



REC700 - Multi Flute Single-End Center Cutting 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	70013	\$28.56	70012	\$30.02	88861	\$31.47	75817	\$31.47
1/4	3/8	5/8	2 7/16	4	70015	\$28.56	70014	\$30.02	88862	\$31.47	75818	\$31.47
1/4	3/8	3/8	2 13/16	4	70210	\$22.62	70211	\$23.74	70212	\$24.86	75819	\$24.86
1/4	3/8	1 1/4	3 1/16	4	70017	\$35.17	70016	\$36.96	88863	\$38.64	75820	\$38.64
5/16	3/8	3/4	2 1/2	4	70019	\$28.56	70018	\$30.02	88864	\$31.47	75821	\$31.47
5/16	3/8	1 3/8	3 1/8	4	70021	\$35.17	70020	\$36.96	88865	\$38.64	75822	\$38.64
3/8	3/8	1/2	2 1/4	4	70213	\$22.62	70214	\$23.74	70215	\$24.86	75823	\$24.86
3/8	3/8	3/4	2 1/2	4	70023	\$28.56	70022	\$30.02	88866	\$31.47	75824	\$31.47
3/8	3/8	1 1/2	3 1/4	4	70025	\$35.17	70024	\$36.96	88867	\$38.64	75825	\$38.64
7/16	3/8	1	2 11/16	4	70027	\$30.80	70026	\$32.37	88868	\$33.94	75826	\$33.94
1/2	1/2	5/8	2 5/8	4	70216	\$30.46	70217	\$32.03	70218	\$33.49	75827	\$33.49
1/2	1/2	1	3	4	70129	\$30.35	70128	\$31.92	88869	\$33.38	75828	\$33.38
1/2	1/2	1 1/4	3 1/4	4	70031	\$37.63	70030	\$39.54	88870	\$41.44	75829	\$41.44
1/2	1/2	1 5/8	3 5/8	4	70033	\$47.60	70032	\$49.95	79526	\$52.42	75830	\$52.42
1/2	1/2	2	4	4	70035	\$50.85	70034	\$53.42	88871	\$55.89	75831	\$55.89
1/2	1/2	2 1/2	4 1/2	4	70137	\$54.10	70136	\$56.78	79527	\$59.47	75832	\$59.47
1/2	1/2	3	5	4	70139	\$57.23	70138	\$60.14	79528	\$62.94	75833	\$62.94
9/16	1/2	1 3/8	3 3/8	4	70037	\$35.95	70036	\$37.74	88872	\$39.54	75834	\$39.54
5/8	5/8	5/8	2 3/4	4	70219	\$36.96	70221	\$38.86	70222	\$40.66	75835	\$40.66
5/8	5/8	3/4	2 7/8	4	70127	\$36.85	70126	\$38.64	79529	\$40.54	75836	\$40.54
5/8	5/8	1 1/4	3 3/8	4	70029	\$37.74	70028	\$39.65	79530	\$41.55	75837	\$41.55
5/8	5/8	1 5/8	3 3/4	4	70039	\$46.37	70038	\$48.72	88873	\$50.96	75838	\$50.96
5/8	5/8	2 1/8	4 1/4	4	70041	\$55.22	70040	\$58.02	79531	\$60.70	75839	\$60.70
5/8	5/8	2 1/2	4 5/8	4	70043	\$60.82	70042	\$63.84	88874	\$66.86	75840	\$66.86
5/8	5/8	3 1/8	5 1/4	4	70045	\$62.38	70044	\$65.52	79532	\$68.66	75841	\$68.66
11/16	5/8	1 5/8	3 3/4	4	70147	\$53.31	70146	\$56.00	79533	\$58.69	75842	\$58.69
3/4	5/8	1 5/8	3 3/4	4	70053	\$53.31	70052	\$56.00	88878	\$58.69	75843	\$58.69
3/4	3/4	3/4	3	4	70049	\$43.90	70048	\$46.14	88876	\$48.27	75844	\$48.27
