
35 mm	JEIECL35
36 mm	JEIECL36
37 mm	JEIECL37
38 mm	JEIECL38
39 mm	JEIECL39
40 mm	JEIECL40
41 mm	JEIECL41
42 mm	JEIECL42
43 mm	JEIECL43
44 mm	JEIECL44
45 mm	JEIECL45
46 mm	JEIECL46
47 mm	JEIECL47
48 mm	JEIECL48
49 mm	JEIECL49
50 mm	JEIECL50
51 mm	JEIECL51
52 mm	JEIECL52
53 mm	JEIECL53
54 mm	JEIECL54
55 mm	JEIECL55
56 mm	JEIECL56
57 mm	JEIECL57
58 mm	JEIECL58
59 mm	JEIECL59
60 mm	JEIECL60
61 mm	JEIECL61
62 mm	JEIECL62
63 mm	JEIECL63
64 mm	JEIECL64
65 mm	JEIECL65



Steel Fabrication

# TUNGSTEN CARBIDE TIPPED CUTTERS



**Size Range:**  
12 mm - 200 mm Ø



**Cutting Depths:**  
40, 55, 80, 110, 150, & 200 mm



**Cutter Type:**  
TCT



**Max. Tensile Strength:**  
<1200RM (N/mm<sup>2</sup>)



**Perfect For:**  
Mild, structural, and stainless steel, and cast iron.



**For use with:**  
Magnetic drilling machines



### Triple Tooth Cutting Geometry

Manufactured with CNC precision, every tooth delivers a consistent, high-performance cutting edge. Each tooth works independently to reduce cutting resistance and power demand, while balanced load distribution minimises vibration for smooth, stable, and highly efficient cutting performance.



### Consistent, High-Quality Brazing of Tips

Providing each cutting edge with maximum support to prevent breakage.



### Premium Quality Cutting Tips

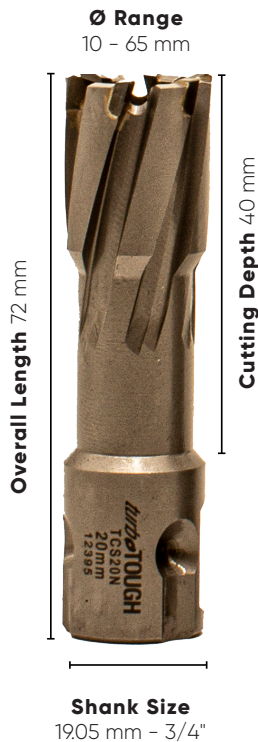
Micro-grain carbide with a cobalt binder delivers exceptional strength and long tool life – ideal for everything from structural steel to cast iron and stainless.



### CNC Machines Flutes and Cutter Body

Ensuring consistent close tolerance holes and minimising run out.

## 40 MM DEPTH OF CUT



SIZE Ø	Part #
10 mm	JEITCS10
11 mm	JEITCS11
12 mm	JEITCS12
13 mm	JEITCS13
14 mm	JEITCS14
15 mm	JEITCS15
16 mm	JEITCS16
17 mm	JEITCS17
18 mm	JEITCS18
19 mm	JEITCS19
20 mm	JEITCS20
21 mm	JEITCS21
22 mm	JEITCS22
23 mm	JEITCS23
24 mm	JEITCS24
25 mm	JEITCS25
26 mm	JEITCS26
27 mm	JEITCS27
28 mm	JEITCS28
29 mm	JEITCS29
30 mm	JEITCS30
31 mm	JEITCS31
32 mm	JEITCS32
33 mm	JEITCS33
34 mm	JEITCS34
35 mm	JEITCS35
36 mm	JEITCS36
37 mm	JEITCS37
38 mm	JEITCS38
39 mm	JEITCS39
40 mm	JEITCS40

SIZE Ø	Part #
41 mm	JEITCS41
42 mm	JEITCS42
43 mm	JEITCS43
44 mm	JEITCS44
45 mm	JEITCS45
46 mm	JEITCS46
47 mm	JEITCS47
48 mm	JEITCS48
49 mm	JEITCS49
50 mm	JEITCS50
51 mm	JEITCS51
52 mm	JEITCS52
53 mm	JEITCS53
54 mm	JEITCS54
55 mm	JEITCS55
56 mm	JEITCS56
57 mm	JEITCS57
58 mm	JEITCS58
59 mm	JEITCS59
60 mm	JEITCS60
61 mm	JEITCS61
62 mm	JEITCS62
63 mm	JEITCS63
64 mm	JEITCS64
65 mm	JEITCS65
66 mm	JEITCS66
67 mm	JEITCS67
68 mm	JEITCS68
69 mm	JEITCS69
70 mm	JEITCS70

Order your Pilot Pin for JEITCL10-11: JEIPILOT1/4MM



Order your Pilot Pin for JEITCS12-17 JEIPILOT1/6MM



Order your Pilot Pin for JEITCS18-65 JEIPILOT1/8MM



# turbo™ TOUGH

## 55 MM DEPTH OF CUT

TGT CUTTERS (55 MM DOC)

turbo™ TOUGH

SIZE Ø	Part #
10 mm	JEITCL10
11 mm	JEITCL11
12 mm	JEITCL12
13 mm	JEITCL13
14 mm	JEITCL14
15 mm	JEITCL15
16 mm	JEITCL16
17 mm	JEITCL17
18 mm	JEITCL18
19 mm	JEITCL19
20 mm	JEITCL20
21 mm	JEITCL21
22 mm	JEITCL22
23 mm	JEITCL23
24 mm	JEITCL24
25 mm	JEITCL25
26 mm	JEITCL26
27 mm	JEITCL27
28 mm	JEITCL28
29 mm	JEITCL29
30 mm	JEITCL30
31 mm	JEITCL31
32 mm	JEITCL32
33 mm	JEITCL33
34 mm	JEITCL34
35 mm	JEITCL35
36 mm	JEITCL36
37 mm	JEITCL37
38 mm	JEITCL38
39 mm	JEITCL39
40 mm	JEITCL40
41 mm	JEITCL41
42 mm	JEITCL42
43 mm	JEITCL43
44 mm	JEITCL44
45 mm	JEITCL45
46 mm	JEITCL46
47 mm	JEITCL47
48 mm	JEITCL48
49 mm	JEITCL49
50 mm	JEITCL50
51 mm	JEITCL51
52 mm	JEITCL52
53 mm	JEITCL53
54 mm	JEITCL54
55 mm	JEITCL55
56 mm	JEITCL56
57 mm	JEITCL57

SIZE Ø	Part #
58 mm	JEITCL58
59 mm	JEITCL59
60 mm	JEITCL60
61 mm	JEITCL61
62 mm	JEITCL62
63 mm	JEITCL63
64 mm	JEITCL64
65 mm	JEITCL65
66 mm	JEITCL66
67 mm	JEITCL67
68 mm	JEITCL68
69 mm	JEITCL69
70 mm	JEITCL70
71 mm	JEITCL71
72 mm	JEITCL72
73 mm	JEITCL73
74 mm	JEITCL74
75 mm	JEITCL75
76 mm	JEITCL76
77 mm	JEITCL77
78 mm	JEITCL78
79 mm	JEITCL79
80 mm	JEITCL80
81 mm	JEITCL81
82 mm	JEITCL82
83 mm	JEITCL83
84 mm	JEITCL84
85 mm	JEITCL85
86 mm	JEITCL86
87 mm	JEITCL87
88 mm	JEITCL88
89 mm	JEITCL89
90 mm	JEITCL90
91 mm	JEITCL91
92 mm	JEITCL92
93 mm	JEITCL93
94 mm	JEITCL94
95 mm	JEITCL95
96 mm	JEITCL96
97 mm	JEITCL97
98 mm	JEITCL98
99 mm	JEITCL99
100 mm	JEITCL100
105 mm	JEITCL105
110 mm	JEITCL110
115 mm	JEITCL115
120 mm	JEITCL120



Order your Pilot Pin for JEITCL10-11: JEIPILOT2/4MM



Order your Pilot Pin for JEITCL12-17: JEIPILOT2



Order your Pilot Pin for JEITCL18-65: JEIPILOT2/8MM



Order your Pilot Pin for JEITCL66 without adaptor: JEIPILOT3/8MM

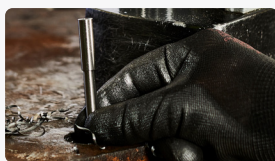


Order your Pilot Pin for JEITCL66 with adaptor: JEIPILOT4/8MM



### 💡 Hints and Tips!

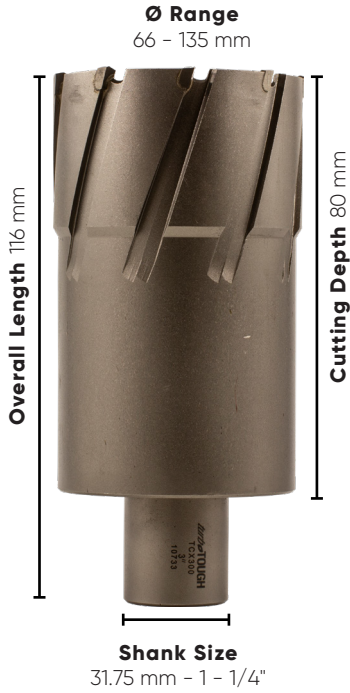
When cutting through thick materials, ensure JEI's 2-part detachable pin is used.



# 80 MM DEPTH OF CUT



SIZE Ø	Part #
12 mm	JEITCX12
13 mm	JEITCX13
14 mm	JEITCX14
15 mm	JEITCX15
16 mm	JEITCX16
17 mm	JEITCX17
18 mm	JEITCX18
19 mm	JEITCX19
20 mm	JEITCX20
21 mm	JEITCX21
22 mm	JEITCX22
23 mm	JEITCX23
24 mm	JEITCX24
25 mm	JEITCX25
26 mm	JEITCX26
27 mm	JEITCX27
28 mm	JEITCX28
29 mm	JEITCX29
30 mm	JEITCX30
31 mm	JEITCX31
32 mm	JEITCX32
33 mm	JEITCX33
34 mm	JEITCX34
35 mm	JEITCX35
36 mm	JEITCX36
37 mm	JEITCX37
38 mm	JEITCX38
39 mm	JEITCX39
40 mm	JEITCX40
41 mm	JEITCX41
42 mm	JEITCX42
43 mm	JEITCX43
44 mm	JEITCX44
45 mm	JEITCX45
46 mm	JEITCX46
47 mm	JEITCX47
48 mm	JEITCX48
49 mm	JEITCX49
50 mm	JEITCX50
51 mm	JEITCX51
52 mm	JEITCX52
53 mm	JEITCX53
54 mm	JEITCX54
55 mm	JEITCX55
56 mm	JEITCX56
57 mm	JEITCX57
58 mm	JEITCX58
59 mm	JEITCX59
60 mm	JEITCX60



SIZE Ø	Part #
61 mm	JEITCX61
62 mm	JEITCX62
63 mm	JEITCX63
64 mm	JEITCX64
65 mm	JEITCX65
66 mm	JEITCX66
67 mm	JEITCX67
68 mm	JEITCX68
69 mm	JEITCX69
70 mm	JEITCX70
71 mm	JEITCX71
72 mm	JEITCX72
73 mm	JEITCX73
74 mm	JEITCX74
75 mm	JEITCX75
76 mm	JEITCX76
77 mm	JEITCX77
78 mm	JEITCX78
79 mm	JEITCX79
80 mm	JEITCX80
81 mm	JEITCX81
82 mm	JEITCX82
83 mm	JEITCX83
84 mm	JEITCX84
85 mm	JEITCX85
86 mm	JEITCX86
87 mm	JEITCX87
88 mm	JEITCX88
89 mm	JEITCX89
90 mm	JEITCX90
91 mm	JEITCX91
92 mm	JEITCX92
93 mm	JEITCX93
94 mm	JEITCX94
95 mm	JEITCX95
96 mm	JEITCX96
97 mm	JEITCX97
98 mm	JEITCX98
99 mm	JEITCX99
100 mm	JEITCX100
105 mm	JEITCX105
110 mm	JEITCX110
115 mm	JEITCX115
120 mm	JEITCX120

Order your Pilot Pin for JEITCX12-17

JEIPILOT3



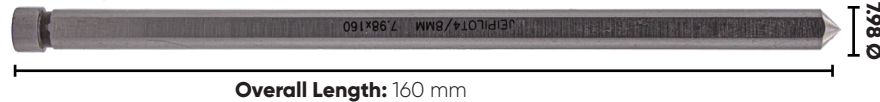
Order your Pilot Pin for JEITCX18-65

JEIPILOT3/8MM



Order your Pilot Pin for JEITCX66-135

JEIPILOT4/8MM



## CUTTING OILS & LUBRICANTS

Includes:

- Neat cutting oil.
- Cutting spray.



SEE PAGE 19 FOR THE FULL RANGE.

Part # JEIOIL-NEAT & JEIOIL-TTA

# turbo™ TOUGH

## 110 MM DEPTH OF CUT

TCT CUTTERS (110 MM DOG)

turbo™ TOUGH



SIZE Ø	Part #
18 mm	JEITCXL18
19 mm	JEITCXL19
20 mm	JEITCXL20
21 mm	JEITCXL21
22 mm	JEITCXL22
23 mm	JEITCXL23
24 mm	JEITCXL24
25 mm	JEITCXL25
26 mm	JEITCXL26
27 mm	JEITCXL27
28 mm	JEITCXL28
29 mm	JEITCXL29
30 mm	JEITCXL30
31 mm	JEITCXL31
32 mm	JEITCXL32
33 mm	JEITCXL33
34 mm	JEITCXL34
35 mm	JEITCXL35
36 mm	JEITCXL36
37 mm	JEITCXL37
38 mm	JEITCXL38
39 mm	JEITCXL39
40 mm	JEITCXL40
41 mm	JEITCXL41
42 mm	JEITCXL42
43 mm	JEITCXL43
44 mm	JEITCXL44
45 mm	JEITCXL45
46 mm	JEITCXL46
47 mm	JEITCXL47
48 mm	JEITCXL48
49 mm	JEITCXL49
50 mm	JEITCXL50
51 mm	JEITCXL51
52 mm	JEITCXL52
53 mm	JEITCXL53
54 mm	JEITCXL54
55 mm	JEITCXL55
56 mm	JEITCXL56
57 mm	JEITCXL57
58 mm	JEITCXL58
59 mm	JEITCXL59
60 mm	JEITCXL60
61 mm	JEITCXL61
62 mm	JEITCXL62
63 mm	JEITCXL63
64 mm	JEITCXL64



SIZE Ø	Part #
65 mm	JEITCXL65
66 mm	JEITCXL66
67 mm	JEITCXL67
68 mm	JEITCXL68
69 mm	JEITCXL69
70 mm	JEITCXL70
71 mm	JEITCXL71
72 mm	JEITCXL72
73 mm	JEITCXL73
74 mm	JEITCXL74
75 mm	JEITCXL75
76 mm	JEITCXL76
77 mm	JEITCXL77
78 mm	JEITCXL78
79 mm	JEITCXL79
80 mm	JEITCXL80
81 mm	JEITCXL81
82 mm	JEITCXL82
83 mm	JEITCXL83
84 mm	JEITCXL84
85 mm	JEITCXL85
86 mm	JEITCXL86
87 mm	JEITCXL87
88 mm	JEITCXL88
89 mm	JEITCXL89
90 mm	JEITCXL90
91 mm	JEITCXL91
92 mm	JEITCXL92
93 mm	JEITCXL93
94 mm	JEITCXL94
95 mm	JEITCXL95
96 mm	JEITCXL96
97 mm	JEITCXL97
98 mm	JEITCXL98
99 mm	JEITCXL99
100 mm	JEITCXL100
105 mm	JEITCXL105
110 mm	JEITCXL110
115 mm	JEITCXL115
120 mm	JEITCXL120

Order your Pilot Pin for JEITCXL18-65

JEIPILOT4/8MM



Order your Pilot Pin for JEITCXL66 with adaptor

JEIPILOT6/8MM



### 3 PIECE FABRICATOR CUTTER SET

Includes:

- 1 of each: 14, 18,
- & 22 mm X 40 mm D.O.C
- 2 Pilot pins.

Part # JEITCS-SET 3



For our full range of pilot pins see page 19.

