



S203 - 2 Flute Single-End 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	2	20041	\$10.53	20040	\$11.09	69000	\$11.54	67069	\$11.54
5/32	3/8	7/16	2 5/16	2	20051	\$10.53	20050	\$11.09	79400	\$11.54	67070	\$11.54
11/64	3/8	7/16	2 5/16	2	20059	\$15.23	20058	\$16.02	69001	\$16.80	67071	\$16.80
3/16	3/8	3/16	2 1/16	2	21061	\$10.53	21060	\$11.09	87921	\$11.54	17576	\$11.54
3/16	3/8	7/16	2 5/16	2	20061	\$10.53	20060	\$11.09	69002	\$11.54	67072	\$11.54
3/16	3/8	5/8	2 7/16	2	22061	\$15.46	22060	\$16.24	87941	\$17.02	14654	\$17.02
3/16	3/8	3/4	2 5/8	2	23061	\$16.13	23060	\$16.91	87985	\$17.70	52258	\$17.70
13/64	3/8	7/16	2 5/16	2	20069	\$15.23	20068	\$16.02	69003	\$16.80	67073	\$16.80
7/32	3/8	1/4	2 1/16	2	21071	\$11.42	21070	\$11.98	87922	\$12.54	17577	\$12.54
7/32	3/8	1/2	2 5/16	2	20071	\$11.87	20070	\$12.43	69004	\$13.10	67074	\$13.10
7/32	3/8	3/4	2 9/16	2	22071	\$16.13	22070	\$16.91	87942	\$17.70	14655	\$17.70
7/32	3/8	7/8	2 11/16	2	23071	\$16.13	23070	\$16.91	87986	\$17.70	52259	\$17.70
15/64	3/8	1/2	2 5/16	2	20079	\$15.23	20078	\$16.02	69005	\$16.80	67075	\$16.80
1/4	3/8	1/4	2 1/16	2	21081	\$10.53	21080	\$11.09	87923	\$11.54	17578	\$11.54
1/4	3/8	1/2	2 5/16	2	20081	\$10.53	20080	\$11.09	20084	\$11.54	67076	\$11.54
1/4	3/8	3/4	2 5/8	2	22081	\$15.46	22080	\$16.24	87943	\$17.02	14656	\$17.02
1/4	3/8	1	2 7/8	2	23081	\$16.13	23080	\$16.91	87987	\$17.70	52260	\$17.70
17/64	3/8	9/16	2 5/16	2	20089	\$15.23	20088	\$16.02	69006	\$16.80	67077	\$16.80
9/32	3/8	5/16	2 1/16	2	21091	\$11.42	21090	\$11.98	87924	\$12.54	17579	\$12.54
9/32	3/8	9/16	2 5/16	2	20091	\$11.87	20090	\$12.43	69007	\$13.10	67078	\$13.10
9/32	3/8	1	2 3/4	2	22091	\$16.13	22090	\$16.91	87944	\$17.70	14657	\$17.70
9/32	3/8	1 3/8	3 1/8	2	23091	\$16.13	23090	\$16.91	87988	\$17.70	52261	\$17.70
19/64	3/8	9/16	2 5/16	2	20099	\$15.23	20098	\$16.02	69008	\$16.80	67079	\$16.80
5/16	3/8	5/16	2 1/16	2	21101	\$10.53	21100	\$11.09	87925	\$11.54	17580	\$11.54
5/16	3/8	9/16	2 5/16	2	20101	\$10.53	20100	\$11.09	20104	\$11.54	67080	\$11.54
5/16	3/8	1	2 3/4	2	22101	\$15.46	22100	\$16.24	87945	\$17.02	14658	\$17.02
5/16	3/8	1 3/8	3 1/8	2	23101	\$16.13	23100	\$16.91	87989	\$17.70	52262	\$17.70
21/64	3/8	9/16	2 5/16	2	20109	\$15.23	20108	\$16.02	69009	\$16.80	67081	\$16.80
11/32	3/8	3/8	2 1/8	2	21111	\$11.42	21110	\$11.98	87926	\$12.54	17581	\$12.54
11/32	3/8	9/16	2 5/16	2	20111	\$11.87	20110	\$12.43	69010	\$13.10	67082	\$13.10
11/32	3/8	1 1/8	2 7/8	2	22111	\$16.13	22110	\$16.91	87946	\$17.70	14659	\$17.70
