



Compact
Electro Magnet
40LJ21



Large
Permanent
Magnet
61KL86



Magnetic Drill Presses

These drill presses rotate annular cutters or other bits to make holes in structural steel, I-beams, pipe, and other metal workpieces. Their magnetic base sticks to ferrous metal surfaces and holds the drill in position as the cutting bit feeds into the material. Drill presses are corded to allow long run times for repetitive tasks. Compact presses fit into tighter spaces and have enough power and sufficient drill travel for most drilling applications. Large presses have a more powerful motor and longer drill travel (stroke) than compact models, drill into harder materials, and accept longer bits to drill deeper holes.

Variable Speed	Drilling Capacity in Steel	Drill Travel	Current	Power Down Feed Included	Coolant System	Brand	Item No.
Compact Magnetic Drill Presses							
Dual Coil Magnet Type							
Single Speed	1 1/4 in	3 3/8 in	11 A	No	Yes	Fein	793LG1
Electro Magnet Type							
Variable	1 1/8 in	2 1/2 in	5 A	No	Yes	Slugg By Fein	4KYN8
Speed	1 1/8 in	5 3/4 in	13 A	Yes	Yes	Milwaukee	40LJ21
	2 in	4 3/8 in	10 A	No	Yes	DeWalt	163K54
Permanent Magnet Type							
Variable	1 1/8 in	5 3/4 in	8.4 A	No	Yes	Slugg By Fein	61KL87
Speed	1 1/8 in	5 3/4 in	9.2 A	No	Yes	Slugg By Fein	61KL89
	1 1/8 in	5 3/4 in	13 A	Yes	Yes	Milwaukee	40LJ22
Large Magnetic Drill Presses							
Electro Magnet Type							
Single Speed	1/2 in	9 in	7.2 A	Yes	No	Milwaukee	3F863
	3/4 in	9 in	12.5 A	Yes	No	Milwaukee	4A939
Variable	1 1/8 in	10 1/4 in	9.5 A	No	Yes	Slugg By Fein	472C16
Speed	1 1/8 in	10 1/4 in	12 A	No	Yes	Slugg By Fein	54FH35
	1 1/4 in	11 in	11.5 A	Yes	No	Milwaukee	4A940
	1 1/8 in	12 3/8 in	11 A	Yes	Yes	Slugg By Fein	20UH22
	1 3/4 in	12 3/8 in	12 A	No	Yes	Slugg By Fein	20UH23
Permanent Magnet Type							
Variable	2 in	10 1/4 in	10.6 A	No	Yes	Slugg By Fein	61KL86
Speed	3 in	11 in	14.2 A	No	Yes	Slugg By Fein	61KL88



Carbide-Tipped
415H55



Cobalt
4KYK4



High-Speed
Steel
3TY49



One-Piece
Alternate-Tooth
Carbide
48Z627



Two-Piece
Alternate-Tooth
Carbide
4AK56

Annular Cutters and Sets

Install into magnetic-base drills, drill presses, and milling machines to make smooth-walled, burr-free holes in one pass. They use less power, create less torque, produce fewer chips, and drill to closer tolerances than standard twist drill bits.

Max. Cutter Cutting Dia.	Depth Included	Pilot Pin	Brand	Item No.
Carbide-Tipped Annular Cutters for Toughest Materials				
Bright (Uncoated), Weldon Flat Shank				
3/8"	2"	No	Milwaukee	415H55
3/4"	2"	No	Milwaukee	415H57
13/16"	2"	No	Milwaukee	415H58
1 1/8"	2"	No	Slugg	20VH37
1 1/4"	2"	No	Milwaukee	415H59
1 1/2"	2"	No	Milwaukee	415H61
1 3/4"	2"	No	Milwaukee	415H62
1 7/8"	2"	No	Milwaukee	415H63
2"	2"	No	Milwaukee	415H65
2 1/4"	2"	No	Milwaukee	415H69
2 1/2"	2"	No	Milwaukee	415H74
2 3/4"	2"	No	Milwaukee	415H76
2 1/2"	4"	No	Slugg	20VH35
TIN, Weldon Flat Shank				
3/4"	2"	No	Slugg	4WN22
Cobalt Annular Cutters for Hard Materials				
Bright (Uncoated), Weldon Flat Shank				
3/8"	2"	No	Slugg	4KYH5
3/4"	2"	No	Slugg	4KYH7
13/16"	2"	No	Slugg	4KYH8
1 1/8"	2"	No	Slugg	4KYJ2
1 1/4"	2"	No	Slugg	4KYJ4
1 1/2"	2"	No	Slugg	4KYJ9
1 3/4"	2"	No	Slugg	4KYK1
1 7/8"	2"	No	Slugg	4KYK2
2"	2"	No	Slugg	4KYK3
TIN, Weldon Flat Shank				
7/16"	2"	No	Slugg	4KYK4
1/2"	1"	No	Slugg	4WNL7
1/2"	2"	No	Slugg	4KYK5
9/16"	1"	No	Slugg	4WNL8
9/16"	1"	No	Slugg	4WNL9
5/8"	2"	No	Slugg	4KYK7
1 1/8"	2"	No	Slugg	4KYK8
3/4"	2"	No	Slugg	4KYK9
13/16"	2"	No	Slugg	4KYL1
7/8"	1"	No	Slugg	4KYF7
7/8"	2"	No	Slugg	4KYL2
1"	1"	No	Slugg	4KYF9
1"	2"	No	Slugg	4KYL4
1 1/16"	2"	No	Slugg	4KYL5
1 1/4"	2"	No	Slugg	4KYL8
2"	2"	No	Slugg	4KYN5
High-Speed Steel Annular Cutters for General Cutting				
Black Oxide, Weldon Flat Shank				
1/2"	1"	No	Milwaukee	3TY49
1/2"	2"	No	Milwaukee	21R643
9/16"	2"	No	Milwaukee	3HY25
5/8"	1"	No	Milwaukee	3HU91
5/8"	2"	No	Milwaukee	3HY26
1 1/16"	1"	No	Milwaukee	3HU92
1 1/16"	2"	No	Milwaukee	3HY28
3/4"	1"	No	Milwaukee	3HU93
3/4"	2"	No	Milwaukee	3HY29
13/16"	1"	No	Milwaukee	3HU94
13/16"	2"	No	Milwaukee	3HY30
7/8"	1"	No	Milwaukee	3HY95
7/8"	2"	No	Milwaukee	3HY31
15/16"	2"	No	Milwaukee	3HY32
1"	1"	No	Milwaukee	3HU97