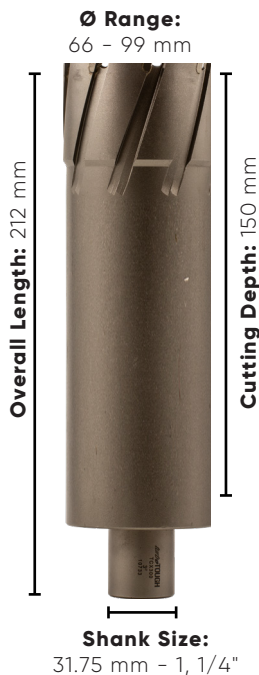


Steel Fabrication

# 150 MM DEPTH OF CUT



SIZE Ø	Part #
18 mm	JEITCXXL18
19 mm	JEITCXXL19
20 mm	JEITCXXL20
21 mm	JEITCXXL21
22 mm	JEITCXXL22
23 mm	JEITCXXL23
24 mm	JEITCXXL24
25 mm	JEITCXXL25
26 mm	JEITCXXL26
27 mm	JEITCXXL27
28 mm	JEITCXXL28
29 mm	JEITCXXL29
30 mm	JEITCXXL30
31 mm	JEITCXXL31
32 mm	JEITCXXL32
33 mm	JEITCXXL33
34 mm	JEITCXXL34
35 mm	JEITCXXL35
36 mm	JEITCXXL36
37 mm	JEITCXXL37
38 mm	JEITCXXL38
39 mm	JEITCXXL39
40 mm	JEITCXXL40
41 mm	JEITCXXL41
42 mm	JEITCXXL42
43 mm	JEITCXXL43
44 mm	JEITCXXL44
45 mm	JEITCXXL45
46 mm	JEITCXXL46
47 mm	JEITCXXL47
48 mm	JEITCXXL48
49 mm	JEITCXXL49
50 mm	JEITCXXL50
51 mm	JEITCXXL51
52 mm	JEITCXXL52
53 mm	JEITCXXL53
54 mm	JEITCXXL54
55 mm	JEITCXXL55
56 mm	JEITCXXL56
57 mm	JEITCXXL57
58 mm	JEITCXXL58
59 mm	JEITCXXL59
60 mm	JEITCXXL60
61 mm	JEITCXXL61
62 mm	JEITCXXL62
65 mm	JEITCXXL65



SIZE Ø	Part #
66 mm	JEITCXXL66
67 mm	JEITCXXL67
68 mm	JEITCXXL68
69 mm	JEITCXXL69
70 mm	JEITCXXL70
71 mm	JEITCXXL71
72 mm	JEITCXXL72
73 mm	JEITCXXL73
74 mm	JEITCXXL74
75 mm	JEITCXXL75
76 mm	JEITCXXL76
77 mm	JEITCXXL77
78 mm	JEITCXXL78
79 mm	JEITCXXL79
80 mm	JEITCXXL80
81 mm	JEITCXXL81
82 mm	JEITCXXL82
83 mm	JEITCXXL83
84 mm	JEITCXXL84
85 mm	JEITCXXL85
86 mm	JEITCXXL86
87 mm	JEITCXXL87
88 mm	JEITCXXL88
89 mm	JEITCXXL89
90 mm	JEITCXXL90
91 mm	JEITCXXL91
92 mm	JEITCXXL92
93 mm	JEITCXXL93
94 mm	JEITCXXL94
95 mm	JEITCXXL95
96 mm	JEITCXXL96
97 mm	JEITCXXL97
98 mm	JEITCXXL98
99 mm	JEITCXXL99
100 mm	JEITCXXL100



Order your Pilot Pin for  
**JEITCXXL 18-65**  
 JEIPILOT6/8MM

**JEITCXXL66-100**  
 JEIPILOT8/8MM  
 (see pin on page 11)

**Hints and Tips!**

When using a cutter above 65 mm diameter, the size of the shank increases. Ensure that you have the correct arbor.

See JEI's Adaptor (Ref JEI-ADPT19/32) to adapt a standard 19 mm shank arbor to suit.



## CUTTING OILS & LUBRICANTS

FOR THE BEST RESULTS, USE JEI'S RANGE OF CUTTING OILS AND LUBRICANTS.

SEE PAGE 19 FOR THE FULL RANGE.

- Includes:**
- Neat cutting oil.
  - Cutting spray.



**Part # JEI OIL-NEAT & JEI OIL-TTA**

# 200 MM DEPTH OF CUT



SIZE Ø	Part #
22 mm	JEITCXXL22
23 mm	JEITCXXL23
24 mm	JEITCXXL24
25 mm	JEITCXXL25
26 mm	JEITCXXL26
27 mm	JEITCXXL27
28 mm	JEITCXXL28
29 mm	JEITCXXL29
30 mm	JEITCXXL30
31 mm	JEITCXXL31
32 mm	JEITCXXL32
33 mm	JEITCXXL33
34 mm	JEITCXXL34
35 mm	JEITCXXL35
36 mm	JEITCXXL36
37 mm	JEITCXXL37
38 mm	JEITCXXL38
39 mm	JEITCXXL39
40 mm	JEITCXXL40
41 mm	JEITCXXL41
42 mm	JEITCXXL42
43 mm	JEITCXXL43
44 mm	JEITCXXL44
45 mm	JEITCXXL45
46 mm	JEITCXXL46
47 mm	JEITCXXL47
48 mm	JEITCXXL48
49 mm	JEITCXXL49
50 mm	JEITCXXL50

Order your Pilot Pin for  
JEITCXXL 22-65  
JEIPILOT8/8MM



## 3 PIECE FABRICATOR CUTTER SET



Part # JEITCS-SET 3

- Includes:
- 1 of each: 14, 18, & 22 mm X 40 mm cutting depth.
  - 2 Pilot pins.

## 5 PIECE TCT CUTTER SET



- Includes:
- 1 of each: 14, 16, 18, 20, & 22 mm X 40 mm cutting depth.
  - 2 Pilot pins to suit.

Part # JEITCS-SET 5

## 11 PIECE TCT CUTTER SET



Part # JEITCS-SET 11

- Includes:
- 1 of each: 12, 13, 14, 15, 16, 18, 20, 22, 24, 25, & 26 mm X 40 mm cutting depth.
  - 2 Pilot pins to suit.

# SUPER-TOUGH COATED TCT CUTTERS

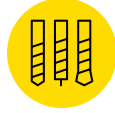
DESIGNED FOR THE WORLD'S TOUGHEST MATERIALS: ABRO, HARDOX, WELDOX, ARMoured PLATE, VRN 400, & MANY MORE.



**Size Range**  
12 - 65 mm Ø



**Cutting Depths**  
40 - 55 mm



**Cutter Type**  
Super Coated TCT



**Max. Tensile Strength**  
<1600RM (N/mm<sup>2</sup>)



**Perfect for:**  
Hardox, Weldox, Armoured Plate, Super Duplex, Aircraft Steel, Abro Plat, & more



**For use with:**  
Magnetic drilling machines

- ✓ Cuts through the most challenging materials.
- ✓ Unrivalled performance = less production down time.
- ✓ Greater protection from heat build and surface softening.
- ✓ Ability to drill dry when required.
- ✓ Low cost per hole ratio.



## ENDURANCE+ CUTTER SETS

### Part # JEIETCS-SET 5

**Includes:**

- 1 of each: 14, 16, 18, 20, & 22 mm
- 40 mm cutting depth.
- 2 Pilot pins to suit.

### Part # JEIETCL-SET 5

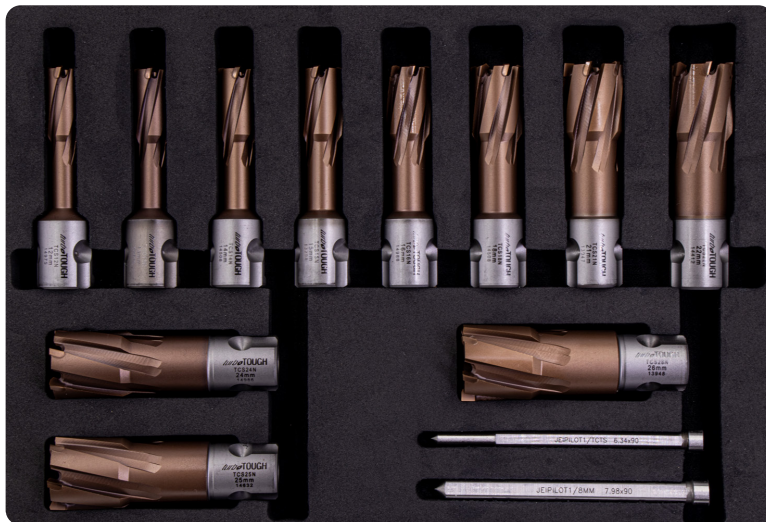
**Includes:**

- 1 of each: 14, 16, 18, 20, & 22 mm
- 55 mm cutting depth.
- 2 Pilot pins to suit.

### Part # JEIETCS-SET 11

**Includes:**

- 1 of each: 12, 13, 14, 15, 16, 18, 20, 22, 24, 25, & 26 mm
- 40 mm cutting depth.
- 2 Pilot pins to suit.



TURBO™ ENDURANCE+

## PILOT PINS

For more information and a full break down of pilot pins see page 17.



### 40 mm DOC

SIZE Ø	Use Pilot Part #
12-17 mm	JEIPILOT1/6MM
18-65 mm	JEIPILOT1/8MM
66 mm +	JEIPILOT1/8MM/W

### 55 mm DOC

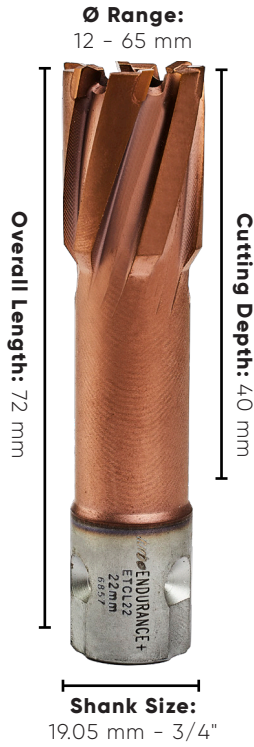
SIZE Ø	Use Pilot Part #
12-17 mm	JEIPILOT2
18-65 mm	JEIPILOT2/8MM
66 mm +	JEIPILOT2/8MM/W



## 40 MM DEPTH OF CUT

## 55 MM DEPTH OF CUT

SIZE Ø	Part #
12 mm	JEIETCS12
13 mm	JEIETCS13
14 mm	JEIETCS14
15 mm	JEIETCS15
16 mm	JEIETCS16
17 mm	JEIETCS17
18 mm	JEIETCS18
19 mm	JEIETCS19
20 mm	JEIETCS20
21 mm	JEIETCS21
22 mm	JEIETCS22
23 mm	JEIETCS23
24 mm	JEIETCS24
25 mm	JEIETCS25
26 mm	JEIETCS26
27 mm	JEIETCS27
28 mm	JEIETCS28
29 mm	JEIETCS29
30 mm	JEIETCS30
31 mm	JEIETCS31
32 mm	JEIETCS32
33 mm	JEIETCS33
34 mm	JEIETCS34
35 mm	JEIETCS35
36 mm	JEIETCS36
37 mm	JEIETCS37
38 mm	JEIETCS38
39 mm	JEIETCS39
40 mm	JEIETCS40
41 mm	JEIETCS41
42 mm	JEIETCS42
43 mm	JEIETCS43
44 mm	JEIETCS44
45 mm	JEIETCS45
46 mm	JEIETCS46
47 mm	JEIETCS47
48 mm	JEIETCS48
49 mm	JEIETCS49
50 mm	JEIETCS50
51 mm	JEIETCS51
52 mm	JEIETCS52
53 mm	JEIETCS53
54 mm	JEIETCS54
55 mm	JEIETCS55



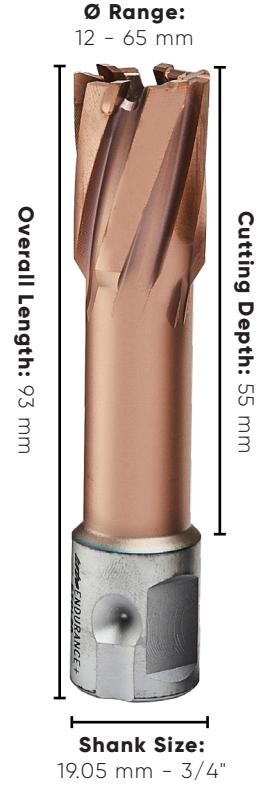
Order your  
Pilot Pin for  
12 - 17 mm Ø  
JEIPILOT1/6MM



Order your  
Pilot Pin for  
18 mm Ø  
JEIPILOT1/8MM



SIZE Ø	Part #
12 mm	JEIETCL12
13 mm	JEIETCL13
14 mm	JEIETCL14
15 mm	JEIETCL15
16 mm	JEIETCL16
17 mm	JEIETCL17
18 mm	JEIETCL18
19 mm	JEIETCL19
20 mm	JEIETCL20
21 mm	JEIETCL21
22 mm	JEIETCL22
23 mm	JEIETCL23
24 mm	JEIETCL24
25 mm	JEIETCL25
26 mm	JEIETCL26
27 mm	JEIETCL27
28 mm	JEIETCL28
29 mm	JEIETCL29
30 mm	JEIETCL30
31 mm	JEIETCL31
32 mm	JEIETCL32
33 mm	JEIETCL33
34 mm	JEIETCL34
35 mm	JEIETCL35
36 mm	JEIETCL36
37 mm	JEIETCL37
38 mm	JEIETCL38
39 mm	JEIETCL39
40 mm	JEIETCL40
41 mm	JEIETCL41
42 mm	JEIETCL42
43 mm	JEIETCL43
44 mm	JEIETCL44
45 mm	JEIETCL45
46 mm	JEIETCL46
47 mm	JEIETCL47
48 mm	JEIETCL48
49 mm	JEIETCL49
50 mm	JEIETCL50
51 mm	JEIETCL51
52 mm	JEIETCL52
53 mm	JEIETCL53
54 mm	JEIETCL54
55 mm	JEIETCL55



Order your  
Pilot Pin for  
12 - 17 mm Ø  
JEIPILOT2



Order your  
Pilot Pin for  
18 mm Ø  
JEIPILOT2/8MM



# ANNULAR CUTTER SETS

## TURBO™ STEEL M2AL HSS CUTTER SETS

ITEM	INCLUDES	1" D.O.C	2" D.O.C
3 Piece HSS Starter Kit	14, 18, 22 mm & 1 pilot pin.	JEICS-SET3	JEICL-SET 3
5 Piece HSS Cutter Set	14, 16, 18, 20, 22 mm, & 1 Pilot Pin.	JEICS-SET5	JEICL-SET 5
11 Piece HSS Cutter Set	12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 26 mm, & 1 pilot pin.	JEICS-SET11	JEICL-SET11

Perfect for use on most mild steel, aluminium, and structural steel.



## TURBO™ TOUGH TCT CUTTER SETS

ITEM	INCLUDES	40mm D.O.C	55mm D.O.C
3 Piece TCT Starter Kit	14, 18, 22 mm, & 2 pilot pins	JEITCS-SET3	JEITCL-SET 3
5 Piece TCT Cutter Set	14, 16, 18, 20, 22 mm, & 2 Pilot Pins	JEITCS-SET5	JEITCL-SET 5
11 Piece TCT Cutter Set	12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 26 mm, & 2 pilot pins	JEITCS-SET11	JEITCL-SET11

Perfect for use on most mild steel, structural steel, stainless steel, and cast iron.



## TURBO™ 15 PIECE FABRICATION KIT

Includes:

PART NO	DESCRIPTION	QTY
• JEICS22	Turbo Steel M2-AL Cutter 22 mm X 1"	1
• JEICSK-30	Turbo Steel Countersink 30 mm 90°(4 - 30 mm)	1
• JEICSKM-20.5	Turbo Gold Countersink 20.5 mm 90°	1
• JEIECS22	Turbo Endurance M2-AL Coated Cutter, 22 mm	1
• JEIHR14	Turbo Hex Reamer, 14 mm Ø (24 mm Hex)	1
• JEIHS-22	TCT Hole saw, 22 mm (1" D.O.C)	1
• JEIPILOT1	Pilot Pin 1"	1
• JEIPILOT1/8MM	Pilot Pin 40 mm D.O.C (8 mm Ø)	1
• JEISDT-9.4.20	Turbo Gold Step Drill 4 mm-20 mm Spiral Flat	1
• JEISMCT12	Mini Cutter 12 mm Ø X 6.4 mm D.O.C	1
• JEISMS002	Arbor Assembly for Mini Cutters up to 20 mm	1
• JEISR-14/22MM	Turbo Step Reamers, 14 - 22 mm HSS	1
• JEITAPM8	Turbo Tap M8 X 1.25 (19 mm Shank)	1
• JEITCS22	Turbo Tough 22 mm X 40 mm TCT (8 mm PILOT)	1
• JEITD-12	Twist Drill 12 mm, (19 mm Shank)	1



EXPLORE MORE OF OUR PREMIUM TCT AND HSS CUTTER RANGE AND SAVE WITH OUR FLEXIBLE CUTTER SET OPTIONS. DESIGNED TO GIVE YOU THE CUTTERS YOU NEED IN ONE CONVENIENT PACKAGE, THESE SETS OFFER EXCELLENT VALUE WITHOUT COMPROMISING PERFORMANCE.

**TURBO™ ENDURANCE CUTTER SETS**

ITEM	INCLUDES	1" D.O.C	2" D.O.C
3 Piece HSS Coated Starter Kit	14, 18, 22 mm, & 1 pilot pin.	JEIECS-SET3	JEIECL-SET 3
5 Piece HSS Coated Set	14, 16, 18, 20, 22 mm, & 1 Pilot Pin.	JEIECS-SET5	JEIECL-SET 5
11 Piece HSS Coated Set	12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 26 mm, & 1 pilot pin.	JEIECS-SET11	JEIECL-SET11

Coated for extended tool life. Perfect for use on most mild steel, aluminium, and structural steel.



**TURBO™ ENDURANCE+ CUTTER SETS**

ITEM	INCLUDES	40mm D.O.C	55mm D.O.C
3 Piece TCT Hard Coated Starter Kit	14, 18, 22 mm, & 2 pilot pins	JEIETCS-SET3	JEIETCL-SET 3
5 Piece TCT Hard Coated Cutter Set	14, 16, 18, 20, 22 mm, & 2 Pilot Pins	JEIETCS-SET5	JEIETCL-SET 5
11 Piece TCT Hard Coated Cutter Set	12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 26 mm, & 2 pilot pins	JEIETCS-SET11	JEIETCL-SET11

Super tough coated. Perfect for use on Hardox, Weldox, Armoured Plate, Super Duplex, Abro Plate, and Aircraft Steels.



**TURBO™ TOUGH TCT HOLE SAW SETS**

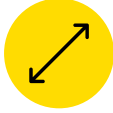
ITEM	INCLUDES	1" D.O.C	2" D.O.C
6 Piece TCT Hole saw Set	16, 18, 19, 20, 22, & 25 mm	JEIHS-SET6	JEIHL-SET 6

Perfect for use on structural steel, stainless steel, plastics, brass, and copper.



TURBO™ RAIL CUTTERS ARE DESIGNED TO LAST LONGER, CUT FASTER, AND PRODUCE PRECISE, HIGH-QUALITY HOLES. MADE FROM HIGH-GRADE MATERIALS WITH OPTIMISED CUTTING GEOMETRY, THEY DELIVER EFFICIENT PERFORMANCE ACROSS A RANGE OF RAIL STEELS.

