



Chatterless Countersinks

Single Flute

H.S.S.



C/SINK DIA.	OVERALL LENGTH	60 DEG INC EDP NUMBER	82 DEG INC EDP NUMBER	90 DEG INC EDP NUMBER	100 DEG INC EDP NUMBER	120 DEG INC EDP NUMBER	LIST PRICE
1/8	1-1/2	94901	95901	96901	97901	98901	15.43
3/16	2	94902	95902	96902	97902	98902	15.84
1/4	2	94903	95903	96903	97903	98903	16.50
5/16	2-1/2	94904	95904	96904	97904	98904	18.07
3/8	2-1/2	94905	95905	96905	97905	98905	21.37
1/2	3	94906	95906	96906	97906	98906	24.17

Single Flute

Carbide



C/SINK DIA.	OVERALL LENGTH	60 DEG INC EDP NUMBER	82 DEG INC EDP NUMBER	90 DEG INC EDP NUMBER	100 DEG INC EDP NUMBER	120 DEG INC EDP NUMBER	LIST PRICE
1/8	1-1/2	93901	93911	93921	93931	93941	21.37
3/16	2	93902	93912	93922	93932	93942	28.30
1/4	2	93903	93913	93923	93933	93943	35.72
5/16	2-1/2	93904	93914	93924	93934	93944	53.63
3/8	2-1/2	93905	93915	93925	93935	93945	65.84
1/2	3	93906	93916	93926	93936	93946	90.09

6 Flute

H.S.S.



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1/8	1-1/2	36201	36301	36401	36501	36801	15.43
3/16	2	36202	36302	36402	36502	36802	15.84
1/4	2	36203	36303	36403	36503	36803	16.50
5/16	2-1/2	36204	36304	36404	36504	36804	18.07
3/8	2-1/2	36205	36305	36405	36505	36805	21.37
1/2	3	36206	36306	36406	36506	36806	24.17

6 Flute

Carbide



C/SINK DIA.	OVERALL LENGTH	60 DEG INC EDP NUMBER	82 DEG INC EDP NUMBER	90 DEG INC EDP NUMBER	100 DEG INC EDP NUMBER	120 DEG INC EDP NUMBER	LIST PRICE
1/8	1-1/2	38201	38301	38401	38501	38601	21.37
3/16	2	38202	38302	38402	38502	38602	28.30
1/4	2	38203	38303	38403	38503	38603	35.72
5/16	2-1/2	38204	38304	38404	38504	38604	53.63
3/8	2-1/2	38205	38305	38405	38505	38605	65.84
1/2	3	38206	38306	38406	38506	38606	90.09



Chatterless Countersinks

701

SERIES - Single Flute Suitable for countersinking non-ferrous metal and soft steel.



DIA.	SHANK DIA.	OVERALL LENGTH	60 DEG INC PART NUMBER	82 DEG INC PART NUMBER	90 DEG INC PART NUMBER	100 DEG INC PART NUMBER	LIST PRICE
1/8*	1/8	1-1/2	701-1256	701-1258	701-1259	701-1210	17.99
3/16*	3/16	2	701-1876	701-1878	701-1879	701-1810	20.13
1/4*	1/4	2	701-2506	701-2508	701-2509	701-2510	25.16
3/8	1/4	2	701-3756	701-3758	701-3758	701-3710	33.33
1/2	1/4	2	701-5006	701-5008	701-5009	701-5010	51.65
5/8	1/2	2-3/4	701-6256	701-6258	701-6259	701-6210	70.79
3/4	1/2	2-3/4	701-7506	701-7508	701-7509	701-7510	106.59
1	1/2	3	701-1006	701-1008	701-1009	701-1010	148.34
1-1/4	3/4	3-1/4	701-1.2506	701-1.2508	701-1.2509	701-1.2510	213.84

703

SERIES - Three Flute Spiral flutes for a chatterless and clean finish.



DIA.	SHANK DIA.	OVERALL LENGTH	60 DEG INC PART NUMBER	82 DEG INC PART NUMBER	90 DEG INC PART NUMBER	100 DEG INC PART NUMBER	LIST PRICE
1/8*	1/8	1-1/2	703-1256	703-1258	703-1259	703-1210	17.99
3/16*	3/16	2	703-1876	703-1878	703-1879	703-1810	23.51
1/4*	1/4	2	703-2506	703-2508	703-2509	703-2510	26.73
5/16	1/4	2-1/2	703-3126	703-3128	703-3129	703-3110	31.52
3/8	1/4	2-1/2	703-3756	703-3758	703-3758	703-3710	34.49
1/2	1/4	2-1/2	703-5006	703-5008	703-5009	703-5010	52.64
5/8	1/2	2-5/8	703-6256	703-6258	703-6259	703-6210	86.63
3/4	1/2	2-3/4	703-7506	703-7508	703-7509	703-7510	101.15
7/8	1/2	3	703-8756	703-8758	703-8759	703-8710	146.36
1	1/2	3	703-1006	703-1008	703-1009	703-1010	152.46
1-1/4	3/4	3-1/4	703-1.2506	703-1.2508	703-1.2509	703-1.2510	258.23
1-1/2	3/4	3-1/2	703-1.5006	703-1.5008	703-1.5009	703-1.5010	370.34