Max. Cutter Cutting Dia.	Depth Included	Pilot Pin	Brand	Item No.
1 1/8"	2"	No	Milwaukee	3HY33
1 1/8"	2"	No	Milwaukee	21R644
1 1/8"	2"	No	Milwaukee	21R645
1 1/8"	2"	No	Milwaukee	21R651
1 1/8"	2"	No	Milwaukee	21R653
1 1/8"	2"	No	Milwaukee	21R654
1 1/8"	2"	No	Milwaukee	21R659
Bright (Uncoated), Weldon Flat Shank				
7/16"	1"	Yes	Slugg	52JJ30
7/16"	2"	Yes	Slugg	52JJ57
7/16"	1"	No	—	4TG21
7/16"	1"	Yes	Slugg	52JJ31
7/16"	2"	Yes	Slugg	52JJ58
7/16"	1"	No	—	4TG22
9/16"	1"	Yes	Slugg	52JJ32
9/16"	2"	No	—	4THD4
9/16"	2"	Yes	Slugg	52JJ59
9/16"	1"	No	—	4TG23
9/16"	1"	Yes	Slugg	52JJ33
9/16"	2"	No	—	4THD5
9/16"	2"	Yes	Slugg	52JJ60
2 1/2"	2"	No	Slugg	20VP07
1 1/16"	1"	Yes	Slugg	52JJ34
1 1/16"	2"	No	—	4THD6
1 1/16"	2"	Yes	Slugg	52JJ61
3/4"	1"	Yes	Slugg	52JJ35
3/4"	2"	No	—	4THD7
3/4"	2"	Yes	Slugg	52JJ62
3/4"	3"	No	Slugg	30E084
1 1/16"	1"	No	—	4TG26
1 1/16"	1"	Yes	Slugg	52JJ36
1 1/16"	2"	No	—	4THD8
1 1/16"	2"	Yes	Slugg	52JJ63
1 1/16"	4"	No	Slugg	30EE70
7/8"	1"	Yes	Slugg	52JJ37
7/8"	2"	No	—	4THD9
7/8"	2"	Yes	Slugg	52JJ64
1 1/8"	1"	Yes	Slugg	52JJ38
1 1/8"	2"	Yes	Slugg	52JJ65
1 1/8"	1"	No	—	4TG29
1 1/8"	1"	Yes	Slugg	52JJ39

Number of Cutters	Maximum Cutting Depth	Cutter Diameters Included	Includes	Brand	Item No.
Annular Cutter Sets					
Black Oxide, Weldon Flat Shank					
6	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 5/8", 9/16"	—	Milwaukee	1DYE4
9	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/8", 9/16"	—	Milwaukee	1DYE5
Bright (Uncoated), Weldon Flat Shank					
5	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	—	Slugg	53DP17
5	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Case, Pilot Pin	Slugg	53DP16
5	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	—	4THF4
5	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	Slugg	4NYC4
5	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	—	4THF5
5	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	Slugg	4NYC6
11	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	(2) Pilot Pins, Case	Slugg	53DP14
11	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Case	Slugg	4NYA9
11	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Pilot Pin	—	4THF6
11	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Pilot Pin	—	4THF7
11	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Pilot Pin	Slugg	4NYC2
TIN, Weldon Flat Shank					
5	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	Slugg	4NYC5
5	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	—	Slugg	53DP13
5	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 9/16"	Pilot Pin	Slugg	4NYC7
11	1"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Pilot Pin	Slugg	4NYC1
11	2"	1 1/8", 1 1/16", 1 3/16", 1 5/16", 3/4", 5/8", 7/16", 7/8", 9/16"	Pilot Pin	Slugg	4NYC3