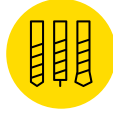
## TCT TOUGH



**Size Range:**  
14 mm - 38 mm Ø



**Cutting Depth:**  
25 mm



**Cutter Type:**  
TCT Rail (Uncoated)



**Max. Tensile Strength:**  
<1200RM (N/mm<sup>2</sup>)



**Perfect For:**  
Rail Track



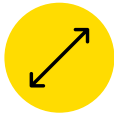
Order your  
Pilot Pin for  
JEIRCS14-38:  
JEIPILOT1



SIZE Ø	Part #
14 mm	JEIRCS14
18 mm	JEIRCS18
19 mm	JEIRCS19
20 mm	JEIRCS20
21 mm	JEIRCS21
22 mm	JEIRCS22
23 mm	JEIRCS23
24 mm	JEIRCS24
25 mm	JEIRCS25
26 mm	JEIRCS26
27 mm	JEIRCS27
28 mm	JEIRCS28
29 mm	JEIRCS29
30 mm	JEIRCS30
31 mm	JEIRCS31
32 mm	JEIRCS32
33 mm	JEIRCS33
34 mm	JEIRCS34
35 mm	JEIRCS35
36 mm	JEIRCS36
38 mm	JEIRCS38



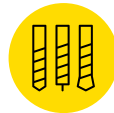
## TCT SUPER TOUGH



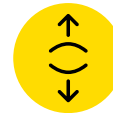
**Size Range:**  
14 mm - 38 mm Ø



**Cutting Depth:**  
25 mm



**Cutter Type:**  
TCT Super Rail  
(Coated)



**Max. Tensile Strength:**  
<1600RM (N/mm<sup>2</sup>)



**Perfect For:**  
All types of Rail Track



Order your  
Pilot Pin for  
JEIRCSE14-38:  
JEIPILOT1



SIZE Ø	Part #
14 mm	JEIRCSE14
18 mm	JEIRCSE18
19 mm	JEIRCSE19
20 mm	JEIRCSE20
21 mm	JEIRCSE21
22 mm	JEIRCSE22
23 mm	JEIRCSE23
24 mm	JEIRCSE24
25 mm	JEIRCSE25
26 mm	JEIRCSE26
27 mm	JEIRCSE27
28 mm	JEIRCSE28
29 mm	JEIRCSE29
30 mm	JEIRCSE30
31 mm	JEIRCSE31
32 mm	JEIRCSE32
33 mm	JEIRCSE33
34 mm	JEIRCSE34
35 mm	JEIRCSE35
36 mm	JEIRCSE36
38 mm	JEIRCSE38



# PILOT PINS

FULLY CNC GROUND TO ENSURE A PERFECT FIT AND POSITIVE SLUG EJECTION

PILOT PINS PLAY A VITAL ROLE IN POSITIONING AND EXTENDING TOOL LIFE

- ✓ Lubricates the cutter internally by acting as a flow tap for the coolant as it retracts into the spring loaded machine arbor, increasing tool life, and ensuring slug ejection.
- ✓ Centralises the position of the hole on the pre-marked steel.
- ✓ Ejects the solid steel slug steel on hole completion.



PART #	DESCRIPTION	USE WITH	WITH 32 MM ADAPTOR
JEIPILOT1	77 mm x 6.35 mm Ø	CS 10 to 65 mm Ø	N/A
JEIPILOT1/TCS4MM	90 mm x 4 mm Ø	TCS 10 & 11mm	N/A
JEIPILOT1/TCS6MM	90 mm x 6.35 mm Ø	TCS 12mm to 17mm Ø	N/A
JEIPILOT1/8MM	90 mm x 7.98 mm Ø	TCS from 18 mm to 65 mm Ø	N/A
JEIPILOT2	103 mm x 6.35 mm Ø	CL up to 12 mm to 65mm TCL up to 17mm Ø	N/A
JEIPILOT2/4MM	103mm x 4 mm Ø	TCL 10 & 11mm	N/A
JEIPILOT2/8MM	103 mm x 7.98 mm Ø	TCL from 18 mm to 65mm Ø	N/A
JEIPILOT3	130 mm x 6.35 mm Ø	TCX up to 17mm Ø	N/A
JEIPILOT3/8MM	130 mm x 7.98 mm Ø	TCX from 18 mm to 65 mm Ø TCL from 66mm Ø without adaptor	N/A
JEIPILOT4	160 mm x 6.35 mm Ø		N/A
JEIPILOT4/8MM	160 mm x 7.98 mm Ø	TCXL from 18 mm to 65 mm Ø TCX from 66 mm Ø without adaptor	TCXL 18 mm to 65 mm Ø TCX 66 mm Ø without adaptor
JEIPILOT6	205mm x 6.35 Ø	N/A	N/A
JEIPILOT6/8MM	205 mm x 7.98 mm Ø	TCXXL from 18 mm to 65 mm Ø TCXL from 66 mm Ø without adaptor	TCX & TCXL from 66 mm with Adaptor
JEIPILOT8/8MM	255 mm x 7.98 mm Ø	TCXXXL up to 65 mm Ø	TCXXXL up to 65mm

## DETACHABLE PILOT PINS

JEI's 2-part detachable pilot pin allows cutting solid steel up to 150 mm thick without fully removing the pin during operation.



PART #	OVERALL LENGTH (mm)	SIZE Ø	USE WITH JEI CUTTERS
JEIPILOT3/8MMD	130 / 80	7.98	Turbo Tough 80 mm D.O.C 20 mm - 66 mm Ø
JEIPILOT4/8MMD	157 / 107	7.98	Turbo Tough 110 mm D.O.C 20 mm - 66 mm Ø
JEIPILOT6/8MMD	221.5 / 174	7.98	Turbo Tough 150 mm D.O.C 20 mm - 66 mm Ø
JEIPILOT8/8MMD	255 / 160	7.98	TCXXXL up to 65 mm

# CUTTING OILS & LUBRICANTS

## FORMULATED TO ENHANCE CUTTER PERFORMANCE AND EXTEND TOOL LIFE

JEI'S RANGE OF CUTTING OILS AND LUBRICANTS ARE SPECIALLY FORMULATED TO USE WITH THE TURBO™ RANGE OF CUTTING TOOLS.



### turbo STEEL SOLUBLE CUTTING OIL

- ✓ Mix (dilute) with water, then fill up the machine coolant bottle for through-spindle cooling.
- ✓ Use with Turbo™ Steel cutters for best results.

PART #	DESCRIPTION
JEIOIL-SOL	Soluble Cutting Oil (dilutes 20:1, 1L)
JEIOIL-SOL/5	Soluble Cutting Oil (dilutes 20:1, 5L)
JEIOIL-SOL/BOX10	Case of 10



### turbo TOUGH NEAT CUTTING OIL

- ✓ Ideal for drilling and tapping.
- ✓ Increases performance when drilling tough materials.
- ✓ Best results with Turbo™ Steel and Turbo™ Tough cutting tools.

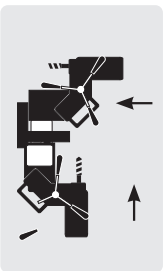
PART #	DESCRIPTION
JEIOIL-NEAT	Neat Cutting Oil (1L)
JEIOIL-NEAT/5	Neat Cutting Oil (5L)
JEIOIL-NEAT/BOX10	Case of 10



### turbo TOUGH CUTTING SPRAY

- ✓ For cutting, drilling, countersinking, tapping and reaming.
- ✓ Enhanced results on tough materials.
- ✓ Best results with Turbo™ Tough cutting tools.
- ✓ Features a unique 360° valve to ensure spraying at all angles.

PART #	DESCRIPTION
JEIOIL-TTA	Turbo tough drill & tap aerosol, 500 ml
JEIOIL-TTA/BOX12	Case of 12

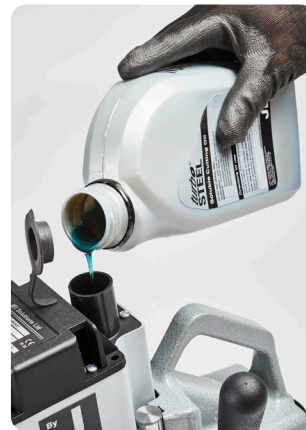


### turbo ENDURANCE+ CUTTING PASTE FOR OVERHEAD DRILLING

A non-drip, revolutionary aerosol magnetic drilling paste formulated for overhead and vertical drilling. Ideal for:

- Steel building.
- Structural bridgework.
- Offshore construction.
- Hazardous environments.

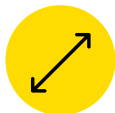
PART #	DESCRIPTION
JEIOIL-TEP	Endurance+ Magnetic Drilling Paste, 500 ml
JEIOIL/TEP/BOX12	Case of 12



# TURBO™ TCT - ELECTRICIANS HOLE SAWS

## IDEAL FOR CLEAN, ACCURATE GLAND ENTRY HOLES

OUR ELECTRICIANS HOLE SAW SETS ARE BUILT FOR THE EVERYDAY DEMANDS OF ELECTRICAL INSTALLATION WORK, OFFERING THE RIGHT SIZES AND PERFORMANCE FOR CLEAN, ACCURATE HOLE CUTTING IN METAL.



**Size Range:**  
14 mm - 40 mm Ø



**Cutting Depth:**  
2 mm



**Cutter Type:**  
TCT



**Shank Size:**  
1/4" impact



**Perfect For:**  
Thin materials up to 2 mm thick: Mild steel, stainless steel, brass, aluminium, and copper.



**For use with:**  
Battery, corded, and pneumatic impact drivers.

Ideal for conduit, cable glands, junction boxes, pipe entries, and other fittings, these sets are designed for use in metal enclosures, structural steel, and panels. Delivering reliable cutting and consistent results, they help electricians work faster and more efficiently on site or in the workshop.



**Electrician TCT Hole Saw Kits**

Available in PG Sizes making them perfect for electrical installations.

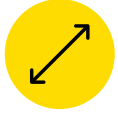


SIZE Ø	PART # (5 mm D.O.C)	GLAND TYPE
15.2 mm	JEIHXS-15.2	PG 9
18.6 mm	JEIHXS-18.6	PG 11
20.4 mm	JEIHXS-20.4	PG 13.5
22.5 mm	JEIHXS-22.5	PG 16
28.3 mm	JEIHXS-28.3	PG 21
15.2 - 28.3 mm	JEIHXS-SET5	5 Piece Set

## HEAVY DUTY TCT HOLE SAWS

10 X MORE LIFE THAN BI-METAL HOLE SAWS

OUR PREMIUM HOLE SAWS FEATURE SOLID CARBIDE TIPS FOR EXCEPTIONAL STRENGTH AND DURABILITY, OUTLASTING STANDARD HIGH-SPEED STEEL (HSS) HOLE SAWS.

**Size Range:**  
14 mm - 150 mm**Cutting Depths:**  
5, 25, & 50 mm**Cutter Type:**  
TCT**Max. Tensile Strength:**  
<1400RM (N/mm<sup>2</sup>)**Perfect For:**  
Structural steel,  
stainless steel, plastic,  
brass, and copper.**For use with:**  
Battery, corded,  
and pneumatic  
hand drills with a  
chuck

- ✓ Features a spring-loaded centre pilot drill for precise hole location and easy core ejection after cutting.
- ✓ Designed for use in a chuck - can be used with a magnetic drilling machine or a hand drill.
- ✓ Manufactured with premium-grade solid carbide tips for added strength and durability.
- ✓ Up to 5 mm depth of cut with an impact wrench and up to 50 mm with a mag drill.
- ✓ Harder wearing and longer-lasting than HSS hole saws.

**Centre Pilot Pin**

To guide the tool into position, reducing slippage.

**Ejector Spring**

To provide positive slug ejection.

**Hard Wearing Tungsten Carbide Teeth**

Featuring premium-grade, hard-wearing tungsten carbide teeth, this tool is designed for exceptional strength and longevity.

**Safety Collar**

Stops the tool from over penetrating the material, preventing breakage.



TURBO™ TOUGH

**6 PIECE TCT  
HOLE SAW SET****Part # JEIHX-SET 6****Includes:**

- 14, 16, 18, 20, 22, & 25 mm Ø
- 5 mm D.O.C
- Pilot pins to suit.



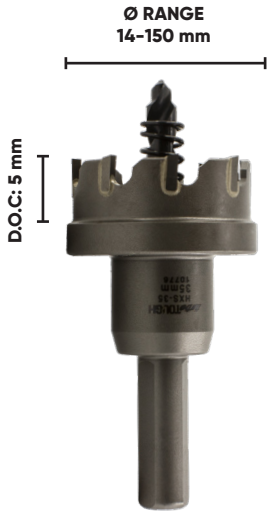
TURBO™ TOUGH

**6 PIECE TCT  
HOLE SAW SET****Part# JEIHS-SET 6****Includes:**

- 16, 18, 19, 20, 22, & 25 mm Ø
- 25 mm D.O.C.
- Pilot pins to suit.

# HEAVY DUTY TCT HOLE SAWS

## 5 MM D.O.C



SIZE Ø	PART #
14 mm	JEIHXS-14
15 mm	JEIHXS-15
16 mm	JEIHXS-16
17 mm	JEIHXS-17
18 mm	JEIHXS-18
19 mm	JEIHXS-19
20 mm	JEIHXS-20
21 mm	JEIHXS-21
22 mm	JEIHXS-22
23 mm	JEIHXS-23
24 mm	JEIHXS-24
25 mm	JEIHXS-25
26 mm	JEIHXS-26
27 mm	JEIHXS-27
28 mm	JEIHXS-28
29 mm	JEIHXS-29
30 mm	JEIHXS-30
31 mm	JEIHXS-31
32 mm	JEIHXS-32
33 mm	JEIHXS-33
34 mm	JEIHXS-34
35 mm	JEIHXS-35
36 mm	JEIHXS-36
37 mm	JEIHXS-37
38 mm	JEIHXS-38
39 mm	JEIHXS-39
40 mm	JEIHXS-40
41 mm	JEIHXS-41
42 mm	JEIHXS-42
43 mm	JEIHXS-43
44 mm	JEIHXS-44
45 mm	JEIHXS-45
46 mm	JEIHXS-46

SIZE Ø	PART #
47 mm	JEIHXS-47
48 mm	JEIHXS-48
49 mm	JEIHXS-49
50 mm	JEIHXS-50
51 mm	JEIHXS-51
52 mm	JEIHXS-52
53 mm	JEIHXS-53
54 mm	JEIHXS-54
55 mm	JEIHXS-55
56 mm	JEIHXS-56
57 mm	JEIHXS-57
58 mm	JEIHXS-58
59 mm	JEIHXS-59
60 mm	JEIHXS-60
61 mm	JEIHXS-61
62 mm	JEIHXS-62
63 mm	JEIHXS-63
64 mm	JEIHXS-64
65 mm	JEIHXS-65
66 mm	JEIHXS-66
67 mm	JEIHXS-67
68 mm	JEIHXS-68
69 mm	JEIHXS-69
70 mm	JEIHXS-70
71 mm	JEIHXS-71
72 mm	JEIHXS-72
73 mm	JEIHXS-73
74 mm	JEIHXS-74
75 mm	JEIHXS-75
76 mm	JEIHXS-76
77 mm	JEIHXS-77
78 mm	JEIHXS-78
79 mm	JEIHXS-79

SIZE Ø	PART #
80 mm	JEIHXS-80
81 mm	JEIHXS-81
82 mm	JEIHXS-82
83 mm	JEIHXS-83
84 mm	JEIHXS-84
85 mm	JEIHXS-85
86 mm	JEIHXS-86
87 mm	JEIHXS-87
88 mm	JEIHXS-88
89 mm	JEIHXS-89
90 mm	JEIHXS-90
91 mm	JEIHXS-91
92 mm	JEIHXS-92
93 mm	JEIHXS-93
94 mm	JEIHXS-94
95 mm	JEIHXS-95
96 mm	JEIHXS-96
97 mm	JEIHXS-97
98 mm	JEIHXS-98
99 mm	JEIHXS-99
100 mm	JEIHXS-100
105 mm	JEIHXS-105
110 mm	JEIHXS-110
115 mm	JEIHXS-115
120 mm	JEIHXS-120
125 mm	JEIHXS-125
130 mm	JEIHXS-130
135 mm	JEIHXS-135
140 mm	JEIHXS-140
145 mm	JEIHXS-145
150 mm	JEIHXS-150

## 25 MM D.O.C



SIZE Ø	PART #
14 mm	JEIHS-14
15 mm	JEIHS-15
16 mm	JEIHS-16
17 mm	JEIHS-17
18 mm	JEIHS-18
19 mm	JEIHS-19
20 mm	JEIHS-20
21 mm	JEIHS-21
22 mm	JEIHS-22
23 mm	JEIHS-23
24 mm	JEIHS-24
25 mm	JEIHS-25
26 mm	JEIHS-26
27 mm	JEIHS-27
28 mm	JEIHS-28
29 mm	JEIHS-29
30 mm	JEIHS-30
31 mm	JEIHS-31
32 mm	JEIHS-32
33 mm	JEIHS-33
34 mm	JEIHS-34
35 mm	JEIHS-35
36 mm	JEIHS-36
37 mm	JEIHS-37
38 mm	JEIHS-38
39 mm	JEIHS-39
40 mm	JEIHS-40
41 mm	JEIHS-41
42 mm	JEIHS-42
43 mm	JEIHS-43
44 mm	JEIHS-44
45 mm	JEIHS-45
46 mm	JEIHS-46

SIZE Ø	PART #
47 mm	JEIHS-47
48 mm	JEIHS-48
49 mm	JEIHS-49
50 mm	JEIHS-50
51 mm	JEIHS-51
52 mm	JEIHS-52
53 mm	JEIHS-53
54 mm	JEIHS-54
55 mm	JEIHS-55
56 mm	JEIHS-56
57 mm	JEIHS-57
58 mm	JEIHS-58
59 mm	JEIHS-59
60 mm	JEIHS-60
61 mm	JEIHS-61
62 mm	JEIHS-62
63 mm	JEIHS-63
64 mm	JEIHS-64
65 mm	JEIHS-65
66 mm	JEIHS-66
67 mm	JEIHS-67
68 mm	JEIHS-68
69 mm	JEIHS-69
70 mm	JEIHS-70
71 mm	JEIHS-71
72 mm	JEIHS-72
73 mm	JEIHS-73
74 mm	JEIHS-74
75 mm	JEIHS-75
76 mm	JEIHS-76
77 mm	JEIHS-77
78 mm	JEIHS-78
79 mm	JEIHS-79

