

# HSS



Being the best through innovation



# HAND TAPS

- 普通加工

General Tapping

# SELECTION GUIDE

## 手用丝锥 / HAND TAPS

普通加工, HSS / General Tapping, HSS

### HAND TAPS

项目	型号	刀具材质	标准	工件材质	尺寸	丝锥公差	倒角	表面处理	页
EDP No.	MODEL	Tool Material	Standard	Work Material	Dimensions	Tolerance	Chamfer	Surface Treatment	PAGE
<b>T7099</b>		HSS	M	<b>GS</b>	HT	JIS II	1.5P / 5.0P / 9.0P	Bright	<b>471</b>
<b>T7199</b>		HSS	UNC/F	<b>GS</b>	HT	JIS II	1.5P / 5.0P / 9.0P	Bright	<b>475</b>
<b>T7299</b>		HSS	W	<b>GS</b>	HT	JIS II	1.5P / 5.0P / 9.0P	Bright	<b>477</b>



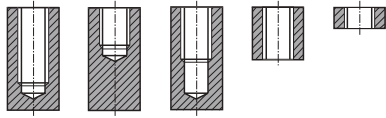
**T7099** SERIES

**M** 手用丝锥 (一套3支)  
HAND TAPS (SET of 3 PIECES)

▶ 标准丝锥可在广泛的范围中。

▶ Standard taps for a variety of application.

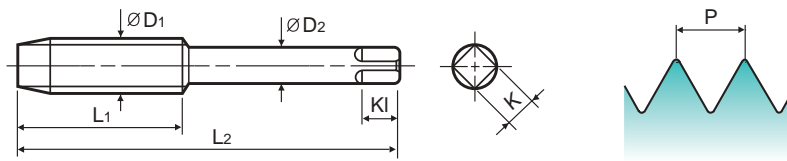
Hole type



Material groups  
**GS**

HSS HT JIS II 1.5P/5.0P/9.0P Bright

▶ Tap Limits : JIS Class 2  
▶ up to M6 : Male Center  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 Pitch	型号 EDP No.	精度 Limit	全长 Overall Length	螺纹长 Thread Length	柄径 Shank Diameter	方块尺寸 Square Size	方块长度 Square Length	槽数 No. of Flute
ØD1	P			L2	L1	ØD2	K	KI	
M2	× 0.4	T7099139	JIS II	40	15	3	2.5	5	3
M2.2	× 0.45	T7099159	JIS II	42	15	3	2.5	5	3
M2.3	× 0.4	T7099199	JIS II	42	15	3	2.5	5	3
M2.5	× 0.45	T7099179	JIS II	44	16	3	2.5	5	3
M2.6	× 0.45	T7099499	JIS II	44	16	3	2.5	5	3
M3	× 0.5	T7099209	JIS II	46	18	4	3.2	6	3
M3	× 0.35	T7099219	JIS II	46	18	4	3.2	6	3
M3.5	× 0.6	T7099229	JIS II	48	18	4	3.2	6	3
M3.5	× 0.35	T7099239	JIS II	48	18	4	3.2	6	3
M4	× 0.7	T7099249	JIS II	52	20	5	4	7	4
M4	× 0.5	T7099259	JIS II	52	20	5	4	7	4
M4.5	× 0.75	T7099269	JIS II	55	20	5	4	7	4
M4.5	× 0.5	T7099279	JIS II	55	20	5	4	7	4
M5	× 0.8	T7099289	JIS II	60	22	5.5	4.5	7	4
M5	× 0.5	T7099299	JIS II	60	22	5.5	4.5	7	4
M5.5	× 0.5	T7099309	JIS II	60	22	5.5	4.5	7	4
M6	× 1	T7099319	JIS II	62	24	6	4.5	7	4
M6	× 0.75	T7099329	JIS II	62	24	6	4.5	7	4
M6	× 0.5	T7099339	JIS II	62	24	6	4.5	7	4
M7	× 1	T7099349	JIS II	65	26	6.2	5	8	4
M7	× 0.75	T7099359	JIS II	65	26	6.2	5	8	4
M8	× 1.25	T7099369	JIS II	70	30	6.2	5	8	4

