



S404 - Multi Flute Single-End Non-Center-Cutting End Mills



September 2006 Pricing

Flute Dia	Shank Dia	Length of Cut	Overall Length	#F	Uncoated EDP	Uncoated List	TiN EDP	TiN List	TiCN EDP	TiCN List	TiAlN EDP	TiAlN List
1/8	3/8	3/8	2 5/16	4	35041	\$10.75	35040	\$11.31	69140	\$11.87	67167	\$11.87
5/32	3/8	7/16	2 5/16	4	35051	\$10.75	35050	\$11.31	79406	\$11.87	67168	\$11.87
11/64	3/8	1/2	2 3/8	4	35059	\$14.78	35058	\$15.57	69141	\$16.24	67169	\$16.24
3/16	3/8	3/16	2 1/16	4	34061	\$10.42	34060	\$10.98	88157	\$11.42	52340	\$11.42
3/16	3/8	1/2	2 3/8	4	35061	\$10.75	35060	\$11.31	69142	\$11.87	67170	\$11.87
3/16	3/8	5/8	2 1/2	4	36061	\$12.54	36060	\$13.22	88178	\$13.78	52215	\$13.78
3/16	3/8	3/4	2 5/8	4	37061	\$13.89	37060	\$14.56	88203	\$15.23	37608	\$15.23
3/16	3/8	1	2 7/8	4	33061	\$15.12	33060	\$15.90	88137	\$16.69	44340	\$16.69
3/16	3/8	1 1/8	3	4	38061	\$16.69	38060	\$17.47	88233	\$18.37	17536	\$18.37
13/64	3/8	1/2	2 3/8	4	35069	\$14.78	35068	\$15.57	69143	\$16.24	67171	\$16.24
7/32	3/8	1/4	2 1/16	4	34071	\$10.75	34070	\$11.31	88158	\$11.87	52341	\$11.87
7/32	3/8	3/4	2 9/16	4	36071	\$13.22	36070	\$13.89	88179	\$14.56	52216	\$14.56
7/32	3/8	7/8	2 11/16	4	37071	\$14.67	37070	\$15.46	88204	\$16.13	37609	\$16.13
7/32	3/8	1 1/4	3 1/16	4	33071	\$13.89	33070	\$14.56	88138	\$15.23	44341	\$15.23
7/32	3/8	1 3/4	3 9/16	4	38071	\$17.58	38070	\$18.48	88234	\$19.38	17537	\$19.38
7/32	3/8	5/8	2 7/16	4	35071	\$10.98	35070	\$11.54	69144	\$12.10	67172	\$12.10
15/64	3/8	5/8	2 7/16	4	35079	\$14.78	35078	\$15.57	69145	\$16.24	67173	\$16.24
1/4	3/8	1/4	2 1/16	4	34081	\$10.42	34080	\$10.98	88159	\$11.42	52342	\$11.42
1/4	3/8	5/8	2 7/16	4	35081	\$10.75	35080	\$11.31	35084	\$11.87	67174	\$11.87
1/4	3/8	3/4	2 9/16	4	36081	\$12.66	36080	\$13.33	88180	\$13.89	52217	\$13.89
1/4	3/8	1 1/4	3 1/16	4	37081	\$14.22	37080	\$14.90	88205	\$15.68	37610	\$15.68
1/4	3/8	1 1/2	3 5/16	4	33081	\$14.22	33080	\$14.90	88139	\$15.68	44342	\$15.68
1/4	3/8	1 3/4	3 9/16	4	38081	\$16.91	38080	\$17.81	88235	\$18.59	17538	\$18.59
17/64	3/8	5/8	2 7/16	4	35089	\$14.78	35088	\$15.57	69146	\$16.24	67175	\$16.24
9/32	3/8	5/16	2 1/8	4	34091	\$10.75	34090	\$11.31	88160	\$11.87	52343	\$11.87
9/32	3/8	1	2 3/4	4	36091	\$12.54	36090	\$13.22	88181	\$13.78	52218	\$13.78
9/32	3/8	1 3/8	3 1/8	4	37091	\$13.89	37090	\$14.56	88206	\$15.23	37611	\$15.23
9/32	3/8	1 5/8	3 3/8	4	33091	\$16.13	33090	\$16.91	88140	\$17.70	44343	\$17.70