11/32	3/8	1 1/2	3 1/4	2	23111	\$16.13	23110	\$16.91	87990	\$17.70	52263	\$17.70
23/64	3/8	9/16	2 5/16	2	20119	\$15.23	20118	\$16.02	69011	\$16.80	67083	\$16.80
3/8	3/8	3/8	2 1/8	2	21121	\$10.53	21120	\$11.09	87927	\$11.54	17582	\$11.54
3/8	3/8	9/16	2 5/16	2	20121	\$10.53	20120	\$11.09	20124	\$11.54	67084	\$11.54
3/8	3/8	1 1/8	2 7/8	2	22121	\$15.46	22120	\$16.24	87947	\$17.02	14660	\$17.02
3/8	3/8	1 1/2	3 1/4	2	23121	\$16.13	23120	\$16.91	87991	\$17.70	52264	\$17.70
25/64	3/8	13/16	2 1/2	2	20129	\$21.95	20128	\$23.07	69012	\$24.19	67085	\$24.19
13/32	3/8	7/16	2 1/8	2	21131	\$14.78	21130	\$15.57	87928	\$16.24	17583	\$16.24
13/32	3/8	13/16	2 1/2	2	20131	\$15.34	20130	\$16.13	69013	\$16.91	67086	\$16.91
13/32	3/8	1 3/8	3 1/16	2	22131	\$18.14	22130	\$19.04	87948	\$19.94	14661	\$19.94
13/32	3/8	2	3 11/16	2	23131	\$18.93	23130	\$19.82	87992	\$20.83	52265	\$20.83
27/64	3/8	13/16	2 1/2	2	20139	\$21.50	20138	\$22.62	69014	\$23.63	67087	\$23.63
7/16	3/8	7/16	2 1/8	2	21141	\$14.34	21140	\$15.01	87929	\$15.79	17584	\$15.79
7/16	3/8	13/16	2 1/2	2	20141	\$14.78	20140	\$15.57	69015	\$16.24	67088	\$16.24
7/16	3/8	1 3/8	3 1/16	2	22141	\$17.70	22140	\$18.59	87949	\$19.49	14662	\$19.49
7/16	3/8	2	3 11/16	2	23141	\$18.48	23140	\$19.38	87993	\$20.38	52266	\$20.38
29/64	3/8	13/16	2 1/2	2	20149	\$23.63	20148	\$24.86	69016	\$25.98	67089	\$25.98
15/32	3/8	1/2	2 3/16	2	21151	\$16.35	21150	\$17.14	87930	\$18.03	17585	\$18.03
15/32	3/8	13/16	2 1/2	2	20151	\$17.02	20150	\$17.92	69017	\$18.70	67090	\$18.70
15/32	3/8	1 1/2	3 3/16	2	22151	\$20.05	22150	\$21.06	87950	\$22.06	14663	\$22.06
15/32	3/8	2	3 11/16	2	23151	\$21.06	23150	\$22.06	87994	\$23.18	52267	\$23.18
31/64	3/8	13/16	2 1/2	2	20159	\$23.63	20158	\$24.86	69018	\$25.98	67091	\$25.98
1/2	3/8	13/16	2 1/2	2	20161	\$14.78	20167	\$15.57	69019	\$16.24	67092	\$16.24
1/2	1/2	1/2	2 1/2	2	21162	\$15.46	21160	\$16.24	87931	\$17.02	17586	\$17.02
1/2	1/2	1	3	2	20162	\$15.34	20160	\$16.13	20164	\$16.91	67093	\$16.91
1/2	1/2	1 1/2	3 1/2	2	22162	\$18.14	22160	\$19.04	87951	\$19.94	14664	\$19.94
1/2	1/2	2	4	2	23162	\$20.27	23160	\$21.28	87995	\$22.29	52268	\$22.29

S203 - 2 Flute Single-End Center-Cutting End Mills

Continued

Sept 2006 Pricing

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
33/64	1/2	1	3	2	20169	\$22.40	20168	\$23.52	69020	\$24.64	67094	\$24.64
17/32	1/2	5/8	2 5/8	2	21172	\$20.38	21170	\$21.39	87932	\$22.40	17587	\$22.40
