



TRIUMPH TOOL LTD.

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TRIUMPH BRAND SOLID CARBIDE ENDMILL PROMOTION

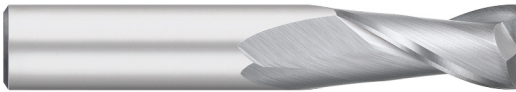
SAVE UPTO 20%! PRICES GOOD THROUGH OCTOBER 31, 2009.



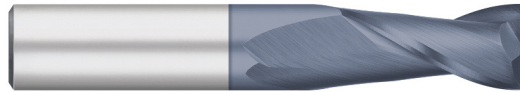
**SERIES 105 - REGULAR LENGTH - 4 FLUTE
SQUARE END - 30° HELIX - UNCOATED**



**SERIES 995 - REGULAR LENGTH - 4 FLUTE
SQUARE END - 30° HELIX - ALTiN COATED**



**SERIES 100 - REGULAR LENGTH - 2 FLUTE
SQUARE END - 30° HELIX - UNCOATED**



**SERIES 101 - REGULAR LENGTH - 2 FLUTE
SQUARE END - 30° HELIX - ALTiN COATED**

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	SERIES 105 - UNCOATED 4 FLUTE - SQUARE END		SERIES 100 - UNCOATED 2 FLUTE - SQUARE END		SERIES 995 - ALTiN COATED 4 FLUTE - SQUARE END		SERIES 101 - ALTiN COATED 2 FLUTE - SQUARE END	
				ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE
1/64	1/8	1/32	1-1/2	TC10501	10.77	TC10001	10.77	TC99501	14.44	TC10101	14.44
1/32	1/8	1/8	1-1/2	TC10502	7.22	TC10002	7.22	TC99502	9.76	TC10102	9.76
3/64	1/8	1/8	1-1/2	TC10503	6.18	TC10003	6.18	TC99503	8.32	TC10103	8.32
1/16	1/8	1/4	1-1/2	TC10504	6.16	TC10004	6.16	TC99504	7.07	TC10104	7.07
5/64	1/8	1/4	1-1/2	TC10505	6.36	TC10005	6.36	TC99505	8.58	TC10105	8.58
3/32	1/8	3/8	1-1/2	TC10506	5.59	TC10006	5.59	TC99506	7.07	TC10106	7.07
7/64	1/8	3/8	1-1/2	TC10507	5.83	TC10007	5.83	TC99507	7.87	TC10107	7.87
1/8	1/8	1/2	1-1/2	TC10508	5.36	TC10008	5.36	TC99508	6.57	TC10108	6.57
9/64	3/16	9/16	2	TC10509	7.85	TC10009	7.85	TC99509	10.61	TC10109	10.61
5/32	3/16	9/16	2	TC10510	7.92	TC10010	7.92	TC99510	9.18	TC10110	9.18
11/64	3/16	5/8	2	TC10511	7.52	TC10011	7.52	TC99511	10.14	TC10111	10.14
3/16	3/16	5/8	2	TC10512	7.32	TC10012	7.32	TC99512	9.18	TC10112	9.18
13/64	1/4	5/8	2-1/2	TC10513	10.67	TC10013	10.67	TC99513	13.99	TC10113	13.99
7/32	1/4	5/8	2-1/2	TC10514	10.89	TC10014	10.89	TC99514	12.67	TC10114	12.67
15/64	1/4	3/4	2-1/2	TC10515	12.32	TC10015	12.32	TC99515	15.87	TC10115	15.87
1/4	1/4	3/4	2-1/2	TC10516	9.03	TC10016	9.03	TC99516	12.67	TC10116	12.67
17/64	5/16	3/4	2-1/2	TC10517	16.28	TC10017	16.28	TC99517	20.93	TC10117	20.93
9/32	5/16	3/4	2-1/2	TC10518	16.28	TC10018	16.28	TC99518	20.93	TC10118	20.93
19/64	5/16	13/16	2-1/2	TC10519	16.28	TC10019	16.28	TC99519	20.93	TC10119	20.93
5/16	5/16	13/16	2-1/2	TC10520	11.75	TC10020	11.75	TC99520	15.16	TC10120	15.16
21/64	3/8	1	2-1/2	TC10521	18.26	TC10021	18.26	TC99521	23.47	TC10121	23.47
11/32	3/8	1	2-1/2	TC10522	18.26	TC10022	18.26	TC99522	23.47	TC10122	23.47
23/64	3/8	1	2-1/2	TC10523	18.26	TC10023	18.26	TC99523	23.47	TC10123	23.47
3/8	3/8	1	2-1/2	TC10524	14.01	TC10024	14.01	TC99524	17.33	TC10124	17.33
25/64	7/16	1	2-3/4	TC10525	23.89	TC10025	23.89	TC99525	30.84	TC10125	30.84
13/32	7/16	1	2-3/4	TC10526	23.89	TC10026	23.89	TC99526	30.84	TC10126	30.84
27/64	7/16	1	2-3/4	TC10527	24.67	TC10027	24.67	TC99527	31.86	TC10127	31.86
7/16	7/16	1	2-3/4	TC10528	21.51	TC10028	21.51	TC99528	26.49	TC10128	26.49
29/64	1/2	1	3	TC10529	35.52	TC10029	35.52	TC99529	45.47	TC10129	45.47
15/32	1/2	1	3	TC10530	35.52	TC10030	35.52	TC99530	45.47	TC10130	45.47
31/64	1/2	1	3	TC10531	35.52	TC10031	35.52	TC99531	45.47	TC10131	45.47
1/2	1/2	1	3	TC10532	25.83	TC10032	25.83	TC99532	32.24	TC10132	32.24
1/2	1/2	1-1/4	3	TC10533	25.83	-	-	TC99533	32.24	-	-
9/16	9/16	1-1/4	3-1/2	TC10536	48.82	TC10036	48.82	TC99536	64.46	TC10136	64.46
5/8	5/8	1-1/4	3-1/2	TC10540	49.39	TC10040	49.39	TC99540	62.95	TC10140	62.95
3/4	3/4	1-1/2	4	TC10548	69.37	TC10048	69.37	TC99548	89.34	TC10148	89.34
7/8	7/8	1-1/2	4	TC10556	126.87	TC10056	126.87	TC99556	160.57	TC10156	160.57
1	1	1-1/2	4	TC10564	113.48	TC10064	113.48	TC99564	145.13	TC10164	145.13
1-1/4	1-1/4	2	4-1/2	TC10580	398.73	-	-	TC99580	453.10	-	-

