



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.



Carbide-Tipped  
415H55

Cobalt  
4KYK4

High-Speed  
Steel  
3TY49

One-Piece  
Alternate-Tooth  
Carbide  
48Z627

Two-Piece  
Alternate-Tooth  
Carbide  
4AK56

Cutter Dia.	Max. Cutting Depth	Pilot Pin Included	Brand	Item No.
<b>Carbide-Tipped Annular Cutters for Toughest Materials</b>				
<b>Bright (Uncoated), Weldon Flat Shank</b>				
3/8 in.	2 in.	No	Milwaukee	415H55
1/2 in.	2 in.	No	Milwaukee	415H57
3/4 in.	2 in.	No	Milwaukee	415H58
1 1/8 in.	4 in.	No	Sluggo	20VH37
1 1/2 in.	2 in.	No	Milwaukee	415H59
1 in.	2 in.	No	Milwaukee	415H61
1 1/8 in.	2 in.	No	Milwaukee	415H62
1 1/2 in.	2 in.	No	Milwaukee	415H63
1 1/4 in.	2 in.	No	Milwaukee	415H65
1 1/2 in.	2 in.	No	Milwaukee	415H69
2 in.	2 in.	No	Milwaukee	415H74
2 1/4 in.	2 in.	No	Milwaukee	415H76
2 1/4 in.	4 in.	No	Sluggo	20VH35
<b>Cobalt Annular Cutters for Hard Materials</b>				
3/8 in.	2 in.	No	Sluggo	4KYH5
3/4 in.	2 in.	No	Sluggo	4KYH7
1 1/8 in.	2 in.	No	Sluggo	4KYH8
1 in.	2 in.	No	Sluggo	4KYJ2
1 1/8 in.	2 in.	No	Sluggo	4KYJ4
1 1/2 in.	2 in.	No	Sluggo	4KYJ9
1 3/8 in.	2 in.	No	Sluggo	4KYK1
1 3/4 in.	2 in.	No	Sluggo	4KYK2
2 in.	2 in.	No	Sluggo	4KYK3
<b>TiN, Weldon Flat Shank</b>				
7/8 in.	2 in.	No	Sluggo	4KYK4
1 1/2 in.	1 in.	No	Sluggo	4WNL7
1 1/2 in.	2 in.	No	Sluggo	4WNL5
9/16 in.	1 in.	No	Sluggo	4WNL8
9/16 in.	1 in.	No	Sluggo	4WNL9
9/16 in.	2 in.	No	Sluggo	4KYK7
1 1/8 in.	2 in.	No	Sluggo	4KYK8
3/4 in.	1 in.	No	Sluggo	4WNN2
3/4 in.	2 in.	No	Sluggo	4KYK1
1 1/8 in.	2 in.	No	Sluggo	4KYK1
7/8 in.	1 in.	No	Sluggo	4KYF7
7/8 in.	2 in.	No	Sluggo	4KYF7
1 in.	2 in.	No	Sluggo	4KYF9
1 1/8 in.	2 in.	No	Sluggo	4KYL2
1 1/2 in.	2 in.	No	Sluggo	4KYL5
1 1/2 in.	2 in.	No	Sluggo	4KYL8
2 in.	2 in.	No	Sluggo	4KYN5