17/32	1/2	1 1/8	3 1/8	2	20172	\$21.17	20170	\$22.18	69021	\$23.30	67095	\$23.30
17/32	1/2	1 7/8	3 7/8	2	22172	\$24.64	22170	\$25.87	87952	\$27.10	14665	\$27.10
17/32	1/2	2 1/2	4 1/2	2	23172	\$26.10	23170	\$27.44	87996	\$28.67	52269	\$28.67
35/64	1/2	1 1/8	3 1/8	2	20179	\$28.90	20178	\$30.35	69022	\$31.81	67096	\$31.81
9/16	1/2	5/8	2 5/8	2	21182	\$21.28	21180	\$22.40	87933	\$23.41	17588	\$23.41
9/16	1/2	1 1/8	3 1/8	2	20182	\$18.48	20180	\$19.38	69023	\$20.38	67097	\$20.38
9/16	1/2	1 7/8	3 7/8	2	22182	\$26.21	22180	\$27.55	87953	\$28.78	14666	\$28.78
9/16	1/2	2 1/2	4 1/2	2	23182	\$27.44	23180	\$28.78	87997	\$30.24	52270	\$30.24
37/64	1/2	1 1/8	3 1/8	2	20189	\$28.67	20188	\$30.13	69024	\$31.58	67098	\$31.58
19/32	1/2	1 1/8	3 1/8	2	20192	\$23.18	20190	\$24.30	69025	\$25.54	67099	\$25.54
39/64	5/8	1 5/16	3 7/16	2	20199	\$32.26	20198	\$33.82	69026	\$35.50	67100	\$35.50
5/8	1/2	1 1/8	3 1/8	2	20202	\$20.72	20207	\$21.73	69027	\$22.85	67101	\$22.85
5/8	5/8	5/8	2 3/4	2	21203	\$21.62	21200	\$22.74	87934	\$23.74	17589	\$23.74
5/8	5/8	1 5/16	3 7/16	2	20203	\$21.50	20200	\$22.62	20204	\$23.63	67102	\$23.63
5/8	5/8	1 5/8	3 3/4	2	22204	\$24.19	22201	\$25.42	87955	\$26.66	14667	\$26.66
5/8	5/8	1 7/8	4	2	22203	\$23.63	22200	\$24.86	87954	\$25.98	14668	\$25.98
5/8	5/8	2	4 1/8	2	23204	\$27.78	23201	\$29.12	87998	\$30.58	52271	\$30.58
5/8	5/8	2 1/2	4 5/8	2	23203	\$24.53	23200	\$25.76	87999	\$26.99	52272	\$26.99
41/64	5/8	1 5/16	3 7/16	2	20209	\$31.81	20208	\$33.38	69028	\$34.94	67103	\$34.94
21/32	5/8	1 5/16	3 7/16	2	20213	\$25.09	20210	\$26.32	69029	\$27.55	67104	\$27.55
43/64	5/8	1 5/16	3 7/16	2	20219	\$31.81	20218	\$33.38	69030	\$34.94	67105	\$34.94
11/16	1/2	1 5/16	3 5/16	2	20222	\$22.29	20227	\$23.41	69031	\$24.53	67106	\$24.53
11/16	1/2	1 5/8	3 5/8	2	22222	\$26.10	22221	\$27.44	87956	\$28.67	14670	\$28.67
11/16	5/8	3/4	2 7/8	2	21223	\$21.17	21220	\$22.18	87935	\$23.30	17590	\$23.30
11/16	5/8	1 5/16	3 7/16	2	20223	\$22.29	20220	\$23.41	69032	\$24.53	67107	\$24.53
11/16	5/8	2 1/4	4 3/8	2	22223	\$26.10	22220	\$27.44	87957	\$28.67	14669	\$28.67
11/16	5/8	3	5 1/8	2	23223	\$27.33	23220	\$28.67	88000	\$30.02	52273	\$30.02
45/64	3/4	1 5/16	3 9/16	2	20229	\$35.73	20228	\$37.52	69033	\$39.31	67108	\$39.31
23/32	3/4	1 5/16	3 9/16	2	20234	\$26.88	20230	\$28.22	69034	\$29.57	67109	\$29.57
47/64	3/4	1 5/16	3 9/16	2	20239	\$35.95	20238	\$37.74	69035	\$39.54	67110	\$39.54
3/4	1/2	1 5/16	3 5/16	2	20242	\$24.30	20241	\$25.54	69036	\$26.77	67111	\$26.77
