

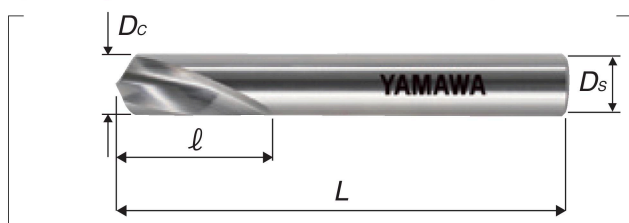
NC-SD

NC Starting Drills for Center Positioning



Segment : 56

Having a design of high toughness, NC-SD enables the stable positioning and beveling of high accuracy. With good cutting-start, NC-SD works well in positioning on curved face or inclined face which is difficult place to machine.



Size Dc x θ	Stock	Code	L (mm)	l (mm)	Dc (mm)	Ds (mm)	Number of Flutes	Type
3×125°	○	CS-D3.0	46	10	3	3	2	Ci
4×125°	○	CS-D4.0	55	12	4	4	2	Ci
5×125°	○	CS-D5.0	62	13	5	5	2	Ci
6×125°	○	CS-D6.0	66	15	6	6	2	Ci
8×125°	○	CS-D8.0	79	20	8	8	2	Ci
10×125°	○	CS-D010	89	23	10	10	2	Ci
12×125°	○	CS-D012	102	26	12	12	2	Ci
16×125°	○	CS-D016	115	32	16	16	2	Ci
20×125°	○	CS-D020	131	40	20	20	2	Ci
25×125°	○	CS-D025	151	50	25	25	2	Ci

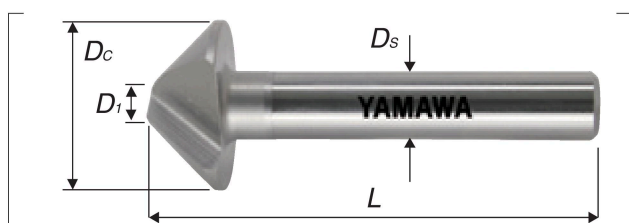
CS-Q

Countersinks 90°, Single Point Type, Machining Center Use



Segment : 53

CS-Q is suitable for the machining of high accuracy on the beveling of round hole and on the beveling of attaching face of screw bolts.



Size Dc x θ x Ds	Stock	Code	L (mm)	l (mm)	D1 (mm)	Ds (mm)	Number of Flutes	Type
4×90°×4	△	CS4.0Q	50	-	0.6	4	1	Cj

CS-Q Countersinks 90°, Single Point Type, Machining Center Use

Size Dc x θ x Ds	Stock	Code	L (mm)	l (mm)	D1 (mm)	Ds (mm)	Number of Flutes	Type
6×90°×6	○	CS6.0Q	50	-	1	6	1	Cj
8×90°×8	○	CS8.0Q	50	-	1.3	8	1	Cj
10×90°×8	○	CS010Q	46	5.5	1.6	8	1	Ck
15×90°×10	○	CS015Q	56	7.5	3.2	10	1	Ck
20×90°×10	○	CS020Q	60	10	4	10	1	Ck
25×90°×10	○	CS025Q	65	11	7	10	1	Ck
30×90°×12	○	CS030Q	70	12.5	9	12	1	Ck
35×90°×12	○	CS035Q	75	15	11	12	1	Ck
40×90°×12	○	CS040Q	80	17	12.5	12	1	Ck
45×90°×12	○	CS045Q	85	18.5	14	12	1	Ck
50×90°×12	○	CS050Q	90	20	16	12	1	Ck
60×90°×16	○	CS060Q	100	24	20	16	1	Ck

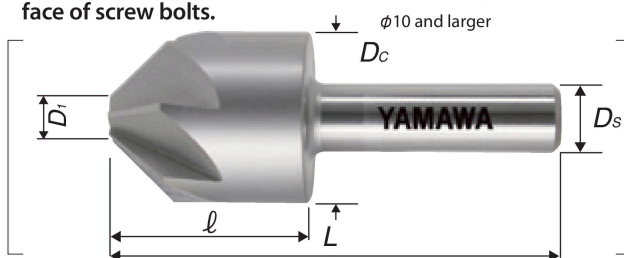
CS-QM

Countersinks 90° and 60°, Multiple Point Type, Drilling Machine Use



Segment : 53

CS-QM is suitable for the machining of high accuracy on the beveling of round hole and on the beveling of attaching face of screw bolts.



Size Dc x θ x Ds	Stock	Code	L (mm)	l (mm)	D1 (mm)	Ds (mm)	Number of Flutes	Type
6×90°×6	○	CS6.0QM9	42	-	1.2	6	3	Cm
8×90°×8	○	CS8.0QM9	44	-	1.6	8	3	Cm
10×90°×8	○	CS010QM9	46	14	2	8	3	Cn
12×90°×8	○	CS012QM9	48	16	2.5	8	5	Cn
16×90°×10	○	CS016QM9	56	20	3.2	10	5	Cn
20×90°×10	○	CS020QM9	60	24	4	10	5	Cn
25×90°×10	○	CS025QM9	65	29	7	10	7	Cn
30×90°×12	○	CS030QM9	68	32	9	12	7	Cn
35×90°×12	○	CS035QM9	70	34	11	12	7	Cn
40×90°×12	○	CS040QM9	71	35	12.5	12	7	Cn
6×60°×6	△	CS6.0QM6	46	-	1.2	6	3	Cm
8×60°×8	○	CS8.0QM6	48	-	1.6	8	3	Cm