9/32	3/8	2	3 3/4	4	38091	\$18.03	38090	\$18.93	88236	\$19.82	17539	\$19.82
9/32	3/8	5/8	2 7/16	4	35091	\$10.98	35090	\$11.54	69147	\$12.10	67176	\$12.10
19/64	3/8	3/4	2 1/2	4	35099	\$14.78	35098	\$15.57	69148	\$16.24	67177	\$16.24
5/16	3/8	5/16	2 1/16	4	34101	\$10.42	34100	\$10.98	88161	\$11.42	52344	\$11.42
5/16	3/8	3/4	2 1/2	4	35101	\$10.75	35100	\$11.31	35104	\$11.87	67178	\$11.87
5/16	3/8	1	2 3/4	4	36101	\$12.77	36100	\$13.44	88182	\$14.00	52219	\$14.00
5/16	3/8	1 3/8	3 1/8	4	37101	\$14.22	37100	\$14.90	88207	\$15.68	37612	\$15.68
5/16	3/8	1 5/8	3 3/8	4	33101	\$15.79	33100	\$16.58	88141	\$17.36	44344	\$17.36
5/16	3/8	2	3 3/4	4	38101	\$17.70	38100	\$18.59	88237	\$19.49	17540	\$19.49
21/64	3/8	3/4	2 1/2	4	35109	\$14.78	35108	\$15.57	69149	\$16.24	67179	\$16.24
11/32	3/8	3/8	2 1/8	4	34111	\$10.75	34110	\$11.31	88162	\$11.87	52345	\$11.87
11/32	3/8	1 1/8	2 7/8	4	36111	\$12.54	36110	\$13.22	88183	\$13.78	52220	\$13.78
11/32	3/8	1 1/2	3 1/4	4	37111	\$13.89	37110	\$14.56	88208	\$15.23	37613	\$15.23
11/32	3/8	1 7/8	3 5/8	4	33111	\$16.69	33110	\$17.47	88142	\$18.37	44345	\$18.37
11/32	3/8	2 1/2	4 1/4	4	38111	\$18.37	38110	\$19.26	88238	\$20.16	17541	\$20.16
11/32	3/8	3/4	2 1/2	4	35111	\$10.98	35110	\$11.54	69150	\$12.10	67180	\$12.10
23/64	3/8	3/4	2 1/2	4	35119	\$14.78	35118	\$15.57	69151	\$16.24	67181	\$16.24
3/8	3/8	3/8	2 1/8	4	34121	\$10.42	34120	\$10.98	88163	\$11.42	52346	\$11.42
3/8	3/8	3/4	2 1/2	4	35121	\$10.75	35120	\$11.31	35124	\$11.87	67182	\$11.87
3/8	3/8	1 1/8	2 7/8	4	36121	\$12.54	36120	\$13.22	88184	\$13.78	52221	\$13.78

S404 - Multi Flute Single-End Non-Center-Cutting End Mills									Continued	Sept 2006 Pricing		
Flute Dia	Shank Dia	Length of Cut	Overall Length	#F	Uncoated EDP	Uncoated List	TiN EDP	TiN List	TiCN EDP	TiCN List	TiAlN EDP	TiAlN List
3/8	3/8	1 1/2	3 1/4	4	37121	\$13.89	37120	\$14.56	88209	\$15.23	37614	\$15.23
3/8	3/8	1 7/8	3 5/8	4	33121	\$16.13	33120	\$16.91	88143	\$17.70	44346	\$17.70
3/8	3/8	2 1/2	4 1/4	4	38121	\$18.03	38120	\$18.93	88239	\$19.82	17542	\$19.82
25/64	3/8	1	2 11/16	4	35129	\$21.73	35128	\$22.85	69152	\$23.86	67183	\$23.86
13/32	3/8	7/16	2 1/8	4	34131	\$14.78	34130	\$15.57	88164	\$16.24	52347	\$16.24
13/32	3/8	1 3/8	3 1/16	4	36131	\$18.03	36130	\$18.93	88185	\$19.82	52222	\$19.82
13/32	3/8	2	3 11/16	4	37131	\$20.05	37130	\$21.06	88210	\$22.06	37615	\$22.06
13/32	3/8	2 1/4	3 15/16	4	33131	\$21.62	33130	\$22.74	88144	\$23.74	44347	\$23.74