Max. Cutter Cutting Dia.	Depth Included	Pilot Pin	Brand	Item No.
1"	2"	No	—	4TH2
1 1/8"	1"	Yes	Slugg	52JJ66
1 1/8"	1"	Yes	Slugg	52JJ40
1 1/8"	2"	No	—	4TH3
1 1/8"	1"	No	—	4THA2
1 1/8"	2"	No	—	4TH4
1 1/8"	2"	Yes	Slugg	52JJ68
1 1/4"	1"	No	—	4THA4
1 1/4"	1"	Yes	Slugg	52JJ43
1 1/4"	2"	No	—	4TH6
1 1/4"	2"	Yes	Slugg	52JJ70
1 1/4"	3"	No	Slugg	30EE05
1 3/4"	2"	Yes	Slugg	52JJ71
1 3/4"	1"	Yes	Slugg	52JJ45
1 3/4"	2"	Yes	Slugg	52JJ72
1 3/4"	3"	No	Slugg	30EE10
1 3/4"	1"	Yes	Slugg	52JJ47
1 3/4"	2"	No	—	4TH9
1 3/4"	2"	Yes	Slugg	52JJ74
1 3/4"	3"	No	Slugg	30EE15
1 3/4"	2"	Yes	Slugg	52JJ75
1 3/4"	2"	No	—	4THF1
1 3/4"	2"	Yes	Slugg	52JJ76
1 3/4"	2"	Yes	Slugg	52JJ78
1 3/4"	2"	Yes	Slugg	52JJ80
1 3/4"	2"	No	—	4THF3
1 3/4"	2"	Yes	Slugg	52JJ82
2"	3"	No	Slugg	30EE31
2 1/16"	2"	Yes	Slugg	52JJ83
2 1/2"	1"	No	Slugg	20VN90
2 1/2"	2"	No	Slugg	20VP96
2 1/2"	3"	No	Slugg	30EE40
2 1/2"	2"	No	Slugg	20VN91
2 1/2"	1"	No	Slugg	20VN98
2 1/2"	2"	No	Slugg	20VR05
2 1/2"	3"	No	Slugg	30EE48
TIN, Weldon Flat Shank				
3/4"	3"	No	Slugg	30EE50
1 1/4"	1"	No	Slugg	20UJ20
2"	3"	No	Slugg	30EE64
2 1/2"	1"	No	Slugg	19TG27

Max. Cutter Cutting Dia.	Depth Included	Pilot Pin	Brand	Item No.
2 1/2"	2"	No	Slugg	30ED30
2 5/8"	2"	No	Slugg	30ED31
3"	2"	No	Slugg	30ED33
One-Piece Alternate-Tooth Carbide-Tipped Annular Cutters				
Bright (Uncoated), Straight with Three Flats Shank				
3/8"	1/2"	Yes	Milwaukee	48Z627
1 1/8"	2"	Yes	Milwaukee	3Y170
1 3/8"	2"	Yes	Milwaukee	48Z628
1 5/8"	2"	Yes	Milwaukee	48Z627
1 7/8"	2"	Yes	Milwaukee	48Z629
Two-Piece Alternate-Tooth Carbide-Tipped Annular Cutters				
Bright (Uncoated), Tang Shank Shank				
9/16"	1"	No	Milwaukee	48Z570
5/8"	1"	No	Milwaukee	48Z571
Bright (Uncoated), Threaded Shank				
3/4"	2"	Yes	Milwaukee	4AK56
13/16"	2"	Yes	Milwaukee	4AK57
7/8"	2"	Yes	Milwaukee	4AK58
15/16"	2"	Yes	Milwaukee	4AK59
1"	2"	Yes	Milwaukee	4AK60
1 1/16"	2"	Yes	Milwaukee	4AK61
1 1/8"	2"	Yes	Milwaukee	4AK62
1 3/16"	2"	Yes	Milwaukee	4AK63
1 1/4"	2"	Yes	Milwaukee	4AK64
1 3/8"	2"	Yes	Milwaukee	4AK66
1 1/2"	2"	Yes	Milwaukee	4AK68
1 5/8"	2"	Yes	Milwaukee	4AK70
1 3/4"	2"	Yes	Milwaukee	48Z593
1 13/16"	2"	Yes	Milwaukee	48Z595
2"	2"	Yes	Milwaukee	4AK76
2 1/8"	2"	Yes	Milwaukee	48Z603
2 3/8"	2"	Yes	Milwaukee	48Z606
2 1/2"	2"	Yes	Milwaukee	48Z607
2 5/8"	2"	Yes	Milwaukee	48Z609
3"	2"	Yes	Milwaukee	48Z612
3 1/2"	2"	Yes	Milwaukee	48Z616
4"	2"	Yes	Milwaukee	48Z619