

Carbide Drill Mills







Bright (Uncoated) Finish 2 Flutes 19LJ60



Drill mills have a nose with a pointed tip and can drill holes or create angled features in a piece of stock. They are used for slotting, side profiling, chamfering, spotting, countersinking, and cutting grooves in milling tasks.

lo. of Flute	s Milling Dia.	Length of Cut	Overall Length	Shank Dia.	Brand	Item No.
AlTin Finis 30 ° Includ	h od Anglo					
2 1116144 2	¹ /8 in	½ in	1 ½ in	½ in	_	19LJ57
2	3∕16 in	5/8 in	2 in	3/16 in		19LJ59
2	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ61
2	½ in	1 in	3 in	½ in		19LJ69
2	5% in	1 ½ in	3 ½ in	5/8 in		19LJ71
4	1/8 in 3/16 in	½ in % in	1 ½ in 2 in	1/8 in 3/16 in		19LJ75 19LJ77
4	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ79
4	5/16 in	13/16 in	2 ½ in	5/16 in		19LJ81
4	3% in	1 in	2 ½ in 3 in	3% in		19LJ83
4	½ in	1 in	3 in	1/2 in		19LJ87
4	3/4 in	1 ½ in	4 in	3/4 in		19LJ91
2 ° Includ	ed Angle	17 :	4.47.5-	47 !		FFUERC
2	1/8 in	½ in	1 ½ in	1/8 in		55HF86
	3/16 in 1/4 in	5⁄8 in 3⁄4 in	2 in 2 ½ in 2 ½ in 2 ½ in 3 in	3/16 in 1/4 in		55HF88 55HF89
2	3/8 in	1 in	2 1/2 III	3/8 in		55HF90
2	½ in	1 in	3 in	½ in		55HF92
4	½ in	½ in	1 ½ in	½ in		55HF94
4	3∕16 in	5⁄8 in	2 in	3∕16 in		19LK03
4	1/4 in	3/4 in	2 ½ in	1/4 in		19LK05
4	3% in	1 in	2 ½ in	3⁄8 in		19LK07
0 ° Includ 2	ea Angle 1/8 in	½ in	1 ½ in	1/8 in	Micro 100	16T572
2	³ / ₁₆ in	5/8 in	2 in	3/16 in	Micro 100	16T576
2	3/16 in	5/8 in	2 in 2 in	3/16 in	IVIICIO 100	19LJ29
2	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ30
2	1/4 in	3/4 in	2 1/2 in	1/4 in	Micro 100	16T580
2	5/16 in	13/ ₁₆ in	2 1/6 in	5∕16 in	_	19LJ31
2	3/8 in	1 in	2 ½ in 2 ¾ in 3 in	3∕8 in	Micro 100	16T588
2	7/16 in	1 in	2 ¾ in	7/16 in		19LJ33
2	½ in	1 in	3 IN	½ in	Miere 100	19LJ34
	½ in % in	1 in	3 in 3 ½ in	½ in % in	Micro 100	16T596
2	3/4 in	1 ¼ in 1 ½ in	/I in	3/4 in		19LJ35 19LJ36
2	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T635
2	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T643
4	1/8 in	1/2 in	1 ½ in	1/8 in	Micro 100	16T574
4	1/8 in	½ in	1 ½ in	1/8 in		19LJ47
4	3/16 in	5⁄8 in	2 in	3/16 in		19LJ48
4	3/16 in	5% in	2 in 2 ½ in	3/16 in 1/4 in	Micro 100	16T578 19LJ49
4	1/4 in 1/4 in	3/4 in 3/4 in	2 ½ in	1/4 in	Micro 100	19LJ49 16T582
4	5/16 in	0.813 in	2 ½ in	5/16 in	Micro 100	16T586
4	5/16 in	13/16 in	2 ½ in	5/16 in		19LJ50
4	3% in	1 in	2 ½ in	3% in	Micro 100	16T590
4	3/8 in	1 in	2 ½ in	3/8 in	_	19LJ51
4	½ in	1 in	3 in	½ in	Micro 100	16T598
4	½ in	1 in 1 ¼ in	3 in 3 ½ in	½ in		19LJ53
4	5⁄8 in 3∕4 in	1 ½ in	4 in	5/8 in 3/4 in		19LJ54 19LJ55
4	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T639
4	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T647
20 ° İnclu	ded Angle					
2	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T617
2	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T625
2	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T633
4	1/4 in	3/4 in	2 ½ in 2 ½ in	1/4 in 3/8 in		19LJ93 19LJ95
4	3/8 in 3.000 mm	1 in 8.00 mm	38.0 mm	3.000 mm	Micro 100	19LJ95 16T613
4	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T645
right (Unc	oated) Finish	£2.00 IIIII	00.0 111111	J.000 IIIII	1411010 100	101040
0 ° Includ						
2	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ60
2	5∕16 in	13/16 in	2 ½ in	5/16 in		19LJ62
2	3⁄8 in	1 in	2 1/2 in	3/8 in		19LJ64
2	7/16 in	1 in	2 ³ ⁄ ₄ in 3 in	7/16 in		19LJ66
2	½ in	1 in	3 In	½ in	_	19LJ68