TOLERANCES	DIAMETER	SHANK
1/64" - 1/8"	+ .000, -.001	-.0001, -.0004
9/64" - 1/2"	+ .000, -.002	-.0001, -.0004
9/16" - 1-1/4"	+ .000, -.003	-.0001, -.0004

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PROMOTION: TTL-02 07/09

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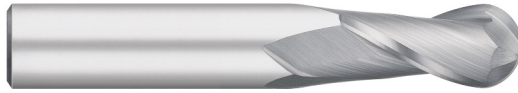
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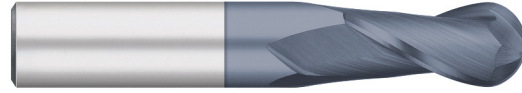
**SERIES 115 - REGULAR LENGTH - 4 FLUTE
BALL NOSE - 30° HELIX - UNCOATED**



**SERIES 116 - REGULAR LENGTH - 4 FLUTE
BALL NOSE - 30° HELIX - ALTiN COATED**



**SERIES 110 - REGULAR LENGTH - 2 FLUTE
BALL NOSE - 30° HELIX - UNCOATED**



**SERIES 111 - REGULAR LENGTH - 2 FLUTE
BALL NOSE - 30° HELIX - ALTiN COATED**

SIZE	SHANK DIA.	LENGTH OF CUT	OVERALL LENGTH	SERIES 115 - UNCOATED 4 FLUTE - BALL NOSE		SERIES 110 - UNCOATED 2 FLUTE - BALL NOSE		SERIES 116 - ALTiN COATED 4 FLUTE - BALL NOSE		SERIES 111 - ALTiN COATED 2 FLUTE - BALL NOSE	
				ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE	ITEM #	PROMOTION PRICE
1/64	1/8	1/32	1-1/2	TC11501	12.07	TC11001	12.07	TC11601	16.17	TC11101	16.17
1/32	1/8	1/8	1-1/2	TC11502	7.72	TC11002	7.72	TC11602	10.03	TC11102	10.03
3/64	1/8	1/8	1-1/2	TC11503	7.72	TC11003	7.72	TC11603	10.03	TC11103	10.03
1/16	1/8	1/4	1-1/2	TC11504	7.15	TC11004	7.15	TC11604	9.66	TC11104	9.66
5/64	1/8	1/4	1-1/2	TC11505	7.15	TC11005	7.15	TC11605	9.66	TC11105	9.66
3/32	1/8	3/8	1-1/2	TC11506	7.52	TC11006	7.52	TC11606	10.14	TC11106	10.14
7/64	1/8	3/8	1-1/2	TC11507	7.52	TC11007	7.52	TC11607	10.14	TC11107	10.14
1/8	1/8	1/2	1-1/2	TC11508	6.89	TC11008	6.89	TC11608	9.30	TC11108	9.30
9/64	3/16	9/16	2	TC11509	10.09	TC11009	10.09	TC11609	13.63	TC11109	13.63
5/32	3/16	9/16	2	TC11510	10.09	TC11010	10.09	TC11610	13.63	TC11110	13.63
11/64	3/16	5/8	2	TC11511	10.09	TC11011	10.09	TC11611	13.63	TC11111	13.63
3/16	3/16	5/8	2	TC11512	9.08	TC11012	9.08	TC11612	12.25	TC11112	12.25
13/64	1/4	5/8	2-1/2	TC11513	11.77	TC11013	11.77	TC11613	16.68	TC11113	16.68