3/4	5/8	1 5/16	3 7/16	2	20243	\$24.30	20247	\$25.54	69037	\$26.77	67112	\$26.77
3/4	3/4	3/4	3	2	21244	\$25.09	21240	\$26.32	87936	\$27.55	17591	\$27.55
3/4	3/4	1 5/16	3 9/16	2	20244	\$24.30	20240	\$25.54	20245	\$26.77	67113	\$26.77
3/4	3/4	1 3/4	4	2	22245	\$27.55	22241	\$28.90	87959	\$30.35	14671	\$30.35
3/4	3/4	2 1/4	4 1/2	2	22244	\$25.42	22240	\$26.66	87958	\$28.00	14672	\$28.00
3/4	3/4	3	5 1/4	2	23244	\$34.72	23240	\$36.51	88001	\$38.19	52274	\$38.19
49/64	3/4	1 1/2	3 3/4	2	20249	\$39.76	20248	\$41.78	69038	\$43.79	67114	\$43.79
25/32	3/4	1 1/2	3 3/4	2	20254	\$32.93	20250	\$34.61	69039	\$36.18	67115	\$36.18
51/64	3/4	1 1/2	3 3/4	2	20259	\$39.76	20258	\$41.78	69040	\$43.79	67116	\$43.79
13/16	5/8	1 1/2	3 5/8	2	20263	\$29.23	20267	\$30.69	69041	\$32.14	67117	\$32.14
13/16	3/4	7/8	3 1/8	2	21264	\$29.01	21260	\$30.46	87937	\$31.92	17592	\$31.92
13/16	3/4	1 1/2	3 3/4	2	20264	\$29.23	20260	\$30.69	69042	\$32.14	67118	\$32.14
13/16	3/4	2 5/8	4 7/8	2	22264	\$37.63	22260	\$39.54	87960	\$41.44	14673	\$41.44
13/16	3/4	3 1/2	5 3/4	2	23264	\$39.65	23260	\$41.66	88002	\$43.57	52275	\$43.57
53/64	7/8	1 1/2	3 3/4	2	20269	\$41.78	20268	\$43.90	69043	\$45.92	67119	\$45.92
27/32	7/8	1 1/2	3 3/4	2	20275	\$33.60	20270	\$35.28	69044	\$36.96	67120	\$36.96
55/64	7/8	1 1/2	3 3/4	2	20279	\$41.78	20278	\$43.90	69045	\$45.92	67121	\$45.92
7/8	5/8	1 1/2	3 5/8	2	20283	\$29.23	20281	\$30.69	69046	\$32.14	67122	\$32.14
7/8	3/4	1 1/2	3 3/4	2	20284	\$29.57	20287	\$31.02	69047	\$32.48	67123	\$32.48
7/8	7/8	7/8	3 1/8	2	21285	\$30.80	21280	\$32.37	87938	\$33.94	17593	\$33.94
7/8	7/8	1 1/2	3 3/4	2	20285	\$30.58	20280	\$32.14	69048	\$33.60	67124	\$33.60
7/8	7/8	2	4 1/4	2	22286	\$34.72	22281	\$36.51	87962	\$38.19	14674	\$38.19
7/8	7/8	2 1/2	4 3/4	2	22289	\$32.03	22288	\$33.60	87963	\$35.28	14675	\$35.28
7/8	7/8	2 5/8	4 7/8	2	22285	\$34.16	22280	\$35.84	87961	\$37.63	14676	\$37.63
7/8	7/8	3 1/2	5 3/4	2	23285	\$42.34	23280	\$44.46	88003	\$46.59	52276	\$46.59
57/64	7/8	1 5/8	3 7/8	2	20289	\$44.13	20288	\$46.37	69049	\$48.50	67125	\$48.50
29/32	7/8	1 5/8	3 7/8	2	20295	\$37.52	20290	\$39.42	69050	\$41.33	67126	\$41.33
59/64	7/8	1 5/8	3 7/8	2	20299	\$44.13	20298	\$46.37	69051	\$48.50	67127	\$48.50
15/16	3/4	1 1/2	3 3/4	2	20304	\$32.82	20303	\$34.50	69052	\$36.06	67128	\$36.06
15/16	7/8	1	3 1/4	2	21305	\$33.04	21300	\$34.72	87939	\$36.40	17594	\$36.40
15/16	7/8	1 5/8	3 7/8	2	20305	\$32.82	20300	\$34.50	69053	\$36.06	67129	\$36.06
