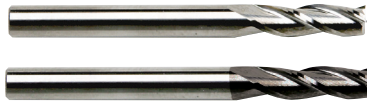


3-Flute Regular Length Carbide End Mills



3-flute carbide end mills offer maximum chip clearance therefore reducing chip packing.

For: End milling, Slotting, Sinking
On: Steels, Cast Iron, Aluminum, Copper, Brass, Plastics, and Abrasive Type Materials



Bright: Speeds & Feeds > P. A30

Cutting Dia.	Shank Dia.	Flute Length	Overall Length	Bright Code No.	Price \$	TiAlN Code No.	Price \$
Inch							
1/16	1/8	3/16	1-1/2	101080	10.22	102353	12.89
5/64	1/8	3/16	1-1/2	101081	10.22	102354	12.89
3/32	1/8	5/16	1-1/2	101082	9.66	102355	12.32
7/64	1/8	7/16	1-1/2	101083	9.66	102356	12.32
1/8	1/8	1/2	1-1/2	101084	8.92	102357	11.57
9/64	3/16	1/2	2	101085	13.19	102358	15.84
5/32	3/16	9/16	2	101086	13.19	102359	15.84
11/64	3/16	5/8	2	101087	13.19	102361	15.84
3/16	3/16	5/8	2	101088	12.53	102363	15.15
13/64	1/4	5/8	2-1/2	101089	16.57	102365	22.07
7/32	1/4	5/8	2-1/2	101090	16.57	102367	22.07
15/64	1/4	3/4	2-1/2	101091	16.57	102369	22.07
1/4	1/4	3/4	2-1/2	101092	15.08	102371	20.56
17/64	5/16	3/4	2-1/2	101093	26.46	102373	34.65
9/32	5/16	3/4	2-1/2	101094	26.46	102375	34.65
19/64	5/16	13/16	2-1/2	101095	26.46	102377	34.65
5/16	5/16	13/16	2-1/2	101096	21.16	102379	29.35
3/8	3/8	1	2-1/2	101097	26.37	102381	34.53
7/16	7/16	1	2-3/4	101098	32.15	102383	41.48
1/2	1/2	1	3	101099	42.21	102384	51.52
9/16	9/16	1-1/8	3-1/2	101100	72.11	102385	85.56
5/8	5/8	1-1/4	3-1/2	101101	81.40	102386	94.87
11/16	3/4	1-3/8	4	101102	135.56	-	-
3/4	3/4	1-1/2	4	101103	119.34	102388	135.24
7/8	7/8	1-1/2	4	101104	171.74	102389	195.21
1	1	1-1/2	4	101105	178.55	102390	201.99
Metric							
1	3	3	39	101490	11.57	102391	14.22
1.5	3	5	39	101491	11.57	102392	14.22
2	3	7	39	101492	10.72	102393	13.37
3	3	10	39	101494	9.38	-	-
3.5	4	12	51	101495	13.87	102396	16.52
4	4	14	51	101496	13.15	-	-
4.5	5	14	51	101497	16.10	102398	20.23
5	5	16	51	101498	15.36	102399	20.82
6	6	19	64	101499	15.84	102401	21.30
7	8	19	64	101500	21.76	102403	29.93
8	8	21	64	101501	22.21	102405	30.41
9	10	22	70	101502	27.66	102407	35.86
10	10	25	70	101503	32.07	102409	41.38
11	11	25	70	101504	33.77	-	-
12	12	25	76	101505	44.34	102413	53.63
14	14	30	89	101506	75.70	102415	89.16
16	16	32	89	101507	85.48	102417	98.95
18	18	35	102	101508	125.33	102419	141.21
20	20	38	102	101509	159.33	102421	182.82
22	22	38	102	101510	177.06	102423	200.52
25	25	38	102	101511	185.12	102425	222.15

3-Flute Ball Nose Regular Length



3-flute carbide end mills offer maximum chip clearance therefore reducing chip packing.