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRC25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
○	○	○	○	○			○	○	○	
铜 Copper Cu	黄铜 Brass Bs	铸铜 Brass Casting PB	铝轧 Aluminum Rolled AL	铸铝 Aluminum Alloy Casting AC,ADC	铸镁 Magnesium Casting MC	铸锌 Zinc Alloy Casting ZDC	钛合金 Ti Alloy	镍合金 Ni Alloy	热固性塑料 Thermosetting plastic	热塑性塑料 thermoplastic
	○	○	○	○	○	○			○	

COMBO TAPS

SPIRAL POINT TAPS

SPIRAL FLUTE TAPS

STRAIGHT FLUTE TAPS

LONG SHANK TAPS

FLUTELRSS TAPS

SCREW THREAD INSERT TAPS

HAND TAPS

PIPE TAPS

CARBIDE TAPS

SKS21 HAND TAPS

SKS21 PIPE TAPS

THREAD MILLS

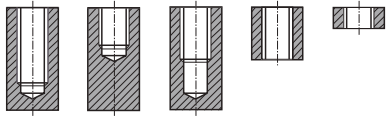
TECHNICAL DATA

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HAND TAPS(SET of 3 PIECES)

▶ 标准丝锥可用在广泛的范围中.

▶ Standard taps for a variety of application.

Hole type



Material groups

**GS**

HSS

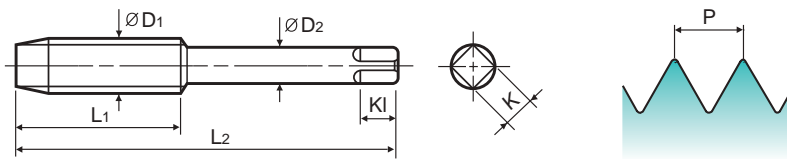
HT

JIS II

1.5P/5.0P/9.0P

Bright

- ▶ Tap Limits : JIS Class 2
- ▶ up to M6 : Male Center
- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 Pitch	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块尺寸 Square Size K	方块长度 Square Length KI	槽数 No. of Flute
M8	× 1	T7099379	JIS II	70	30	6.2	5	8	4
M8	× 0.75	T7099389	JIS II	65	26	6.2	5	8	4
M9	× 1.25	T7099399	JIS II	72	30	7	5.5	8	4
M9	× 1	T7099409	JIS II	70	30	7	5.5	8	4
M9	× 0.75	T7099419	JIS II	65	26	7	5.5	8	4
M10	× 1.5	T7099429	JIS II	75	32	7	5.5	8	4
M10	× 1.25	T7099439	JIS II	75	32	7	5.5	8	4
M10	× 1	T7099449	JIS II	70	30	7	5.5	8	4
M10	× 0.75	T7099459	JIS II	65	26	7	5.5	8	4
M11	× 1.5	T7099469	JIS II	80	38	8	6	9	4
M11	× 1	T7099479	JIS II	70	30	8	6	9	4
M11	× 0.75	T7099489	JIS II	65	26	8	6	9	4
M12	× 1.75	T7099509	JIS II	82	38	8.5	6.5	9	4
M12	× 1.5	T7099519	JIS II	82	38	8.5	6.5	9	4
M12	× 1.25	T7099529	JIS II	80	38	8.5	6.5	9	4
M12	× 1	T7099539	JIS II	70	30	8.5	6.5	9	4
M14	× 2	T7099549	JIS II	88	42	10.5	8	11	4
M14	× 1.5	T7099559	JIS II	88	42	10.5	8	11	4
M14	× 1.25	T7099569	JIS II	80	38	10.5	8	11	4
M14	× 1	T7099579	JIS II	70	30	10.5	8	11	4
M15	× 1.5	T7099589	JIS II	90	42	10.5	8	11	4
M15	× 1	T7099599	JIS II	70	30	10.5	8	11	4

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRC25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
○	○	○	○	○			○	○	○	
铜 Copper Cu	黄铜 Brass Bs	铸铜 Brass Casting PB	铝轧 Aluminum Rolled AL	铸铝 Aluminum Alloy Casting AC,ADC	铸镁 Magnesium Casting MC	铸锌 Zinc Alloy Casting ZDC	钛合金 Ti Alloy	镍合金 Ni Alloy	热固性塑料 Thermosetting plastic	热塑性塑料 thermoplastic
	○	○	○	○	○	○			○	