SIZE Ø	PART #
80 mm	JEIHS-80
81 mm	JEIHS-81
82 mm	JEIHS-82
83 mm	JEIHS-83
84 mm	JEIHS-84
85 mm	JEIHS-85
86 mm	JEIHS-86
87 mm	JEIHS-87
88 mm	JEIHS-88
89 mm	JEIHS-89
90 mm	JEIHS-90
91 mm	JEIHS-91
92 mm	JEIHS-92
93 mm	JEIHS-93
94 mm	JEIHS-94
95 mm	JEIHS-95
96 mm	JEIHS-96
97 mm	JEIHS-97
98 mm	JEIHS-98
99 mm	JEIHS-99
100 mm	JEIHS-100
105 mm	JEIHS-105
110 mm	JEIHS-110
115 mm	JEIHS-115
120 mm	JEIHS-120

# HEAVY DUTY TCT HOLE SAWS

## 50 MM D.O.C



SIZE Ø	PART #
14 mm	JEIHL-14
15 mm	JEIHL-15
16 mm	JEIHL-16
17 mm	JEIHL-17
18 mm	JEIHL-18
19 mm	JEIHL-19
20 mm	JEIHL-20
21 mm	JEIHL-21
22 mm	JEIHL-22
23 mm	JEIHL-23
24 mm	JEIHL-24
25 mm	JEIHL-25
26 mm	JEIHL-26
27 mm	JEIHL-27
28 mm	JEIHL-28
29 mm	JEIHL-29
30 mm	JEIHL-30
31 mm	JEIHL-31
32 mm	JEIHL-32
33 mm	JEIHL-33
34 mm	JEIHL-34
35 mm	JEIHL-35
36 mm	JEIHL-36
37 mm	JEIHL-37
38 mm	JEIHL-38
39 mm	JEIHL-39
40 mm	JEIHL-40
41 mm	JEIHL-41
42 mm	JEIHL-42
43 mm	JEIHL-43
44 mm	JEIHL-44
45 mm	JEIHL-45
46 mm	JEIHL-46
47 mm	JEIHL-47
48 mm	JEIHL-48
49 mm	JEIHL-49
50 mm	JEIHL-50
51 mm	JEIHL-51
52 mm	JEIHL-52
53 mm	JEIHL-53
54 mm	JEIHL-54
55 mm	JEIHL-55
56 mm	JEIHL-56

SIZE Ø	PART #
57 mm	JEIHL-57
58 mm	JEIHL-58
59 mm	JEIHL-59
60 mm	JEIHL-60
61 mm	JEIHL-61
62 mm	JEIHL-62
63 mm	JEIHL-63
64 mm	JEIHL-64
65 mm	JEIHL-65
66 mm	JEIHL-66
67 mm	JEIHL-67
68 mm	JEIHL-68
69 mm	JEIHL-69
70 mm	JEIHL-70
71 mm	JEIHL-71
72 mm	JEIHL-72
73 mm	JEIHL-73
74 mm	JEIHL-74
75 mm	JEIHL-75
76 mm	JEIHL-76
77 mm	JEIHL-77
78 mm	JEIHL-78
79 mm	JEIHL-79
80 mm	JEIHL-80
81 mm	JEIHL-81
82 mm	JEIHL-82
83 mm	JEIHL-83
84 mm	JEIHL-84
85 mm	JEIHL-85
86 mm	JEIHL-86
87 mm	JEIHL-87
88 mm	JEIHL-88
89 mm	JEIHL-89
90 mm	JEIHL-90
91 mm	JEIHL-91
92 mm	JEIHL-92
93 mm	JEIHL-93
94 mm	JEIHL-94
95 mm	JEIHL-95
96 mm	JEIHL-96
97 mm	JEIHL-97
98 mm	JEIHL-98
99 mm	JEIHL-99
100 mm	JEIHL-100



### SPARE CENTRE SPRING & DRILL

Replacement Pilot Drill & Spring Assembly

- 5 mm Heavy-duty hole saws - JEIHS-PILOT
- 25 mm Heavy-duty hole saws - JEIHS-PILOT
- 50 mm Heavy-duty hole saws - JEIHL-PILOT



# TURBO™ TCT - IMPACT DRIVE HOLE SAWS

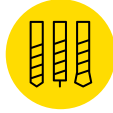
DESIGNED SPECIFICALLY FOR USE IN AN IMPACT DRIVER



Size Range:  
14 mm - 40 mm Ø



Cutting Depth:  
2 mm



Cutter Type:  
TCT



Shank Size:  
1/4" impact



Perfect For:  
Thin materials up to 2 mm thick: Mild steel, stainless steel, brass, aluminium, and copper.



For use with:  
Battery, corded, and pneumatic impact drivers.

PART #	SIZE Ø
JEIHHXX14	14 mm
JEIHHXX15	15 mm
JEIHHXX16	16 mm
JEIHHXX17	17 mm
JEIHHXX18	18 mm
JEIHHXX19	19 mm
JEIHHXX20	20 mm
JEIHHXX21	21 mm
JEIHHXX22	22 mm
JEIHHXX23	23 mm
JEIHHXX24	24 mm
JEIHHXX25	25 mm
JEIHHXX26	26 mm
JEIHHXX27	27 mm
JEIHHXX28	28 mm
JEIHHXX29	29 mm
JEIHHXX30	30 mm
JEIHHXX31	31 mm
JEIHHXX32	32 mm
JEIHHXX33	33 mm
JEIHHXX34	34 mm
JEIHHXX35	35 mm
JEIHHXX36	36 mm
JEIHHXX37	37 mm
JEIHHXX38	38 mm
JEIHHXX39	39 mm
JEIHHXX40	40 mm
JEIHHXX-PILOT	Spare Pilot

2 MM D.O.C

Ø RANGE  
14-40 mm



# COUNTERSINKS FOR MAG DRILLS

## DESIGNED TO PRODUCE A CHAMFER ON PRE-DRILLED HOLES

- ✔ Unequal pitch for a high quality, smooth finish.
- ✔ Minimises cutting force for extended tooling life.

- ✔ Featuring a 19 mm shank to suit most magnetic drills.
- ✔ The 3-flat shank design provides a firm hold in the chuck, resulting in excellent cutting performance.



**Size Range**  
14 mm - 60 mm Ø



**CSK Type**  
Super coated  
TCT



**Max. Tensile Strength**  
<1600RM  
(N/ mm<sup>2</sup>)



**Perfect for**  
Hardox, Weldox,  
armoured plate,  
aircraft steels, &  
Abro plate.



**turbo™ ENDURANCE+**

For the world's toughest materials

PART #	MIN-MAX BODY SIZE / ANGLE
JEIETCSK-50	14-50 mm Ø, 90°
JEIETCSK-60	14-60 mm Ø, 90°



**Size Range**  
14 mm - 60 mm Ø



**CSK Type**  
TCT



**Max. Tensile Strength**  
<1200RM  
(N/ mm<sup>2</sup>)



**Perfect for**  
Mild & structural  
steel, cast iron,  
stainless steel.



**turbo™ TOUGH**

Produce a chamfer on pre-drilled holes

PART #	MIN-MAX BODY SIZE / ANGLE
JEITCSK-50	14-50 mm Ø, 90°
JEITCSK-60	14-60 mm Ø, 90°



**Size Range**  
4 mm - 55 mm Ø



**CSK Type**  
M2-AL (HSS)



**Max. Tensile Strength**  
<900RM  
(N/ mm<sup>2</sup>)



**Perfect for**  
Aluminium, most  
mild, and structural  
steels.



**turbo™ STEEL**

A 19mm shank suits most magnetic drills

PART #	MIN-MAX BODY SIZE / ANGLE
JEICSK-25	4-25 mm Ø, 90°
JEICSK-30	4-30 mm Ø, 90°
JEICSK-40	8-40 mm Ø, 90°
JEICSK-50	10-50 mm Ø, 90°
JEICSK-55	12-55 mm Ø, 90°
JEICSK-55/C	12-55 mm Ø, 60°

BOLT SIZE	COUNTERSINK
M10-M14	JEICSK-25
M16-M18	JEICSK-30
M20-M24	JEICSK-40
M26-M30	JEICSK-50
M31-M35	JEICSK-55



**Size Range**  
4 mm - 55 mm Ø



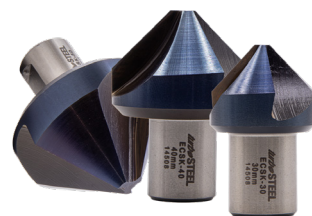
**CSK Type**  
M2-AL Coated  
HSS



**Max. Tensile Strength**  
<1000RM  
(N/ mm<sup>2</sup>)



**Perfect for**  
Aluminium, mild,  
structural steel  
with extended  
tool life.



**turbo™ ENDURANCE**

Turbo™ Endurance Countersinks

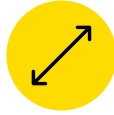
PART #	MIN-MAX BODY SIZE / ANGLE
JEIECSK-25	4-25 mm Ø, 90°
JEIECSK-30	4-30 mm Ø, 90°
JEIECSK-40	8-40 mm Ø, 90°
JEIECSK-50	10-50 mm Ø, 90°
JEIECSK-55	12-55 mm Ø, 90°
JEIECSK-55/C	12-55 mm Ø, 60°



# COUNTERSINKS

## TIN COATED FOR EXTRA TOOL LIFE

THIS CHAMFER TOOL IS DESIGNED WITH AN UNEQUAL PITCH THAT REDUCES VIBRATION DURING THE CUTTING PROCESS. THIS RESULTS IN A HIGH-QUALITY, SMOOTH FINISH, WHICH RESULTS IN LONGER TOOL LIFE. THE UNIQUE DESIGN IS OPTIMISED TO PRODUCE CLEAN CHAMFERS ON PRE-DRILLED HOLES.



**Size Range:**  
6.3 mm - 20.5 mm Ø



**For use with:**  
Hand drills

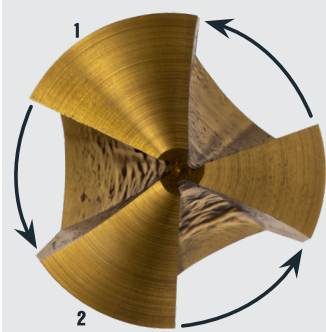


**Perfect for:**  
Mild steel, stainless,  
cast iron, & non-ferrous materials

### Turbo™ Gold Mini Countersinks

TiN coated HSS Mini Countersinks at 90°. Available in six individual sizes.

SIZE Ø	PART #
6.3 mm	JEICKSKM-6.3
8.3 mm	JEICKSKM-8.3
10.4 mm	JEICKSKM-10.4
12.4 mm	JEICKSKM-12.4
16.5 mm	JEICKSKM-16.5
20.5 mm	JEICKSKM-20.5
All sizes listed above	JEICKSKM-SET



TURBO™ GOLD COUNTERSINKS

### UNIQUE UNEQUAL PITCH

To produce a burr-free, smooth finish, and promote longer tool life.



TURBO™ GOLD

## 6 PIECE MINI COUNTERSINK SET

**Part # JEICKSKM-SET**

**Includes:**

- 6.3, 8.3, 10.4, 12.4, 16.5, & 20.5 mm
- Supplied in a plastic case.



# STEP DRILLS

## HSS TIN SPIRAL FLUTED WITH A SPLIT POINT

MANUFACTURED FROM HIGH-QUALITY TURBO™ GOLD HSS M2-AL MATERIAL WITH ADDED TITANIUM NITRATE (TiN) COATING.



**Size Range:**  
5 steps (4-12)  
9 steps (4-20)  
13 steps (6-30)



**Cutter Type:**  
M2-AL (HSS) with  
TiN Coating



**Cutting Thickness:**  
4 mm



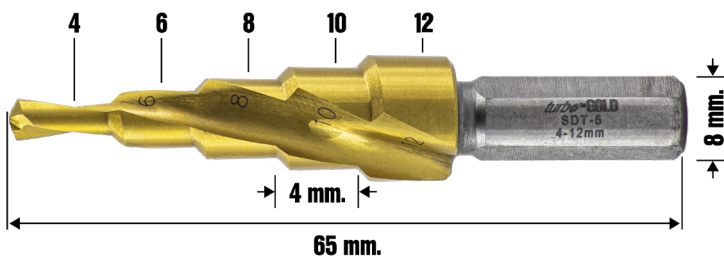
**Max. Tensile Strength:**  
<1100RM (N/mm<sup>2</sup>)  
on steel



**For use with:**  
Battery, corded,  
and pneumatic  
hand drills with a  
chuck



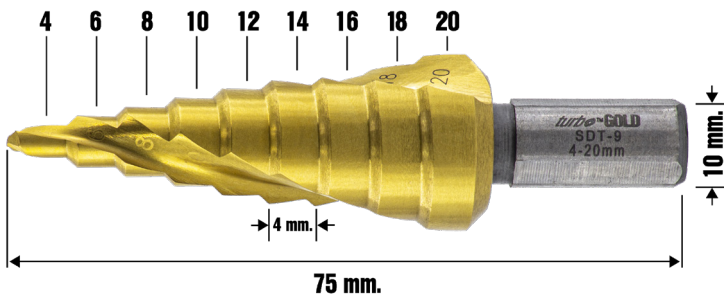
**Perfect for:**  
Mild and stainless  
steel, alloys, and  
plastics



### Turbo™ Gold Spiral Flute HSS with TiN Coating Step Drill - 5 Steps

Five Steps - Min 4 mm | Max 12 mm  
(4, 6, 8, 10, 12 mm)  
Shank size - 8 mm with 3 flats  
Overall length - 65 mm

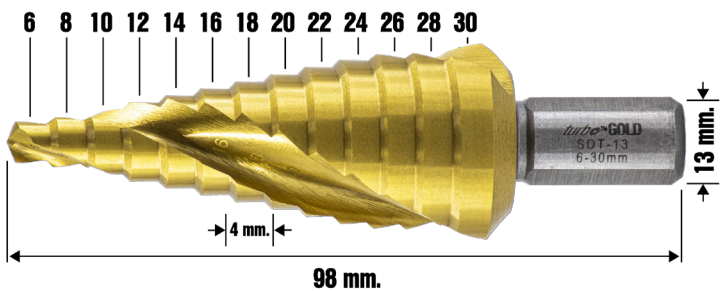
**PART # JEISDT-5.4.12**



### Turbo™ Gold Spiral Flute HSS with TiN Coating Step Drill - 9 Steps

Nine Steps - Min 4 mm | Max 20 mm  
(4, 6, 8, 10, 12, 14, 16, 18, 20 mm)  
Shank size - 10 mm with 3 flats  
Overall length - 75 mm

**PART # JEISDT-9.4.20**



### Turbo™ Gold Spiral Flute HSS with TiN Coating Step Drill - 13 Steps

Thirteen Steps - Min 6 mm | Max 30 mm  
(6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm)  
Shank size - 13 mm with 3 flats  
Overall length - 98 mm

**PART # JEISDT-13.6.30**



TURBO™ GOLD

## SPIRAL STEP DRILL SET

Available as a 3 piece set with a plastic case

**Part # JEISDT-SET3**

- **Five Steps** Min 4 mm | Max 12 mm (4, 6, 8, 10, & 12 mm)
- **Nine Steps** Min 4 mm | Max 20 mm (4, 6, 8, 10, 12, 14, 16, 18, & 20 mm)
- **Thirteen Steps** Min 6 mm | Max 30 mm (4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, & 30 mm)

# MINI CUTTERS

## A MINI ANNULAR BROACHING CUTTER

DESIGNED TO PRODUCE FAST, ACCURATE HOLES IN SHEET METAL MATERIALS, PIPE, AND PLASTICS.



**Size Range:**  
8 mm - 25 mm Ø



**Cutting Depths:**  
6.4mm (for sizes 8-20 mm)  
12.7mm (for sizes 21-25 mm)



**Max. Tensile Strength:**  
<900N/mm<sup>2</sup>



**For use with:**  
Battery, corded, and  
pneumatic hand  
drills with a chuck



**Perfect for:**  
Sheet metals, pipe, and  
plastics

SIZE Ø	PART #
8 mm Ø x 6.4 mm D.O.C.	JEISMC08
9 mm Ø x 6.4 mm D.O.C.	JEISMC09
10 mm Ø x 6.4 mm D.O.C.	JEISMC10
11 mm Ø x 6.4 mm D.O.C.	JEISMC11
12 mm Ø x 6.4 mm D.O.C.	JEISMC12
13 mm Ø x 6.4 mm D.O.C.	JEISMC13
14 mm Ø x 6.4 mm D.O.C.	JEISMC14
15 mm Ø x 6.4 mm D.O.C.	JEISMC15
16 mm Ø x 6.4 mm D.O.C.	JEISMC16
17 mm Ø x 6.4 mm D.O.C.	JEISMC17
18 mm Ø x 6.4 mm D.O.C.	JEISMC18
19 mm Ø x 6.4 mm D.O.C.	JEISMC19
20 mm Ø x 6.4 mm D.O.C.	JEISMC20
21 mm Ø x 6.4 mm D.O.C.	JEISMC21
22 mm Ø x 6.4 mm D.O.C.	JEISMC22
23 mm Ø x 6.4 mm D.O.C.	JEISMC23
24 mm Ø x 6.4 mm D.O.C.	JEISMC24
25 mm Ø x 6.4 mm D.O.C.	JEISMC25

DESCRIPTION	PART #
Arbor assembly for mini cutters 8-20 mm Ø	JEISMS002
Pilot pin for mini cutters 8-20 mm Ø	JEISMS003
Small washer 14.5 X 1.5 mm to suit JEISMS002 arbor	JEISMSSW
Large washer 22.5 X 1.5 mm to suit JEISMS002 arbor	JEISMSLW
Arbor assembly for mini cutters 21-25 mm Ø	JEISML002
Pilot pin for mini cutters 21-25 mm Ø	JEISML003

**TURBO™ MINI CUTTER SET**



**Includes:**

- 8, 10, 12, 14, 16, 18, & 20 mm X 6.4 mm cutters.
- Pilot pins to suit.

