

Aluminum End Mills

YOUR #1 SOURCE FOR AMERICAN-MADE PREMIUM CUTTING TOOLS

2 FLUTE - STUB LENGTH - SQUARE END - 45° HELIX

**TAKE 55% OFF
OF LIST PRICE!**



SERIES 621
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	1/4	1-1/2	TC62100	20.31
3/16	3/16	3/8	2	TC62102	30.06
1/4	1/4	1/2	2	TC62104	43.12
5/16	5/16	1/2	2	TC62106	52.09
3/8	3/8	5/8	2	TC62108	57.15
1/2	1/2	5/8	2-1/2	TC62110	96.35
5/8	5/8	3/4	3	TC62112	194.05
3/4	3/4	1	3	TC62114	292.66
1	1	1-1/4	3-1/2	TC62116	490.78

2 FLUTE - STUB LENGTH  CORNER RADIUS - 45° HELIX



SERIES 624
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	1/4	1-1/2	0.010	TC62400	24.98
3/16	3/16	3/8	2	0.010	TC62402	36.14
1/4	1/4	1/2	2	0.020	TC62404	50.77
5/16	5/16	1/2	2	0.020	TC62406	59.16
3/8	3/8	5/8	2	0.020	TC62408	63.40
1/2	1/2	5/8	2-1/2	0.040	TC62410	102.73
5/8	5/8	3/4	3	0.040	TC62412	204.30
3/4	3/4	1	3	0.040	TC62414	302.28
1	1	1-1/4	3-1/2	0.040	TC62416	505.36

These 2 flute end mills are designed specifically for high speed machining in Aluminum. This tool will plunge, slot and profile in all non-ferrous materials. Our ZRN coating allows for higher speed rates and prolonged tool life and does not have an affinity for Aluminum.

WORKS WELL IN ALL NON-FERROUS MATERIALS APPLICATIONS

For coating information see page 6. For technical information, please see pages 240, 241.

TOLERANCES	DIAMETER	SHANK	RADIUS
1/8" - 1/2"	+0.000, -.002	-.0001, -.0004 ISO H6	+0.001, -.001
5/8" - 1"	+0.000, -.003	-.0001, -.0004 ISO H6	+0.001, -.001

END MILLS

DRILL MILLS

CHAMFER MILLS

DRILLS

REAMERS

BURS

Aluminum End Mills

YOUR #1 SOURCE FOR AMERICAN-MADE PREMIUM CUTTING TOOLS



MADE IN THE U.S.A.

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2 FLUTE - REGULAR LENGTH - SQUARE END - 45° HELIX



SERIES 627
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	1/2	1-1/2	TC62708	28.19
3/16	3/16	5/8	2	TC62712	39.30
1/4	1/4	3/4	2-1/2	TC62716	54.84
5/16	5/16	13/16	2-1/2	TC62720	64.77
3/8	3/8	1	2-1/2	TC62724	68.54
1/2	1/2	1-1/4	3	TC62732	108.85
5/8	5/8	1-5/8	3-1/2	TC62740	217.56
3/4	3/4	1-3/4	4	TC62748	312.46
1	1	1-3/4	4	TC62764	514.35

2 FLUTE - REGULAR LENGTH CORNER RADIUS - 45° HELIX



SERIES 647
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	1/2	1-1/2	0.010	TC64708	33.70
3/16	3/16	5/8	2	0.010	TC64712	46.21
1/4	1/4	3/4	2-1/2	0.020	TC64716	61.20
5/16	5/16	13/16	2-1/2	0.020	TC64720	72.32
3/8	3/8	1	2-1/2	0.020	TC64724	76.52
1/2	1/2	1-1/4	3	0.040	TC64732	121.51
5/8	5/8	1-5/8	3-1/2	0.040	TC64740	232.34
3/4	3/4	1-3/4	4	0.040	TC64748	333.71
1	1	1-3/4	4	0.040	TC64764	549.30

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TOLERANCES	DIAMETER	SHANK	RADIUS
1/8" - 1/2"	+0.000, -.002	-.0001, -.0004 ISO H6	+0.001, -.001
5/8" - 1"	+0.000, -.003	-.0001, -.0004 ISO H6	+0.001, -.001

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2 FLUTE - LONG LENGTH - SQUARE END - 45° HELIX



SERIES 633
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	3/4	2-1/4	TC63308	47.86
3/16	3/16	3/4	2-1/2	TC63312	55.20
1/4	1/4	1-1/4	3	TC63316	75.23
5/16	5/16	1-3/8	3	TC63320	102.34
3/8	3/8	1-1/2	4	TC63324	122.09
1/2	1/2	2	4	TC63332	171.50
5/8	5/8	2-3/8	5	TC63340	373.24
3/4	3/4	2-1/2	5	TC63348	403.37
1	1	2-1/4	5	TC63364	635.17

2 FLUTE - LONG LENGTH  CORNER RADIUS - 45° HELIX



SERIES 653
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	3/4	2-1/4	0.010	TC65308	57.43
3/16	3/16	3/4	2-1/2	0.010	TC65312	66.24
1/4	1/4	1-1/4	3	0.020	TC65316	84.00
5/16	5/16	1-3/8	3	0.020	TC65320	114.25
3/8	3/8	1-1/2	4	0.020	TC65324	136.33
1/2	1/2	2	4	0.040	TC65332	191.49
5/8	5/8	2-3/8	5	0.040	TC65340	398.59
3/4	3/4	2-1/2	5	0.040	TC65348	430.77
1	1	2-1/4	5	0.040	TC65364	678.36

