

1-800-GRAINGER (472-4643)

Carbide Drill Mills

MICRO 100 WIDIA HANITA

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.

Bright (Uncoated) Finish
2 Flutes
19LJ56



No. of Flutes	Milling Dia.	Length of Cut	Overall Length	Shank Dia.	Brand	Item No.
AlTiN Finish						
82°						
2 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	55HF88
2 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	55HF89
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	55HF90
2 Flutes	1/2 in	1 in	3 in	1/2 in	—	55HF92
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	55HF94
90°						
2 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	Micro 100	16T572
2 Flutes	3/16 in	3/8 in	2 in	3/16 in	Micro 100	16T576
2 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	Micro 100	16T580
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T584
2 Flutes	1/2 in	1 in	3 in	1/2 in	Micro 100	16T588
2 Flutes	3/8 in	1 in	3 in	3/8 in	Micro 100	16T596
2 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	16T601
2 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	16T605
2 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T611
2 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T619
2 Flutes	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T627
2 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T635
2 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T643
2 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T651
2 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T659
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	Micro 100	16T574
4 Flutes	3/16 in	3/8 in	2 in	3/16 in	Micro 100	16T578
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	Micro 100	16T582
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T586
4 Flutes	1/2 in	1 in	3 in	1/2 in	Micro 100	16T598
4 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	16T603
4 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	16T607
4 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T615
4 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T623
4 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T639
4 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T647
4 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T655
120°						
2 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T609
2 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T617
2 Flutes	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T625
2 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T633
2 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T657
4 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T613
4 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T621
4 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T645
Bright (Uncoated) Finish						
60°						
2 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	19LJ56
2 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	19LJ58
2 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LJ60
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LJ62
2 Flutes	1/2 in	1 in	3 in	1/2 in	—	19LJ64
2 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	—	19LJ66
2 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	—	19LJ70
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	19LJ74
4 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	19LJ76
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LJ78
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LJ80
4 Flutes	1/2 in	1 in	3 in	1/2 in	—	19LJ82
4 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	—	19LJ84
4 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	—	19LJ86
4 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T611
4 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T619
4 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T635
4 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T643
4 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T651
4 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T659
82°						
2 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	19LJ98
2 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	55HF87
2 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LJ99
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LK01

No. of Flutes	Milling Dia.	Length of Cut	Overall Length	Shank Dia.	Brand	Item No.
2 Flutes	1/2 in	1 in	3 in	1/2 in	—	55HF91
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	55HF93
4 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	19LK02
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LK04
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LK06
4 Flutes	1/2 in	1 in	3 in	1/2 in	—	19LK08
90°						
2 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	Micro 100	16T571
2 Flutes	3/16 in	3/8 in	2 in	3/16 in	Micro 100	19LJ19
2 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	Micro 100	16T575
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	2NHF7
2 Flutes	1/2 in	1 in	3 in	1/2 in	Micro 100	19LJ20
2 Flutes	3/8 in	1 in	3 in	3/8 in	Micro 100	2NHF8
2 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	16T579
2 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	19LJ21
2 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	16T583
2 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	19LJ22
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	2NHF11
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T587
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	19LJ23
2 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	19LJ24
2 Flutes	3/8 in	1 in	3 in	3/8 in	Micro 100	19LJ25
2 Flutes	3/8 in	1 in	3 in	3/8 in	Micro 100	16T595
2 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	19LJ26
2 Flutes	3/8 in	1 1/2 in	4 in	3/8 in	Micro 100	16T604
2 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	19LJ27
2 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T610
2 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T618
2 Flutes	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T626
2 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T634
2 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T642
2 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T650
2 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T658
4 Flutes	3/32 in	3/8 in	1 1/2 in	1/8 in	—	19LJ37
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	—	19LJ38
4 Flutes	1/8 in	1/2 in	1 1/2 in	1/8 in	Micro 100	16T573
4 Flutes	3/16 in	3/8 in	2 in	3/16 in	Micro 100	16T577
4 Flutes	3/16 in	3/8 in	2 in	3/16 in	—	19LJ39
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	Micro 100	16T581
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LJ40
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T585
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LJ41
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T589
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LJ42
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	Micro 100	16T597
4 Flutes	3/8 in	1 in	3 in	3/8 in	—	19LJ44
4 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	Micro 100	16T602
4 Flutes	3/8 in	1 1/4 in	3 1/2 in	3/8 in	—	19LJ45
4 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	Micro 100	16T606
4 Flutes	3/4 in	1 1/2 in	4 in	3/4 in	—	19LJ46
4 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T614
4 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T622
4 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T638
4 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T646
4 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T654
4 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T662
120°						
2 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T608
2 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T616
2 Flutes	5.000 mm	13.00 mm	57.0 mm	6.000 mm	Micro 100	16T624
2 Flutes	6.000 mm	16.00 mm	57.0 mm	6.000 mm	Micro 100	16T632
2 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T640
2 Flutes	10.000 mm	25.00 mm	72.0 mm	10.000 mm	Micro 100	16T648
2 Flutes	12.000 mm	30.00 mm	83.0 mm	12.000 mm	Micro 100	16T656
4 Flutes	1/4 in	3/4 in	2 1/2 in	1/4 in	—	19LJ92
4 Flutes	3/8 in	1 in	2 1/2 in	3/8 in	—	19LJ94
4 Flutes	1/2 in	1 in	3 in	1/2 in	—	19LJ96
4 Flutes	3.000 mm	8.00 mm	38.0 mm	3.000 mm	Micro 100	16T612
4 Flutes	4.000 mm	11.00 mm	50.0 mm	4.000 mm	Micro 100	16T620
4 Flutes	8.000 mm	22.00 mm	63.0 mm	8.000 mm	Micro 100	16T644

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.	Helix Angle	Brand	Item No.
Bright (Uncoated) Finish						
2 Flutes						
1/8 in	3/8 in	2 3/4 in	3/8 in	15°	YG-1 Tool Company	55GE44
3/16 in	3/8 in	2 3/4 in	3/8 in	15°	YG-1 Tool Company	55GF73
1/4 in	1/2 in	2 1/2 in	3/8 in	30°	Cleveland	438N58
3/8 in	3/4 in	2 1/2 in	3/8 in	0°	Cleveland	438U19
3/8 in	3/4 in	2 1/2 in	3/8 in	15°	YG-1 Tool Company	55GJ07
1/2 in	1 in	3 in	1/2 in	15°	YG-1 Tool Company	55GK31
3/8 in	1 3/8 in	3 1/4 in	3/8 in	15°	YG-1 Tool Company	55GL14
3/8 in	1 3					