No. of Flutes		Length of Cut	Overall Length	Shank Dia.	Brand	Item No.
4	1/8 in 3/16 in	½ in % in	1 ½ in 2 in	1/8 in 3/16 in		19LJ74 19LJ76
4	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ78
4	5/16 in	13/16 in	2 ½ in	5/16 in		19LJ70
4	3/8 in	1 in	2 ½ in	3% in		19LJ82
4	1/2 in	1 in	3 in	½ in		19LJ86
82 ° Included	Analo	1 111	3 111	72 111		IBLJOU
2	½ in	½ in	1 ½ in	1/8 in		19LJ98
2	3/16 in	5/8 in	2 in	3/16 in		55HF87
2	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ99
2	3/8 in	1 in	2 ½ in	3% in		19LK01
2	1/2 in	1 in	3 in	½ in		55HF91
4	1/8 in	½ in	1 ½ in	½ in		55HF93
4	3/16 in	92 III 5⁄8 in	2 in	3/16 in		19LK02
	916 III	98 III	2 III	916 III		101 1/06
4	3/8 in 1/2 in	1 in	2 ½ in 3 in	3% in		19LK06 19LK08
		1 in	3 111	½ in		ISLKUS
90 ° Included		17.1	4 17 1	47.1	100	407574
2	½ in	½ in	1 ½ in	1/8 in	Micro 100	16T571
2	1/8 in	½ in	1 ½ IN	½ in		19LJ19
2	3/16 in	5/8 in	2 in	3/16 in	Widia Hanita	2NHF7
2	3/16 in	5⁄8 in	2 in	3/16 in		19LJ20
2	1/4 in	1/2 in	2 5/16 in	3/8 in	Cleveland	31C861
2	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ21
2	1/4 in	3/4 in	2 ½ in 2 ½ in	1/4 in	Micro 100	16T579
2	1/4 in	3/4 in	2 ½ in	1/4 in	Widia Hanita	2NHF8
2	5∕16 in	9/16 in	2 5/16 in	3⁄8 in	Cleveland	437Y37
2	5∕16 in	13/16 in	2 ½ in	5∕16 in	_	19LJ22
2	3/8 in	1 in	2 ½ in	3⁄8 in	_	19LJ23
2	3/8 in	1 in	2 ½ in	3/8 in	Widia Hanita	2NHG1
2	7/16 in	13/16 in	2 ½ in	3/8 in	Cleveland	31C868
2	7∕16 in	1 in	2 ¾ in	7/16 in	_	19LJ24
2	½ in	1 in	3 in	½ in	_	19LJ25
2	1/2 in	1 in	3 in	½ in	Cleveland	31C870
2	9/16 in	1 1/8 in	3 1/8 in	½ in	Cleveland	437Y38
2	5/8 in	1 1/4 in	3 ½ in	5/8 in		19LJ26
2	3/4 in	1 ½ in	4 in	3/4 in		19LJ27
2	1 in	1 ½ in	3 ¾ in	3/4 in	Cleveland	31C877
2	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T634
2	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T642
4	3/32 in	3% in	1 ½ in	½ in	- 100	19LJ37
4	1/8 in	½ in	1 ½ in	1/8 in		19LJ38
4	1/8 in	½ in	1 ½ in	½ in	Micro 100	16T573
4	3/16 in	5/8 in	2 in	3/16 in	IVIICIO 100	16T573 19LJ39
4	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ40
4		13/16 in	2 72 III	5/16 in		19LJ41
4	5∕16 in 3∕8 in		2 ½ in 2 ½ in	3/8 in		19LJ41
4		1 in				
	1/2 in	1 in	3 in	½ in	M: 100	19LJ44
4	½ in	1 in	3 in	½ in	Micro 100	16T597
4	5% in	1 1/4 in	3 ½ in	5⁄8 in		19LJ45
120 ° Include		10.00	F7.0	0.000	Min., 100	407007
2	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T624
2	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T632
4	1/4 in	3/4 in	2 ½ in	1/4 in		19LJ92
4	3/8 in	1 in	2 ½ in	3/8 in		19LJ94
4	1/2 in	1 in	3 in	½ in		19LJ96
TiCN Finish						
90 ° Included						
2	₹% in	1 ½ in	3 ¾ in	3/4 in	Cleveland	438L67
2	1 in	1 ½ in	3 ¾ in	3/4 in	Cleveland	31C879
TiN Finish						
90° Included						
2	1/4 in	½ in	2 5/16 in	3⁄8 in	Cleveland	31C862
2	3/8 in	9/16 in	2 5/16 in	3⁄8 in	Cleveland	31C866
2	7/16 in	13/16 in	2 ½ in	3/8 in	Cleveland	438L60
2	1/2 in	1 in	3 in	½ in	Cleveland	31C871
2	9/16 in	1 1/8 in	3 1/s in	½ in	Cleveland	438L61
	3/. in	1 5/16 in	3 %16 in	3/4 in	Cleveland	31C875
2	9/4 111					
2	3/4 in 7/8 in	1 ½ in	3 ¾ in	3/4 in		
	7/8 in 1 in	1 ½ in 1 ½ in	3 ¾ in 3 ¾ in	3/4 in 3/4 in	Cleveland Cleveland	438L63 31C878