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TOLERANCES	DIAMETER	SHANK	RADIUS
1/8" - 1/2"	+0.00, -0.02	-0.001, -0.004 ISO H6	+0.01, -0.01
5/8" - 1"	+0.00, -0.03	-0.001, -0.004 ISO H6	+0.01, -0.01

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3 FLUTE - STUB LENGTH - SQUARE END - 45° HELIX



SERIES 630
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	1/4	1-1/2	TC63000	20.31
3/16	3/16	3/8	2	TC63002	30.06
1/4	1/4	1/2	2	TC63004	43.12
5/16	5/16	1/2	2	TC63006	52.09
3/8	3/8	5/8	2	TC63008	57.15
1/2	1/2	5/8	2-1/2	TC63010	96.35
5/8	5/8	3/4	3	TC63012	194.05
3/4	3/4	1	3	TC63014	292.66
1	1	1-1/4	3-1/2	TC63016	490.78

3 FLUTE - STUB LENGTH  CORNER RADIUS - 45° HELIX



SERIES 636
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	1/4	1-1/2	0.010	TC63600	24.98
3/16	3/16	3/8	2	0.010	TC63602	36.14
1/4	1/4	1/2	2	0.020	TC63604	50.77
5/16	5/16	1/2	2	0.020	TC63606	59.16
3/8	3/8	5/8	2	0.020	TC63608	63.40
1/2	1/2	5/8	2-1/2	0.040	TC63610	102.73
5/8	5/8	3/4	3	0.040	TC63612	204.30
3/4	3/4	1	3	0.040	TC63614	302.28
1	1	1-1/4	3-1/2	0.040	TC63616	505.36

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TOLERANCES	DIAMETER	SHANK	RADIUS
1/8" - 1/2"	+0.000, -.002	-.0001, -.0004 ISO H6	+0.001, -.001
5/8" - 1"	+0.000, -.003	-.0001, -.0004 ISO H6	+0.001, -.001

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3 FLUTE - REGULAR LENGTH - SQUARE END - 45° HELIX



SERIES 629
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	1/2	1-1/2	TC62908	28.19
3/16	3/16	5/8	2	TC62912	39.30
1/4	1/4	3/4	2-1/2	TC62916	54.84
5/16	5/16	13/16	2-1/2	TC62920	64.77
3/8	3/8	1	2-1/2	TC62924	68.54
1/2	1/2	1-1/4	3	TC62932	108.85
5/8	5/8	1-5/8	3-1/2	TC62940	217.56
3/4	3/4	1-3/4	4	TC62948	312.46
1	1	1-3/4	4	TC62964	514.35

3 FLUTE - REGULAR LENGTH  CORNER RADIUS - 45° HELIX



SERIES 659
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	1/2	1-1/2	0.010	TC65908	33.70
3/16	3/16	5/8	2	0.010	TC65912	46.21
1/4	1/4	3/4	2-1/2	0.020	TC65916	61.20
5/16	5/16	13/16	2-1/2	0.020	TC65920	72.32
3/8	3/8	1	2-1/2	0.020	TC65924	76.52
1/2	1/2	1-1/4	3	0.040	TC65932	121.51
5/8	5/8	1-5/8	3-1/2	0.040	TC65940	232.34
3/4	3/4	1-3/4	4	0.040	TC65948	333.71
1	1	1-3/4	4	0.040	TC65964	549.30

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TOLERANCES	DIAMETER	SHANK	RADIUS
1/8" - 1/2"	+0.00, -.002	-.0001, -.0004 ISO H6	+0.01, -.001
5/8" - 1"	+0.00, -.003	-.0001, -.0004 ISO H6	+0.01, -.001

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3 FLUTE - LONG LENGTH - SQUARE END - 45° HELIX



SERIES 635
ZRN COATED

DIA	SHANK	LOC	OAL	ITEM#	LIST PRICE
1/8	1/8	3/4	2-1/4	TC63508	47.76
3/16	3/16	3/4	2-1/2	TC63512	55.20
1/4	1/4	1-1/4	3	TC63516	75.23
5/16	5/16	1-3/8	3	TC63520	102.34
3/8	3/8	1-1/2	4	TC63524	122.09
1/2	1/2	2	4	TC63532	171.50
5/8	5/8	2-3/8	5	TC63540	373.24
3/4	3/4	2-1/2	5	TC63548	403.37
1	1	2-1/4	5	TC63564	635.17

3 FLUTE - LONG LENGTH  CORNER RADIUS - 45° HELIX



SERIES 665
ZRN COATED

DIA	SHANK	LOC	OAL	RAD	ITEM#	LIST PRICE
1/8	1/8	3/4	2-1/4	0.010	TC66508	57.43
3/16	3/16	3/4	2-1/2	0.010	TC66512	66.24
1/4	1/4	1-1/4	3	0.020	TC66516	84.00
5/16	5/16	1-3/8	3	0.020	TC66520	114.25
3/8	3/8	1-1/2	4	0.020	TC66524	136.33
1/2	1/2	2	4	0.040	TC66532	191.49
5/8	5/8	2-3/8	5	0.040	TC66540	398.59
3/4	3/4	2-1/2	5	0.040	TC66548	430.77
1	1	2-1/4	5	0.040	TC66564	678.36

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1/8" - 1/2"	+0.00, -0.02	-0.001, -0.004 ISO H6	+0.01, -0.01
5/8" - 1"	+0.00, -0.03	-0.001, -0.004 ISO H6	+0.01, -0.01