3/4	3/4	1 1/4	3 1/2	4	70151	\$44.58	70150	\$46.82	79534	\$49.06	75845	\$49.06
3/4	3/4	1 1/2	3 3/4	4	70153	\$52.30	70152	\$54.88	79535	\$57.57	75846	\$57.57
3/4	3/4	1 5/8	3 7/8	4	70047	\$53.31	70046	\$56.00	88875	\$58.69	75847	\$58.69
3/4	3/4	2	4 1/4	4	70149	\$63.95	70148	\$67.20	79536	\$70.34	75848	\$70.34
3/4	3/4	2 1/2	4 3/4	4	70155	\$67.31	70154	\$70.67	79537	\$74.03	75849	\$74.03
3/4	3/4	3	5 1/4	4	70051	\$67.76	70050	\$71.12	88877	\$74.59	75850	\$74.59
3/4	3/4	4 1/8	6 3/8	4	70157	\$69.22	70156	\$72.69	79538	\$76.16	75851	\$76.16
13/16	3/4	1 7/8	4 1/8	5	70159	\$53.09	70158	\$55.78	79539	\$58.35	75852	\$58.35
7/8	3/4	1 1/8	3 3/8	5	70165	\$59.92	70164	\$62.94	79540	\$65.97	75853	\$65.97
7/8	3/4	1 1/2	3 3/4	5	70057	\$65.97	70056	\$69.22	79541	\$72.58	75854	\$72.58
7/8	3/4	1 7/8	4 1/8	5	70055	\$62.16	70054	\$65.30	88879	\$68.43	75855	\$68.43
7/8	3/4	3 1/2	5 3/4	5	70059	\$89.04	70058	\$93.52	88880	\$98.00	75856	\$98.00
7/8	7/8	1 1/8	3 3/8	5	70061	\$64.29	70060	\$67.54	79542	\$70.67	75857	\$70.67
7/8	7/8	1 7/8	4 1/8	5	70063	\$74.59	70062	\$78.29	88881	\$82.10	75858	\$82.10
7/8	7/8	3 1/2	5 3/4	5	70065	\$89.04	70064	\$93.52	88882	\$98.00	75859	\$98.00
1	3/4	3/4	3	5	70069	\$66.53	70068	\$69.89	79543	\$73.14	75860	\$73.14
1	3/4	1 1/8	3 3/8	5	70073	\$85.34	70072	\$89.60	79544	\$93.86	75861	\$93.86
1	3/4	1 1/2	3 3/4	5	70079	\$80.08	70078	\$84.11	88887	\$88.14	75862	\$88.14
1	3/4	2	4 1/4	5	70081	\$81.54	70080	\$85.57	88888	\$89.71	75863	\$89.71
1	3/4	3	5 1/4	5	70083	\$99.68	70082	\$104.72	79545	\$109.65	75864	\$109.65
1	3/4	4	6 1/4	5	70085	\$111.89	70084	\$117.49	79546	\$123.09	75865	\$123.09
1	1	1	3 1/2	5	70224	\$66.53	70225	\$69.89	70226	\$73.14	75866	\$73.14
1	1	1 1/8	3 5/8	5	70167	\$66.08	70166	\$69.44	79547	\$72.69	75867	\$72.69
1	1	1 5/8	4 1/8	5	70171	\$79.74	70170	\$83.78	79548	\$87.70	75868	\$87.70
1	1	2	4 1/2	5	70067	\$81.54	70066	\$85.57	88883	\$89.71	75869	\$89.71

RECT700 - Multi Flute Single-End Center Cutting Roughing Cobalt End Mills

Continued

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	1	3	5 1/2	5	70071	\$99.68	70070	\$104.72	88884	\$109.65	75870	\$109.65	
1	1	4	6 1/2	5	70075	\$106.62	70074	\$112.00	88885	\$117.26	75871	\$117.26	
1	1	6	8 1/2	5	70077	\$165.42	70076	\$173.71	88886	\$182.00	75872	\$182.00	
