

Carbide End Mills

YOUR #1 SOURCE FOR AMERICAN-MADE PREMIUM CUTTING TOOLS

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

SERIES 110
UNCOATED



SERIES 111
ALTiN COATED



SERIES 910
TiCN COATED



DIA	SHANK	LOC	OAL	UNCOATED	LIST PRICE	ALTiN	LIST PRICE	TiCN	LIST PRICE
1/64	1/8	1/32	1-1/2	TC11001	29.24	TC11101	39.18	TC91001	39.18
1/32	1/8	1/8	1-1/2	TC11002	18.71	TC11102	24.30	TC91002	24.30
3/64	1/8	1/8	1-1/2	TC11003	18.71	TC11103	24.30	TC91003	24.30
1/16	1/8	1/4	1-1/2	TC11004	17.34	TC11104	23.42	TC91004	23.42
5/64	1/8	1/4	1-1/2	TC11005	17.34	TC11105	23.42	TC91005	23.42
3/32	1/8	3/8	1-1/2	TC11006	18.19	TC11106	24.60	TC91006	24.60
7/64	1/8	3/8	1-1/2	TC11007	18.19	TC11107	24.60	TC91007	24.60
1/8	1/8	1/2	1-1/2	TC11008	16.68	TC11108	22.54	TC91008	22.54
9/64	3/16	9/16	2	TC11009	24.45	TC11109	33.03	TC91009	33.03
5/32	3/16	9/16	2	TC11010	24.45	TC11110	33.03	TC91010	33.03
11/64	3/16	5/8	2	TC11011	24.45	TC11111	33.03	TC91011	33.03
3/16	3/16	5/8	2	TC11012	21.98	TC11112	29.68	TC91012	29.68
13/64	1/4	5/8	2-1/2	TC11013	32.00	TC11113	40.39	TC91013	40.39
7/32	1/4	5/8	2-1/2	TC11014	32.00	TC11114	40.39	TC91014	40.39
15/64	1/4	3/4	2-1/2	TC11015	32.00	TC11115	40.39	TC91015	40.39
1/4	1/4	3/4	2-1/2	TC11016	30.92	TC11116	38.48	TC91016	38.48
17/64	5/16	3/4	2-1/2	TC11017	40.39	TC11117	51.96	TC91017	51.96
9/32	5/16	3/4	2-1/2	TC11018	40.47	TC11118	52.03	TC91018	52.03
19/64	5/16	13/16	2-1/2	TC11019	43.97	TC11119	57.70	TC91019	57.70
5/16	5/16	13/16	2-1/2	TC11020	37.23	TC11120	47.87	TC91020	47.87
21/64	3/8	1	2-1/2	TC11021	51.15	TC11121	69.04	TC91021	69.04
11/32	3/8	1	2-1/2	TC11022	53.69	TC11122	69.04	TC91022	69.04
23/64	3/8	1	2-1/2	TC11023	51.15	TC11123	69.04	TC91023	69.04
3/8	3/8	1	2-1/2	TC11024	39.84	TC11124	56.30	TC91024	56.30
25/64	7/16	1	2-3/4	TC11025	69.26	TC11125	89.26	TC91025	89.26
13/32	7/16	1	2-3/4	TC11026	69.26	TC11126	89.26	TC91026	89.26
27/64	7/16	1	2-3/4	TC11027	69.26	TC11127	89.26	TC91027	89.26
7/16	7/16	1	2-3/4	TC11028	58.95	TC11128	76.00	TC91028	76.00
29/64	1/2	1	3	TC11029	91.32	TC11129	117.76	TC91029	117.76
15/32	1/2	1	3	TC11030	91.32	TC11130	117.76	TC91030	117.76
31/64	1/2	1	3	TC11031	91.32	TC11131	117.76	TC91031	117.76
1/2	1/2	1	3	TC11032	80.86	TC11132	104.21	TC91032	104.21
9/16	9/16	1-1/4	3-1/2	TC11036	123.25	TC11136	151.67	TC91036	151.67
5/8	5/8	1-1/4	3-1/2	TC11040	130.76	TC11140	168.54	TC91040	168.54
3/4	3/4	1-1/2	4	TC11048	192.66	TC11148	251.06	TC91048	251.06
7/8	7/8	1-1/2	4	TC11056	373.09	TC11156	474.06	TC91056	474.06
1	1	1-1/2	4	TC11064	344.11	TC11164	443.42	TC91064	443.42

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

TOLERANCES	DIAMETER	SHANK	RADIUS
1/64" - 7/64"	+0.000, -0.001	+0.001, -0.004 ISO H6	+0.001, -0.001
1/8" - 1/2"	+0.000, -0.002	+0.001, -0.004 ISO H6	+0.001, -0.001
3/16" - 1"	+0.000, -0.003	+0.001, -0.004 ISO H6	+0.001, -0.001