**PART # JEISMC-SET**



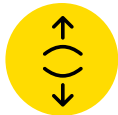
# STRAIGHT SHANK (CAR) REAMERS

THE PERFECT SOLUTION TO CORRECT THE HOLE WHEN THE BOLT DOESN'T FIT

PERFECT FOR POWER DRILLS



Size Range:  
14 mm - 26 mm Ø



Max. Tensile Strength:  
<900N/mm<sup>2</sup>



Shank Size:  
12.7 mm Ø



Perfect for:  
Steel construction,  
bridgework



For use with:  
Battery or corded power drills,  
magnetic drilling machines  
(1/2" chuck)

- ✓ Features a safety collar to avoid slippage of tool.
- ✓ Fits magnetic drilling machines with a Morse taper chuck.
- ✓ Versatile for usage with cordless hand drills.
- ✓ Strong, powerful, and clean finish.



## 3 PIECE TURBO™ CAR REAMER KIT

Part # JEICR-SET3

- Includes:
- 14, 18, and 22 mm.
  - Carry case.

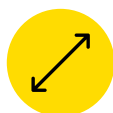


SIZE Ø	MAX HOLE DEPTH	START Ø	FLUTE LENGTH	PART #
14 mm	51 mm	8 mm	102 mm	JEICR14
18 mm	62 mm	9.2 mm	125 mm	JEICR18
22 mm	66 mm	13 mm	132 mm	JEICR22
26 mm	66 mm	17.2 mm	132 mm	JEICR26

# BRIDGE REAMERS

THE PERFECT SOLUTION TO CORRECT THE HOLE WHEN THE BOLT DOESN'T FIT

## 19 MM SHANK BRIDGE REAMERS - IDEAL FOR MAGNETIC DRILLS



**Size Range:**  
14 mm - 32 mm Ø



**Max. Tensile Strength:**  
<900N/mm<sup>2</sup>



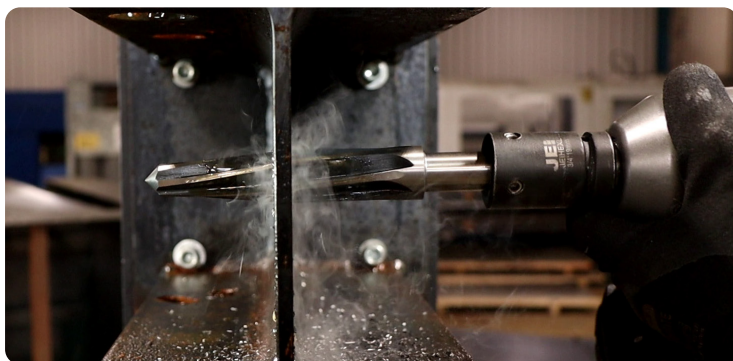
**Shank Size:**  
19.05 mm Ø



**Perfect for:**  
Steel construction,  
bridgework



**For use with:**  
Magnetic drill, Impact  
reamer (with adaptor)



### IMPACT SOCKET ADAPTORS

Our 1/2" and 3/4" drive impact socket adaptors for JEI Turbo™ Bridge Reamers. These reamers and taps have a 19 mm shank designed for use with an impact wrench.

Part # 1/2" JEIHEXS

Part # 3/4" JEIHEXL



SIZE Ø	MAX HOLE DEPTH	START Ø	FLUTE LENGTH	PART #
14 mm	52 mm	7 mm	140 mm	JEITBR14
18 mm	61 mm	9.5 2 mm	165 mm	JEITBR18
20 mm	62 mm	11 mm	178 mm	JEITBR20
22 mm	62 mm	13 mm	178 mm	JEITBR22
24 mm	63 mm	15 mm	178 mm	JEITBR24
26 mm	67 mm	16 mm	178 mm	JEITBR26
28 mm	67 mm	18.5 mm	178 mm	JEITBR28
30 mm	64 mm	21 mm	178 mm	JEITBR30
32 mm	64 mm	22.5 mm	178 mm	JEITBR32

**3 PIECE TURBO™ BRIDGE REAMER KIT**  
Part # JEITBR-SET3

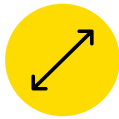
**Includes:** 14, 18, and 22 mm.  
Hex socket adaptors available separately.

**5 PIECE TURBO™ BRIDGE REAMER KIT**  
Part # JEITBR-SET5

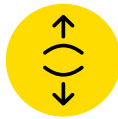
**Includes:** 14, 18, 22, 26, and 32 mm.  
Hex socket adaptors available separately.

# turbo™ STEEL HEX BRIDGE REAMERS

THE PERFECT SOLUTION TO CORRECT THE HOLE WHEN THE BOLT DOESN'T FIT  
FITS DIRECTLY INTO A HEX SOCKET FOR IMPACT WRENCH USE



Size Range:  
14 mm - 39 mm Ø



Max. Tensile Strength:  
<900N/mm<sup>2</sup>



Shank Type:  
Hexagon



Perfect for:  
Steel construction,  
bridgework



For use with:  
Impact wrench  
8000Nm rated



SIZE Ø	PART #	MAX HOLE DEPTH	START Ø	FLUTE LENGTH	HEX SIZE
14 mm	JEIHR14	50 mm	7 mm	140 mm	24 mm
18 mm	JEIHR18	58 mm	9.5 2 mm	165 mm	24 mm
20 mm	JEIHR20	58 mm	11 mm	171 mm	36 mm
22 mm	JEIHR22	65 mm	13 mm	171 mm	36 mm
24 mm	JEIHR24	65 mm	14.5 mm	171 mm	41 mm
26 mm	JEIHR26	60 mm	16 mm	171 mm	41 mm
30 mm	JEIHR30	60 mm	20.5 mm	171 mm	41 mm
32 mm	JEIHR32	63 mm	22.5 mm	171 mm	46 mm
33 mm	JEIHR33	57 mm	23.5 mm	171 mm	46 mm
36 mm	JEIHR36	57 mm	26 mm	200 mm	46 mm
39 mm	JEIHR39	57 mm	29 mm	200 mm	50 mm

### 3 PIECE TURBO™ HEX REAMER KIT

Includes:

14, 18, & 22 mm.



PART # JEIHR-SET3

### 5 PIECE TURBO™ HEX REAMER KIT

Includes:

14, 18, 22, 26,  
& 32 mm.



PART # JEIHR-SET5

### HEX SOCKET ADAPTORS

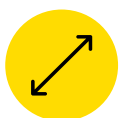
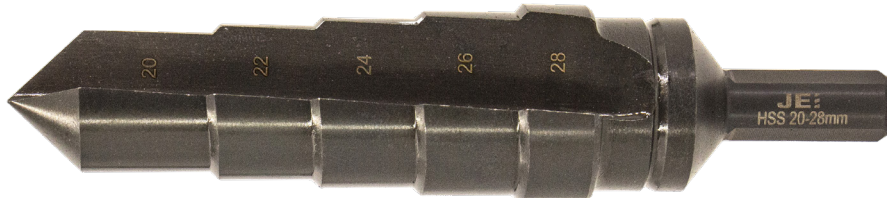
Ideal for using with an impact wrench for bolting purposes. Can be used to mount Hex Bridge Reamers for aligning holes in steel.



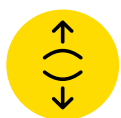
# turbo™ STEEL STEP REAMERS

THE PERFECT SOLUTION TO CORRECT THE HOLE WHEN THE BOLT DOESN'T FIT  
STEP REAMERS - MULTIPLE SIZE HOLE MAKING WITH JUST ONE TOOL

STEP REAMERS



Size Range:  
8 mm - 28 mm Ø



Max. Tensile Strength:  
<900N/mm<sup>2</sup>



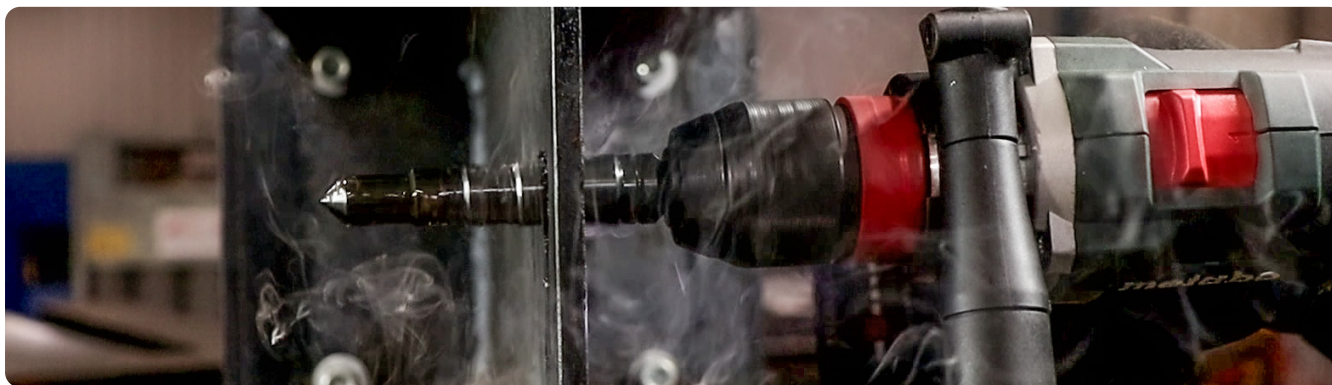
Shank Size:  
10 mm Ø



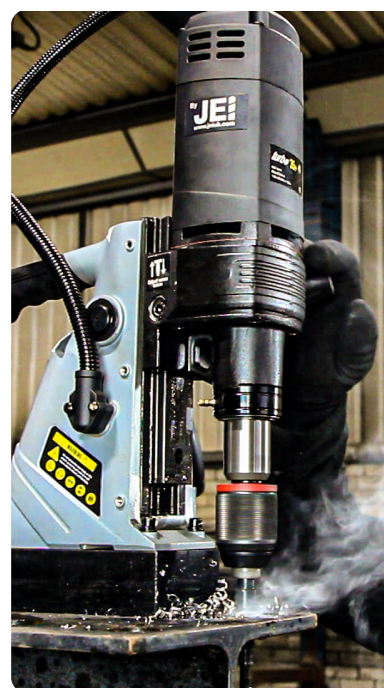
Perfect for:  
Steel construction,  
bridgework



For use with:  
Battery or corded power drills,  
magnetic drilling machines  
with adaptor.



- ✓ Create and enlarge holes with minimum power and effort.
- ✓ Faster and more versatile than traditional drilling methods.
- ✓ Allows a number of popular hole sizes with one cutting tool.
- ✓ Adaptable for use with many types of drilling tools.
- ✓ Many industrial uses.



turbo™ STEEL

## 3 PIECE TURBO™ STEP REAMER KIT

Part # JEISR-SET3

Includes:

- 8-16 mm
- 14-22 mm
- 20-28 mm



Magnetic Drill adaptor:

Part # JEITD-A10

SIZE Ø	CUTTING Ø	MAX CUTTING	FLUTE LENGTH	PART #
8-16 mm	8, 10, 12, 14, 16 mm	12 mm	78 mm	JEISR-8/16MM
14-22 mm	14, 16, 18, 20, 22 mm	12 mm	81 mm	JEISR-14/22MM
20-28 mm	20, 22, 24, 26, 28 mm	12 mm	81 mm	JEISR-20/28MM



# turbo™ STEEL TWIST DRILLS

AN IDEAL SOLUTION FOR DRILLING HOLES



Size Range:  
1 - 13 mm Ø



Perfect For:  
Aluminium, most mild  
steel, and structural  
steel.



Shank Size:  
10 mm Ø



**HSS TWIST DRILL SET**  
25 PIECE TWIST DRILL SET

SET CONTENTS  
Min - 1 mm | Max - 13 mm

- (1/1.5/2/2.5/3/3.5
- /4/4.5/5/5.5/6
- /6.5/7/7.5/8
- /8.5/9/9.5/10
- /10.5/11/11.5/12
- /12.5/13 mm)

- ✓ Precision-ground finish with a top angle of 130° and a specially designed split-point tip.
- ✓ 1 mm - 13 mm (in 0.5 mm increments).
- ✓ For drilling bronze, brass, carbon steel, cast iron, alloy steel, and stainless steel.
- ✓ Crafted from premium-grade M2 high-speed steel for exceptional hardness, heat resistance, and edge retention.



TURBO™ STEEL

## 25 PIECE TURBO™ HSS TWIST DRILL SET

Part # - JEITWD-SET

Includes:

- 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5,
- 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13 mm
- Supplied in a plastic case.

Cutter Ø	Part #
1 mm	JEITWD-1 MM
1.5 mm	JEITWD-1.5 MM
2 mm	JEITWD-2 MM
2.5 mm	JEITWD-2.5 MM
3 mm	JEITWD-3 MM
3.5 mm	JEITWD-3.5 MM
4 mm	JEITWD-4 MM
4.5 mm	JEITWD-4.5 MM
5 mm	JEITWD-5 MM
5.5 mm	JEITWD-5.5 MM
6 mm	JEITWD-6 MM
6.5 mm	JEITWD-6.5 MM
7 mm	JEITWD-7 MM
7.5 mm	JEITWD-7.5 MM
8 mm	JEITWD-8 MM
8.5 mm	JEITWD-8.5 MM
9 mm	JEITWD-9 MM
9.5 mm	JEITWD-9.5 MM
10 mm	JEITWD-10 MM
10.5 mm	JEITWD-10.5 MM
11 mm	JEITWD-11 MM
11.5 mm	JEITWD-11.5 MM
12 mm	JEITWD-12 MM
12.5 mm	JEITWD-12.5 MM
13 mm	JEITWD-13 MM

# TWIST DRILLS - 19 MM SHANK

## HOLES WITHOUT NEEDING A CHUCK

THE TURBO<sup>TM</sup> HSS TWIST DRILLS, FEATURING A TWO-PIECE DESIGN WITH A 19MM SHANK, CAN BE USED WITH JEI'S MAGNETIC DRILL RANGE AS WELL AS THOSE OF OTHER MANUFACTURERS. THESE DRILLS MAKE AN IDEAL CHOICE FOR USE WITH JEI'S MINIBEAST<sup>TM</sup>.

- ✓ High quality HSS tool life.
- ✓ Features a special flat to fit into an adaptor.
- ✓ Perfect for use in JEI's MiniBeast

TWIST DRILL SIZE	PART #
5 mm	JEITD-05
6 mm	JEITD-06
6.8 mm	JEITD-06.8
7 mm	JEITD-07
8 mm	JEITD-08
8.5 mm	JEITD-08.5
9 mm	JEITD-09
10 mm	JEITD-10
10.3 mm	JEITD-10.3
11 mm	JEITD-11
12 mm	JEITD-12
4 Piece Set (6, 8, 10, & 12 mm)	JEITD-SET
5 Piece Set (6, 7, 8, 10, & 12 mm)	JEITD-SETS5

Supplied with 19 mm shank, 65 mm flute length.

\*To remove the drill from the adaptor, remove both screws with an allen key.



### 4 & 5 PIECE TURBO<sup>TM</sup> TWIST DRILL SETS

**Part # JEITD-SET**

**Includes:**

- 6, 8, 10, & 12 mm Ø on a 19 mm shank.
- Black plastic case.

**Part # JEITD-SET 5**

**Includes:**

- 6, 7, 8, 10, & 12 mm Ø on a 19 mm shank.
- Black plastic case.



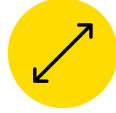
#### Spare replacement drills only:

PART #	Ø X Flute Length
JEITD-D06	6 mm X 65 mm
JEITD-D07	7 mm X 65 mm
JEITD-D08	8 mm X 65 mm
JEITD-D09	9 mm X 65 mm
JEITD-D10	10 mm X 65 mm
JEITD-D11	11 mm X 65 mm
JEITD-D12	12 mm X 65 mm

# turbo™ STEEL TURBO™ M-TAPS

**A BOLT-READY THREAD FOR PRE-EXISTING HOLES.**

A FAST, EFFECTIVE, AND ECONOMICAL WAY TO CREATE BOLT-READY THREADS IN EXISTING HOLES.



Size Range:  
M8 - M20



Shank size:  
19.05 mm



For use with:  
Magnetic Drill (with reverse function),  
Impact wrench (8000N rated)



- ✓ Versatile for use in any mag drill with reverse and variable speed control.
- ✓ Can be used with an impact wrench (with an adaptor) to tap through 12 mm depth.
- ✓ Available in sizes ranging from M8 - M30.
- ✓ 19mm shank fits into the cutter arbor.
- ✓ Ideal for use with JEI mag drills HM50T and HM100T.
- ✓ For through holes only.