# YG HAND TAPS

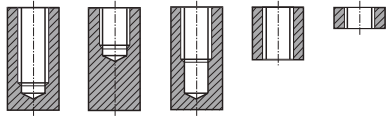
## T7099 SERIES

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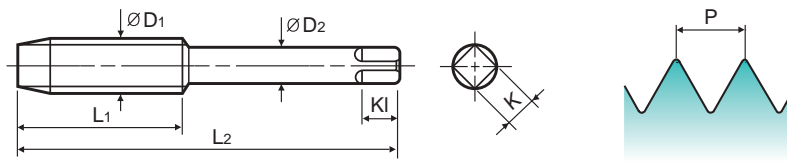
Hole type



Material groups  
**GS**

HSS HT JIS II 1.5P/5.0P/9.0P Bright

▶ Tap Limits : JIS Class 2  
▶ up to M6 : Male Center  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 Pitch	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块尺寸 Square Size K	方块长度 Square Length KI	槽数 No. of Flute
ØD1	P								
M16	× 2	T7099609	JIS II	95	45	12.5	10	13	4
M16	× 1.5	T7099619	JIS II	95	45	12.5	10	13	4
M16	× 1	T7099629	JIS II	75	30	12.5	10	13	4
M18	× 2.5	T7099659	JIS II	100	48	14	11	14	4
M18	× 2	T7099669	JIS II	95	45	14	11	14	4
M18	× 1.5	T7099679	JIS II	95	45	14	11	14	4
M18	× 1	T7099689	JIS II	80	30	14	11	14	4
M20	× 2.5	T7099709	JIS II	105	50	15	12	15	4
M20	× 2	T7099719	JIS II	95	45	15	12	15	4
M20	× 1.5	T7099729	JIS II	95	45	15	12	15	4
M20	× 1	T7099739	JIS II	80	30	15	12	15	4
M22	× 2.5	T7099749	JIS II	115	55	17	13	16	4
M22	× 2	T7099759	JIS II	95	45	17	13	16	4
M22	× 1.5	T7099769	JIS II	95	45	17	13	16	4
M22	× 1	T7099779	JIS II	85	30	17	13	16	4
M24	× 3	T7099789	JIS II	120	58	19	15	18	4
M24	× 2	T7099799	JIS II	95	45	19	15	18	4
M24	× 1.5	T7099809	JIS II	95	45	19	15	18	4
M24	× 1	T7099819	JIS II	90	30	19	15	18	4
M25	× 2	T7099829	JIS II	95	45	19	15	18	4
M25	× 1.5	T7099839	JIS II	95	45	19	15	18	4
M26	× 2	T7099N49	JIS II	95	45	20	15	18	4

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRC25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
○	○	○	○	○			○	○	○	
铜 Copper Cu	黄铜 Brass Bs	铸铜 Brass Casting PB	铝轧 Aluminum Rolled AL	铸铝 Aluminum Alloy Casting AC,ADC	铸镁 Magnesium Casting MC	铸锌 Zinc Alloy Casting ZDC	钛合金 Ti Alloy	镍合金 Ni Alloy	热固性塑料 Thermosetting plastic	热塑性塑料 thermoplastic
	○	○	○	○	○	○			○	

COMBO TAPS

SPIRAL POINT TAPS

SPIRAL FLUTE TAPS

STRAIGHT FLUTE TAPS

LONG SHANK TAPS

FLUTELRSS TAPS

SCREW THREAD INSERT TAPS

HAND TAPS

PIPE TAPS

CARBIDE TAPS

SKS21 HAND TAPS

SKS21 PIPE TAPS

THREAD MILLS

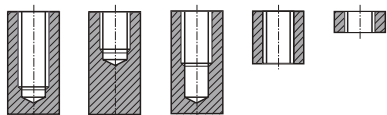
TECHNICAL DATA

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**HAND TAPS(SET of 3 PIECES)**

▶ 标准丝锥可用在广泛的范围中.

▶ Standard taps for a variety of application.