15/16	7/8	3	5 1/4	2	22305	\$51.74	22300	\$54.32	87964	\$56.90	14677	\$56.90
15/16	7/8	4	6 1/4	2	23305	\$54.32	23300	\$57.01	88004	\$59.81	52277	\$59.81

S203 - 2 Flute Single-End Center-Cutting End Mills

Continued

Sept 2006 Pricing

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
61/64	1	1 5/8	4 1/8	2	20309	\$49.28	20308	\$51.74	69054	\$54.21	67130	\$54.21
31/32	1	1 5/8	4 1/8	2	20316	\$38.08	20310	\$39.98	69055	\$41.89	67131	\$41.89
63/64	1	1 5/8	4 1/8	2	20319	\$49.28	20318	\$51.74	69056	\$54.21	67132	\$54.21
1	5/8	1 1/2	3 5/8	2	20323	\$33.94	20322	\$35.62	69057	\$37.30	67133	\$37.30
1	3/4	1 1/2	3 3/4	2	20324	\$33.94	20321	\$35.62	69058	\$37.30	67134	\$37.30
1	7/8	1 1/2	3 3/4	2	20325	\$33.94	20328	\$35.62	69059	\$37.30	67135	\$37.30
1	1	1	3 1/2	2	21326	\$37.86	21320	\$39.76	87940	\$41.66	17595	\$41.66
1	1	1 5/8	4 1/8	2	20326	\$37.63	20320	\$39.54	20329	\$41.44	67136	\$41.44
1	1	2 1/4	4 3/4	2	22327	\$47.49	22321	\$49.84	87966	\$52.19	14678	\$52.19
1	1	3	5 1/2	2	22326	\$48.61	22320	\$51.07	87965	\$53.42	14679	\$53.42
1	1	4	6 1/2	2	23326	\$62.27	23320	\$65.41	88005	\$68.54	52278	\$68.54
1 1/16	3/4	1 1/2	3 3/4	2	20344	\$62.83	20348	\$65.97	69060	\$69.10	67137	\$69.10
1 1/16	1	1 5/8	4 1/8	2	20346	\$62.83	20340	\$65.97	69061	\$69.10	67138	\$69.10
1 1/8	3/4	1 5/8	3 7/8	2	20364	\$56.00	20361	\$58.80	69062	\$61.60	67139	\$61.60
1 1/8	7/8	1 5/8	3 7/8	2	20365	\$53.76	20362	\$56.45	69063	\$59.14	67140	\$59.14
1 1/8	1	1 5/8	4 1/8	2	20366	\$54.99	20360	\$57.79	69064	\$60.48	67141	\$60.48
1 1/8	1	2 1/4	4 3/4	2	22366	\$63.39	22361	\$66.53	87967	\$69.78	14680	\$69.78
1 1/8	1	3	5 1/2	2	22369	\$85.34	22368	\$89.60	87968	\$93.86	14681	\$93.86
1 3/16	3/4	1 5/8	3 7/8	2	20384	\$69.44	20381	\$72.91	69065	\$76.38	67142	\$76.38
1 3/16	1	1 5/8	4 1/8	2	20386	\$69.44	20380	\$72.91	69066	\$76.38	67143	\$76.38
1 1/4	3/4	1 5/8	3 7/8	2	20404	\$69.44	20402	\$72.91	69067	\$76.38	67144	\$76.38
1 1/4	7/8	1 5/8	3 7/8	2	20405	\$53.98	20403	\$56.67	69068	\$59.36	67145	\$59.36
1 1/4	1	1 5/8	4 1/8	2	20406	\$61.38	20401	\$64.40	69069	\$67.54	67146	\$67.54
1 1/4	1	2 1/4	4 3/4	2	22408	\$71.34	22401	\$74.93	87971	\$78.51	14682	\$78.51
1 1/4	1	3	5 1/2	2	22409	\$81.42	22403	\$85.46	87972	\$89.60	14684	\$89.60
1 1/4	1 1/4	1 5/8	4 1/8	2	20407	\$61.38	20400	\$64.40	69070	\$67.54	67147	\$67.54
1 1/4	1 1/4	2 1/4	4 3/4	2	22406	\$66.19	22402	\$69.55	87969	\$72.80	14683	\$72.80
1 1/4	1 1/4	3	5 1/2	2	22407	\$81.42	22400	\$85.46	87970	\$89.60	14685	\$89.60
