

**RFM440 - Multi Flute Single-End Non-Center Cutting Roughing / Finishing Cobalt End Mills****September 2005 Pricing**

Flute Dia	Shank Dia	Length of Cut	Overall Length	# F	Uncoated	Uncoated	TiN	TiN	TiCN	TiCN	TiAlN	TiAlN
					EDP	List	EDP	List	EDP	List	EDP	List
3/16	3/8	1/2	2 3/8	4	44063	\$24.42	44062	\$25.65	43700	\$26.88	47488	\$26.88
1/4	3/8	5/8	2 7/16	4	44083	\$24.42	44082	\$25.65	43701	\$26.88	47489	\$26.88
1/4	3/8	1 1/4	3 1/16	4	44085	\$27.44	44084	\$28.78	43702	\$30.24	47490	\$30.24
5/16	3/8	3/4	2 1/2	4	44103	\$24.42	44102	\$25.65	43703	\$26.88	47491	\$26.88
5/16	3/8	1 3/8	3 1/8	4	44105	\$27.44	44104	\$28.78	43704	\$30.24	47492	\$30.24
3/8	3/8	3/4	2 1/2	4	44123	\$24.42	44122	\$25.65	43705	\$26.88	47493	\$26.88
3/8	3/8	1 1/2	3 1/4	4	44125	\$27.44	44124	\$28.78	43706	\$30.24	47494	\$30.24
7/16	3/8	1	2 11/16	4	44143	\$35.17	44142	\$36.96	43707	\$38.64	47495	\$38.64
1/2	1/2	1	3	4	44157	\$30.80	44156	\$32.37	43708	\$33.94	47496	\$33.94
1/2	1/2	1 1/4	3 1/4	4	43163	\$32.03	43161	\$33.60	43709	\$35.28	47497	\$35.28
1/2	1/2	1 5/8	3 5/8	4	44163	\$37.30	44161	\$39.20	43710	\$40.99	47498	\$40.99
1/2	1/2	2	4	4	44165	\$42.67	44164	\$44.80	43711	\$46.93	47499	\$46.93
1/2	1/2	2 1/2	4 1/2	4	44167	\$47.04	44166	\$49.39	43712	\$51.74	47500	\$51.74
1/2	1/2	3	5	4	44169	\$48.16	44168	\$50.62	43713	\$52.98	47501	\$52.98
9/16	1/2	1 3/8	3 3/8	4	44183	\$35.95	44181	\$37.74	43714	\$39.54	47502	\$39.54
5/8	5/8	3/4	2 7/8	4	44201	\$34.05	44211	\$35.73	43715	\$37.41	47503	\$37.41
5/8	5/8	1 1/4	3 3/8	4	44202	\$35.28	44212	\$37.07	43716	\$38.86	47504	\$38.86
5/8	5/8	1 5/8	3 3/4	4	44204	\$38.86	44214	\$40.77	43717	\$42.78	47505	\$42.78
5/8	5/8	2 1/8	4 1/4	4	44205	\$46.37	44215	\$48.72	43718	\$50.96	47506	\$50.96
5/8	5/8	2 1/2	4 5/8	4	44206	\$50.18	44216	\$52.64	43719	\$55.22	47507	\$55.22
5/8	5/8	3 1/8	5 1/4	4	44207	\$59.58	44217	\$62.61	43720	\$65.52	47508	\$65.52
11/16	5/8	1 5/8	3 3/4	4	44222	\$46.26	44221	\$48.61	43721	\$50.85	47509	\$50.85
3/4	5/8	1 5/8	3 3/4	4	43241	\$46.26	43231	\$48.61	43722	\$50.85	47510	\$50.85
3/4	3/4	3/4	3	4	44241	\$48.61	44231	\$51.07	43723	\$53.42	47511	\$53.42
3/4	3/4	1 1/4	3 1/2	4	44242	\$43.57	44232	\$45.70	43724	\$47.94	47512	\$47.94
3/4	3/4	1 1/2	3 3/4	4	44243	\$47.94	44233	\$50.29	43725	\$52.75	47513	\$52.75
3/4	3/4	1 5/8	3 7/8	4	44245	\$44.58	44235	\$46.82	43726	\$49.06	47514	\$49.06
3/4	3/4	2	4 1/4	4	44246	\$53.31	44236	\$56.00	43727	\$58.69	47515	\$58.69
3/4	3/4	2 1/2	4 3/4	4	44247	\$57.01	44237	\$59.81	43728	\$62.72	47516	\$62.72
3/4	3/4	3	5 1/4	4	44248	\$61.04	44238	\$64.06	43729	\$67.20	47517	\$67.20
3/4	3/4	4 1/8	6 3/8	4	44249	\$77.62	44239	\$81.54	43730	\$85.34	47518	\$85.34