Hole type



Material groups

**GS**

HSS

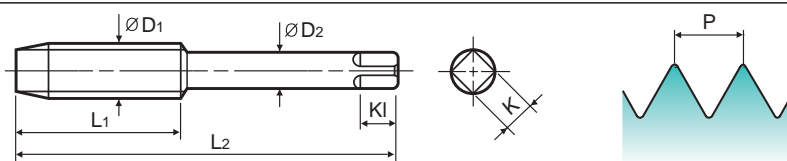
HT

JIS II

1.5P/5.0P/9.0P

Bright

- ▶ Tap Limits : JIS Class 2
- ▶ up to M6 : Male Center
- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 Pitch	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块 尺寸 Square Size K	方块 长度 Square Length KI	槽数 No. of Flute
M26	× 1.5	<b>T7099859</b>	JIS II	95	45	20	15	18	4
M26	× 1	<b>T7099N59</b>	JIS II	95	30	20	15	18	4
M27	× 3	<b>T7099869</b>	JIS II	130	62	20	15	18	4
M27	× 2	<b>T7099879</b>	JIS II	95	45	20	15	18	4
M27	× 1.5	<b>T7099889</b>	JIS II	95	45	20	15	18	4
M28	× 2	<b>T7099909</b>	JIS II	105	45	21	17	20	4
M28	× 1.5	<b>T7099919</b>	JIS II	105	45	21	17	20	4
M30	× 3.5	<b>T7099949</b>	JIS II	135	65	23	17	20	4
M30	× 3	<b>T7099959</b>	JIS II	135	65	23	17	20	4
M30	× 2	<b>T7099969</b>	JIS II	105	45	23	17	20	4
M30	× 1.5	<b>T7099979</b>	JIS II	105	45	23	17	20	4
M30	× 1	<b>T7099989</b>	JIS II	105	30	23	17	20	4
M33	× 3.5	<b>T7099A49</b>	JIS II	145	70	25	19	22	4
M33	× 3	<b>T7099A59</b>	JIS II	145	70	25	19	22	4
M33	× 2	<b>T7099A69</b>	JIS II	110	45	25	19	22	4
M33	× 1.5	<b>T7099A79</b>	JIS II	110	45	25	19	22	4
M36	× 4	<b>T7099B39</b>	JIS II	155	75	28	21	24	4
M36	× 3	<b>T7099B49</b>	JIS II	155	75	28	21	24	4
M36	× 2	<b>T7099B59</b>	JIS II	110	45	28	21	24	4
M36	× 1.5	<b>T7099B69</b>	JIS II	110	45	28	21	24	4

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRC25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
○	○	○	○	○			○	○	○	
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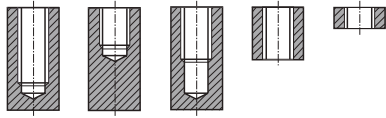
**T7199** SERIES

# UNC/F 手用丝锥(一套3支) HAND TAPS(SET of 3 PIECES)

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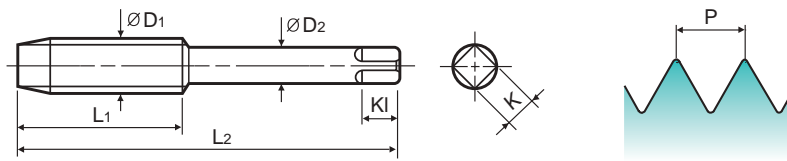
Hole type



Material groups  
**GS**

HSS HT JIS II 1.5P/5.0P/9.0P Bright

▶ Tap Limits : JIS Class 2  
▶ up to 5/16 : Male Center  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 TPI	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块尺寸 Square Size K	方块长度 Square Length KI	槽数 No. of Flute
ØD1									
#4 - 40 UNC		T7199169	JIS II	44	16	3	2.5	5	3
#4 - 48 UNF		T7199189	JIS II	44	16	3	2.5	5	3
#5 - 40 UNC		T7199209	JIS II	46	18	4	3.2	6	3
#5 - 44 UNF		T7199229	JIS II	46	18	4	3.2	6	3
#6 - 32 UNC		T7199249	JIS II	48	18	4	3.2	6	3
#6 - 40 UNF		T7199269	JIS II	48	18	4	3.2	6	3
#8 - 32 UNC		T7199289	JIS II	52	20	5	4	7	4
#8 - 36 UNF		T7199309	JIS II	52	20	5	4	7	4
#10 - 24 UNC		T7199329	JIS II	60	22	5.5	4.5	7	4
#10 - 32 UNF		T7199349	JIS II	60	22	5.5	4.5	7	4
#12 - 24 UNC		T7199369	JIS II	60	22	5.5	4.5	7	4
#12 - 28 UNF		T7199389	JIS II	60	22	5.5	4.5	7	4
1/4 - 20 UNC		T7199409	JIS II	62	24	6	4.5	7	4
1/4 - 28 UNF		T7199429	JIS II	62	24	6	4.5	7	4
5/16 - 18 UNC		T7199449	JIS II	70	30	6.1	5	8	4
5/16 - 24 UNF		T7199469	JIS II	70	30	6.1	5	8	4