## TURBO M-TAP

PART #	TAP SIZE X THREAD PITCH	MAX DRILLING/ TAPPING DEPTH
JEITAPM8	M8 X 1,25	17 mm
JEITAPM10	M10 X 1,5	20 mm
JEITAPM12	M12 X 1,75	20 mm
JEITAPM14	M14 X 2	18 mm
JEITAPM16	M16 X 2	20 mm
JEITAPM18	M18 X 2,5	20 mm
JEITAPM20	M20 X 2,5	25 mm
JEITAPM24	M24 X 3	26 mm
JEITAPM27	M27 X 3	29 mm
JEITAPM30	M30 X 3,5	31 mm

## DRILL & TAP IN ONE

PART #	TAP SIZE X THREAD PITCH
JEIDT08	M8 X 1,25
JEIDT10	M10 X 1,5
JEIDT12	M12 X 1,75
JEIDT14	M14 X 2
JEIDT16	M16 X 2
JEIDT18	M18 X 2,5
JEIDT20	M20 X 2,5
JEIDT22	M22 x 2,5
JEIDT24	M24 X 3
JEIDT27	M27 X 3
JEIDT30	M30 X 3,5



## TAP HOLDERS (19mm Shank)

PART #	TAP SIZE	SHANK SIZE (ROUND)
JEITH-M8	M8	6 mm Ø
JEITH-M10	M10	7 mm Ø
JEITH-M12	M12	9 mm Ø
JEITH-M14	M14	11 mm Ø
JEITH-M16	M16	12 mm Ø
JEITH-M18	M18	14 mm Ø
JEITH-M20	M20	16 mm Ø
JEITH-M22/24	M22-24	18 mm Ø
JEITH-M27	M27	18 mm Ø
JEITH-M30	M30	22 mm Ø

## Tapped hole size cutter solutions

PART #	DESCRIPTION	TO SUIT JEI M-TAP
JEITD-6.8	6.8 mm Twist Drill	JEITAP-M8
JEITD-8.5	8.2 mm Twist Drill	JEITAP-M10
JEITD-10.3	10.3 mm Twist Drill	JEITAP-M12
JEICS12-P1	12 mm X 1" Cutter	JEITAP-M14
JEICS14-P1	14 mm X 1" Cutter	JEITAP-M16
JEICS15.5	15.5 mm X 1" Cutter	JEITAP-M18
JEICS17.5	17.5 mm X 1" Cutter	JEITAP-M20
JEICS21	21 mm X 1" Cutter	JEITAP-M24
JEICS24	24 mm X 1" Cutter	JEITAP-M27
JEICS26.5	26.5 mm X 1" Cutter	JEITAP-M30

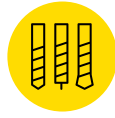
# turbo™ TOUGH CARBIDE BURRS

## DOUBLE CUT CARBIDE ROTA-BURRS.

FOR CUTTING, SHAPING, GRINDING, AND REMOVAL OF SHARP EDGES, BURRS, AND EXCESS MATERIAL.



**Shank size:**  
6 mm Ø



**Cutter Type:**  
Carbide



**Perfect for:**  
Cast iron, mild and stainless steel, and wear plates

- ✔ Designed for rapid stock removal.
- ✔ For deburring and polishing edges.
- ✔ Suitable for cleaning weld seams.
- ✔ Suitable for cast iron, mild steel, stainless steel, & wear plates.
- ✔ Multiple shapes and profiles available for all applications.



**Arc Pointed Tree Double Cut Carbide Burr**  
Use for rounding off edges and making concave cuts. Use the pointed end for cutting in hard-to-reach areas and acute angles contours.



**Ball Nose Cone Double Cut Carbide Burr**  
Ideal for rounded edges and surface finishing in areas of restricted access.



**Ball Nose Double Cut Carbide Burr**  
Cylindrical burr with a ball end for working on surfaces, contours, and radiuses.



**Ball Nose Tree Double Cut Carbide Burr**  
Ideal for rounding off edges and making concave cuts on narrow contours.



**Cylinder Ball Double Cut Carbide Burr**  
Use to create concave cuts or to shape and hollow out an area.



**Flame Double Cut Carbide Burr**  
Ideal for channel work and shaping.



**Straight Cylinder Double Cut Carbide Burr Without End Cut**  
Ideal for contour finishing and right angled corners.

BURR SIZE	PART NUMBER
6 mm X 18 mm	JEITCB-G0618
12 mm X 25 mm	JEITCB-G1225

BURR SIZE	PART NUMBER
12 mm X 28 mm	JEITCB-L1228

BURR SIZE	PART NUMBER
6 mm X 16 mm	JEITCB-C0616
8 mm X 20 mm	JEITCB-C0820
10 mm X 20 mm	JEITCB-C1020
12 mm X 25 mm	JEITCB-C1225

BURR SIZE	PART NUMBER
6 mm X 18 mm	JEITCB-F0618
10 mm X 20 mm	JEITCB-F1020
12 mm X 25 mm	JEITCB-F1225

BURR SIZE	PART NUMBER
6 mm X 5 mm	JEITCB-D0605
10 mm X 9 mm	JEITCB-D1009
12 mm X 10 mm	JEITCB-D1210

BURR SIZE	PART NUMBER
10 mm X 25 mm	JEITCB-H1025
12 mm X 32 mm	JEITCB-H1232

BURR SIZE	PART NUMBER
6 mm X 16 mm	JEITCB-A0616
10 mm X 20 mm	JEITCB-A1020
12 mm X 25 mm	JEITCB-A1225

### 5 PIECE SET

Part # JEITCB-SET5

- Ball Nose Cylinder 8 x 10 mm (JEITCB-C0820)
- Ball Nose Cylinder 10 x 20 mm (JEITCB-C1020)
- Ball Nose Tree 10 x 20 mm (JEITCB-F1020)
- Standard Tree 12 x 25 mm (JEITCB-G1225)
- Ball Nose Cone 12 x 28 mm (JEITCB-L1228)

### 10 PIECE SET

Part # JEITCB-SET10

- Straight Cylinder 10 x 20 mm (JEITCB-A1020)
- Straight Cylinder 12 x 25 mm (JEITCB-A1225)
- Ball Nose Cylinder 10 x 20 mm (JEITCB-C1020)
- Cylinder Ball 10 x 9 mm (JEITCB-D1009)
- Oval Burr 12 x 20 mm (JEITCB-E1220)
- Ball Nose Tree 12 x 25 mm (JEITCB-F1225)
- Standard Tree 10 x 20 mm (JEITCB-G1020)
- Flame 10 x 25 mm (JEITCB-H1025)
- Flame 12 x 32 mm (JEITCB-H1232)
- Ball Nose Cone 12 x 28 mm (JEITCB-L1228)

# INDUSTRIAL ARBORS

**EASILY CONVERT YOUR DRILL PRESS, MILL, LATHE, OR CNC MACHINE TO ACCEPT CUTTERS.**

INDUSTRIAL ARBORS BOOST CUTTING SIZE UP TO THREE TIMES STANDARD DRILLS AND FIT MOST MAG DRILLS WITH A MORSE TAPER—IDEAL AS SPARES OR REPLACEMENTS

## MORSE TAPER SLEEVES

PART #	DESCRIPTION
JEIMTS-2-1	Morse taper sleeve: 2MT to 1MT reducer
JEIMTS-3-1	Morse taper sleeve: 3MT to 1MT reducer
JEIMTS-3-2	Morse taper sleeve: 3MT to 2MT reducer
JEIMTS-4-2	Morse taper sleeve: 4MT to 2MT reducer
JEIMTS-4-3	Morse taper sleeve: 4MT to 3MT reducer
JEIMTS-5-3	Morse taper sleeve: 5MT to 3MT reducer
JEIMTS-5-4	Morse taper sleeve: 5MT to 4MT reducer



## STANDARD WITHOUT EXTERNAL COOLING RING

PART #	DESCRIPTION
JEIARBOR-2MT	2MT arbor for 19 mm cutters
JEIARBOR-3MT	3MT arbor for 19 mm cutters
JEIARBOR-4MT	4MT arbor for 19 mm cutters
JEIARBOR-3MT/32	3MT arbor for 1-1/4" (31.75 mm) cutters
JEIARBOR-4MT/32	4MT arbor for 1-1/4" (31.75 mm) cutters
JEIARBOR-5MT/32	5MT arbor for 1-1/4" (31.75 mm) cutters



## WITH EXTERNAL COOLANT RING

PART #	DESCRIPTION
JEIARBOR-2MTC	2MT cutter arbor with external coolant ring for 19 mm shank cutters
JEIARBOR-3MTC	3MT cutter arbor with external coolant ring for 19 mm shank cutters
JEIARBOR-4MTC	4MT cutter arbor with external coolant ring for 19 mm shank cutters
JEIARBOR-3MT/32C	3MT cutter arbor with external coolant ring for 1-1/4" 31.75 mm shank cutters
JEIARBOR-4MT/32C	4MT cutter arbor with external coolant ring for 1-1/4" 31.75 mm shank cutters
JEIARBOR-5MT/32C	5MT cutter arbor with external coolant ring for 1-1/4" 31.75 mm shank cutters



## QUICK CHANGE MORSE TAPER CUTTER ADAPTOR

PART #	DESCRIPTION
JEIARBOR2MTC-QR	2MT quick-release industrial arbor
JEIARBOR3MTC-QR	3MT quick-release industrial arbor



# CUTTER EXTENSIONS

**DESIGNED TO INCREASE THE CUTTING REACH OF YOUR MAGNETIC DRILLING MACHINE.**

PERFECT FOR HARD-TO-REACH AREAS AND BOX SECTIONS. REQUIRES A MINIMUM 35 MM HOLE WHEN PASSING THE ARBOR EXTENSION THROUGH AN EXISTING OPENING.



- ✓ Ideal for hard-to-reach areas and drilling through hollow box sections.
- ✓ Available in five lengths (25–150 mm), which can be stacked for extra reach.
- ✓ Extend a cutter through an existing hole or over the edge of material.
- ✓ Supplied on a 3/4" shank to fit directly into your mag drill's arbor.

## WHY CHOOSE CUTTER EXTENSIONS?

Available in five cutting lengths, 25 mm, 50 mm, 75 mm, 100 mm, and 150 mm which can be stacked together to form a longer extension if required.



PART #	DESCRIPTION
JEICE-25	25 mm Cutter Extension
JEICE-50	50 mm Cutter Extension
JEICE-75	75 mm Cutter Extension
JEICE-100	100 mm Cutter Extension
JEICE-150	150 mm Cutter Extension

# CUTTER ADAPTORS

**A VERSATILE SOLUTION FOR USING CUTTERS IN MAGNETIC DRILLING MACHINES.**

Lets any annular broaching cutter work with all mag drill makes. JEI adaptors provide a cost-effective way to use every type of annular cutter in any machine.



PART #	DESCRIPTION
JEIADPT-19/32	Cutter adaptor converts a 19 mm arbor to 1-1/4" shank cutters. Max cutter diameter: 100 mm   Extension length: 25 mm. Also works as an add-on to standard cutter extensions.
JEIADPT-32/19	Reduction ring: converts 1-1/4" arbor to 19 mm shank cutters.
ST02	19 mm shank adaptor for 13 mm chuck on mag drills.
JEIADPT-1/2	Turbo Steel Adaptor, 1/2" for chuck to 19 mm



# MAGNETIC SWarf REMOVAL

PART #	DESCRIPTION
JEIMB-S	Mag Brush Mini (Small) 240 mm × 16 × 102 mm
JEIMB-M	Mag Brush Midi (Medium) 385 mm × 25 × 175 mm
JEIMB-L	Mag Brush Maxi (Large) 1008 mm × 25 × 175 mm
JEIMB-F	Magnetic Floor Sweeper

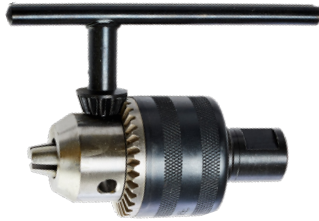


# CHUCK & ADAPTOR KITS

## CONVERTS ANY MAG DRILL TO ACCEPT TWIST DRILLS

ADD TWIST DRILLS TO YOUR MAG DRILL WITH CHUCK AND ADAPTOR KITS – 13 MM TO 19 MM CAPACITY.

### 13MM CHUCK & KEY WITH 19MM SHANK ADAPTOR



JEICA-13MM/19

- ✔ Add twist drills to your mag drill with chuck and adaptor kits - 13 mm to 19 mm capacity.
- ✔ 13mm twist drill capacity.
- ✔ 19mm shank adaptor.
- (Part # ST02 - also available separately)
- ✔ Ideal for use with JEI's MagBeast® HM40EX and Turbo 35+

### 13MM KEYLESS CHUCK WITH 19MM SHANK ADAPTOR



JEICA-13MM/19QR

- Keyless chuck and 19 mm shank adaptor kit allows twist drills to be used directly in a magnetic drilling machine.
- ✔ 13mm twist drill capacity.
  - ✔ 19mm shank adaptor (Part # ST02 - available separately).

### 2MT CHUCK AND ADAPTOR



JEICA-2MT

A chuck and 2 Morse taper adaptor kit to fit directly into a 2MT magnetic drilling machine, to enable the use of twist drills in the mag drill.

- ✔ 13mm twist drill capacity.
- ✔ 2 Morse taper adaptor.
- ✔ Ideal for use with JEI's MagBeast® HM50 range & PRO52T

### 3MT CHUCK AND ADAPTOR



JEICA-3MT

A chuck and 3 Morse taper adaptor kit to fit directly into a 3MT magnetic drilling machine, to enable the use of twist drills in the mag drill.

- ✔ 19mm twist drill capacity.
- ✔ 3 Morse taper adaptor.
- ✔ Ideal for use with JEI's HM100 range, PRO72T and PRO122T

### 4MT CHUCK AND ADAPTOR



JEICA-4MT

A chuck and 4 Morse taper adaptor kit to fit directly into a 4MT magnetic drilling machine, to enable the use of twist drills in the mag drill.

- ✔ 19mm twist drill capacity.
- ✔ 4 Morse taper adaptor.
- ✔ Ideal for use with JEI's MagBeast® PRO152T and HM140T

### 19MM CHUCK ADAPTOR



ST02

19mm shank adaptor to convert a 13mm chuck for use in a magnetic drilling machine.



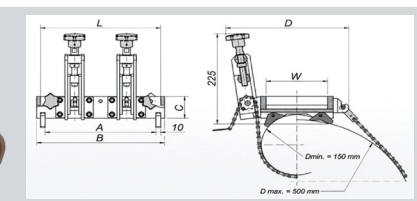
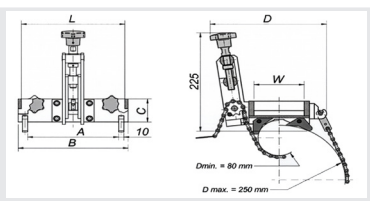
# CHAIN BASES FOR PIPE

**A SIMPLE, EFFECTIVE WAY TO DRILL PIPE AND TUBE WITH MAG DRILLS**

CHAIN CLAMPING SYSTEM SECURES THE MACHINE FOUR VERSIONS AVAILABLE FOR PIPES OVER 80 MM Ø

CHAIN BASES FOR PIPE

PART #	COMPATIBLE JEI MODELS	L (MM) FOR MAGNET BASE	W (MM) FOR MAGNET BASE	MIN. PIPE Ø	MAX. PIPE Ø	A (MM) MIN.PIPE LENGTH	B (MM) OVERALL LENGTH	C (MM) MAGNET BASE DEPTH	D (MM) OVERALL WIDTH
JEICB-S	Minibeast, Minibeast Auto, Minibeast Cordless, Turbo 35+, Midibeast, PRO52T, PRO72T	205	95	80 mm	250 mm as supplied. Extra chain available for larger diameters	181	217	52.5	221
JEICB-M	HM-40EX, HM-40, HM-50, HM-50T.	205	95	80 mm	250 mm as supplied. Extra chain available for larger diameters	181	21	52.5	221
JEICB-L	PRO122-T	258	130	150 mm	500 mm as supplied. Extra chain available for larger diameters	234	270	52.5	260
JEICB-XL	HM-100, HM-100T, PRO-152T	258	130	150 mm	500 mm as supplied. Extra chain available for larger diameters	234	270	52.5	260



JEICB-18 Extra chain

# VAC PADS

**ENABLES DRILLING ON NON-MAGNETIC, CURVED, OR THIN SURFACES**

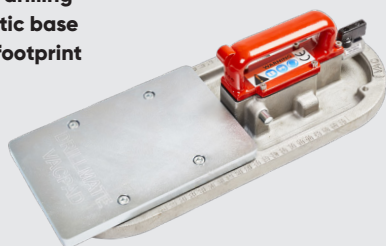
VAC PADS

THE VAC PAD ENABLES MAGNETIC DRILLING MACHINES TO EFFECTIVELY OPERATE ON NON-FERROUS MATERIAL, PROVIDING THE ABILITY TO DRILL ON NON-MAGNETIC, CURVED OR THIN SURFACES.

- ✔ Requires compressed air pressure (maximum 120 PSI).
- ✔ 2 sizes available to cover the complete JEI range of magnetic drilling machines.
- ✔ The large Vac Pad allows smaller machines to drill in multiple positions without moving fixture.

## STANDARD VAC PAD

Use with any magnetic drilling machine with a magnetic base dimensions within the footprint size.

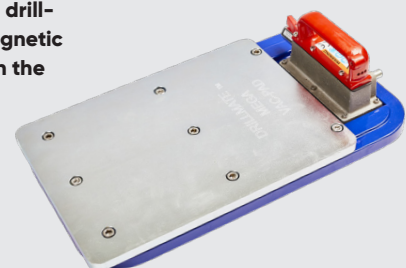


Dimensions:  
200 mm x 135 mm

Part # JEIVPAD

## LARGE VAC PAD

Use with any magnetic drilling machine with a magnetic base dimensions within the footprint size.



Dimensions:  
300 mm x 250 mm

Part # JEIVPAD-L

# TURBO® 35+

A NEW ECONOMICAL, LIGHTWEIGHT MAGNETIC DRILLING SOLUTION FROM JEI. DESIGNED FOR ACCURATE, PRACTICAL HOLE MAKING WITH TCT & HSS CUTTERS

**SLEEK, LIGHTWEIGHT, AND VERSATILE, WITH A LONGER REACH THAN OTHER MACHINES IN ITS SIZE RANGE.**

Our latest, economical solution is efficiently designed for accurate, hole making with both TCT and HSS cutters. Sleek, lightweight, and versatile, the Turbo™ 35+ provides a practical solution with its added benefit of an adjustable lockable motor, providing a longer cutting reach than other machines in its size range.

- ✔ Fully adjustable and lockable motor slide for added versatility of use.
- ✔ Modern moulded shape with easy access open handle.
- ✔ 1100 Watt Powerful Motor.
- ✔ Large Capacity Coolant tank.
- ✔ Maximum stroke of 210mm allowing for drilling depths of up to 150mm.
- ✔ Can be used with 13mm chuck and adaptor set (JEICA-13MM/19).
- ✔ Supplied in hardened carry case.