13/32	3/8	2 5/8	4 5/16	4	38131	\$23.97	38130	\$25.20	88240	\$26.32	17543	\$26.32
13/32	3/8	1	2 11/16	4	35131	\$15.34	35130	\$16.13	69153	\$16.91	67184	\$16.91
27/64	3/8	1	2 11/16	4	35139	\$21.28	35138	\$22.40	69154	\$23.41	67185	\$23.41
7/16	3/8	7/16	2 1/8	4	34141	\$14.00	34140	\$14.67	88165	\$15.46	52348	\$15.46
7/16	3/8	1	2 11/16	4	35414	\$14.67	35140	\$15.46	69155	\$16.13	67186	\$16.13
7/16	3/8	3/8	3 1/16	4	36141	\$17.02	36140	\$17.92	88186	\$18.70	52223	\$18.70
7/16	3/8	2	3 11/16	4	37141	\$18.93	37140	\$19.82	88211	\$20.83	37616	\$20.83
7/16	3/8	2 1/4	3 15/16	4	33141	\$20.61	33140	\$21.62	88145	\$22.62	44348	\$22.62
7/16	3/8	2 5/8	4 5/16	4	38141	\$22.62	38140	\$23.74	88241	\$24.86	17544	\$24.86
7/16	1/2	1 3/4	3 3/4	4	37142	\$19.60	37148	\$20.61	88212	\$21.62	37617	\$21.62
29/64	3/8	1	2 11/16	4	35149	\$21.28	35148	\$22.40	69156	\$23.41	67187	\$23.41
15/32	3/8	1/2	2 3/16	4	34151	\$14.78	34150	\$15.57	88166	\$16.24	52349	\$16.24
15/32	3/8	1 1/2	3 3/16	4	36151	\$17.02	36150	\$17.92	88187	\$18.70	52224	\$18.70
15/32	3/8	2	3 11/16	4	37151	\$18.93	37150	\$19.82	88213	\$20.83	37618	\$20.83
15/32	3/8	2 1/2	4 3/16	4	33151	\$20.61	33150	\$21.62	88146	\$22.62	44349	\$22.62
15/32	3/8	3	4 11/16	4	38151	\$22.62	38150	\$23.74	88242	\$24.86	17545	\$24.86
15/32	3/8	1	2 11/16	4	35151	\$14.67	35150	\$15.46	69157	\$16.13	67188	\$16.13
31/64	3/8	1	2 11/16	4	35159	\$21.28	35158	\$22.40	69158	\$23.41	67189	\$23.41
1/2	3/8	1	2 11/16	4	35161	\$14.67	35167	\$15.46	69159	\$16.13	67190	\$16.13
1/2	1/2	1/2	2 1/2	4	34162	\$14.00	34160	\$14.67	88167	\$15.46	52350	\$15.46
1/2	1/2	1 1/4	3 1/4	4	35162	\$14.67	35160	\$15.46	35164	\$16.13	67191	\$16.13
1/2	1/2	1 1/2	3 1/2	4	36162	\$17.47	36160	\$18.37	88188	\$19.26	52225	\$19.26
1/2	1/2	2	4	4	37162	\$19.15	37160	\$20.16	88214	\$21.06	37619	\$21.06
1/2	1/2	2 1/2	4 1/2	4	33162	\$20.83	33160	\$21.84	88147	\$22.96	44350	\$22.96
1/2	1/2	3	5	4	38162	\$23.30	38160	\$24.42	88243	\$25.65	17546	\$25.65
33/64	1/2	1 1/4	3 1/4	4	35169	\$21.28	35168	\$22.40	69160	\$23.41	67192	\$23.41
17/32	1/2	5/8	2 5/8	4	34172	\$18.14	34170	\$19.04	88168	\$19.94	52351	\$19.94
17/32	1/2	1 7/8	3 7/8	4	36172	\$22.18	36170	\$23.30	88189	\$24.42	52226	\$24.42
17/32	1/2	2 1/2	4 1/2	4	37172	\$24.42	37170	\$25.65	88215	\$26.88	37620	\$26.88
17/32	1/2	3 1/8	5 1/8	4	33172	\$26.43	33170	\$27.78	88148	\$29.12	44351	\$29.12
17/32	1/2	4	6	4	38172	\$29.34	38170	\$30.80	88244	\$32.26	17547	\$32.26