Keyway End Mills





Keyway end mills make slots in parts so that key stock can be inserted into the slots when mating other components with the parts. These end mills are typically undersized, which means they create an undersized slot to ensure a snug, secure fit when key stock is inserted into the slot.

Milling Dia.	Length of Cut	Overall Length	Shank Dia.	Shank Type	Helix Angle	Brand	ltem No.		
Bright (Uncoated) Finish									
2 Flutes									
1/8 in	3∕8 in	2 5/16 in	3∕8 in	Straight	0°	Cleveland	438U15		
1/8 in	3/8 in	2 5/16 in	3/8 in	Weldon Flat		YG-1 Tool Company	55GE44		
3∕16 in	7∕16 in	2 5/16 in	3∕8 in	Weldon Flat	15°	YG-1 Tool Company	55GF73		
1/4 in	1/2 in	2 5/16 in	3∕8 in	Weldon Flat	15°	YG-1 Tool Company	55GG62		
1/4 in	½ in	2 7/16 in	3⁄8 in	Weldon Flat	30 °	Cleveland	438N58		
5∕16 in	9/16 in	2 ½ in	3∕8 in	Straight	0°	Cleveland	438U18		
3/8 in	9/16 in	2 ½ in	3/8 in	Straight	0 °	Cleveland	438U19		
3/8 in	9/16 in	2 5/16 in	3⁄8 in	Weldon Flat	15 °	YG-1 Tool Company	55GJ07		
7∕16 in	13/16 in	2 ½ in	3∕8 in	Weldon Flat	15°	YG-1 Tool Company	55GJ60		
1/2 in	1 in	3 1/4 in	½ in	Straight	0°	Cleveland	438U20		
1/2 in	1 in	3 in	1/2 in	Weldon Flat	15 °	YG-1 Tool Company	55GK31		
5⁄8 in	13/16 in	3 ⅓16 in	5⁄8 in	Weldon Flat	15°	YG-1 Tool Company	55GL14		
	Dia. Bright (Ui 2 Flutes 1/8 in 1/8 in 1/4 in 1/4 in 1/4 in 1/4 in 1/8 in 1/8 in 1/8 in 1/8 in 1/16 in 1/16 in 1/2 in 1/2 in	Dia of Cut Bright (Uncoated) 2 Flutes 1/4 in 1/4 i	Dia. of Cut Length Bright (Uncoated) Finish 2 Flutes Vs in %s in 2 %s in 1 %s in 2 %s in 1 %s in 2 %s in 1 %s in 1 %s in 2 %s in 1 %s in 1 %s in 2 %s in 1 %s in 1 %s in 2 %s in 1 %s in 1 %s in 2 %s in 1 %s in 1 %s in 2 %s in 