

 Overall length
 Thread length
 Thread length
 Shank length
 Shank dia.
 Size of square
 Length of square

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# JIS

Spiral Fluted Taps

5 for through hole

Spiral Pointed Taps

Taps

Hand

ented e Taps

(9) Sold Took

Special Thread Tap

Ripe Taps

Thread Mills

10

Center Drills entering Tools

Precision Machinery/

# SC-TL-RZ



Torqueless Roll Taps with Short Chamfer

#### **Specification**









# Tapping Speeds depending on Materials











Zinc alloy castings 亜鉛合金鋳物 15~30 (m/min)

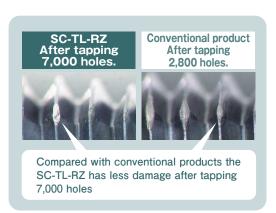
### **Product Features**

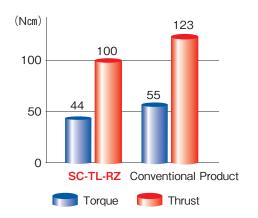
- High quality internal threading with fewer burrs can be produced with better tool life.
- Roll form processing into materials with low ductility is now possible.
- ■Tool life with water soluble cutting fluid is increased.
- ●The SC-TL-RZ offers high speed processing into:
  Stainless steel: SUS303, SUS304, SUS316, SUS440C ·
  Alloy steel: SCM420 · Carbon steel: S45C ~ S50C ·
  Aluminum casting · Aluminum die casting

#### **Tapping Data**

## Processing conditions [M3 $\times$ 0.5]

Workpiece Material	SCM440/32HRC
Bored Hole Size	φ2.8
Tapping Length	4.5mm
Tapping Speed	5m/min
Machinery Type	Tapping center
Tapping Fluid	Water soluble cutting fluid (10 to 1 dilution)







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Spiral Pointed Taps | Spiral Fluted Taps | Spiral Fluted Taps | (for through hole) | (for through hole) |

Hand Taps 4

Carbide Taps

6

Pipe Taps | Special Thread Taps Simple Inspection Tools

Thread Mills | Oremium Thread Mills |

Dies

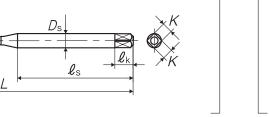
Center Drills Centering Tools

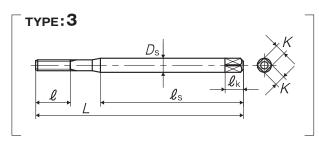
10

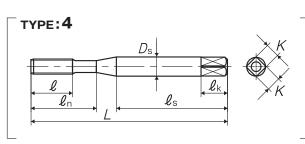
Precision Machinery/
Medical Surgical Instruments

(7)

TYPE:2 l







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Recommended class

Segment: 1J

TYPE: 1

l

Segment 10														
Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs <sub>(mm)</sub>	Ds (mm)	K (mm)	ℓk (mm)	Lobe	TYPE	١	MSRP
For Metric Threads														
$M1 \times 0.25$	G4	SRZM41.0B1	1P	36	4.5	-	24	3	2.5	5	4	1	¥	6,610
$M1.2 \times 0.25$	G4	SRZM41.2B1	1P	36	4.5	-	24	3	2.5	5	4	1	¥	6,040
$M1.4 \times 0.3$	G4	SRZM41.4C1	1P	36	5.4	-	24	3	2.5	5	4	1	¥	5,390
$M1.4 \times 0.2$	G3	SRZM31.4A1	1P	36	3.6	-	24	3	2.5	5	4	1	¥	8,090
$M1.6 \times 0.35$	G4	SRZM41.6D1	1P	36	6.3	-	24	3	2.5	5	4	2	¥	5,190
$M1.6 \times 0.2$	G3	SRZM31.6A1	1P	36	3.6	-	24	3	2.5	5	4	2	¥	7,840
$M1.7 \times 0.35$	G4	SRZM41.7D1	1P	36	6.3	-	24	3	2.5	5	4	2	¥	5,190
$M2 \times 0.4$	G4	SRZM42.0E1	1P	42	7.2	-	27	3	2.5	5	4	3	¥	4,920
$M2.5 \times 0.45$	G5	SRZM52.5F1	1P	46	8.1	14	29	3	2.5	5	4	4	¥	4,500
$M2.6 \times 0.45$	G5	SRZM52.6F1	1P	46	8.1	14	29	3	2.5	5	4	4	¥	4,500
$M3 \times 0.5$	G5	SRZM53.0G1	1P	46	9	14	26	4	3.2	6	4	4	¥	4,090
$M4 \times 0.7$	G6	SRZM64.0I1	1P	52	11	17	29	5	4	7	4	4	¥	4,190
$M5 \times 0.8$	G6	SRZM65.0K1	1P	60	13	22	33	5.5	4.5	7	4	4	¥	4,470
M6 × 1	G6	SRZM66.0M1	1P	62	15	26	33	6	4.5	7	4	4	¥	4,780
				For	Unified	Threads								
No.2-56UNC	G4	SRZM4UN2E1	1P	42	8.1	-	27	3	2.5	5	4	3	¥	5,290
No.4-40UNC	G5	SRZM5UN4H1	1P	46	9	14	25	4	3.2	6	4	4	¥	4,920

Number of oil grooves : Metric thread: M2.6 and smaller = non, M3 and larger = 2 Unified thread: No.4 and smaller = non