## SPECIFICATIONS

Motor Power	1100 W
Weight	10.5 kg
Max cutter capacity	35 mm
Max twist drill capacity	13 mm (with chuck)
Countersink Capacity	30 mm
Stroke	210 mm
Max depth of cut	150 mm
Motor Speeds (under load)	No load 720 rpm   Loaded 450 rpm
Magnet Dead lift	1000 kg (9600 N) on 25 mm plate
Length x Width x Height	275 x 181 x 375/ 580 mm
Vibration Level	< 2.5 m/s <sup>2</sup>
Noise Level	< 90dB
Part #	110 V DRILL-T35/1   240 V DRILL-T35/2

# WHY THE TURBO 35+?



Lightweight at only 9.5 kg

Streamlined motor cable housing

Fully adjustable lockable motor slide

210 mm stroke allows for 150 mm DOC

Modern ergonomic design

Powerful 1100 W motor



## TURBO 35+ STARTER KITS

### TURBO 35+ HSS KIT

- ✔ Turbo 35+ drill (110v or 240v)
- ✔ 13 mm chuck and adaptor
- ✔ 3 piece turbo steel m2al (HSS) 14, 18, & 22 mm (1" DOC)



Part # DRILL-T35-CSET/1 110 V | DRILL-T35-CSET/2 240 V

### TURBO 35+ TCT KIT

- ✔ Turbo 35+ drill (110v or 240v)
- ✔ 13 mm chuck and adaptor
- ✔ 3 piece turbo tough (TCT) 14, 18, & 22 mm (1" DOC)



Part # DRILL-T35-TCSET/1 110 V | DRILL-T35-TCSET/2 240 V

# MINIBEAST™

## THE ORIGINAL BEST SELLER

WITH OVER 20 YEARS OF PROVEN PERFORMANCE, JEI'S FLAGSHIP MINIBEAST™ MAGNETIC DRILLING MACHINE HAS ESTABLISHED ITSELF AS THE LEADING MINI MAGNETIC DRILL IN THE UK.

### MINIBEAST™

JEI Solutions' flagship magnetic drill, the MiniBeast™, delivers a compact, lightweight, and highly portable, yet powerful drilling solution.

Weighing just 10 kg, this compact, portable mag drill is ideal for both on-site and workshop use.

Combining smart features with a small footprint and impressive power, the MiniBeast™ has become a trusted and popular choice among steel fabricators.



### SPECIFICATIONS

- ✓ Compact size and weight makes it ideal for site work.
- ✓ Internal coolant tank ensures cutter remains cool throughout drilling process.
- ✓ Self-correcting slide rails for maintenance-free operation.
- ✓ Lightweight at only 10 kg.
- ✓ Hidden motor cable for added protection.
- ✓ Left or right handed operation.

Motor Power	1010 W
Weight	10 kg
Max cutter capacity	35 mm Ø x 2" D.O.C.
Max twist drill capacity	13 mm (with optional Turbo Twist Drills)
Countersink Capacity	30 mm
Stroke	210 mm
Max depth of cut	50 mm
Motor Speeds (under load)	No load 520 rpm   Loaded 350 rpm
Magnet Dead lift	980 kg (9600 N) on 25 mm plate
Length x Width x Height	260 x 166 x 307/377 mm
Vibration Level	< 2.5 m/s <sup>2</sup>
Noise Level	< 90dB
Part #	110 V DRILL-19041   240 V DRILL-19042

## MAGSLOT® 20-X

## MAGSLOT® 20-XY



**A REVOLUTIONARY SOLUTION FROM JEI FOR CREATING SLOTS IN STEEL. WITH ALL NEW DUAL-AXIS CAPABILITIES.**

### Magslot 20X

The Magslot 20X is a unique solution for milling slots in steel. Featuring a precision X-axis slide, it allows accurate lateral movement for producing clean, controlled slots without the need for a larger milling machine. Compact, practical, and easy to set up, the 20X expands on-site capability beyond standard hole cutting.



### Magslot 20-XY

Building on the success of the 20X, the Magslot 20-XY adds a dual cross-slide system for full X and Y axis control. This enhanced flexibility enables more precise slotting and controlled material removal, which makes the 20-XY a highly versatile portable milling solution for fabrication and site work.



### HSS END MILLS

PART #	DESCRIPTION
JEIEM-10MM	END MILL, HSS STD, 10MM
JEIEM-12MM	END MILL, HSS STD, 12MM
JEIEM-14MM	END MILL, HSS STD, 14MM
JEIEM-16MM	END MILL, HSS STD, 16MM
JEIEM-18MM	END MILL, HSS STD, 18MM
JEIEM-20MM	END MILL, HSS STD, 20MM



### COBALT END MILLS

PART #	DESCRIPTION
JEIEM-3MM/C	END MILL, CO8 COBALT STD, 3MM
JEIEM-4MM/C	END MILL, CO8 COBALT STD, 4MM
JEIEM-5MM/C	END MILL, CO8 COBALT STD, 5MM
JEIEM-6MM/C	END MILL, CO8 COBALT STD, 6MM
JEIEM-8MM/C	END MILL, CO8 COBALT STD, 8MM
JEIEM-10MM/C	END MILL, CO8 COBALT STD, 10MM
JEIEM-12MM/C	END MILL, CO8 COBALT STD, 12MM



## SPECIFICATIONS

	Magslot 20 X	Magslot 20 XY
Motor Power	1100 W	1100 W
Weight	20 kg	24 kg
Maximum Slot	20 mm Ø	20 mm Ø
Maximum Slot Length	110 mm	115 mm
Max depth of cut	10 mm	10 mm
Magnet Dead lift	980 kg (9600 N) on 25 mm plate	980 kg (9600 N) on 25 mm plate
Length x Width x Height	260 x 166 x 307/377 mm	260 x 400 x 307/377 mm
Vibration Level	< 2.5 m/s <sup>2</sup>	< 2.5 m/s <sup>2</sup>
Noise Level	< 90dB	< 90dB
Part # 110 V	DRILL-MAGSL/1	DRILL-MAGSL/XY
Part # 240 V	DRILL-MAGSL/2	DRILL-MAGSL/XY2



**MINIBEAST™ CORDLESS  
BATTERY-OPERATED, COMPACT  
MAGNETIC DRILLING MACHINE.**



The MiniBeast™ Cordless is a compact, battery-powered magnetic drilling machine for fast, precise holemaking. With an integrated LED monitoring system, it provides clear green/red status indicators, giving operators real-time feedback for safer, more controlled drilling. This allows fast, clear communication between the machine and the operator, particularly in emergency situations.

**SPECIFICATIONS**

Weight	11.5 kg
Max Stroke	70 mm
Cutter Capacity	36 mm Ø x 2" D.O.C
Twist Drill Capacity	12 mm with optional Turbo™ Twist Drill
Motor	450 W
RPM	300 rpm (Under Load)
Length x Width x Height	316 x 235 x 330/370 mm
Magnet Deadlift	866 Kg on 1" Plate (8600 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part Number	DRILL-MBC

**MINIBEAST™ ULTRA  
ALL THE POWER OF MINIBEAST,  
FOR MORE DEMANDING  
HOLE MAKING.**



The MiniBeast™ ULTRA features a permanent Safe-Base magnet with switchable holding force, it delivers secure positioning and reliable performance, even in power-loss situations, while maintaining the compact, portable design fabricators trust.

**SPECIFICATIONS**

Weight	14 kg
Cutter Capacity	36 mm Ø x 35 mm DOC
Countersink Capacity	30 mm
Twist Drill Capacity	12 mm with Turbo Twist Drills
Tapping Capacity	70 mm
Reaming Capacity	1000 mm
Motor	1020 W
RPM	Loaded 350 rpm
Spindle	19 mm
Length x Width x Height	260 x 166 x 307 / 377 mm
Magnet Dead lift	600 kg on 1" Plate (6000 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	DRILL-MBU1

## MINIBEAST™ AUTO MORE HOLES IN LESS TIME



The MiniBeast™ Auto combines the compact power of the MiniBeast™ with automatic drilling for faster, more efficient hole cutting. Designed to reduce operator effort, it delivers consistent results and increased productivity in a lightweight, portable package.

### SPECIFICATIONS

Spindle	19 mm
Weight	13 kg
Cutter Capacity	35 mm Ø x 2" depth of cut
Twist Drill Capacity	12 mm Ø with Turbo™ twist drills
Countersink Capacity	30 mm
Motor	1010 W
Length X Width x Height	285 mm x 221 mm x 307 / 377
RPM	No load 520 rpm / Loaded 350 rpm
Magnet Dead lift	980 kg on 1" Plate (9600 N)
Noise / Vibration Level	< 90dB / < 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-19041A   240 V DRILL-19042A

## MINIBEAST™ CURVE PRECISE DRILLING ON PIPES, CONVEX & CONCAVE SURFACES



The MiniBeast™ Curve is engineered for drilling steel pipes and curved surfaces with ease. Its multiple permanent magnetic bases provide secure holding on convex or concave shapes, while the compact, lightweight design makes it ideal for site and workshop use. Designed to make pipe and radius drilling simpler and more efficient without extra clamping attachments.

### SPECIFICATIONS

Weight	14 kg
Max Stroke	70 mm
Cutter Capacity	35 mm Ø x 35 mm Depth
Height min/max	315 / 390 mm
Length	300 mm
Width	245 mm
Magnet Dead lift	600 kg on 1" Plate (6000 N)
Min. Pipe Diameter (Outside)	300 mm Ø
Min. Pipe Diameter (Inside)	500 mm Ø
Min. Radius	R 500
Part #	110V DRILL-MBCP/1   240V DRILL-MBCP/2

## MINIBEAST™ THIN CUTTING SURFACES FROM 3 MM



The MiniBeast™ Thin is specifically designed for drilling thin and painted steel plates, reliably magnetising on material as thin as 3 mm. Its compact, lightweight design makes it easy to manoeuvre in tight spaces and reduces operator fatigue, while still delivering the power and precision expected from a full-size magnetic drill.

Built with internal coolant and robust slide rails, the MiniBeast™ Thin ensures clean, accurate holes without damaging delicate material surfaces. Perfect for workshop or on-site use, it's the ideal solution for fabricators who need precision drilling on thin steel without compromising performance.

### SPECIFICATIONS

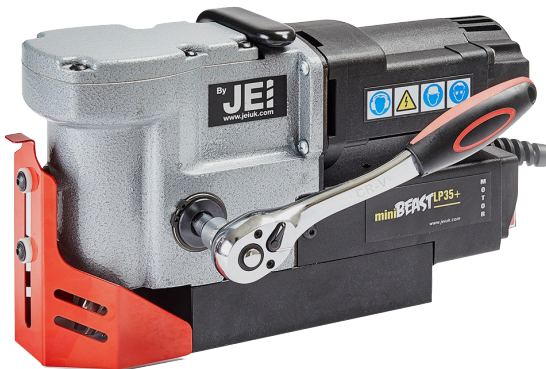
Weight	11.7 kg
Max Stroke	70 mm
Cutter Capacity	35 mm Ø x 2" D.O.C
Twist Drill Capacity	12 mm with optional set
Length x Width x Height	290 x 166 x 305/380 mm
Magnet Dead lift	900 kg on 1" Plate (9000 N)
Min. Material Thickness	3 mm
Part #	110 V DRILL-MBTS/1   240 V DRILL-MBTS/2

## MINIBEAST™ LP35 PREMIUM LOW PROFILE DRILLING MACHINE, IDEAL FOR USE WITH HSS OR TCT CUTTERS.



The MiniBeast™ LP35+ is a compact, high-power magnetic drilling machine designed to handle steel up to 35 mm thick. Equipped with internal coolant and a three-stage LED load indicator, it provides precise, consistent holes while giving operators real-time control of the drilling process. Its robust construction ensures reliability and durability, even in demanding workshop or on-site environments. Lightweight and portable, the LP35+ combines power, accuracy, and ease of use, making it an ideal choice for fabricators who need efficiency, versatility, and professional-grade performance in a single machine.

### SPECIFICATIONS



Spindle	19 mm
Weight	9.5 kg
Max Drilling	35 mm Ø
Max. Drilling Depth	20 mm with Turbo™ Steel HSS cutters 32 mm with Turbo™ Tough TCT cutters
Twist Drill Capacity	12 mm Ø with Turbo™ Twist drills
Countersink Capacity	30 mm
Motor	920 W
RPM	No load 520 rpm   Loaded 350 rpm
Length x Width x Height	380 x 147 x 176 mm
Magnet Dead lift	910 kg on 1" Plate (8900 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-LP35P   240 V DRILL-LP35P/2

## ULTRA LOW PROFILE THE WORLD'S LOWEST-PROFILE DRILLING MACHINE, ONLY 150 MM WORKING HEIGHT



The MagBeast™ Ultra Low Profile is designed for drilling in tight, confined spaces where traditional machines can't fit. Its compact, low-profile design delivers impressive power and precision, making it ideal for structural steelwork, narrow frames, and complex assemblies.

Built on the trusted MagBeast platform, it features a robust magnetic base, internal coolant, and a smooth feed system for clean, accurate holes every time. Ergonomic and easy to set up, it brings professional-grade performance to the most restricted environments, helping you work efficiently without compromise.

### SPECIFICATIONS



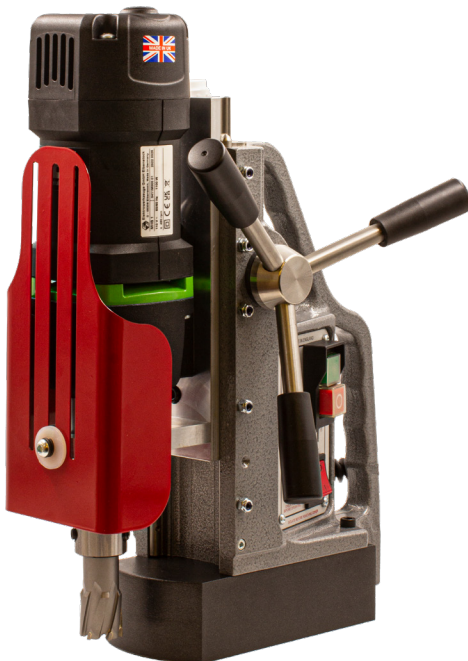
Spindle	19 mm
Weight	9 kg
Max Stroke	40 mm
Cutter Capacity	35 mm Ø x 35 mm D.O.C
Countersink Capacity	30 mm
Motor	1100 W
RPM	No load 500   Loaded 290 rpm
Length x Width x Height	320 x 120 mm x 150 mm
Magnet Dead lift	1000 kg on 1" Plate (9800 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-ULP35/1   240 V DRILL-ULP35/2

## MAGBEAST® HM40EX LIGHTWEIGHT & POWERFUL FOR MAXIMUM PERFORMANCE



The MagBeast™ HM40EX is a heavy-duty magnetic drilling machine built for demanding steel fabrication tasks. It delivers large-diameter holes with precision, featuring a robust construction, internal coolant, and a powerful magnetic base for secure positioning. Ideal for workshop or on-site use, the HM40EX ensures consistent, high-quality results while reducing operator fatigue, making it perfect for structural steelwork and other challenging applications.

### SPECIFICATIONS



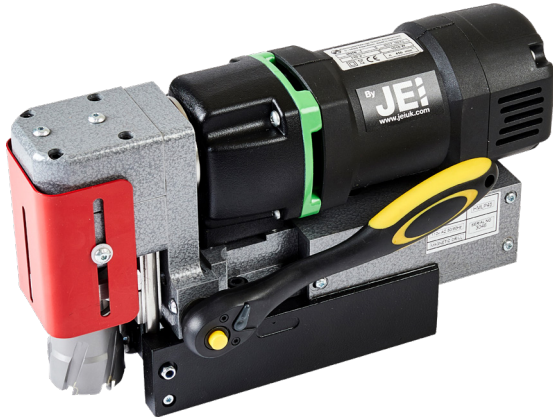
Spindle	19 mm
Weight	11.5 kg
Cutter Capacity	40 mm Ø x 110 mm depth of cut
Twist Drill Capacity	13 mm Ø with optional adaptor (JEICA-13MM/19)
Countersink Capacity	40 mm
Motor	1100 W
RPM	No load 720 rpm   Loaded 450 rpm
Swivel Base	n/a
Length x Width x Height	280 x 165 mm x 320/500 mm
Magnet Dead lift	1100 kg on 1" Plate (10750 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM40EX/1   240 V DRILL-HM40EX/2

## MAGBEAST® LP45 DESIGNED TO FIT INTO THE MOST HEIGHT RESTRICTIVE AREAS



The MiniBeast™ LP35+ is a compact, high-power magnetic drill for steel up to 35 mm thick. With internal coolant and a three-stage LED load indicator, it delivers precise, consistent holes and real-time operator control. Lightweight and portable, the LP35+ combines power, accuracy, and ease of use, making it an ideal choice for fabricators who need efficiency, versatility, and professional-grade performance in a single machine.

### SPECIFICATIONS



Spindle	19 mm
Weight	11 kg
Max Stroke	63 mm
Cutter Capacity	45 mm Ø x 2" depth of cut
Twist Drill Capacity	12 mm Ø with optional Turbo™ Twist drills
Countersink Capacity	30 mm
Motor	1010 W
RPM	No load 500   Loaded 290 rpm
Length x Width x Height	310 x 120 mm x 180 mm
Magnet Dead lift	1200 kg on 1" Plate (11700 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-LP45/1   240 V DRILL-LP45/2

## MIDIBEAST™ A RUGGED PERFORMER, DESIGNED FOR INTENSIVE DRILLING APPLICATIONS



The MidiBeast™ is a versatile mid-range magnetic drilling machine that bridges the gap between compact and heavy-duty drills. With robust performance, internal coolant, and reliable magnetic holding power, it delivers accurate, consistent holes across a wide range of applications. Designed for both workshop and on-site use, the MidiBeast™ offers dependable drilling capability with the power and flexibility fabricators need for everyday steel fabrication tasks.



