

## Tapered End Mills

### High Speed Steel (continued)

#### 3° per Side

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
0.062	1	3/8	2-7/8	313488
0.070	1-1/2	3/8	3-1/4	313489
3/32	1	3/8	2-7/8	313490
3/32	1-1/4	3/8	3-1/8	313491
3/32	1-1/2	3/8	3-1/4	313492
3/32	2	3/8	3-5/8	313493
3/32	2-1/2	3/8	4-1/2	313494
7/64	1	3/8	2-7/8	313495
7/64	1-1/2	3/8	3-1/4	313496
7/64	2	3/8	3-5/8	313497
1/8	3/4	3/8	2-1/2	313498
1/8	1	3/8	2-7/8	313499
1/8	1-1/4	3/8	3-1/8	313500
1/8	1-1/2	3/8	3-1/4	313501
1/8	2	3/8	3-5/8	313502
1/8	2-1/2	3/8	4-1/2	313503
1/8	3	3/8	5	313504
1/8	1-1/8	3/8	2-3/4	313505
5/32	1	3/8	2-7/8	313506
5/32	1-1/4	3/8	3-1/8	313507

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
5/32	1-1/2	3/8	3-1/4	313508
5/32	2	3/8	3-5/8	313509
3/16	3/4	3/8	2-1/2	313510
3/16	1-1/4	3/8	3-1/8	313511
3/16	1-1/2	3/8	3-1/8	313512
3/16	2-1/2	1/2	4-1/2	313513
3/16	3	1/2	5	313514
3/16	3-1/4	5/8	5-1/2	313515
3/16	4	5/8	6-1/2	313516
3/16	5	3/4	7-1/4	313517
1/4	3/4	3/8	2-1/2	313518
1/4	1	3/8	2-3/4	313519
1/4	1-1/4	3/8	3-1/8	313520
1/4	2-1/4	1/2	4-1/4	313521
1/4	3-1/4	5/8	5-1/2	313522
1/4	4	5/8	6-1/2	313523
1/4	5	3/4	7-3/8	313524
3/8	1-1/4	1/2	3-1/8	313525

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
3/8	2-1/4	5/8	4-1/4	313526
3/8	3-1/4	3/4	5-1/2	313527
3/8	4	3/4	6-1/2	313528
3/8	5	3/4	7-1/2	313529
1/2	1-1/4	1/2	3-1/8	313530
1/2	2-1/4	5/8	4-1/4	313531
1/2	2-1/4	1/2	4-1/8	313532
1/2	2-1/4	3/4	5-1/2	313533
1/2	4	3/4	6-1/2	313534
1/2	5	1	7-1/2	313535
5/8	2-1/4	3/4	4-1/2	313536
5/8	3-1/4	3/4	5-1/2	313537
5/8	4	1	6-1/2	313538
5/8	5	1	7-1/2	313539
3/4	2-1/4	1	4-3/4	313540
3/4	3-1/4	1	5-3/4	313541
3/4	4	1	6-1/2	313542
3/4	5	1	7-1/2	313543

#### 4° per Side

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
1/8	3/4	3/8	2-1/2	313544
1/8	1	3/8	2-7/8	313545
1/8	1-1/2	3/8	3-1/4	313546
1/8	2	1/2	3-7/8	313547
1/8	2-1/2	1/2	4-1/2	313548
3/16	3/4	3/8	2-1/2	313549
3/16	1-1/4	3/8	3-1/8	313550
3/16	2-1/2	1/2	4-1/2	313551

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
3/16	3-1/4	5/8	5-1/2	313552
3/16	4	3/4	6-1/2	313553
1/4	3/4	3/8	2-1/2	313554
1/4	1-1/4	1/2	3-1/8	313555
1/4	2-1/4	5/8	4-1/4	313556
1/4	3-1/4	3/4	5-1/2	313557
1/4	4	3/4	6-1/2	313558
3/8	1-1/4	1/2	3-1/8	313559

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
3/8	2-1/4	5/8	4-1/4	313560
3/8	3-1/4	3/4	5-1/2	313561
3/8	4	3/4	6-1/2	313562
1/2	1-1/4	1/2	3-1/8	313563
1/2	2-1/4	3/4	4-1/2	313564
1/2	3-1/4	3/4	5-1/2	313565
1/2	4	1	6-1/2	313566

#### 5° per Side

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
0.062	1-1/2	3/8	3-1/4	313567
0.070	1-1/2	3/8	3-1/4	313568
3/32	3/4	3/8	2-1/2	313569
3/32	1	3/8	2-7/8	313570
3/32	1-1/4	3/8	3-1/8	313571
3/32	1-1/2	3/8	3-1/4	313572
3/32	1-3/4	1/2	3-7/8	313573
3/32	2	1/2	3-7/8	313574
3/32	2-1/2	1/2	4-1/2	313575
7/64	1	3/8	2-7/8	313576
7/64	1-1/2	3/8	3-1/4	313577
7/64	2	1/2	3-7/8	313578
1/8	3/4	3/8	2-1/2	313579
1/8	1	3/8	2-7/8	313580
1/8	1-1/8	3/8	3	313581
1/8	1-1/4	3/8	3-1/8	313582

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
1/8	1-1/2	3/8	3-1/4	313583
1/8	2	1/2	3-7/8	313584
1/8	2	3/8	3-7/8	313585
1/8	2-1/2	1/2	4-1/2	313586
1/8	3	3/4	5-1/2	313587
1/8	3	1/2	5-1/2	313588
5/32	1	3/8	2-7/8	313589
5/32	1-1/2	1/2	3-3/4	313590
3/16	3/4	3/8	2-1/2	313591
3/16	1-1/4	1/2	3-1/8	313592
3/16	1-1/2	1/2	3-1/8	313593
3/16	2-1/2	1/2	4-1/2	313594
3/16	3	1/2	5	313595
3/16	3	3/4	5-1/2	313596
3/16	3-1/4	3/4	5-1/2	313597
3/16	4	3/4	6-1/2	313598

Tip Diameter (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Overall Length (Inch)	Code
3/16	5	1	7-1/2	313599
1/4	3/4	3/8	2-1/2	313600
1/4	1	1/2	2-7/8	313601
1/4	1-1/4	1/2	3-1/8	313602
1/4	2-1/4	5/8	4-1/4	313603
1/4	3-1/4	3/4	5-1/2	313604
1/4	4	3/4	6-1/2	313605
3/8	1-1/4	1/2	3-1/8	313606
3/8	2-1/4	3/4	4-1/4	313607
3/8	3-1/4	3/4	5-1/2	313608
3/8	4	1	6-1/2	313609
1/2	1-1/4	1/2	3-1/8	313610
1/2	2-1/4	3/4	4-1/4	313611
1/2	3-1/4	3/4	5-3/4	313612
1/2	4	1	6-1/2	313613
3/4	4	1-1/4	6-1/2	313614

END MILLS & ROUGHERS