

Drill dia.	Shank dia.	Overall length	Drill length
Dc	Ds	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

⑪-57

JIS

CS-G

Submarine Gate Cutter, 20°, 30°



Specification

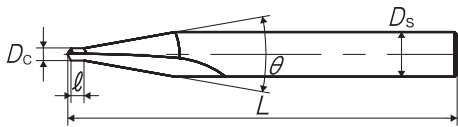
HSS

■ CS-G is the special drill for making submarine gate (tunnel gate) on the die mold of plastic injection machine.

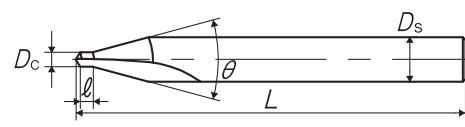
Cutting Speed depending on Materials

Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Alloy steels 合金鋼
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)

TYPE: 1



TYPE: 2



Segment : 54

Size Dc × θ × Ds	Code	Dc (mm)	Ds (mm)	L (mm)	ℓ (mm)	No. of flutes	TYPE	MSRP
0.5 × 20° × 6	CS-G0.52-J	0.5	6	57	0.5	2	1	¥ 5,020*
0.5 × 30° × 6	CS-G0.53-J	0.5	6	57	0.5	2	2	¥ 5,020*
0.5 × 20° × 6	CS-G0.52-LS	0.5	6	100	0.5	2	1	¥ 6,460*
0.5 × 30° × 6	CS-G0.53-LS	0.5	6	100	0.5	2	2	¥ 6,460*
0.6 × 20° × 6	CS-G0.62-J	0.6	6	57	0.5	2	1	¥ 4,240*
0.6 × 30° × 6	CS-G0.63-J	0.6	6	57	0.5	2	2	¥ 4,240*
0.6 × 20° × 6	CS-G0.62-LS	0.6	6	100	0.5	2	1	¥ 5,490*
0.6 × 30° × 6	CS-G0.63-LS	0.6	6	100	0.5	2	2	¥ 5,490*
0.7 × 20° × 6	CS-G0.72-J	0.7	6	57	0.5	2	1	¥ 3,880*
0.7 × 30° × 6	CS-G0.73-J	0.7	6	57	0.5	2	2	¥ 3,880*
0.7 × 20° × 6	CS-G0.72-LS	0.7	6	100	0.5	2	1	¥ 5,020*
0.7 × 30° × 6	CS-G0.73-LS	0.7	6	100	0.5	2	2	¥ 5,020*
0.8 × 20° × 6	CS-G0.82-J	0.8	6	57	0.5	2	1	¥ 3,620*
0.8 × 30° × 6	CS-G0.83-J	0.8	6	57	0.5	2	2	¥ 3,620*
0.8 × 20° × 6	CS-G0.82-LS	0.8	6	100	0.5	2	1	¥ 4,690*
0.8 × 30° × 6	CS-G0.83-LS	0.8	6	100	0.5	2	2	¥ 4,690*
0.9 × 20° × 6	CS-G0.92-LS	0.9	6	100	0.5	2	1	¥ 4,170*
0.9 × 30° × 6	CS-G0.93-LS	0.9	6	100	0.5	2	2	¥ 4,170*
1 × 20° × 6	CS-G1.02-J	1	6	57	0.5	2	1	¥ 2,830*
1 × 20° × 8	CS-G1.028J	1	8	57	0.5	2	1	¥ 3,240*
1 × 30° × 6	CS-G1.03-J	1	6	57	0.5	2	2	¥ 2,830*
1 × 30° × 8	CS-G1.038J	1	8	57	0.5	2	2	¥ 3,240*
1 × 20° × 8	CS-G1.028K	1	8	70	0.5	2	1	¥ 3,620*
1 × 30° × 8	CS-G1.038K	1	8	70	0.5	2	2	¥ 3,620*
1 × 20° × 6	CS-G1.02-LS	1	6	100	0.5	2	1	¥ 3,690*

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Size Dc × ℓ × Ds	Code	Dc (mm)	Ds (mm)	L (mm)	ℓ (mm)	No. of flutes	TYPE	MSRP
1 × 20° × 8	CS-G1.028LS	1	8	100	0.5	2	1	¥ 4,690 [*]
1 × 30° × 6	CS-G1.03-LS	1	6	100	0.5	2	2	¥ 3,690 [*]
1 × 30° × 8	CS-G1.038LS	1	8	100	0.5	2	2	¥ 4,690 [*]
1.5 × 20° × 8	CS-G1.52-K	1.5	8	70	0.5	2	1	¥ 3,620 [*]
1.5 × 30° × 8	CS-G1.53-K	1.5	8	70	0.5	2	2	¥ 3,620 [*]
1.5 × 20° × 8	CS-G1.52-LS	1.5	8	100	0.5	2	1	¥ 4,690 [*]
1.5 × 30° × 8	CS-G1.53-LS	1.5	8	100	0.5	2	2	¥ 4,690 [*]
2 × 20° × 8	CS-G2.02-K	2	8	70	0.5	2	1	¥ 3,620 [*]
2 × 30° × 8	CS-G2.03-K	2	8	70	0.5	2	2	¥ 3,620 [*]
2 × 20° × 8	CS-G2.02-LS	2	8	100	0.5	2	1	¥ 4,690 [*]
2 × 30° × 8	CS-G2.03-LS	2	8	100	0.5	2	2	¥ 4,690 [*]

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

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