

HIGH SPEED STEEL ZERO FLUTE (DEBURRING) COUNTERSINKS

ICS USA

GENERAL PURPOSE

RIGHT HAND CUT

STRAIGHT SHANK



AXIAL RELIEF

Zero Flute Countersinks are designed for countersinking and deburring operations. The single cutting edge removes stock quickly and prevents chatter. They can be resharpened by using an Axial Relieving Fixture or by using a small mounted grinding wheel and inserting it into the hole.

ITEM NO. ALPHA PREFIX NUMERIC SUFFIX (FLUTES & ANGLE) - SIZE	SIZE NO.	SHANK DIA.	OVERALL LENGTH	HOLE SIZE RANGE		POINT ANGLE		
				SMALL DIA.	LARGE DIA.	60° CSK060	82° CSK082	90° CSK090
CSK (FLUTE & ANGLE) #0	0	1/4	1-3/4	1/16	15/64	\$12.94	\$ 12.94	\$12.94
CSK (FLUTE & ANGLE) #1	1	1/4	1-3/4	5/32	13/32	15.02	15.02	15.02
CSK (FLUTE & ANGLE) #2	2	1/4	2	3/16	17/32	16.20	16.20	16.20
CSK (FLUTE & ANGLE) #3	3	1/2	2-3/4	5/16	25/32	26.38	26.38	26.38
CSK (FLUTE & ANGLE) #4	4	1/2	3	9/16	1-1/16	40.18	40.18	40.18
CSK (FLUTE & ANGLE) #5	5	1/2	3-3/4	5/8	1-15/32	-	64.68	-
CSK (FLUTE & ANGLE) #6	6	5/8	4	3/4	1-3/4	-	96.78	-
CSK (FLUTE & ANGLE) #7	7	5/8	4-3/8	1	2	-	116.78	-
CSK (FLUTE & ANGLE) #8	8	3/4	4-3/4	1-1/4	2-1/2	-	137.54	-

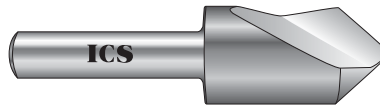
HIGH SPEED STEEL SINGLE FLUTE COUNTERSINKS

ICS USA

GENERAL PURPOSE

RIGHT HAND CUT

STRAIGHT SHANK



RADIAL RELIEF

Single flute countersinks should be used when multi-flute countersinks chatter or the hole is too small for a multi-flute countersink to enter. Use for machine and portable work when operating at higher speeds. Drilled hole should be at least 10% of the diameter of countersink. Single flute countersinks are available with 60 degree, 82 degree, 90 degree, 100 degree, 110 degree and 120 degree point angles.

ITEM NO. ALPHA PREFIX NUMERIC SUFFIX (FLUTES & ANGLE) - SIZE	SIZE	SHANK DIA.	OVERALL LENGTH	POINT ANGLE					
				60° CSK160	82° CSK182	90° CSK190	100° CSK100	110° CSK110	120° CSK120
CSK (FLUTE & ANGLE)-008	1/8	1/8	1-1/2	\$6.72	\$6.72	\$6.72	\$6.72	\$6.72	\$6.72
CSK (FLUTE & ANGLE)-012	3/16	3/16	1-1/2	6.72	6.72	6.72	6.72	6.72	6.72
CSK (FLUTE & ANGLE)-016	1/4	3/16	1-1/2	6.72	6.72	6.72	6.72	6.72	6.72
CSK (FLUTE & ANGLE)-020	5/16	1/4	1-7/8	7.26	7.26	7.26	7.26	7.26	7.26
CSK (FLUTE & ANGLE)-024	3/8	1/4	1-7/8	8.58	8.58	8.58	8.58	8.58	8.58
CSK (FLUTE & ANGLE)-032	1/2	1/4	2	12.32	12.32	12.32	12.32	12.32	12.32
CSK (FLUTE & ANGLE)-032a	1/2	3/8	2	12.32	12.32	12.32	12.32	12.32	12.32
CSK (FLUTE & ANGLE)-040	5/8	3/8	2-1/4	17.14	17.14	17.14	17.14	-	-
CSK (FLUTE & ANGLE)-048	3/4	3/8	2-1/2	24.08	24.08	24.08	24.08	24.08	24.08
CSK (FLUTE & ANGLE)-048a	3/4	1/2	2-1/2	22.96	22.96	22.96	22.96	22.96	22.96
CSK (FLUTE & ANGLE)-056	7/8	1/2	2-1/2	33.28	33.28	33.28	33.28	33.28	33.28
CSK (FLUTE & ANGLE)-100	1	1/2	2-3/4	36.44	36.44	36.44	36.44	-	36.44
CSK (FLUTE & ANGLE)-116	1-1/4	1/2	3-3/8	62.40	62.40	62.40	62.40	-	-
CSK (FLUTE & ANGLE)-116A	1-1/4	3/4	3-3/8	62.40	62.40	62.40	62.40	-	62.40
CSK (FLUTE & ANGLE)-132	1-1/2	1/2	3-1/2	87.36	87.36	87.36	-	-	87.36
CSK (FLUTE & ANGLE)-132a	1-1/2	3/4	3-1/2	78.40	78.40	78.40	78.40	-	78.40
CSK (FLUTE & ANGLE)-200	2	1/2	4	151.46	151.46	151.46	-	-	151.46
CSK (FLUTE & ANGLE)-200A	2	3/4	4	142.50	142.50	142.50	142.50	-	142.50
CSK (FLUTE & ANGLE)-232	2-1/2	3/4	5	313.60	313.60	313.60	313.60	-	-
CSK (FLUTE & ANGLE)-300	3	3/4	5-1/4	392.00	392.00	392.00	392.00	-	-