17/32	1/2	1 3/8	3 3/8	4	35172	\$18.93	35170	\$19.82	69161	\$20.83	67193	\$20.83
35/64	1/2	1 3/8	3 3/8	4	35179	\$25.31	35178	\$26.54	69162	\$27.89	67194	\$27.89
9/16	1/2	5/8	2 5/8	4	34182	\$19.60	34180	\$20.61	88169	\$21.62	52352	\$21.62
9/16	1/2	1 3/8	3 3/8	4	35182	\$18.70	35180	\$19.60	69163	\$20.61	67195	\$20.61
9/16	1/2	1 7/8	3 7/8	4	36182	\$24.30	36180	\$25.54	88190	\$26.77	52227	\$26.77
9/16	1/2	2 1/2	4 1/2	4	37182	\$26.99	37180	\$28.34	88216	\$29.68	37621	\$29.68
9/16	1/2	3 1/8	5 1/8	4	33182	\$29.23	33180	\$30.69	88149	\$32.14	44352	\$32.14
9/16	1/2	4	6	4	38182	\$32.48	38180	\$34.16	88245	\$35.73	17548	\$35.73
37/64	1/2	1 3/8	3 3/8	4	35189	\$27.22	35188	\$28.56	69164	\$29.90	67196	\$29.90
19/32	1/2	1 3/8	3 3/8	4	35192	\$22.62	35190	\$23.74	69165	\$24.86	67197	\$24.86
39/64	5/8	1 5/8	3 3/4	4	35199	\$32.70	35198	\$34.38	69166	\$35.95	67198	\$35.95
5/8	1/2	1 3/8	3 3/8	4	35202	\$20.50	35207	\$21.50	69167	\$22.51	67199	\$22.51
5/8	5/8	5/8	2 3/4	4	34203	\$21.84	34200	\$22.96	88170	\$24.08	52353	\$24.08
5/8	5/8	1 5/8	3 3/4	4	35203	\$22.40	35200	\$23.52	35204	\$24.64	67200	\$24.64
5/8	5/8	1 7/8	4	4	36203	\$24.30	36200	\$25.54	88191	\$26.77	52228	\$26.77
5/8	5/8	2 1/2	4 5/8	4	37203	\$26.99	37200	\$28.34	88217	\$29.68	37622	\$29.68
5/8	5/8	3 1/8	5 1/4	4	33203	\$30.35	33200	\$31.92	88150	\$33.38	44353	\$33.38
5/8	5/8	4	6 1/8	4	38203	\$33.71	38200	\$35.39	88246	\$37.07	17549	\$37.07

S404 - Multi Flute Single-End Non-Center-Cutting End Mills									Continued	Sept 2006 Pricing		
Flute Dia	Shank Dia	Length of Cut	Overall Length	#F	Uncoated EDP	Uncoated List	TiN EDP	TiN List	TiCN EDP	TiCN List	TiAlN EDP	TiAlN List
41/64	5/8	1 5/8	3 3/4	4	35209	\$34.16	35208	\$35.84	69168	\$37.63	67201	\$37.63
21/32	5/8	1 5/8	3 3/4	4	35213	\$25.65	35210	\$26.88	69169	\$28.22	67202	\$28.22
43/64	5/8	1 5/8	3 3/4	4	35219	\$34.16	35218	\$35.84	69170	\$37.63	67203	\$37.63
11/16	1/2	1 5/8	3 5/8	4	35222	\$22.62	35227	\$23.74	69171	\$24.86	67204	\$24.86
11/16	5/8	3/4	2 7/8	4	34223	\$23.41	34220	\$24.53	88171	\$25.76	52354	\$25.76
11/16	5/8	1 5/8	3 3/4	4	35223	\$23.97	35220	\$25.20	69172	\$26.32	67205	\$26.32
11/16	5/8	2 1/4	4 3/8	4	36223	\$28.56	36220	\$30.02	88192	\$31.47	52229	\$31.47
11/16	5/8	3	5 1/8	4	37223	\$31.81	37220	\$33.38	88218	\$34.94	37623	\$34.94
11/16	5/8	3 1/2	5 5/8	4	33223	\$34.16	33220	\$35.84	88151	\$37.63	44354	\$37.63
11/16	5/8	4	6 1/8	4	38223	\$37.97	38220	\$39.87	88247	\$41.78	17550	\$41.78
