

Carbide End Mills

YOUR #1 SOURCE FOR AMERICAN-MADE PREMIUM CUTTING TOOLS

4 FLUTE - REGULAR LENGTH - BALL NOSE - 30° HELIX

SERIES 115
UNCOATED



SERIES 116
ALTiN COATED



SERIES 915
TiCN COATED



DIA	SHANK	LOC	OAL	UNCOATED	LIST PRICE	ALTiN	LIST PRICE	TiCN	LIST PRICE
1/64	1/8	1/32	1-1/2	TC11501	29.24	TC11601	39.18	TC91501	39.18
1/32	1/8	1/8	1-1/2	TC11502	18.71	TC11602	24.30	TC91502	24.30
3/64	1/8	1/8	1-1/2	TC11503	18.71	TC11603	24.30	TC91503	24.30
1/16	1/8	1/4	1-1/2	TC11504	17.34	TC11604	23.42	TC91504	23.42
5/64	1/8	1/4	1-1/2	TC11505	17.34	TC11605	23.42	TC91505	23.42
3/32	1/8	3/8	1-1/2	TC11506	18.19	TC11606	24.60	TC91506	24.60
7/64	1/8	3/8	1-1/2	TC11507	18.19	TC11607	24.60	TC91507	24.60
1/8	1/8	1/2	1-1/2	TC11508	16.68	TC11608	22.54	TC91508	22.54
9/64	3/16	9/16	2	TC11509	24.45	TC11609	33.03	TC91509	33.03
5/32	3/16	9/16	2	TC11510	24.45	TC11610	33.03	TC91510	33.03
11/64	3/16	5/8	2	TC11511	24.45	TC11611	33.03	TC91511	33.03
3/16	3/16	5/8	2	TC11512	21.98	TC11612	29.68	TC91512	29.68
13/64	1/4	5/8	2-1/2	TC11513	31.71	TC11613	40.39	TC91513	40.39
7/32	1/4	5/8	2-1/2	TC11514	31.71	TC11614	40.39	TC91514	40.39
15/64	1/4	3/4	2-1/2	TC11515	31.71	TC11615	40.39	TC91515	40.39
1/4	1/4	3/4	2-1/2	TC11516	29.86	TC11616	38.48	TC91516	38.48
17/64	5/16	3/4	2-1/2	TC11517	40.39	TC11617	51.96	TC91517	51.96
9/32	5/16	3/4	2-1/2	TC11518	40.47	TC11618	52.03	TC91518	52.03
19/64	5/16	13/16	2-1/2	TC11519	43.97	TC11619	57.70	TC91519	57.70
5/16	5/16	13/16	2-1/2	TC11520	37.23	TC11620	47.87	TC91520	47.87
21/64	3/8	1	2-1/2	TC11521	51.15	TC11621	69.04	TC91521	69.04
11/32	3/8	1	2-1/2	TC11522	53.69	TC11622	69.04	TC91522	69.04
23/64	3/8	1	2-1/2	TC11523	51.15	TC11623	69.04	TC91523	69.04
3/8	3/8	1	2-1/2	TC11524	39.84	TC11624	56.30	TC91524	56.30
25/64	7/16	1	2-3/4	TC11525	69.26	TC11625	89.26	TC91525	89.26
13/32	7/16	1	2-3/4	TC11526	69.26	TC11626	89.26	TC91526	89.26
27/64	7/16	1	2-3/4	TC11527	69.26	TC11627	89.26	TC91527	89.26
7/16	7/16	1	2-3/4	TC11528	58.95	TC11628	76.00	TC91528	76.00
29/64	1/2	1	3	TC11529	91.32	TC11629	117.76	TC91529	117.76
15/32	1/2	1	3	TC11530	91.32	TC11630	117.76	TC91530	117.76
31/64	1/2	1	3	TC11531	91.32	TC11631	117.76	TC91531	117.76
1/2	1/2	1	3	TC11532	80.86	TC11632	104.21	TC91532	104.21
9/16	9/16	1-1/4	3-1/2	TC11536	123.25	TC11636	151.67	TC91536	151.67
5/8	5/8	1-1/4	3-1/2	TC11540	130.76	TC11640	168.54	TC91540	168.54
3/4	3/4	1-1/2	4	TC11548	192.66	TC11648	251.06	TC91548	251.06
7/8	7/8	1-1/2	4	TC11556	373.09	TC11656	474.06	TC91556	474.06
1	1	1-1/2	4	TC11564	344.11	TC11664	443.42	TC91564	443.42

For coating information see page 6. For technical information, please see pages 224, 228-229.

DIMENSIONS	CHAMFER	SHANK	TAPER
1/8" - 7/64"	+0.000, -0.001	-0.001, -0.004 ISO H6	+0.01, -0.01
1/8" - 1/2"	+0.000, -0.002	-0.001, -0.004 ISO H6	+0.01, -0.01
9/16" - 1"	+0.000, -0.003	-0.001, -0.004 ISO H6	+0.01, -0.01