### SPECIFICATIONS

Weight	17 kg
Cutter Capacity	65mm Ø x 3" depth of cut
Twist Drill Capacity	12 mm with optional Turbo™ twist drills
Motor	1600 watts
Length x Width x Height	350 x 215 x 420/511 mm
RPM	2 Fixed Speed (loaded 160/390 rpm)
Magnet Dead lift	1122 kg on 1" Plate (11000 N)
Noise Level	< 100dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-MIDI/1   240 V DRILL-MIDI/2

## MAGBEAST® HM50 DURABLE, DEPENDABLE HEAVY-DUTY 2MT DRILLING MACHINE



The MagBeast™ HM50 is a heavy-duty 2 Morse taper magnetic drill built for demanding applications. With extra-long travel for 100 mm cutters and a 50 mm cutting capacity, it delivers strong, stable, and accurate performance for workshop and on-site steel fabrication.

### SPECIFICATIONS



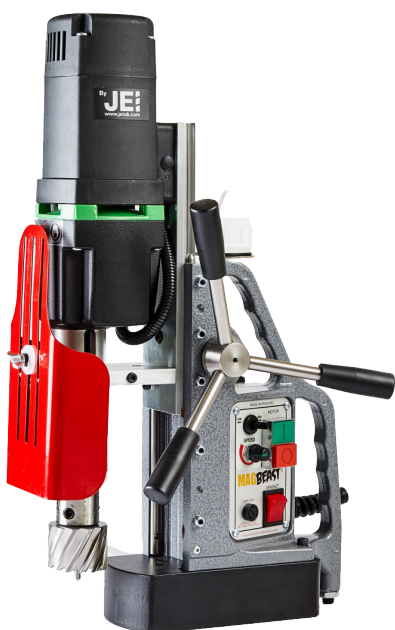
Spindle	MT2
Weight	14 kg
Max Stroke	180 mm
Cutter Capacity	50 mm Ø x 4" depth of cut
Twist Drill Capacity	13 mm with 2MT Chuck   23 mm with 2MT Twist Drill
Countersink Capacity	40 mm
Reaming Capacity	22 mm (19 mm shank)
Motor	1150 W
RPM	No load 465/720   Loaded 250/450 rpm
Swivel Base	n/a
Length x Width x Height	280 x 170 x 380/560 mm
Magnet Dead lift	1250 kg on 1" Plate (12000 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM50/1   240 V DRILL-HM50/2
Swivel Base Part #	110 V DRILL-HM50/1S   240 V DRILL-HM50/2S

## MAGBEAST® HM50T HEAVY-DUTY 2MT DRILL WITH VARIABLE SPEED & REVERSE



A heavy-duty 2 Morse taper drilling machine, the MagBeast® HM50T is ideal for countersinking and reaming. A lightweight option, weighing at only 14kg, that can cut up to 50mm in diameter. Available with an optional swivel base for added positioning flexibility, the HM50 is a robust and versatile solution for demanding fabrication applications.

### SPECIFICATIONS



Spindle	MT2
Weight	14 kg
Max Stroke	180 mm
Cutter Capacity	50 mm Ø x 4" D.O.C
Twist Drill Capacity	13 mm with 2MT Chuck   23 mm with 2MT Twist Drill
Countersink Capacity	40 mm
Reaming Capacity	22 mm (19 mm shank)
Motor	1150 W (110 V) 1250 W (240 V)
RPM	2 Variable Speeds, 180-430, 100-250 rpm
Length x Width x Height	280 x 170x 380/560 mm
Magnet Dead lift	1250 kg on 1" Plate (12000 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM50T/1   240 V HM50T/2
Swivel Base Part #	110 V DRILL-HM50T/1S   240 V HM50T/2S

**MAGBEAST® HM RANGE**

The MagBeast® HM range is our UK manufactured range of magnetic drilling machines. The standard features include a lightweight yet robust machine casting design allowing the operator ease of movement through multiple handle lifting points.

**MAGBEAST® HM100**  
**A DURABLE, HEAVY DUTY,**  
**3MT MAGNETIC DRILLING**  
**MACHINE**



The MagBeast® HM100 features a substantial 1700 W motor and 4-speed gearbox for large cutting capacity and demanding projects, delivering reliable, adjustment-free operation with no wearing parts, making it ideal for heavy-duty, high-performance drilling.

**SPECIFICATIONS**

Spindle	MT3
Arbor Bore	19 mm
Weight	24 kg
Max Stroke	250 mm
Cutter Capacity	100 mm Ø x 6" depth of cut
Twist Drill Capacity	19 mm with 2MT Chuck   32 mm with 3MT Twist Drill
Countersink Capacity	55 mm
Reaming Capacity	39 mm
Motor	1700 W
RPM	No load 215/330/460/680   Loaded 110/175/245/385
Length x Width x Height	345 x 190 x 450/700 mm
Magnet Dead lift	2050 kg on 1" Plate (20100 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM100/1   240 V DRILL-HM100/2
Swivel Base Part #	110 V DRILL-HM100/1S   240 V DRILL-HM100/2S

**MAGBEAST® HM100T**  
**DURABLE, HEAVY-DUTY,**  
**3MT MAGNETIC DRILLING**  
**MACHINE**



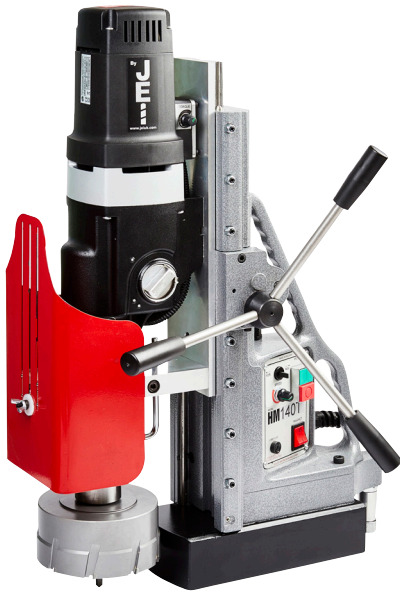
Capable of cutting, reaming, counterboring and tapping holes, the MagBeast® HM100T is the perfect all-around choice for a variety of applications using simple and efficient electronic controls.

**SPECIFICATIONS**

Spindle	MT3
Weight	23.5 kg
Max Stroke	250 mm
Cutter Capacity	100 mm Ø x 6" depth of cut
Twist Drill Capacity	19 mm with 3MT Chuck   32 mm with 3MT Twist Drill
Countersink Capacity	55 mm
Tapping Capacity	M30
Reaming Capacity	39 mm
Motor	1800 W
RPM	2 Variable Speeds (torque control) 60-140 / 200-470
Length x Width x Height	345 x 190 x 450/700 mm
Magnet Dead lift	2050 kg on 1" Plate (20100 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM100T/1   240 V DRILL-HM100T/2
Swivel Base Part #	110 V DRILL-HM100T/S   240 V DRILL-HM100T/2S

## MAGBEAST® HM RANGE

### MAGBEAST® HM140T HEAVY-DUTY 4MT POWERHOUSE BUILT FOR VERSATILE HOLE MAKING



With built-in forward/reverse and variable speed, the HM140T can tap and thread pre-drilled holes up to M44, and weighing only 35 kg, it offers an unrivalled weight-to-capacity ratio for a machine of its size, allowing a single operator to lift and position it with ease for efficient, heavy-duty work.

### SPECIFICATIONS

Weight	35 kg
Cutter Capacity	140 mm Ø
Twist Drill Capacity	19 mm with 4MT Chuck   50 mm with 4 MT Twist Drill
Countersink Capacity	80 mm
Reaming Capacity	47 mm
Motor	2300 W
Length x Width x Height	440 x 245 mm x 570/850 mm
RPM	4 Variable Speeds 30-80/50-120/130-350/ 210-550
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM140T/1   240 V DRILL-HM140T/2

### MAGBEAST® HM200T MASSIVE 5MT CAPACITY MAG DRILL BUILT FOR THE TOUGHEST APPLICATIONS



Designed to solve the most challenging of applications, the MagBeast® 200T offers a commanding 2600 W, high torque motor that delivers maximum power to produce an incredible 200mm cutting capacity.

### SPECIFICATIONS

Spindle	MT5
Arbor Base	1-1/4"
Weight	52 Kg
Max Stroke	330 mm
Cutter Capacity	200 mm Ø
Twist Drill Capacity	52 mm Ø
Countersink Capacity	100 mm Ø
Tapping Capacity	M52
Reaming Capacity	52 mm Ø
Motor	2850 W
RPM	4 Multi Speed 40/60 90/130 170/240 380/545 rpm
Length x Width Height	455 x 280x 730/935 mm
Magnet Dead lift	2300 Kg on 1" Plate (26,800 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	110 V DRILL-HM200T/1   240 V DRILL-HM200T/2

# MAGBEAST® PRO PREMIUM RANGE

## THE ULTIMATE HOLE MAKING EXPERIENCE

The MagBeast® Premium Pro range is JEI's next-generation line-up of premium portable magnetic drilling machines, engineered for maximum performance in demanding drilling applications. Built with a heavy-duty design for exceptional hole-cutting power, each model features a unique three-stage LED load indicator, giving operators real-time feedback and full control of the drilling process. This helps protect key components, extend machine life, and maximise cutter lifespan for consistently reliable performance.

### MAGBEAST® PRO-52T

#### A HEAVY-DUTY, 2MT TAPPING AND DRILLING MACHINE



A powerful 1600W variable-speed magnetic drill designed for hole cutting and tapping, offering drilling capacity up to 50 mm (2"), twist drilling up to 23 mm (7/8"), and forward/reverse operation for thread cutting up to M20 using a new tapping system.

### SPECIFICATIONS

Motor Speeds (under load)	(1) 160-250 rpm   (2) 390-580 rpm
Motor Power	1600 W
Weight	17 kg (37 lbs)
Max cutter capacity	50 mm (2")
Max twist drill capacity	23 mm (7/8")
Tapping size	M20 (3/4")
Stroke	190 mm (7-1/2")
Max depth of cut	75 mm (3") *
Magnetic clamping force	1122 kg (11,000 N)
Min, Work piece Thickness	8 mm (5/16)
Spindle	MT2
Tool holder	19 mm (3/4") Weldon
Part #	110 V DRILL-PRO52T/1   240 V DRILL-PRO52T/2

### MAGBEAST® PRO-X72T

#### A HEAVY-DUTY, 3MT VERSATILE DRILLING & TAPPING MACHINE



A powerful 1600W variable-speed magnetic drill designed for hole cutting and tapping, offering drilling capacity up to 70 mm, twist drills up to 25 mm, and forward/reverse operation for thread cutting up to M20 using a new tapping system.

### SPECIFICATIONS

Motor Speeds (under load)	(1) 120-190 rpm   (2) 290-450 rpm
Motor Power	1600 W
Weight	18 kg (40 lbs)
Max cutter capacity	70 mm (2-3/4")
Max twist drill capacity	25 mm (1")
Tapping size	M20 (3/4")
Stroke	190 mm (7-1/2")
Max depth of cut	75 mm (3")
Magnetic clamping force	1122 kgf (11,000 N)
Min, Work piece Thickness	8 mm (5/16)
Spindle	MT3
Tool holder	19 mm (3/4") Weldon
Part #	110 V DRILL-PRO72T/1   240 V DRILL-PRO72T/2

- ✓ Intelligent speed control system maintains stable speed regardless of load changes
- ✓ Tapping through and blind holes.
- ✓ Electronic speed control
- ✓ Electronic clutch
- ✓ Overload and overheat protection
- ✓ Tilt sensor stops the motor in case of machine break away.
- ✓ 360° visual monitoring system
- ✓ Innovative smart magnet with reduced weight
- ✓ Intuitive control panel on top of the drill
- ✓ Large coolant container

## MAGBEAST® PRO-122T A HEAVY-DUTY, 3MT, TAPPING AND DRILLING MACHINE



A four-speed gearbox with continuous speed adjustment sets the optimal speed for any diameter, material, or tool, while intelligent speed control maintains constant motor speed under load and an innovative 360° LED indicator enhances correct operation and workplace safety.

### SPECIFICATIONS

Motor Speeds (under load)	75-110 rpm (gear 1)   135-200 rpm (gear 2) 220-320 rpm (gear 3)   390-570 rpm (gear 4)
Motor Power	2300 W
Weight	25 kg (55lbs)
Max cutter capacity	120 mm (4.72")*
Max twist drill capacity	31.75 mm (1-1/4")
Tapping size	M30 (1-1/4")
Stroke	225 mm (9")
Max depth of cut	100 mm (4")
Magnetic clamping force	1835 kg (18,000 N)
Min. Work piece Thickness	10 mm (3/8")
Spindle	MT3
Tool holder	19 mm (3/4") or 32 mm (1-1/4") Weldon
Part #	110 V DRILL-PRO122T/1   240 V DRILL-PRO122T/2

## MAGBEAST® PRO-152T A HEAVY-DUTY, 4MT, TAPPING AND DRILLING MACHINE



A four-speed gearbox with continuous speed adjustment delivers optimal speeds for different diameters, steel grades, and tools, while intelligent speed control maintains constant performance under load and a 360° LED indicator improves correct operation and safety.

### SPECIFICATIONS

Motor Speeds (under load)	55-85 rpm (gear 1)   100-150 rpm (gear 2) 200-300 (gear 3)   350-520 rpm (gear 4)
Motor Power	2300 W
Weight	31 kg (68 lbs)
Max cutter capacity	150 mm (6")*
Max twist drill capacity	47 mm (1-7/8")
Tapping size	M42 (1-5/8")
Stroke	260 mm (10")
Max depth of cut	100 mm (4")
Magnetic clamping force	2550 kg (25,000 N)
Min. Work piece Thickness	10 mm (3/8")
Spindle	MT4
Tool holder	19 mm (3/4") or 32 mm (1-1/4") Weldon
Part #	110 V DRILL-PRO152T/1   240 V DRILL-PRO152T/2

THE AIRBEAST® RANGE IS A SPECIALIST LINE OF PORTABLE PNEUMATIC DRILLING AND TAPPING SOLUTIONS, ENGINEERED FOR DEMANDING APPLICATIONS. DESIGNED TO PERFORM IN DIFFICULT AND RESTRICTIVE ENVIRONMENTS, AIRBEAST® MACHINES DELIVER RELIABLE POWER WHERE ELECTRIC TOOLS AREN'T SUITABLE.

## AIRBEAST® 40A

**ATEX APPROVED, PNEUMATIC DRILL SPECIFICALLY DESIGNED FOR SPACE RESTRICTED AND HAZARDOUS ENVIRONMENTS**

The AirBeast® 40A is a compact pneumatic magnetic drilling machine, ideally suited to space-restricted and hazardous environments such as oil drilling platforms, mining operations, shipbuilding, and the petrochemical industry. Combining a pneumatic drive with a permanent magnetic base, it removes the need for an electrical power supply while delivering reliable, high-performance drilling in demanding conditions where safety is critical.



### SPECIFICATIONS

Weight	17 kg
Spindle	19 mm
Cutter Capacity	35 mm Ø x 1" depth of cut
Max Stroke	39 mm
Air consumption	1400 l/min (50 CFM)
Motor Power	800 W
Motor speed under load	240 rpm
Length x Width x Height	480 x 168 x 185 mm
Cooling System	Through Spindle
Magnet Dead lift	663 kg on 1" Plate (6500 N)
Part #	DRILL-AIR40A

## AIRBEAST® 50A

**A PIONEERING 2 MORSE TAPER, ATEX APPROVED PNEUMATIC DRILLING MACHINE**

The AirBeast® 50A is ideal for hazardous environments such as oil drilling platforms, mining, shipbuilding, and petrochemical industries. A pneumatic drive and permanent magnetic base eliminate the need for electric power.



### SPECIFICATIONS

Spindle	2MT (19 mm shank)
Maximum drilling capacity with annular cutter	45 mm (1-3/4")
Maximum drilling capacity with twist drill	20 mm (13/16")
Maximum depth of cut	51 mm (2")
Max Stroke	150 mm
Air consumption	1400 l/min (50 CFM)X
Pressure	6 Bar (87 psi)
Air Connection	CEJN 410 DN 10.4 R 3/8" BSPT fitting for quick coupling
RPM	No load 500 / 330 rpm   Loaded 290 / 190 rpm
Magnet Dead lift	765 kg on 1" Plate (7500 N)
Overall Dimensions	424 mm x 268 mm x 703 mm
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Weight	26.5 kg
Part #	DRILL-AIR50A

## AIRBEAST® 200A

**ATEX APPROVED, PNEUMATIC DRILL  
SPECIFICALLY DESIGNED FOR SPACE  
RESTRICTED AND HAZARDOUS ENVIRONMENTS**



The AirBeast® 200A is a powerful, heavy-duty pneumatic magnetic drilling machine engineered for extreme industrial applications where electric tools cannot be used. Designed for hazardous and explosive environments, it is ideal for offshore platforms, petrochemical plants, refineries, mining operations, and shipbuilding. Its pneumatic drive system, combined with a robust double magnetic base, delivers dependable performance in tough site conditions while eliminating the need for an electrical power source.

Built for high-capacity work, the AirBeast® 200A offers a 200 mm annular cutting capacity, 45 mm twist drill capacity, and tapping up to M48, making it suitable for the most demanding fabrication tasks. The convertible magnetic base allows use on concave and convex surfaces, adding versatility alongside its strength and stability. Where safety, power, and reliability are critical, the AirBeast® 200A is a trusted solution for specialist drilling in environments where conventional machines are not an option.

**ALSO  
AVAILABLE  
FOR HIRE**



### SPECIFICATIONS

Spindle	5MT (1-1/4" shank)
Weight	130 kg
Air consumption	3500 l/min (125 CFM)
Pressure	6.5 bar
Max Stroke	400 mm
Cutter Capacity	200 mm Ø x 4" depth of cut
Motor	3650 W
RPM	2 Fixed Speeds no load 140/35 rpm loaded 80/20 rpm
Twist Drill Capacity	45 mm
Tapping Capacity	M48
Length x Width x Height	764 x 485 x 991/1391 mm
Magnet Dead lift	2 x 1530 kg on 25 mm Plate (2 x 15000 N)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Part #	DRILL-AIR200A

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