45/64	3/4	1 5/8	3 7/8	4	35229	\$36.06	35228	\$37.86	69173	\$39.65	67206	\$39.65
23/32	3/4	1 5/8	3 7/8	4	35234	\$27.10	35230	\$28.45	69174	\$29.79	67207	\$29.79
47/64	3/4	1 5/8	3 7/8	4	35239	\$36.06	35238	\$37.86	69175	\$39.65	67208	\$39.65
3/4	1/2	3/4	2 3/4	4	87242	\$31.92	87240	\$33.49	89312	\$35.17	31082	\$35.17
3/4	1/2	1 5/8	3 5/8	4	35242	\$24.53	35241	\$25.76	69176	\$26.99	67209	\$26.99
3/4	1/2	3	5	4	37242	\$31.58	37248	\$33.15	88220	\$34.72	37625	\$34.72
3/4	5/8	1 5/8	3 3/4	4	35243	\$24.53	35247	\$25.76	69177	\$26.99	67210	\$26.99
3/4	3/4	3/4	3	4	34244	\$24.98	34240	\$26.21	88172	\$27.44	52355	\$27.44
3/4	3/4	1 1/2	3 3/4	6	35246	\$25.54	35255	\$26.77	69229	\$28.11	67211	\$28.11
3/4	3/4	1 5/8	3 7/8	4	35244	\$25.54	35240	\$26.77	35245	\$28.11	67212	\$28.11
3/4	3/4	2 1/4	4 1/2	4	36244	\$29.79	36240	\$31.25	88193	\$32.82	52230	\$32.82
3/4	3/4	3	5 1/4	4	37244	\$32.93	37240	\$34.61	88219	\$36.18	37624	\$36.18
3/4	3/4	3 1/2	5 3/4	4	33244	\$39.54	33240	\$41.55	88152	\$43.46	44355	\$43.46
3/4	3/4	4	6 1/4	4	38244	\$39.54	38240	\$41.55	88248	\$43.46	17551	\$43.46
49/64	3/4	1 7/8	4 1/8	4	35249	\$41.55	35248	\$43.68	69178	\$45.70	67213	\$45.70
25/32	3/4	1 7/8	4 1/8	4	35259	\$41.55	35258	\$43.68	69190	\$45.70	67215	\$45.70
13/16	5/8	1 7/8	4	6	35263	\$31.47	35267	\$33.04	69181	\$34.61	67216	\$34.61
13/16	3/4	7/8	3 1/8	4	34264	\$30.35	34260	\$31.92	88173	\$33.38	52356	\$33.38
13/16	3/4	1 7/8	4 1/8	4	35264	\$31.92	35260	\$33.49	69182	\$35.17	67217	\$35.17
13/16	3/4	2 5/8	4 7/8	4	36264	\$37.18	36260	\$39.09	88194	\$40.88	52231	\$40.88
13/16	3/4	3 1/2	5 3/4	4	37264	\$41.22	37260	\$43.23	88221	\$45.36	37626	\$45.36
13/16	3/4	4 3/8	6 5/8	4	33264	\$46.59	33260	\$48.94	88153	\$51.30	44356	\$51.30
13/16	3/4	5	7 1/4	4	38264	\$51.74	38260	\$54.32	88249	\$56.90	17552	\$56.90
53/64	7/8	1 7/8	4 1/8	4	35269	\$42.34	35268	\$44.46	69183	\$46.59	67218	\$46.59
27/32	7/8	1 7/8	4 1/8	4	35275	\$34.16	35270	\$35.84	69184	\$37.63	67219	\$37.63
55/64	7/8	1 7/8	4 1/8	4	35279	\$42.34	35278	\$44.46	69185	\$46.59	67220	\$46.59
7/8	1/2	7/8	2 7/8	4	87282	\$39.76	87280	\$41.78	89313	\$43.79	31083	\$43.79
7/8	5/8	1 7/8	4	6	35283	\$32.48	35281	\$34.16	69186	\$35.73	67221	\$35.73
7/8	3/4	1 7/8	4 1/8	4	35284	\$33.60	35287	\$35.28	69187	\$36.96	67222	\$36.96
7/8	7/8	7/8	3 1/8	4	34285	\$31.02	34280	\$32.59	88174	\$34.16	52357	\$34.16
7/8	7/8	1 7/8	4 1/8	4	35285	\$32.03	35280	\$33.60	69188	\$35.28	67223	\$35.28