<b>High-Speed Steel Annular Cutters for General Cutting</b>				
<b>Black Oxide, Weldon Flat Shank</b>				
1/2 in.	1 in.	No	Milwaukee	3TY49
1/2 in.	2 in.	No	Milwaukee	21R643
9/16 in.	2 in.	No	Milwaukee	3HY25
9/16 in.	1 in.	No	Milwaukee	3HY21
9/16 in.	2 in.	No	Milwaukee	3HY26
1 1/8 in.	1 in.	No	Milwaukee	3HY92
1 1/8 in.	2 in.	No	Milwaukee	3HY28
3/4 in.	1 in.	No	Milwaukee	3HY93
3/4 in.	2 in.	No	Milwaukee	3HY29
1 1/8 in.	1 in.	No	Milwaukee	3HY94
1 1/8 in.	2 in.	No	Milwaukee	3HY30
7/8 in.	1 in.	No	Milwaukee	3HY95
7/8 in.	2 in.	No	Milwaukee	3HY31
1 1/8 in.	2 in.	No	Milwaukee	3HY32
1 in.	1 in.	No	Milwaukee	3HY97
1 in.	2 in.	No	Milwaukee	3HY33
1 1/8 in.	2 in.	No	Milwaukee	21R644
1 1/8 in.	2 in.	No	Milwaukee	21R645
1 1/4 in.	1 in.	No	Milwaukee	21R630

Cutter Dia.	Max. Cutting Depth	Pilot Pin Included	Brand	Item No.
<b>Bright (Uncoated), Weldon Flat Shank</b>				
1 1/2 in.	2 in.	No	Milwaukee	21R651
1 1/2 in.	2 in.	No	Milwaukee	21R653
1 1/4 in.	2 in.	No	Milwaukee	21R654
2 in.	2 in.	No	Milwaukee	21R659
<b>Bright (Uncoated), Weldon Flat Shank</b>				
7/8 in.	1 in.	Yes	Sluggo	52J330
7/8 in.	1 in.	No	Sluggo	4TYG9
7/8 in.	2 in.	Yes	Sluggo	52J357
7/8 in.	2 in.	No	Sluggo	4THD2
1/2 in.	1 in.	No	—	4TGZ1
1/2 in.	1 in.	Yes	Sluggo	52J331
1/2 in.	2 in.	Yes	Sluggo	52J358
9/16 in.	1 in.	No	—	4TGZ2
9/16 in.	1 in.	Yes	Sluggo	52J332
9/16 in.	2 in.	No	—	4THD4
9/16 in.	2 in.	Yes	Sluggo	52J359
9/16 in.	1 in.	No	—	4TGZ3
9/16 in.	1 in.	Yes	Sluggo	52J333
9/16 in.	2 in.	No	—	4THD5
9/16 in.	2 in.	Yes	Sluggo	52J360
2 1/2 in.	2 in.	No	Sluggo	20YP07
1 1/8 in.	1 in.	Yes	Sluggo	52J334
1 1/8 in.	1 in.	No	—	4TGZ4
1 1/8 in.	2 in.	No	—	4THD6
1 1/8 in.	2 in.	Yes	Sluggo	52J361
3/4 in.	1 in.	Yes	Sluggo	52J335
3/4 in.	2 in.	No	—	4THD7
3/4 in.	2 in.	Yes	Sluggo	52J362
3/4 in.	3 in.	No	Sluggo	30ED84
1 1/8 in.	1 in.	No	—	4TGZ6
1 1/8 in.	1 in.	Yes	Sluggo	52J336
1 1/8 in.	2 in.	No	—	4THD8
1 1/8 in.	2 in.	Yes	Sluggo	52J363
1 1/8 in.	3 in.	No	Sluggo	30ED86
7/8 in.	1 in.	Yes	Sluggo	52J337
7/8 in.	1 in.	No	—	4TGZ7
7/8 in.	2 in.	No	—	4THD9
7/8 in.	2 in.	Yes	Sluggo	52J364
1 1/8 in.	1 in.	Yes	Sluggo	52J338
1 1/8 in.	2 in.	Yes	Sluggo	52J365
1 1/8 in.	2 in.	No	—	4THD1