13/16	3/4	1 7/8	4 1/8	5	44265	\$52.53	44263	\$55.10	43731	\$57.79	47519	\$57.79
7/8	3/4	1 1/8	3 3/8	5	44281	\$54.99	44291	\$57.79	43732	\$60.48	47520	\$60.48
7/8	3/4	1 1/2	3 3/4	5	44282	\$58.80	44292	\$61.71	43733	\$64.74	47521	\$64.74
7/8	3/4	1 7/8	4 1/8	5	44283	\$63.95	44293	\$67.20	43734	\$70.34	47522	\$70.34
7/8	3/4	3 1/2	5 3/4	5	44284	\$77.84	44294	\$81.76	43735	\$85.68	47523	\$85.68
7/8	7/8	1 1/8	3 3/8	5	44286	\$58.80	44296	\$61.71	43736	\$64.74	47524	\$64.74
7/8	7/8	1 7/8	4 1/8	5	44287	\$63.73	44297	\$66.86	43737	\$70.11	47525	\$70.11
7/8	7/8	3 1/2	5 3/4	5	44288	\$81.87	44298	\$86.02	43738	\$90.05	47526	\$90.05
1	3/4	3/4	3	5	44321	\$56.56	44331	\$59.36	43739	\$62.27	47527	\$62.27
1	3/4	1 1/8	3 3/8	5	44322	\$59.25	44332	\$62.16	43740	\$65.18	47528	\$65.18
1	3/4	1 1/2	3 3/4	5	44323	\$65.74	44333	\$68.99	43741	\$72.35	47529	\$72.35
1	3/4	2	4 1/4	5	44324	\$70.22	44334	\$73.70	43742	\$77.28	47530	\$77.28
1	3/4	3	5 1/4	5	44325	\$92.06	44335	\$96.66	43743	\$101.25	47531	\$101.25
1	3/4	4	6 1/4	5	44327	\$95.98	44337	\$100.80	43744	\$105.62	47532	\$105.62
1	1	1 1/8	3 5/8	5	44328	\$64.51	44338	\$67.76	43745	\$71.01	47533	\$71.01
1	1	1 5/8	4 1/8	5	44329	\$67.76	44339	\$71.12	43746	\$74.59	47534	\$74.59
1	1	2	4 1/2	5	43322	\$67.09	43332	\$70.45	43747	\$73.81	47535	\$73.81
1	1	3	5 1/2	5	43323	\$85.90	43333	\$90.16	43748	\$94.53	47536	\$94.53
1	1	4	6 1/2	5	43324	\$90.94	43334	\$95.54	43749	\$100.02	47537	\$100.02
1	1	6	8 1/2	5	43325	\$121.07	43335	\$127.12	43750	\$133.17	47538	\$133.17
1 1/8	3/4	1 1/8	3 3/8	6	44362	\$80.08	44361	\$84.11	43751	\$88.14	47539	\$88.14
1 1/8	3/4	2	4 1/4	6	44364	\$84.56	44363	\$88.82	43752	\$93.07	47540	\$93.07
1 1/8	1	2	4 1/2	6	44366	\$86.91	44365	\$91.28	43753	\$95.65	47541	\$95.65
1 1/8	1	3 1/2	6	6	44368	\$106.74	44367	\$112.11	43754	\$117.38	47542	\$117.38

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Continued

Flute	Shank	Length	Overall	#	Uncoated	Uncoated	TiN	TiN	TiCN	TiCN	TiAlN	TiAlN	
Dia	Dia	of Cut	Length	F	EDP	List	EDP	List	EDP	List	EDP	List	
1 1/4	3/4	3/4	3	6	44401	\$86.13	44411	\$90.38	43755	\$94.75	47543	\$94.75	
1 1/4	3/4	1 1/8	3 3/8	6	44402	\$90.50	44412	\$94.98	43756	\$99.57	47544	\$99.57	
1 1/4	3/4	1 1/2	3 3/4	6	44403	\$95.87	44413	\$100.69	43757	\$105.50	47545	\$105.50	
1 1/4	3/4	2	4 1/4	6	44404	\$100.35	44414	\$105.39	43758	\$110.43	47546	\$110.43	
1 1/4	1 1/4	1 3/8	3 7/8	6	44405	\$98.11	44415	\$103.04	43759	\$107.97	47547	\$107.97	
1 1/4	1 1/4	2	4 1/2	6	44406	\$89.04	44416	\$93.52	43760	\$98.00	47548	\$98.00	
1 1/4	1 1/4	3	5 1/2	6	44408	\$117.26	44418	\$123.09	43761	\$129.02	47549	\$129.02	
1 1/4	1 1/4	4	6 1/2	6	44409	\$131.71	44419	\$138.32	43762	\$144.93	47550	\$144.93	