7/32	1/4	5/8	2-1/2	TC11514	11.77	TC11014	11.77	TC11614	16.68	TC11114	16.68
15/64	1/4	3/4	2-1/2	TC11515	11.77	TC11015	11.77	TC11615	16.68	TC11115	16.68
1/4	1/4	3/4	2-1/2	TC11516	12.33	TC11016	12.33	TC11616	15.89	TC11116	15.89
17/64	5/16	3/4	2-1/2	TC11517	16.68	TC11017	16.68	TC11617	21.45	TC11117	21.45
9/32	5/16	3/4	2-1/2	TC11518	16.72	TC11018	16.72	TC11618	21.48	TC11118	21.48
19/64	5/16	13/16	2-1/2	TC11519	18.16	TC11019	18.16	TC11619	23.84	TC11119	23.84
5/16	5/16	13/16	2-1/2	TC11520	15.37	TC11020	15.37	TC11620	19.77	TC11120	19.77
21/64	3/8	1	2-1/2	TC11521	21.12	TC11021	21.12	TC11621	28.50	TC11121	28.50
11/32	3/8	1	2-1/2	TC11522	22.18	TC11022	22.18	TC11622	28.50	TC11122	28.50
23/64	3/8	1	2-1/2	TC11523	21.12	TC11023	21.12	TC11623	28.50	TC11123	28.50
3/8	3/8	1	2-1/2	TC11524	16.45	TC11024	16.45	TC11624	23.26	TC11124	23.26
25/64	7/16	1	2-3/4	TC11525	28.60	TC11025	28.60	TC11625	36.85	TC11125	36.85
13/32	7/16	1	2-3/4	TC11526	28.60	TC11026	28.60	TC11626	36.85	TC11126	36.85
27/64	7/16	1	2-3/4	TC11527	28.60	TC11027	28.60	TC11627	36.85	TC11127	36.85
7/16	7/16	1	2-3/4	TC11528	24.35	TC11028	24.35	TC11628	31.39	TC11128	31.39
29/64	1/2	1	3	TC11529	37.70	TC11029	37.70	TC11629	48.62	TC11129	48.62
15/32	1/2	1	3	TC11530	37.70	TC11030	37.70	TC11630	48.62	TC11130	48.62
31/64	1/2	1	3	TC11531	37.70	TC11031	37.70	TC11631	48.62	TC11131	48.62
1/2	1/2	1	3	TC11532	33.40	TC11032	33.40	TC11632	43.03	TC11132	43.03
9/16	9/16	1-1/4	3-1/2	TC11536	50.90	TC11036	50.90	TC11636	62.63	TC11136	62.63
5/8	5/8	1-1/4	3-1/2	TC11540	53.98	TC11040	53.98	TC11640	69.59	TC11140	69.59
3/4	3/4	1-1/2	4	TC11548	79.55	TC11048	79.55	TC11648	103.67	TC11148	103.67
7/8	7/8	1-1/2	4	TC11556	154.05	TC11056	154.05	TC11656	195.73	TC11156	195.73
1	1	1-1/2	4	TC11564	142.10	TC11064	142.10	TC11664	183.10	TC11164	183.10

TOLERANCES	DIAMETER	SHANK
1/64" - 1/8"	+ .000, -.001	-.0001, -.0004
9/64" - 1/2"	+ .000, -.002	-.0001, -.0004
9/16" - 1"	+ .000, -.003	-.0001, -.0004

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