706

SERIES - Six Flute For use on hardened steel, high temperature alloys



DIA.	SHANK DIA.	OVERALL LENGTH	60 DEG INC PART NUMBER	82 DEG INC PART NUMBER	90 DEG INC PART NUMBER	100 DEG INC PART NUMBER	LIST PRICE
1/8*	1/8	1-1/2	706-1256	706-1258	706-1259	706-1210	17.99
3/16*	3/16	2	706-1876	706-1878	706-1879	706-1810	23.51
1/4*	1/4	2	706-2506	706-2508	706-2509	706-2510	26.73
5/16	1/4	2-1/2	706-3126	706-3128	706-3129	706-3110	31.52
3/8	1/4	2-1/2	706-3756	706-3758	706-3758	706-3710	34.49
1/2	1/4	2-1/2	706-5006	706-5008	706-5009	706-5010	52.64
5/8	1/2	2-5/8	706-6256	706-6258	706-6259	706-6210	86.63
3/4	1/2	2-3/4	706-7506	706-7508	706-7509	706-7510	101.15
7/8	1/2	3	706-8756	706-8758	706-8759	706-8710	146.36
1	1/2	3	706-1006	706-1008	706-1009	706-1010	152.46
1-1/4	3/4	3-1/4	706-1.2506	706-1.2508	706-1.2509	706-1.2510	258.23
1-1/2	3/4	3-1/2	706-1.5006	706-1.5008	706-1.5009	706-1.5010	370.34

*Indicates Solid Carbide all others have hardened steel shanks



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Single Flute HSS



BODY SIZE	SHANK DIA.	OVERALL LENGTH	60 DEG INC EDP NUMBER	82 DEG INC EDP NUMBER	90 DEG INC EDP NUMBER	100 DEG INC EDP NUMBER	120 DEG INC EDP NUMBER	LIST PRICE
1/8	1/8	1-1/2	31000	31020	31040	31060	31080	10.07
3/16	3/16	1-1/2	31001	31021	31041	31061	31081	10.32
1/4	3/16	2	31101	31121	31141	31161	31181	10.73
1/4	1/4	2	31002	31022	31042	31062	31082	10.73
5/16	1/4	2	31003	31023	31043	31063	31083	11.72
3/8	1/4	2	31004	31024	31044	31064	31084	12.38
1/2	1/4	2	31005	31025	31045	31065	31085	15.10
5/8	1/2	2-1/2	31006	31026	31046	31066	31086	20.21
3/4	1/2	2-3/4	31007	31027	31047	31067	31087	28.96
7/8	1/2	2-3/4	31008	31028	31048	31068	31088	39.60
1	1/2	2-3/4	31009	31029	31049	31069	31089	48.59
1-1/4	3/4	3-3/8	31010	31030	31050	-	-	91.16
1-1/2	3/4	3-3/8	31011	31031	31051	-	-	122.10
2	3/4	3-3/4	31012	31032	31052	-	-	198.41
2-1/2	1	4-3/4	31013	31033	31053	-	-	443.85
3	1	5	31014	31034	31054	-	-	610.50

Three Flute - H.S.S.



BODY SIZE	SHANK DIA.	OVERALL LENGTH	60 DEG INC EDP NUMBER	82 DEG INC EDP NUMBER	90 DEG INC EDP NUMBER	100 DEG INC EDP NUMBER	120 DEG INC EDP NUMBER	LIST PRICE
3/16	3/16	1-1/2	33001	33021	33041	33061	33081	9.16
1/4	1/4	2	33002	33022	33042	33062	33082	9.40
5/16	1/4	2	33003	33023	33043	33063	33083	11.22
3/8	1/4	2	33004	33024	33044	33064	33084	11.72
1/2	1/4	2	33005	33025	33045	33065	33085	14.44
5/8	1/2	2-1/2	33006	33026	33046	33066	33086	20.54
3/4	1/2	2-1/2	33007	33027	33047	33067	33087	28.22
7/8	1/2	2-3/4	33008	33028	33048	33068	33088	38.86
1	1/2	2-3/4	33009	33029	33049	33069	33089	43.31
1-1/4	3/4	3-3/8	33010	33030	33050	33070	33090	65.92
1-1/2	3/4	3-1/2	33011	33031	33051	33071	33091	95.29
1-3/4	1	4-1/4	33012	33032	33052	33072	33092	127.05
2	1	4-3/8	33013	33033	33053	33073	33093	156.92
2-1/2	1	4-3/4	33014	33034	33054	33074	33094	416.30
3	1	5	33015	33035	33055	33075	33095	570.90



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1/8	1/8	1-1/2	36000	36020	36040	36060	36080	8.42
3/16	3/16	1-1/2	36001	36021	36041	36061	36081	9.16
1/4	1/4	2	36002	36022	36042	36062	36082	9.40
1/4	3/16	1-1/2	36003	36023	36043	36063	36083	9.40
5/16	1/4	2	36004	36024	36044	36064	36084	11.22
3/8	1/4	2	36005	36025	36045	36065	36085	11.72
1/2	1/4	2	36006	36026	36046	36066	36086	14.44
1/2	3/8	2	36007	36027	36047	36067	36087	14.44
5/8	1/2	2-1/2	36008	36028	36048	36068	36088	20.54
3/4	1/2	2-3/4	36009	36029	36049	36069	36089	28.22
7/8	1/2	2-3/4	36010	36030	36050	36070	36090	38.86
1	1/2	2-3/4	36011	36031	36051	36071	36091	43.31
1-1/4	3/4	3-3/8	36012	36032	36052	36072	36092	65.92
1-1/2	3/4	3-1/2	36013	36033	36053	36073	36093	95.29
1-3/4	1	4-1/4	36014	36034	36054	36074	36094	127.05
2	1	4-3/8	36015	36035	36055	36075	36095	156.92
2-1/2	1	4-3/4	36016	36036	36056	36076	36096	416.30
3	1	5	36017	36037	36057	36077	36097	570.90

Carbide & H.S.S. Countersinks