

Drill dia.	Tool end dia.	Shank dia.	Overall length	Cutting edge length	Body length
D <sub>2</sub>	D <sub>c</sub>	D <sub>s</sub>	L	ℓ	ℓ <sub>2</sub>

11

JIS

Spiral Fluted Taps  
(for blind hole) ①

Spiral Fluted Taps  
(for through hole) ②

Spiral Pointed Taps  
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps  
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills  
Premium Thread Mills ⑨

Dies ⑩

Center Drills  
Centering Tools ⑪

Precision Machinery/  
Metal Surgical Instruments ⑫

JIS

⑪-66

## JO-CSQM

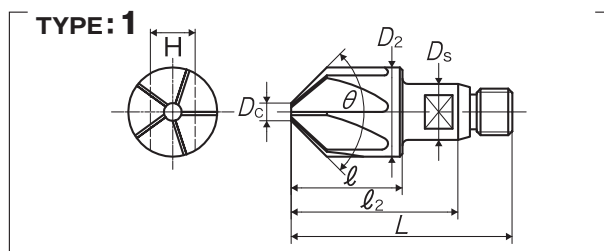
Joint- Countersinks 90°, Drilling Machine Use



Specification Cutting Speed depending on Materials

HSS	Low carbon steels 低炭素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Alloy steels 合金鋼	Stainless steels ステンレス鋼	Tool steels 工具鋼	Cast irons 鑄鉄
	10~15 (m/min)	10~15 (m/min)	10~15 (m/min)	5~10 (m/min)	5~10 (m/min)	5~10 (m/min)	10~25 (m/min)
	Aluminum alloy castings アルミ合金鋳物						
	12~36 (m/min)						

■ The JO-CSQM is a countersink joint tool for chamfering with a drilling machine.



Segment : 5C

Size D <sub>2</sub> × θ	Code	D <sub>c</sub> (mm)	D <sub>s</sub> (mm)	L (mm)	ℓ (mm)	ℓ <sub>2</sub> (mm)	H (mm)	No. of flutes	Adaptable holder Shank dia.	TYPE	MSRP
16 × 90°	JCS016QM9	3.2	10	37.5	20	27.5	8	5	14	1	¥ 3,780
20 × 90°	JCS020QM9	4	12	43.5	24	32.5	10	5	16	1	¥ 4,280

Shank dia.	Overall length	Body length
D <sub>s</sub>	L	ℓ

## JO-HOLDER

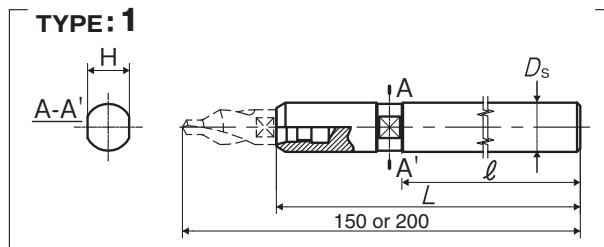
Holders for Joint Tools, for 150mm and for 200mm



Specification

Alloy steel

■ A holder exclusively for the Joint Tools. After installing into the Joint tool, we offer long types of 150 mm and 200 mm including the tool length.



Segment : 5A

Size	Code	D <sub>s</sub> (mm)	L (mm)	ℓ (mm)	H (mm)	Applicable cutting edge shank dia.	TYPE	MSRP
14 × 150	JH1014M	14	122.5	86	12	10	1	¥ 9,660 □
16 × 150	JH1216M	16	117.5	80	14	12	1	¥ 9,620 □
20 × 150	JH1620M	20	115.5	74	17	16	1	¥ 10,100 □
14 × 200	JH1014N	14	172.5	136	12	10	1	¥ 11,200 □
16 × 200	JH1216N	16	167.5	130	14	12	1	¥ 11,000 □
20 × 200	JH1620N	20	165.5	124	17	16	1	¥ 12,400 □

□ = In stock at manufacture

Think threads with  
YAMAWA