1 1/8	3/4	1 1/8	3 3/8	6	70173	\$84.90	70172	\$89.15	79549	\$93.41	75873	\$93.41	
1 1/8	3/4	2	4 1/4	6	70175	\$94.86	70174	\$99.57	79550	\$104.38	75874	\$104.38	
1 1/8	1	2	4 1/2	6	70177	\$97.10	70176	\$101.92	79551	\$106.85	75875	\$106.85	
1 1/8	1	3 1/2	6	6	70179	\$110.54	70178	\$116.03	79552	\$121.63	75876	\$121.63	
1 1/4	3/4	3/4	3	6	70181	\$107.63	70180	\$113.01	79553	\$118.38	75877	\$118.38	
1 1/4	3/4	1 1/8	3 3/8	6	70183	\$110.10	70182	\$115.58	79554	\$121.07	75878	\$121.07	
1 1/4	3/4	1 1/2	3 3/4	6	70185	\$143.47	70184	\$150.64	79555	\$157.81	75879	\$157.81	
1 1/4	3/4	2	4 1/4	6	70187	\$117.26	70186	\$123.09	79556	\$129.02	75880	\$129.02	
1 1/4	1 1/4	1 1/4	3 3/4	6	70227	\$102.82	70228	\$107.97	70229	\$113.12	75881	\$113.12	
1 1/4	1 1/4	1 3/8	3 7/8	6	70189	\$115.14	70188	\$120.85	79557	\$126.67	75882	\$126.67	
1 1/4	1 1/4	2	4 1/2	6	70087	\$106.62	70086	\$112.00	88889	\$117.26	75883	\$117.26	
1 1/4	1 1/4	3	5 1/2	6	70089	\$141.12	70088	\$148.18	79558	\$155.23	75884	\$155.23	
1 1/4	1 1/4	4	6 1/2	6	70091	\$159.94	70090	\$167.89	88890	\$175.95	75885	\$175.95	
1 1/4	1 1/4	6	8 1/2	6	70093	\$214.59	70092	\$225.34	79559	\$236.10	75886	\$236.10	
1 3/8	3/4	1 1/8	3 3/8	6	70095	\$105.73	70094	\$110.99	79560	\$116.26	75887	\$116.26	
1 3/8	3/4	2	4 1/4	6	70097	\$111.10	70096	\$116.70	79561	\$122.19	75888	\$122.19	
1 1/2	3/4	3/4	3	6	70191	\$138.99	70190	\$145.94	79562	\$152.88	75889	\$152.88	
1 1/2	3/4	1 1/8	3 3/8	6	70193	\$141.90	70192	\$148.96	79563	\$156.13	75890	\$156.13	
1 1/2	3/4	1 1/2	3 3/4	6	70195	\$144.70	70194	\$151.98	79564	\$159.15	75891	\$159.15	
1 1/2	3/4	2	4 1/4	6	70197	\$146.16	70196	\$153.44	79565	\$160.83	75892	\$160.83	
1 1/2	1 1/4	2	4 1/2	6	70099	\$146.72	70098	\$154.11	88891	\$161.39	75893	\$161.39	
1 1/2	1 1/4	3	5 1/2	6	70101	\$188.83	70100	\$198.24	79566	\$207.76	75894	\$207.76	
1 1/2	1 1/4	4	6 1/2	6	70103	\$208.88	70102	\$219.30	88892	\$229.82	75895	\$229.82	
1 1/2	1 1/4	5	7 1/2	6	70105	\$245.73	70104	\$258.05	79567	\$270.26	75896	\$270.26	
1 1/2	1 1/4	6	8 1/2	6	70107	\$294.78	70106	\$309.57	79568	\$324.24	75897	\$324.24	
1 3/4	3/4	1 1/8	3 3/8	6	70109	\$172.70	70108	\$181.33	79569	\$189.95	75898	\$189.95	
1 3/4	3/4	2	4 1/4	6	70113	\$192.19	70112	\$201.82	79570	\$211.46	75899	\$211.46	