Number of Cutters	Maximum Cutting Depth	Annular Cutter Sets	Cutter Diameters Included	Includes	Brand	Item No.
Black Oxide, Weldon Flat Shank						
6	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	—	Milwaukee	1DYE4
9	2 in.		1 1/8 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/8 in., -9/16 in.	—	Milwaukee	1DYE5
Bright (Uncoated), Weldon Flat Shank						
5	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	—	Sluggo	53DP17
5	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Case, Pilot Pin	Sluggo	53DP16
5	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	—	4THF4
5	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	Sluggo	4NYC4
5	2 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	—	4THF5
5	2 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	Sluggo	4NYC6
11	1 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	(2) Pilot Pins, Case	Sluggo	53DP14	
11	1 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Case	Sluggo	4NYA9	
11	1 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Pilot Pin	—	4THF6	
11	2 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Pilot Pin	—	4THF7	
11	2 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Pilot Pin	Sluggo	4NYC2	
TiN, Weldon Flat Shank						
5	1 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	Sluggo	4NYC5
5	2 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	—	Sluggo	53DP13
5	2 in.		1 1/8 in., -11/16 in., -13/16 in., -15/16 in., -9/16 in.	Pilot Pin	Sluggo	4NYC7
11	1 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Pilot Pin	Sluggo	4NYC1	
11	2 in.	1 1/8 in., -1 in., -1/2 in., -11/16 in., -13/16 in., -15/16 in., -3/4 in., -5/8 in., -7/16 in., -7/8 in., -9/16 in.	Pilot Pin	Sluggo	4NYC3	

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

## 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.

Cutter Dia.	Max. Cutting Depth	Pilot Pin Included	Brand	Item No.
<b>One-Piece Alternate-Tooth Carbide-Tipped Annular Cutters</b>				
<b>Bright (Uncoated), Straight with Three Flats Shank</b>				
3/8 in.	1/2 in.	Yes	Milwaukee	48Z627
1 1/8 in.	2 in.	Yes	Milwaukee	3Y170
1 3/8 in.	1/2 in.	Yes	Milwaukee	3Y172
1 1/2 in.	2 in.	Yes	Milwaukee	48Z628
1 1/8 in.	2 in.	Yes	Milwaukee	48Z629
<b>Two-Piece Alternate-Tooth Carbide-Tipped Annular Cutters</b>				
<b>Bright (Uncoated), Tang Shank Shank</b>				
9/16 in.	1 in.	No	Milwaukee	48Z570
9/16 in.	1 in.	No	Milwaukee	48Z571
<b>Bright (Uncoated), Threaded Shank</b>				
3/4 in.	2 in.	Yes	Milwaukee	4AK56
1 1/8 in.	2 in.	Yes	Milwaukee	4AK57
7/8 in.	2 in.	No	Milwaukee	4AK58
1 1/8 in.	2 in.	Yes	Milwaukee	4AK59
1 in.	2 in.	Yes	Milwaukee	4AK60
1 1/8 in.	2 in.	Yes	Milwaukee	4AK61
1 1/8 in.	2 in.	Yes	Milwaukee	4AK62
1 3/8 in.	2 in.	Yes	Milwaukee	4AK63
1 1/4 in.	2 in.	Yes	Milwaukee	4AK64
1 3/8 in.	2 in.	Yes	Milwaukee	4AK66
1 1/2 in.	2 in.	Yes	Milwaukee	4AK68
1 1/8 in.	2 in.	Yes	Milwaukee	4AK70
1 3/4 in.	2 in.	Yes	Milwaukee	48Z593
1 1/8 in.	2 in.	Yes	Milwaukee	48Z595
1 1/8 in.	2 in.	Yes	Milwaukee	4AK74
2 in.	2 in.	Yes	Milwaukee	4AK76
2 1/8 in.	2 in.	Yes	Milwaukee	48Z603
2 3/8 in.	2 in.	Yes	Milwaukee	48Z606
2 1/2 in.	2 in.	Yes	Milwaukee	48Z607
2 3/8 in.	2 in.	Yes	Milwaukee	48Z609
3 in.	2 in.	Yes	Milwaukee	48Z612
3 1/2 in.	2 in.	Yes	Milwaukee	48Z616
4 in.	2 in.	Yes	Milwaukee	48Z619