7/8	7/8	2 5/8	4 7/8	4	36285	\$37.18	36280	\$39.09	88195	\$40.88	52232	\$40.88
7/8	7/8	3 1/2	5 3/4	4	37285	\$41.22	37280	\$43.23	88222	\$45.36	37627	\$45.36
7/8	7/8	4 3/8	6 5/8	4	33285	\$46.93	33280	\$49.28	88154	\$51.63	44357	\$51.63
7/8	7/8	5	7 1/4	4	38285	\$52.30	38280	\$54.88	88250	\$57.57	17553	\$57.57
57/64	7/8	1 7/8	4 1/8	4	35289	\$45.92	35288	\$48.27	69189	\$50.51	67224	\$50.51
29/32	7/8	1 7/8	4 1/8	4	35295	\$40.43	35290	\$42.45	69190	\$44.46	67225	\$44.46
59/64	7/8	1 7/8	4 1/8	4	35299	\$45.92	35298	\$48.27	69191	\$50.51	67226	\$50.51
15/16	5/8	1 7/8	4	6	35303	\$35.39	35301	\$37.18	69192	\$38.98	67227	\$38.98
15/16	3/4	1 7/8	4 1/8	4	35304	\$35.39	35302	\$37.18	69193	\$38.98	67228	\$38.98
15/16	7/8	1	3 1/4	4	34305	\$34.50	34300	\$36.18	88175	\$37.97	52358	\$37.97
15/16	7/8	1 7/8	4 1/8	4	35305	\$35.39	35300	\$37.18	69194	\$38.98	67229	\$38.98
15/16	7/8	3	5 1/4	4	36305	\$46.26	36300	\$48.61	88196	\$50.85	52233	\$50.85
15/16	7/8	4	6 1/4	4	37305	\$51.30	37300	\$53.87	88223	\$56.45	37628	\$56.45
15/16	7/8	5	7 1/4	4	33305	\$57.68	33300	\$60.59	88155	\$63.50	44358	\$63.50
15/16	7/8	6	8 1/4	4	38305	\$64.06	38300	\$67.31	88251	\$70.45	17554	\$70.45


S404 - Multi Flute Single-End Non-Center-Cutting End Mills									Continued	Sept 2006 Pricing		
Flute Dia	Shank Dia	Length of Cut	Overall Length	#F	Uncoated EDP	Uncoated List	TiN EDP	TiN List	TiCN EDP	TiCN List	TiAlN EDP	TiAlN List
61/64	1	2	4 1/2	4	35309	\$49.17	35308	\$51.63	69195	\$54.10	67230	\$54.10
31/32	1	2	4 1/2	4	35316	\$40.43	35310	\$42.45	69196	\$44.46	67231	\$44.46
63/64	1	2	4 1/2	4	35319	\$49.17	35318	\$51.63	69197	\$54.10	67232	\$54.10
1	1/2	1	3	6	87322	\$46.26	87321	\$48.61	89314	\$50.85	31084	\$50.85
1	5/8	1 7/8	4	6	35323	\$37.07	35322	\$38.98	69198	\$40.77	67233	\$40.77
1	3/4	1 1/4	3 1/2	4	87324	\$46.14	87323	\$48.50	89315	\$50.74	31087	\$50.74
1	3/4	1 1/4	3 1/2	6	87328	\$46.14	87327	\$48.50	89316	\$50.74	31088	\$50.74
1	3/4	1 7/8	4 1/8	4	35324	\$36.40	35321	\$38.19	69199	\$40.10	67234	\$40.10
1	7/8	1 7/8	4 1/8	4	35325	\$36.40	35328	\$38.19	69200	\$40.10	67235	\$40.10
1	1	1	3 1/2	4	34326	\$37.41	34320	\$39.31	88176	\$41.10	52359	\$41.10
1	1	2	4 1/2	4	35326	\$38.64	35320	\$40.54	35329	\$42.56	67236	\$42.56
1	1	3	5 1/2	4	36326	\$50.18	36320	\$52.64	88197	\$55.22	52234	\$55.22
1	1	4	6 1/2	4	37326	\$55.89	37320	\$58.69	88224	\$61.49	37629	\$61.49
1	1	5	7 1/2	4	33326	\$61.94	33320	\$65.07	88156	\$68.10	44359	\$68.10
1	1	6	8 1/2	4	38326	\$68.88	38320	\$72.35	88252	\$75.82	17555	\$75.82