1 3/4	1 1/4	2	4 1/2	6	70117	\$205.07	70116	\$215.38	79571	\$225.57	75900	\$225.57	
1 3/4	1 1/4	4	6 1/2	6	70121	\$273.06	70120	\$286.72	79572	\$300.38	75901	\$300.38	
2	3/4	3/4	3	8	70123	\$170.91	70122	\$179.42	79573	\$188.05	75902	\$188.05	
2	3/4	1 1/8	3 3/8	8	70125	\$175.28	70124	\$184.02	79574	\$192.86	75903	\$192.86	
2	3/4	2	4 1/4	8	70131	\$194.88	70130	\$204.62	79575	\$214.37	75904	\$214.37	
2	1 1/4	2	4 1/2	8	70133	\$197.46	70132	\$207.31	79576	\$217.17	75905	\$217.17	
2	1 1/4	4	6 1/2	8	70135	\$310.80	70134	\$326.37	79577	\$341.94	75906	\$341.94	
2	1 1/4	6 1/8	8 5/8	8	70141	\$375.54	70140	\$394.35	79578	\$413.06	75907	\$413.06	
2	2	2	5 3/4	8	70143	\$276.98	70142	\$290.86	79579	\$304.64	75908	\$304.64	
2	2	3	6 3/4	8	70111	\$310.80	70110	\$326.37	88893	\$341.94	75909	\$341.94	
2	2	4	7 3/4	8	70115	\$343.50	70114	\$360.64	88894	\$377.89	75910	\$377.89	
2	2	5	8 3/4	8	70145	\$375.54	70144	\$394.35	79580	\$413.06	75911	\$413.06	
2	2	6	9 3/4	8	70119	\$442.62	70118	\$464.80	88895	\$486.86	75912	\$486.86	
2	2	7	10 3/4	8	70202	\$477.12	70201	\$500.98	79581	\$524.83	75913	\$524.83	
2	2	8	11 3/4	8	70205	\$494.03	70204	\$518.78	79582	\$543.42	75914	\$543.42	
2	2	10	13 3/4	8	70207	\$604.69	70206	\$634.93	79583	\$665.17	75915	\$665.17	
2	2	12	15 3/4	8	70209	\$721.50	70208	\$757.57	79584	\$793.63	75916	\$793.63	
3	2 1/2	4	7 3/4	10	72511	\$787.81	72510	\$827.23	69347	\$866.54	71045	\$866.54	
3	2 1/2	6	9 3/4	10	72515	\$937.55	72514	\$984.48	69348	\$1,031.30	71046	\$1,031.30	
3	2 1/2	8	11 3/4	10	72519	\$1,132.32	72518	\$1,188.99	69349	\$1,245.55	71047	\$1,245.55	
3	2 1/2	10	13 3/4	10	72523	\$1,262.02	72522	\$1,325.07	69350	\$1,388.24	71048	\$1,388.24	
3	2 1/2	12	15 3/4	10	72527	\$1,301.55	72526	\$1,366.62	69351	\$1,431.70	71049	\$1,431.70	
3	2 1/2	6	9 3/4	10	72515	\$937.55	72514	\$984.48	69348	\$1,031.30	71046	\$1,031.30	
3	2 1/2	8	11 3/4	10	72519	\$1,132.32	72518	\$1,188.99	69349	\$1,245.55	71047	\$1,245.55	
3	2 1/2	10	13 3/4	10	72523	\$1,262.02	72522	\$1,325.07	69350	\$1,388.24	71048	\$1,388.24	
3	2 1/2	12	15 3/4	10	72527	\$1,301.55	72526	\$1,366.62	69351	\$1,431.70	71049	\$1,431.70	
Flute Dia		+0.003" -0.000 1" & under / +0.006" -0.000" over 1"										Helix Angle 30°	
Shank Dia		-0.0001"	-0.0005"		Overall Length		+0.062"	-0.000"	Length of Cut		+0.031"	-0.000"	