

11 Center Drills / Centering Tools

Dia.	Tool end dia.	Shank dia.	Overall length	Cutting edge length
D ₁	D _c	D _s	L	ℓ

JIS

①

Spiral Fluted Taps
(for blind hole)

②

Spiral Fluted Taps
(for through hole)

③

Spiral Pointed Taps
(for through hole)

④

Hand Taps

⑤

Cemented
Carbide Taps

⑥

Roll Taps

⑦

Special Thread Taps
Simple Inspection Tools

⑧

Pipe Taps

⑨

Thread Mills
Premium Thread Mills

⑩

Dies

⑪

Center Drills
Centering Tools

⑫

Precision Machinery/
Medical Surgical Instruments

JIS

⑪-55

S

CS-Q

Countersinks 90°, Machining Center Use

Specification

HSS

■CS-Q is suitable for the machining of high accuracy on the chamfering of round hole and on the chamfering of attaching face of screw bolts. Having one cutting edge, this tool is suitable for machining center use.

Cutting Speed depending on Materials

Low carbon steels
低炭素鋼
10~20
(m/min)

Medium carbon steels
中炭素鋼
10~20
(m/min)

High carbon steels
高炭素鋼
10~20
(m/min)

Alloy steels
合金鋼
10~15
(m/min)

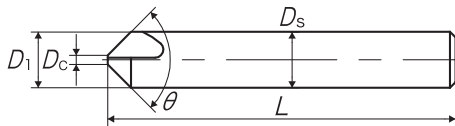
Stainless steels
ステンレス鋼
10~15
(m/min)

Tool steels
工具鋼
10~15
(m/min)

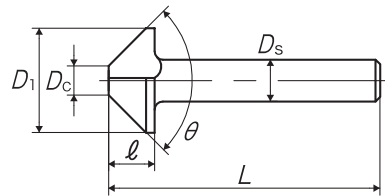
Cast irons
鋳鉄
10~30
(m/min)

Aluminum alloy castings
アルミ合金鋳物
15~45
(m/min)

TYPE:1



TYPE:2



Segment : 53

Size D ₁ × θ × D _s	Code	D _c (mm)	D _s (mm)	L (mm)	ℓ (mm)	No. of flutes	TYPE	MSRP
4 × 90° × 4	CS4.0Q	0.6	4	50	-	1	1	¥ 1,000 ※
6 × 90° × 6	CS6.0Q	1	6	50	-	1	1	¥ 1,200
8 × 90° × 8	CS8.0Q	1.3	8	50	-	1	1	¥ 1,400
10 × 90° × 8	CS010Q	1.6	8	46	5.5	1	2	¥ 3,170
15 × 90° × 10	CS015Q	3.2	10	56	7.5	1	2	¥ 4,580
20 × 90° × 10	CS020Q	4	10	60	10	1	2	¥ 6,110
25 × 90° × 10	CS025Q	7	10	65	11	1	2	¥ 8,080
30 × 90° × 12	CS030Q	9	12	70	12.5	1	2	¥ 10,300
35 × 90° × 12	CS035Q	11	12	75	15	1	2	¥ 14,700
40 × 90° × 12	CS040Q	12.5	12	80	17	1	2	¥ 19,300
45 × 90° × 12	CS045Q	14	12	85	18.5	1	2	¥ 23,600
50 × 90° × 12	CS050Q	16	12	90	20	1	2	¥ 28,200
60 × 90° × 16	CS060Q	20	16	100	24	1	2	¥ 41,300

Think threads with
YAMAWA

※ = Specified Distribution Items. Made to order products.