

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>

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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

⑬ Precision Machinery / Medical Surgical Instruments

⑭ Precision Machinery / Medical Surgical Instruments

JIS

JIS

## JO-CSQM

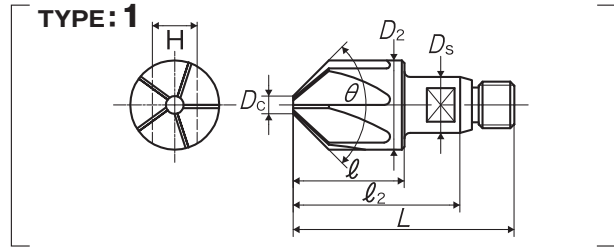
Joint- Countersinks 90°, Drilling Machine Use



Specification Cutting Speed depending on Materials

<b>HSS</b>	Low carbon steels 低炭素鋼 10~15 (m/min)	Medium carbon steels 中炭素鋼 10~15 (m/min)	High carbon steels 高炭素鋼 10~15 (m/min)	Alloy steels 合金鋼 5~10 (m/min)	<b>Stainless steels</b> ステンレス鋼 5~10 (m/min)	Tool steels 工具鋼 5~10 (m/min)	Cast irons 鑄鉄 10~25 (m/min)
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Aluminum alloy castings  
アルミ合金鑄物  
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	¥ 3,600
20 × 90°	JCS020QM9	4	12	43.5	24	32.5	10	5	16	1	¥ 4,070

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

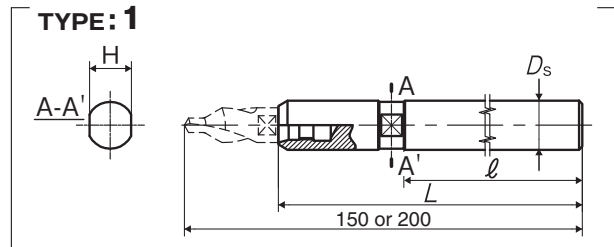
## JO-HOLDER

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	¥ 8,780 □
16 × 150	JH1216M	16	117.5	80	14	12	1	¥ 8,740 □
20 × 150	JH1620M	20	115.5	74	17	16	1	¥ 9,180 □
14 × 200	JH1014N	14	172.5	136	12	10	1	¥ 10,100 □
16 × 200	JH1216N	16	167.5	130	14	12	1	¥ 9,980 □
20 × 200	JH1620N	20	165.5	124	17	16	1	¥ 11,200 □