1 1/16	3/4	2	4 1/4	6	35344	\$62.72	35348	\$65.86	69201	\$68.99	67237	\$68.99
1 1/16	1	2	4 1/2	6	35346	\$61.26	35340	\$64.29	69202	\$67.42	67238	\$67.42
1 1/8	1/2	1	3	6	87362	\$67.20	87361	\$70.56	89317	\$73.92	31085	\$73.92
1 1/8	3/4	1 1/4	3 1/2	6	87364	\$67.76	87363	\$71.12	89318	\$74.59	31089	\$74.59
1 1/8	3/4	2	4 1/4	6	35364	\$56.67	35361	\$59.47	69203	\$62.38	67239	\$62.38
1 1/8	7/8	2	4 1/4	6	35365	\$50.96	35362	\$53.54	69204	\$56.11	67240	\$56.11
1 1/8	1	2	4 1/2	6	35366	\$52.53	35360	\$55.10	69205	\$57.79	67241	\$57.79
1 1/8	1	4	6 1/2	6	37366	\$73.81	37360	\$77.50	88225	\$81.20	37630	\$81.20
1 3/16	3/4	2	4 1/4	6	35384	\$68.21	35381	\$71.57	69206	\$75.04	67242	\$75.04
1 3/16	1	2	4 1/2	6	35386	\$66.42	35380	\$69.78	69207	\$73.02	67243	\$73.02
1 1/4	1/2	1	3	6	87402	\$71.90	87401	\$75.49	89319	\$79.07	31086	\$79.07
1 1/4	3/4	1 1/4	3 1/2	6	87404	\$71.90	87403	\$75.49	89320	\$79.07	31090	\$79.07
1 1/4	3/4	2	4 1/4	6	35404	\$61.82	35402	\$64.96	69208	\$67.98	67244	\$67.98
1 1/4	7/8	2	4 1/4	6	35405	\$55.22	35403	\$58.02	69209	\$60.70	67245	\$60.70
1 1/4	1	2	4 1/2	6	35406	\$57.12	35401	\$60.03	69210	\$62.83	67246	\$62.83
1 1/4	1	4	6 1/2	6	67406	\$87.14	37401	\$91.50	88226	\$95.87	37631	\$95.87
1 1/4	1 1/4	2	4 1/2	6	35407	\$60.26	35400	\$63.28	69211	\$66.30	67247	\$66.30
1 1/4	1 1/4	3	5 1/2	4	36407	\$75.82	36400	\$79.63	88198	\$83.44	52235	\$83.44
1 1/4	1 1/4	4	6 1/2	6	37407	\$87.14	37400	\$91.50	88227	\$95.87	37632	\$95.87
1 1/4	1 1/4	6	8 1/2	6	38407	\$103.49	38400	\$108.64	88253	\$113.79	17556	\$113.79
1 5/16	1	2	4 1/2	6	35426	\$73.02	35420	\$76.72	69212	\$80.30	67248	\$80.30
1 3/8	3/4	1 1/4	3 1/2	6	87444	\$72.58	87443	\$76.16	89321	\$79.86	31091	\$79.86
1 3/8	3/4	2	4 1/4	6	35444	\$74.70	35448	\$78.40	69213	\$82.21	67249	\$82.21
1 3/8	1	2	4 1/2	6	35446	\$65.18	35440	\$68.43	69214	\$71.68	67250	\$71.68
1 3/8	1	4	6 1/2	6	37446	\$95.76	37440	\$100.58	88228	\$105.39	37633	\$105.39
1 7/16	1	2	4 1/2	6	35466	\$81.76	35460	\$85.90	69215	\$89.94	67251	\$89.94
1 1/2	3/4	1 1/4	3 1/2	6	87484	\$79.52	87483	\$83.55	89322	\$87.47	31092	\$87.47
1 1/2	3/4	2	4 1/4	6	35484	\$80.19	35482	\$84.22	69216	\$88.26	67252	\$88.26
1 1/2	1	2	4 1/2	6	35486	\$73.47	35481	\$77.17	69217	\$80.86	67253	\$80.86
1 1/2	1	4	6 1/2	6	37486	\$104.05	37481	\$109.20	88229	\$114.46	37634	\$114.46
1 1/2	1 1/4	2	4 1/2	6	35487	\$73.47	35480	\$77.17	69218	\$80.86	67254	\$80.86
