

**REC448 - Multi Flute Single-End Center Cutting Fine-Pitch Roughing Cobalt End Mills****September 2005 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
3/16	3/8	1/2	2 3/8	4	44839	\$28.56	44838	\$30.02	88493	\$31.47	14554	\$31.47
1/4	3/8	5/8	2 7/16	4	44841	\$28.56	44840	\$30.02	88494	\$31.47	14555	\$31.47
1/4	3/8	1 1/4	3 1/16	4	44843	\$35.17	44842	\$36.96	88495	\$38.64	14556	\$38.64
1/4	3/8	3/8	2 3/16	4	44870	\$22.62	44871	\$23.74	44872	\$24.86	14557	\$24.86
5/16	3/8	3/4	2 1/2	4	44845	\$28.56	44844	\$30.02	88496	\$31.47	14558	\$31.47
5/16	3/8	1 3/8	3 1/8	4	44847	\$35.17	44846	\$36.96	88497	\$38.64	14559	\$38.64
3/8	3/8	1/2	2 1/4	4	44873	\$22.62	44874	\$23.74	44875	\$24.86	14560	\$24.86
3/8	3/8	3/4	2 1/2	4	44849	\$28.56	44848	\$30.02	88498	\$31.47	14561	\$31.47
3/8	3/8	1 1/2	3 1/4	4	44851	\$35.17	44850	\$36.96	88499	\$38.64	14562	\$38.64
7/16	3/8	1	2 11/16	4	44853	\$30.80	44852	\$32.37	88500	\$33.94	14563	\$33.94
1/2	1/2	5/8	2 5/8	4	44876	\$30.46	44877	\$32.03	44878	\$33.49	14564	\$33.49
1/2	1/2	1 1/4	3 1/4	4	44801	\$37.63	44800	\$39.54	88474	\$41.44	14565	\$41.44
1/2	1/2	2	4	4	44803	\$50.85	44802	\$53.42	88475	\$55.89	14566	\$55.89
9/16	1/2	1 3/8	3 3/8	4	44855	\$35.95	44854	\$37.74	88501	\$39.54	14567	\$39.54
5/8	5/8	5/8	2 3/4	4	44879	\$36.96	44880	\$38.86	44881	\$40.66	14568	\$40.66
5/8	5/8	1 1/4	3 3/8	4	44857	\$37.74	44856	\$39.65	88502	\$41.55	14569	\$41.55
5/8	5/8	1 5/8	3 3/4	4	44805	\$46.37	44804	\$48.72	88476	\$50.96	14570	\$50.96
5/8	5/8	2 1/2	4 5/8	4	44807	\$60.82	44806	\$63.84	88477	\$66.86	14571	\$66.86
3/4	5/8	1 5/8	3 3/4	4	44861	\$53.31	44860	\$56.00	88504	\$58.69	14572	\$58.69
3/4	3/4	3/4	3	4	44859	\$43.90	44858	\$46.14	88503	\$48.27	14573	\$48.27
3/4	3/4	1 5/8	3 7/8	4	44809	\$53.31	44808	\$56.00	88478	\$58.69	14574	\$58.69
3/4	3/4	3	5 1/4	4	44811	\$67.76	44810	\$71.12	88479	\$74.59	14575	\$74.59
7/8	3/4	1 7/8	4 1/8	5	44813	\$74.59	44812	\$78.29	88480	\$82.10	14576	\$82.10
7/8	3/4	3 1/2	5 3/4	5	44815	\$65.74	44814	\$68.99	88481	\$72.35	14577	\$72.35
7/8	7/8	1 7/8	4 1/8	5	44817	\$69.44	44816	\$72.91	88482	\$76.38	14578	\$76.38
7/8	7/8	3 1/2	5 3/4	5	44863	\$89.04	44862	\$93.52	88505	\$98.00	14579	\$98.00
1	3/4	1 1/2	3 3/4	5	44867	\$80.08	44866	\$84.11	88507	\$88.14	14580	\$88.14
1	3/4	2	4 1/4	5	44869	\$81.54	44868	\$85.57	88508	\$89.71	14581	\$89.71
1	1	1	3 1/2	5	44882	\$66.53	44883	\$69.89	44884	\$73.14	14582	\$73.14
1	1	2	4 1/2	5	44819	\$81.54	44818	\$85.57	88483	\$89.71	14583	\$89.71
1	1	3	5 1/2	5	44821	\$99.68	44820	\$104.72	88484	\$109.65	14584	\$109.65
1	1	4	6 1/2	5	44823	\$106.62	44822	\$112.00	88485	\$117.26	14585	\$117.26
1	1	6	8 1/2	5	44865	\$165.42	44864	\$173.71	88506	\$182.00	14586	\$182.00
1 1/4	1 1/4	1 1/4	3 3/4	6	44885	\$88.48	44886	\$92.96	44887	\$97.33	14587	\$97.33
1 1/4	1 1/4	2	4 1/2	6	44825	\$106.62	44824	\$112.00	88486	\$117.26	14588	\$117.26
1 1/4	1 1/4	3	5 1/2	6	14596	\$141.12	14597	\$148.18	14598	\$155.23	14589	\$155.23
1 1/4	1 1/4	4	6 1/2	6	44827	\$159.94	44826	\$167.89	88487	\$175.95	14590	\$175.95
1 1/2	1 1/4	2	4 1/2	6	44829	\$146.72	44828	\$154.11	88488	\$161.39	14591	\$161.39
1 1/2	1 1/4	4	6 1/2	6	44831	\$208.88	44830	\$219.30	88489	\$229.82	14592	\$229.82
2	2	3	6 3/4	8	44833	\$257.82	44832	\$270.70	88490	\$283.58	14593	\$283.58
2	2	4	7 3/4	8	44835	\$298.59	44834	\$313.49	88491	\$328.50	14594	\$328.50
2	2	6	9 3/4	8	44837	\$369.38	44836	\$387.86	88492	\$406.34	14595	\$406.34
<b>Flute Dia</b>		+0.003" -0.000 1" & under / +0.006" -0.000" over 1"									<b>Helix Angle 30°</b>	
<b>Shank Dia</b>		-0.0001" -0.0005"		<b>Overall Length</b>			+0.062" -0.000"		<b>Length of Cut</b>		+0.031" -0.000"	