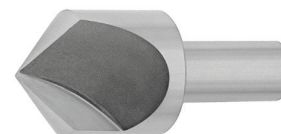


Chatterfree HSS Countersinks



Size	Range	Shank Dia.	82° HSS Code No.	Price \$	90° HSS Code No.	Price \$
0	1/16–15/64	1/4	121003	21.35	121002	21.35
1	5/32–13/32	1/4	121005	22.87	121004	22.87
2	3/16–17/32	1/4	121010	26.21	121009	26.21
3	5/16–25/32	1/2	121015	45.78	121014	45.78
4	9/16–1-1/16	1/2	121020	80.49	121019	83.40
5	5/8–1-15/32	1/2	121025	157.05	121024	183.72
6	3/4–1-3/4	5/8	121030	246.33	121031	287.46

Single Flute Countersinks HSS — 60°, 82°, 90°, 100°



Flute Dia. (in.)	Shank Dia. (in.)	Shank Length (in.)	Overall Length (in.)	60° HSS Code No.	Price \$	82° HSS Code No.	Price \$	90° HSS Code No.	Price \$	100° HSS Code No.	Price \$
3/16	3/16	3/4	1-1/2	120739	13.85	120753	13.85	120767	13.85	-	-
1/4	1/4	3/4	2	120740	13.86	120754	13.86	120768	13.86	120782	13.86
5/16	1/4	1	2	120741	15.61	120755	15.86	120769	15.61	120783	11.78
3/8	1/4	1	2	120742	19.80	120756	19.80	120770	19.80	120784	19.80
1/2	1/4	1	2	120743	23.75	-	-	120771	23.75	120785	16.97
5/8	3/8	1-1/8	2	120744	35.63	120758	35.63	120772	35.63	120786	25.68
5/8	1/2	1-1/8	2-3/4	120745	35.63	120759	35.63	120773	35.63	120787	27.37
3/4	3/8	1-5/16	2-3/4	120746	24.66	120760	39.58	120774	39.58	120788	28.77
3/4	1/2	1-5/16	2-3/4	120747	39.58	120761	39.58	120775	39.58	120789	58.88
7/8	1/2	1-5/16	2-3/4	120748	70.19	120762	63.32	120776	63.32	-	-
1	1/2	1-5/16	2-3/4	120749	69.31	120763	69.31	120777	69.31	120791	69.31
1-1/4	3/4	1-5/8	3-3/8	120750	64.38	120764	112.80	120778	112.80	-	-
1-1/2	3/4	1-5/8	3-1/2	120751	156.34	120765	156.34	120779	158.31	120793	114.37
2	3/4	1-5/8	3-3/4	-	-	120766	259.25	120780	259.25	120794	425.78

Sets

5pc set contains:	1/4, 3/8, 1/2, 3/4, 1	120855	172.18	120858	172.18	120860	172.18	120862	236.82
9pc set contains:	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1	120857	302.75	120850	302.75	120852	302.75	120863	221.02
12pc set contains:	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 2	120840	607.07	120859	829.19	120861	607.07	120864	607.07

Single Flute TiN Coated Premium Cobalt Countersinks — 60°, 82°, 90°, 100°, 120°

- Excellent for countersinking abrasive, high-strength, heat resistant, exotic and other difficult to machine materials
- TiN coated for higher surface hardness and better lubricity to enhance productivity and longer tool life



Body Dia. (in.)	Shank Dia. (in.)	60°	60° Code No.	Price \$	82°	82° Code No.	Price \$	90°	90° Code No.	Price \$
1/8	1/8	HSP1-1/8-60T	121609	19.84	HSP1-1/8-82T	121618	19.84	HSP1-1/8-90T	121627	19.84
3/16	3/16	HSP1-3/16-60T	121610	21.33	HSP1-3/16-82T	121619	21.33	HSP1-3/16-90T	121628	21.33
1/4	1/4	HSP1-1/4-60T	121611	21.68	HSP1-1/4-82T	121620	21.68	HSP1-1/4-90T	121629	23.54
3/8	1/4	HSP1-3/8-60T	121612	30.03	HSP1-3/8-82T	121621	27.72	HSP1-3/8-90T	121630	27.72
1/2	3/8	HSP1-1/2-60T	121613	38.97	HSP1-1/2-82T	121622	38.97	HSP1-1/2-90T	121631	38.97
5/8	3/8	HSP1-5/8-60T	121614	52.19	HSP1-5/8-82T	121623	56.70	HSP1-5/8-90T	121632	56.70
3/4	1/2	HSP1-3/4-60T	121615	78.86	HSP1-3/4-82T	121624	85.93	HSP1-3/4-90T	121633	85.93
1	1/2	HSP1-1-60T	121616	110.18	HSP1-1-82	121625	119.80	HSP1-1-90T	121634	110.18
1-1/4	1/2	HSP1-1-1/4-60T	121617	168.96	HSP1-1-1/4-82T	121626	183.81	HSP1-1-1/4-90T	121635	168.96

Body Dia. (in.)	Shank Dia. (in.)	100°	100° Code No.	Price \$	120°	120° Code No.	Price \$
1/8	1/8	HSP1-1/8-100T	121636	19.84	HSP1-1/8-120T	121645	19.84
3/16	3/16	HSP1-3/16-100T	121637	21.33	HSP1-3/16-120T	121646	21.33
1/4	1/4	HSP1-1/4-100T	121638	21.68	HSP1-1/4-120T	121647	21.68
3/8	1/4	HSP1-3/8-100T	121639	27.72	HSP1-3/8-120T	121648	27.72
1/2	3/8	HSP1-1/2-100T	121640	38.97	HSP1-1/2-120T	121649	38.97
5/8	3/8	HSP1-5/8-100T	121641	52.19	HSP1-5/8-120T	121650	52.19
3/4	1/2	HSP1-3/4-100T	121642	78.86	HSP1-3/4-120T	121651	78.86
1	1/2	HSP1-1-100T	121643	110.18	HSP1-1-120T	121652	110.18
1-1/4	1/2	HSP1-1-1/4-100T	121644	168.96	HSP1-1-1/4-120T	121653	168.96