1 %s in 1 3 %s	Dia. of Cut Length Dia. Bright (Uncoated) Finish 2 Flutes 1/6 in 3/6 in 2 5/6 in 3/6 in 3/6 in 1 2 5/6 in 3/6 in 3/6 in 1 2 5/6 in 3/6 in 1 2 1/6 in 3/6 in 3/6 in 1 2 1/6 in 3/6 in 1 3/6 in 1 2 1/6 in 3/6 in 1 3/6 in 1 2 1/6 in 3/6 in 1 3/6 in 3/6 in 1 3/6 in 3/6 in 1 3/6 in	Dia. Of Cut Length Dia. Shank Type Bright (Uncoated) Finish	Dia. Of Cut Length Dia. Shank Type Helix Angle	Dia. Shank Type Helix Angle Brand		

TiN Finish 2 Flutes 55GG63



IVIIIIIIII	Lengtn	uveraii	ъпапк				item
Dia.	of Cut	Length	Dia.	Shank Type H	lelix Angle	Brand	No.
3/4 in	1 5/16 in	3 1/8 in	3/4 in	Straight	0°	Cleveland	438U22
3/4 in	1 5/16 in	3 % in	3/4 in	Weldon Flat	15°	YG-1 Tool Company	55GM13
₹% in	1 ½ in	4 1/8 in	7∕8 in	Straight	0°	Cleveland	438U23
1 in	1 5/8 in	4 ½ in	1 in	Straight	0°	Cleveland	438U24
TiCN Fin	ish						
2 Flutes							
1/4 in	½ in	2 1/16 in	3/8 in	Weldon Flat	30°	Cleveland	438F90
5/8 in	1 5/16 in	3 1/4 in	5⁄8 in	Weldon Flat	30°	Cleveland	438F97
TiN Finis	h						
2 Flutes							
3/16 in	7∕16 in	2 5/16 in	3/8 in	Weldon Flat	15°	YG-1 Tool Company	55GF74
1/4 in	½ in	2 5/16 in	3/8 in	Weldon Flat	15°	YG-1 Tool Company	55GG63
1/4 in	½ in	2 1/16 in	3⁄8 in	Weldon Flat	30°	Cleveland	438F74
3/8 in	9/16 in	2 5/16 in	3/8 in	Weldon Flat	15 °	YG-1 Tool Company	55GJ08
½ in	1 in	3 in	1/2 in	Weldon Flat	15°	YG-1 Tool Company	55GK32
5/8 in	13/16 in	3 7/16 in	5⁄8 in	Weldon Flat	15°	YG-1 Tool Company	55GL15
3/4 in	1 5/16 in	3 % in	3/4 in	Weldon Flat	15°	YG-1 Tool Company	55GM14
3/4 in	1 5/16 in	3 1/8 in	3/4 in	Weldon Flat	30°	Cleveland	438F81
7∕8 in	1 ½ in	4 1/8 in	⅓ in	Weldon Flat	30°	Cleveland	438F83

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