1 1/4	1 1/4	6	8 1/2	6	43409	\$176.74	43419	\$185.58	43763	\$194.43	47551	\$194.43	
1 3/8	3/4	1 1/8	3 3/8	6	44441	\$100.35	44443	\$105.39	43764	\$110.43	47552	\$110.43	
1 3/8	3/4	2	4 1/4	6	44442	\$107.41	44444	\$112.78	43765	\$118.16	47553	\$118.16	
1 1/2	3/4	3/4	3	6	43480	\$94.30	43490	\$99.01	43766	\$103.71	47554	\$103.71	
1 1/2	3/4	1 1/8	3 3/8	6	44481	\$102.26	44491	\$107.41	43767	\$112.45	47555	\$112.45	
1 1/2	3/4	1 1/2	3 3/4	6	44482	\$111.66	44492	\$117.26	43768	\$122.86	47556	\$122.86	
1 1/2	3/4	2	4 1/4	6	44483	\$115.47	44493	\$121.30	43769	\$127.01	47557	\$127.01	
1 1/2	1 1/4	2	4 1/2	6	44484	\$119.17	44494	\$125.10	43770	\$131.04	47558	\$131.04	
1 1/2	1 1/4	3	5 1/2	6	44485	\$153.66	44495	\$161.39	43771	\$169.01	47559	\$169.01	
1 1/2	1 1/4	4	6 1/2	6	44486	\$171.25	44496	\$179.76	43772	\$188.38	47560	\$188.38	
1 1/2	1 1/4	5	7 1/2	6	44488	\$202.38	44498	\$212.46	43773	\$222.66	47561	\$222.66	
1 1/2	1 1/4	6	8 1/2	6	44489	\$253.90	44499	\$266.56	43774	\$279.33	47562	\$279.33	
1 3/4	3/4	1 1/8	3 3/8	6	43562	\$156.02	43561	\$163.86	43775	\$171.58	47563	\$171.58	
1 3/4	3/4	2	4 1/4	6	43564	\$173.15	43563	\$181.78	43776	\$190.51	47564	\$190.51	
1 3/4	1 1/4	2	4 1/2	6	43566	\$184.91	43565	\$194.21	43777	\$203.39	47565	\$203.39	
1 3/4	1 1/4	4	6 1/2	6	43568	\$222.66	43567	\$233.74	43778	\$244.94	47566	\$244.94	
2	3/4	3/4	3	8	44640	\$178.75	43640	\$187.71	43779	\$196.67	47567	\$196.67	
2	3/4	1 1/8	3 3/8	8	44641	\$158.37	43641	\$166.32	43780	\$174.16	47568	\$174.16	
2	3/4	2	4 1/4	8	44642	\$175.62	43642	\$184.35	43781	\$193.20	47569	\$193.20	
2	1 1/4	2	4 1/2	8	44643	\$177.86	43643	\$186.70	43782	\$195.66	47570	\$195.66	
2	1 1/4	4	6 1/2	8	44644	\$213.92	43644	\$224.67	43783	\$235.31	47571	\$235.31	
2	1 1/4	6 1/8	8 5/8	8	44645	\$293.22	43645	\$307.89	43784	\$322.56	47572	\$322.56	
2	2	2	5 3/4	8	44646	\$200.03	43646	\$210.00	43785	\$220.08	47573	\$220.08	
2	2	3	6 3/4	8	44647	\$213.92	43647	\$224.67	43786	\$235.31	47574	\$235.31	
2	2	4	7 3/4	8	44648	\$247.07	43648	\$259.39	43787	\$271.82	47575	\$271.82	
2	2	5	8 3/4	8	44649	\$293.22	43649	\$307.89	43788	\$322.56	47576	\$322.56	
2	2	6	9 3/4	8	44650	\$305.42	43650	\$320.66	43789	\$336.00	47577	\$336.00	
2	2	7	10 3/4	8	44652	\$410.59	43652	\$431.09	43790	\$451.70	47578	\$451.70	
2	2	8	11 3/4	8	44653	\$425.15	43653	\$446.43	43791	\$467.71	47579	\$467.71	
2	2	10	13 3/4	8	44654	\$520.35	43654	\$546.34	43792	\$572.43	47580	\$572.43	
2	2	12	15 3/4	8	44656	\$620.82	43656	\$651.84	43793	\$682.86	47581	\$682.86	
Flute Dia		+0.001"	-0.000"		Overall Length			+0.062"	-0.000"	Helix Angle 36°			
Shank Dia		-0.0001"	-0.0005"						Length of Cut		+0.031"	-0.000"	