

Carbide Endmills

HIGH PERFORMANCE

FINE PITCH ROUGHER - REGULAR LENGTH - 4 FLUTE - 30° HELIX



SERIES 205
UNCOATED

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	3/4	2-1/2	4	TC20516	49.66
5/16	5/16	13/16	2-1/2	4	TC20520	68.39
3/8	3/8	7/8	2-1/2	4	TC20524	79.77
1/2	1/2	1-1/4	3	4	TC20532	101.64
5/8	5/8	1-5/8	3-1/2	4	TC20540	215.41
3/4	3/4	1-5/8	4	4	TC20548	263.46
1	1	2	4	4	TC20564	489.26

**TAKE 55%
OFF LIST
PRICES**



SERIES 295
ALTIN COATED

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	3/4	2-1/2	4	TC29516	61.46
5/16	5/16	13/16	2-1/2	4	TC29520	85.49
3/8	3/8	7/8	2-1/2	4	TC29524	99.72
1/2	1/2	1-1/4	3	4	TC29532	125.83
5/8	5/8	1-5/8	3-1/2	4	TC29540	269.24
3/4	3/4	1-5/8	4	4	TC29548	326.22
1	1	2	4	4	TC29564	600.01



SERIES 399
ALCRO-MAX COATED

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	3/4	2-1/2	4	TC39916	67.61
5/16	5/16	13/16	2-1/2	4	TC39920	94.04
3/8	3/8	7/8	2-1/2	4	TC39924	109.68
1/2	1/2	1-1/4	3	4	TC39932	138.41
5/8	5/8	1-5/8	3-1/2	4	TC39940	296.17
3/4	3/4	1-5/8	4	4	TC39948	358.84
1	1	2	4	4	TC39964	660.17

Our fine pitch rougher is designed to remove maximum material with minimum vibration or chatter, while milling faster than conventional finishing endmills. Excellent for:

HARDENED STEELS ■ TITANIUM ■ INCONEL ■ SPACE AGE MATERIALS

FOR COATING INFORMATION SEE PAGE 5. FOR TECHNICAL INFORMATION, PLEASE SEE PAGE 198.

TOLERANCES	DIAMETER	SHANK
1/4" - 1/2"	+0.000, -0.002	-0.0001, -0.0004
5/8" - 1"	+0.000, -0.003	-0.0001, -0.0004

Carbide Endmills

HIGH PERFORMANCE



FINE PITCH ROUGHER - LONG LENGTH - 4 FLUTE - 30° HELIX

**TAKE 55%
OFF LIST
PRICES**



**SERIES 206
UNCOATED**

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	1-1/2	4	4	TC20616	70.39
5/16	5/16	1-1/2	4	4	TC20620	90.27
3/8	3/8	1-3/4	4	4	TC20624	112.85
1/2	1/2	2	4	4	TC20632	130.33
5/8	5/8	2-1/2	5	4	TC20640	305.42
3/4	3/4	2-1/2	5	4	TC20648	367.54
1	1	2-1/2	5	4	TC20664	627.87



**SERIES 296
ALTIN COATED**

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	1-1/2	4	4	TC29616	88.01
5/16	5/16	1-1/2	4	4	TC29620	112.85
3/8	3/8	1-3/4	4	4	TC29624	141.08
1/2	1/2	2	4	4	TC29632	163.05
5/8	5/8	2-1/2	5	4	TC29640	383.58
3/4	3/4	2-1/2	5	4	TC29648	460.72
1	1	2-1/2	5	4	TC29664	786.16



**SERIES 397
ALCRO-MAX COATED**

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	# OF FLUTES	ITEM#	LIST PRICE
1/4	1/4	1-1/2	4	4	TC39716	96.82
5/16	5/16	1-1/2	4	4	TC39720	124.14
3/8	3/8	1-3/4	4	4	TC39724	155.19
1/2	1/2	2	4	4	TC39732	179.24
5/8	5/8	2-1/2	5	4	TC39740	421.94
3/4	3/4	2-1/2	5	4	TC39748	506.79
1	1	2-1/2	5	4	TC39764	864.78

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TOLERANCES	DIAMETER	SHANK
1/4" - 1/2"	+0.000, -0.002	-0.0001, -0.0004
5/8" - 1"	+0.000, -0.003	-0.0001, -0.0004