1 5/16	1	1 5/8	4 1/8	2	20426	\$76.05	20420	\$79.86	69071	\$83.66	67148	\$83.66
1 3/8	3/4	1 5/8	3 7/8	2	20444	\$69.44	20448	\$72.91	69072	\$76.38	67149	\$76.38
1 3/8	1	1 5/8	4 1/8	2	20446	\$68.66	20440	\$72.13	69073	\$75.49	67150	\$75.49
1 3/8	1	2 1/4	4 3/4	2	22446	\$76.83	22442	\$80.64	87973	\$84.56	14686	\$84.56
1 3/8	1	3	5 1/2	2	22449	\$85.34	22448	\$89.60	87974	\$93.86	14687	\$93.86
1 7/16	1	1 5/8	4 1/8	2	20466	\$83.89	20460	\$88.03	69074	\$92.29	67151	\$92.29
1 1/2	3/4	1 5/8	3 7/8	2	20484	\$82.32	20482	\$86.46	69075	\$90.61	67152	\$90.61
1 1/2	1	1 5/8	4 1/8	2	20486	\$75.26	20481	\$79.07	69076	\$82.77	67153	\$82.77
1 1/2	1 1/4	1 5/8	4 1/8	2	20487	\$75.26	20480	\$79.07	69077	\$82.77	67154	\$82.77
1 1/2	1 1/4	2 1/4	4 3/4	2	22488	\$84.90	22481	\$89.15	87976	\$93.41	14688	\$93.41
1 1/2	1 1/4	3	5 1/2	2	22487	\$97.22	22480	\$102.03	87975	\$106.96	14689	\$106.96
1 9/16	1 1/4	1 5/8	4 1/8	2	20507	\$92.40	20500	\$96.99	69078	\$101.70	67155	\$101.70
1 5/8	1 1/4	1 5/8	4 1/8	2	20527	\$79.97	20520	\$84.00	69079	\$87.92	67156	\$87.92
1 5/8	1 1/4	2 1/4	4 3/4	2	22527	\$89.04	22521	\$93.52	87977	\$98.00	14690	\$98.00
1 5/8	1 1/4	3	5 1/2	2	22529	\$97.33	22528	\$102.14	87978	\$107.07	14691	\$107.07
1 11/16	1 1/4	1 5/8	4 1/8	2	20547	\$101.70	20540	\$106.74	69080	\$111.89	67157	\$111.89
1 3/4	3/4	1 5/8	3 7/8	2	20564	\$92.29	20563	\$96.88	69081	\$101.47	67158	\$101.47
1 3/4	1 1/4	1 5/8	4 1/8	2	20567	\$92.29	20560	\$96.88	69082	\$101.47	67159	\$101.47
1 3/4	1 1/4	2 1/4	4 3/4	2	22567	\$103.38	22561	\$108.53	87979	\$113.68	14692	\$113.68
1 3/4	1 1/4	3	5 1/2	2	22569	\$119.06	22568	\$124.99	87980	\$130.93	14693	\$130.93
1 13/16	1 1/4	1 5/8	4 1/8	2	20587	\$108.53	20580	\$113.90	69083	\$119.39	67160	\$119.39
1 7/8	1 1/4	1 5/8	4 1/8	2	20607	\$96.32	20600	\$101.14	69084	\$105.95	67161	\$105.95
1 7/8	1 1/4	2 1/4	4 3/4	2	22607	\$110.10	22601	\$115.58	87981	\$121.07	14694	\$121.07
1 7/8	1 1/4	3	5 1/2	2	22609	\$121.07	22608	\$127.12	87982	\$133.17	14695	\$133.17
1 15/16	1 1/4	1 5/8	4 1/8	2	20627	\$116.82	20620	\$122.64	69085	\$128.46	67162	\$128.46
2	3/4	1 5/8	3 7/8	2	20644	\$109.20	20643	\$114.69	69086	\$120.18	67163	\$120.18
2	1 1/4	1 5/8	4 1/8	2	20647	\$109.20	20640	\$114.69	69087	\$120.18	67164	\$120.18
2	1 1/4	2 1/4	4 3/4	2	22646	\$124.43	22642	\$130.70	87983	\$136.86	14696	\$136.86
2	1 1/4	3	5 1/2	2	22647	\$148.51	22640	\$155.90	87984	\$163.41	14697	\$163.41
Flute Dia	Stub Length: +0.000" -0.0015"					All Others: +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"	