1 1/2	1 1/4	3	5 1/2	4	36487	\$92.06	36480	\$96.66	88199	\$101.25	52236	\$101.25
1 1/2	1 1/4	4	6 1/2	6	37487	\$104.05	37480	\$109.20	88230	\$114.46	37635	\$114.46
1 1/2	1 1/4	8	10 1/2	6	38487	\$164.30	38480	\$172.48	88254	\$180.77	17557	\$180.77
1 9/16	1 1/4	2	4 1/2	6	35507	\$89.38	35500	\$93.86	69219	\$98.34	67255	\$98.34
1 5/8	1 1/4	2	4 1/2	6	35527	\$78.85	35520	\$82.77	69220	\$86.69	67256	\$86.69
1 5/8	1 1/4	4	6 1/2	6	37527	\$106.40	37520	\$111.78	79407	\$117.04	37636	\$117.04
1 11/16	1 1/4	2	4 1/2	6	35547	\$105.50	35540	\$110.77	69221	\$116.03	67257	\$116.03
1 3/4	3/4	2	4 1/4	6	35564	\$88.59	35561	\$93.07	69222	\$97.44	67258	\$97.44
1 3/4	1	1 1/4	3 3/4	8	87566	\$101.25	87560	\$106.29	89323	\$111.33	31093	\$111.33
1 3/4	1 1/4	2	4 1/2	6	35567	\$88.59	35560	\$93.07	69223	\$97.44	67259	\$97.44

S404 - Multi Flute Single-End Non-Center-Cutting End Mills

Continued

Sept 2006 Pricing

Flute Dia	Shank Dia	Length of Cut	Overall Length	#F	Uncoated EDP	Uncoated List	TiN EDP	TiN List	TiCN EDP	TiCN List	TiAIN EDP	TiAIN List
1 3/4	1 1/4	3	5 1/2	4	36567	\$116.70	36560	\$122.53	88200	\$128.35	52237	\$128.35
1 3/4	1 1/4	4	6 1/2	6	37567	\$135.52	37560	\$142.35	88231	\$149.07	37637	\$149.07
1 13/16	1 1/4	2	4 1/2	6	35587	\$111.33	35580	\$116.93	69224	\$122.42	67260	\$122.42
1 7/8	1 1/4	2	4 1/2	6	35607	\$90.83	35600	\$95.42	69225	\$99.90	67261	\$99.90
1 7/8	1 1/4	4	6 1/2	6	37607	\$150.75	37600	\$158.26	79408	\$165.87	37638	\$165.87
1 15/16	1 1/4	2	4 1/2	6	35627	\$119.06	35620	\$124.99	69226	\$130.93	67262	\$130.93
2	3/4	2	4 1/4	8	35644	\$102.03	35641	\$107.18	69227	\$112.22	67263	\$112.22
2	1	1 1/4	3 3/4	8	87646	\$124.43	87640	\$130.70	89324	\$136.86	31094	\$136.86
2	1 1/4	2	4 1/2	8	35647	\$102.03	35640	\$107.18	69228	\$112.22	67264	\$112.22
2	1 1/4	3	5 1/2	4	36647	\$141.90	36640	\$148.96	88201	\$156.13	52238	\$156.13
2	1 1/4	3	5 1/2	6	36648	\$153.10	36649	\$160.72	88202	\$168.45	52239	\$168.45
2	1 1/4	4	6 1/2	8	37647	\$165.98	37640	\$174.27	88232	\$182.56	37639	\$182.56
2 1/4	1 1/4	1 1/2	4	8	87727	\$161.17	87720	\$169.23	89325	\$177.30	31095	\$177.30
2 1/2	1 1/4	1 1/2	4	8	87807	\$182.00	87800	\$191.07	89326	\$200.26	31096	\$200.26
Flute Dia		+0.001" -0.000"							Helix Angle			30°
Shank Dia		-0.0001" -0.0005"		Overall Length		+0.062" -0.000"		Length of Cut		+0.031" -0.000"		


 Niagara Cutter, Inc. • 200 John James Audubon Pkwy • Amherst, NY 14228 USA • Phone: 716-689-8400 • Fax: 716-689-8485 • E-mail: NiaCut@NiagaraCutter.com