

## 2 FLUTE - STUB LENGTH - SQUARE END - 30° HELIX



**SERIES 102**  
UNCOATED

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/64	1/8	0.023	1-1/2	TC10201	24.34
1/32	1/8	1/16	1-1/2	TC10202	14.99
3/64	1/8	3/32	1-1/2	TC10203	14.99
1/16	1/8	1/8	1-1/2	TC10204	11.22
5/64	1/8	1/8	1-1/2	TC10205	18.97
3/32	1/8	3/16	1-1/2	TC10206	11.22
1/8	1/8	1/4	1-1/2	TC10208	10.71
5/32	3/16	5/16	2	TC10210	17.84
3/16	3/16	3/8	2	TC10212	16.75
7/32	1/4	7/16	2	TC10214	22.51
1/4	1/4	1/2	2	TC10216	19.75
5/16	5/16	1/2	2	TC10220	26.68
3/8	3/8	5/8	2	TC10224	34.43
7/16	7/16	5/8	2-1/2	TC10228	42.96
1/2	1/2	5/8	2-1/2	TC10232	54.25
5/8	5/8	3/4	3	TC10240	114.85
3/4	3/4	1	3	TC10248	160.77



**SERIES 112**  
ALTiN COATED

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/64	1/8	0.023	1-1/2	TC11201	30.42
1/32	1/8	1/16	1-1/2	TC11202	19.43
3/64	1/8	3/32	1-1/2	TC11203	19.43
1/16	1/8	1/8	1-1/2	TC11204	14.64
5/64	1/8	1/8	1-1/2	TC11205	23.72
3/32	1/8	3/16	1-1/2	TC11206	14.64
1/8	1/8	1/4	1-1/2	TC11208	13.98
5/32	3/16	5/16	2	TC11210	22.04
3/16	3/16	3/8	2	TC11212	20.76
7/32	1/4	7/16	2	TC11214	27.93
1/4	1/4	1/2	2	TC11216	24.54
5/16	5/16	1/2	2	TC11220	34.70
3/8	3/8	5/8	2	TC11224	42.65
7/16	7/16	5/8	2-1/2	TC11228	53.32
1/2	1/2	5/8	2-1/2	TC11232	67.38
5/8	5/8	3/4	3	TC11240	135.69
3/4	3/4	1	3	TC11248	198.94

## 2 FLUTE - STUB LENGTH - BALL NOSE - 30° HELIX



**SERIES 103**  
UNCOATED

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/64	1/8	0.023	1-1/2	TC10301	30.38
1/32	1/8	1/16	1-1/2	TC10302	19.51
3/64	1/8	3/32	1-1/2	TC10303	19.51
1/16	1/8	1/8	1-1/2	TC10304	14.68
5/64	1/8	1/8	1-1/2	TC10305	23.76
3/32	1/8	3/16	1-1/2	TC10306	14.68
1/8	1/8	1/4	1-1/2	TC10308	13.90
5/32	3/16	5/16	2	TC10310	23.17
3/16	3/16	3/8	2	TC10312	21.73
7/32	1/4	7/16	2	TC10314	29.21
1/4	1/4	1/2	2	TC10316	25.59
5/16	5/16	1/2	2	TC10320	34.62
3/8	3/8	5/8	2	TC10324	44.71
7/16	7/16	5/8	2-1/2	TC10328	55.93
1/2	1/2	5/8	2-1/2	TC10332	70.46
5/8	5/8	3/4	3	TC10340	134.56
3/4	3/4	1	3	TC10348	204.59



**SERIES 113**  
ALTiN COATED

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/64	1/8	0.023	1-1/2	TC11301	37.97
1/32	1/8	1/16	1-1/2	TC11302	24.97
3/64	1/8	3/32	1-1/2	TC11303	24.97
1/16	1/8	1/8	1-1/2	TC11304	18.77
5/64	1/8	1/8	1-1/2	TC11305	29.68
3/32	1/8	3/16	1-1/2	TC11306	18.77
1/8	1/8	1/4	1-1/2	TC11308	17.84
5/32	3/16	5/16	2	TC11310	29.68
3/16	3/16	3/8	2	TC11312	27.81
7/32	1/4	7/16	2	TC11314	37.39
1/4	1/4	1/2	2	TC11316	32.75
5/16	5/16	1/2	2	TC11320	44.32
3/8	3/8	5/8	2	TC11324	54.53
7/16	7/16	5/8	2-1/2	TC11328	68.20
1/2	1/2	5/8	2-1/2	TC11332	90.16
5/8	5/8	3/4	3	TC11340	164.75
3/4	3/4	1	3	TC11348	261.88

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

TOLERANCES	DIAMETER	SHANK	RADIUS
1/64" - 1/2"	+ .000, -.002	-.0001, -.0004 ISO H6	+ .001, -.001
3/8" - 1"	+ .000, -.003	-.0001, -.0004 ISO H6	+ .001, -.001