For: End Milling, Slotting, Sinking
On: Steels, Cast Iron, Aluminum, Copper, Brass, Plastics, and Abrasive Type Materials



Bright: Speeds & Feeds > P. A32

Cutting Dia.	Shank Dia.	Flute Length	Overall Length	Bright Code No.	Price \$	TiAlN Code No.	Price \$
Inch							
1/16	1/8	3/16	1-1/2	101110	13.19	102455	15.84
5/64	1/8	3/16	1-1/2	101111	13.19	102457	15.84
3/32	1/8	5/16	1-1/2	101112	12.61	102459	15.26
7/64	1/8	7/16	1-1/2	101113	12.61	102461	15.26
1/8	1/8	1/2	1-1/2	101114	11.44	102463	14.10
9/64	3/16	1/2	2	101115	16.79	102465	19.46
5/32	3/16	9/16	2	101116	16.79	102467	19.46
11/64	3/16	5/8	2	101117	16.79	102469	19.46
3/16	3/16	5/8	2	101118	15.08	102470	17.73
13/64	1/4	5/8	2-1/2	101119	19.53	102471	25.01
7/32	1/4	5/8	2-1/2	101120	19.53	102472	25.01
15/64	1/4	3/4	2-1/2	101121	19.53	102473	25.01
1/4	1/4	3/4	2-1/2	101122	18.74	102474	24.19
17/64	5/16	3/4	2-1/2	101123	29.32	102475	37.50
9/32	5/16	3/4	2-1/2	101124	29.32	102476	37.50
19/64	5/16	13/16	2-1/2	101125	29.32	102477	37.50
5/16	5/16	13/16	2-1/2	101126	24.56	102478	32.78
3/8	3/8	1	2-1/2	101127	30.06	102479	38.28
7/16	7/16	1	2-3/4	101128	37.00	102481	46.28
1/2	1/2	1	3	101129	55.95	102483	65.29
9/16	9/16	1-1/8	3-1/2	101130	81.49	-	-
5/8	5/8	1-1/4	3-1/2	101131	90.49	102487	103.94
11/16	3/4	1-3/8	4	101132	150.64	-	-
3/4	3/4	1-1/2	4	101133	133.17	102491	149.06
7/8	7/8	1-1/2	4	101134	213.35	-	-
1	1	1-1/2	4	101135	230.99	102495	254.48
Metric							
1	3	3	39	101520	14.68	102497	17.32
1.5	3	5	39	101521	14.68	102499	17.32
2	3	7	39	101522	13.83	102501	16.50
2.5	3	8	39	101523	13.26	102503	15.89
3	3	10	39	101524	12.03	102505	14.68
3.5	4	12	51	101525	17.66	102507	20.30
4	4	14	51	101526	15.84	102509	18.48
4.5	5	14	51	101527	19.94	102511	24.07
5	5	16	51	101528	19.20	102513	24.67
6	6	19	64	101529	19.69	102515	25.14
7	8	19	64	101530	25.27	-	-
8	8	21	64	101531	25.84	102519	34.00
9	10	22	70	101532	31.58	102521	39.75
10	10	25	70	101533	36.90	102523	46.21
11	11	25	70	101534	38.84	-	-
12	12	25	76	101535	58.77	102527	68.05
14	14	30	89	101536	85.56	102529	99.01
16	16	32	89	101537	95.00	102531	108.46
18	18	35	102	101538	139.81	102533	155.71
20	20	38	102	101539	187.48	102535	210.96
22	22	38	102	101540	208.23	102537	231.73
25	25	38	102	101541	218.31	102539	241.78

Prices in this catalogue are subject to change without notice. If there is a discrepancy between a product price listed in this catalogue and that listed on www.sowatool.com, the price on our website will take precedence.

Images are representational only and may not reflect actual product.

Tolerances - Inch

Size	Diameter	Shank Diameter
3/32 thru 1"	+0.000"-0.002"	+0.0000"-0.0005"

Tolerances - Metric

Size	Diameter	Shank Diameter
1mm-25mm	+0.000mm-0.051mm	+0.000mm-0.013mm

Steel

Stainless Steel

Cast Iron/Hardened

Aluminum