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○	○	○	○	○			○	○	○	
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	○	○	○	○	○	○			○	

COMBO TAPS

SPIRAL POINT TAPS

SPIRAL FLUTE TAPS

STRAIGHT FLUTE TAPS

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THREAD MILLS

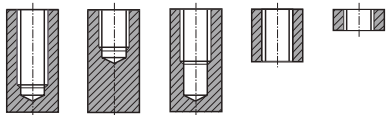
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Material groups

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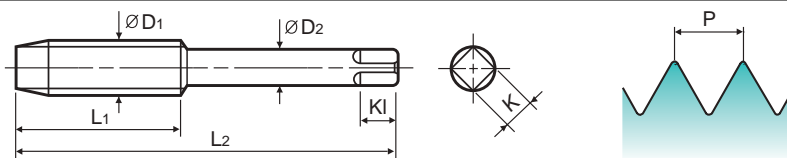
HT

JIS II

1.5P/5.0P/9.0P

Bright

- ▶ Tap Limits : JIS Class 2
- ▶ up to 5/16 : Male Center
- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 TPI	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块尺寸 Square Size K	方块长度 Square Length KI	槽数 No. of Flute
3/8 - 16 UNC		<b>T7199489</b>	JIS II	75	35	7	5.5	8	4
3/8 - 24 UNF		<b>T7199509</b>	JIS II	75	32	7	5.5	8	4
7/16 - 14 UNC		<b>T7199529</b>	JIS II	80	38	8	6	9	4
7/16 - 20 UNF		<b>T7199549</b>	JIS II	80	38	8	6	9	4
1/2 - 13 UNC		<b>T7199569</b>	JIS II	85	42	9	7	10	4
1/2 - 20 UNF		<b>T7199589</b>	JIS II	85	42	9	7	10	4
9/16 - 12 UNC		<b>T7199609</b>	JIS II	90	42	10.5	8	11	4
9/16 - 18 UNF		<b>T7199629</b>	JIS II	90	42	10.5	8	11	4
5/8 - 11 UNC		<b>T7199649</b>	JIS II	95	45	12	9	12	4
5/8 - 18 UNF		<b>T7199669</b>	JIS II	95	45	12	9	12	4
3/4 - 10 UNC		<b>T7199709</b>	JIS II	105	50	14	11	14	4
3/4 - 16 UNF		<b>T7199729</b>	JIS II	95	45	14	11	14	4
7/8 - 9 UNC		<b>T7199749</b>	JIS II	115	55	17	13	16	4
7/8 - 14 UNF		<b>T7199769</b>	JIS II	95	45	17	13	16	4
1" - 8 UNC		<b>T7199789</b>	JIS II	125	60	20	15	18	4
1" - 12 UNF		<b>T7199809</b>	JIS II	95	45	20	15	18	4

COMBO TAPS

SPIRAL POINT TAPS

SPIRAL FLUTE TAPS

STRAIGHT FLUTE TAPS

LONG SHANK TAPS

FLUTELRSS TAPS

SCREW THREAD INSERT TAPS

HAND TAPS

PIPE TAPS

CARBIDE TAPS

SKS21 HAND TAPS

SKS21 PIPE TAPS

THREAD MILLS

TECHNICAL DATA

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRC25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
○	○	○	○	○			○	○	○	
铜 Copper Cu	黄铜 Brass Bs	铸铜 Brass Casting PB	铝轧 Aluminum Rolled AL	铸铝 Aluminum Alloy Casting AC,ADC	铸镁 Magnesium Casting MC	铸锌 Zinc Alloy Casting ZDC	钛合金 Ti Alloy	镍合金 Ni Alloy	热固性塑料 Thermosetting plastic	热塑性塑料 thermoplastic
	○	○	○	○	○	○			○	



# YG HAND TAPS

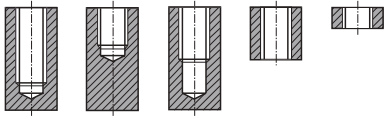
## T7299 SERIES

### W 手用丝锥 (一套3支) HAND TAPS (SET of 3 PIECES)

▶ 标准丝锥可用在广泛的范围中。

▶ Standard taps that can be used in for a variety of application.

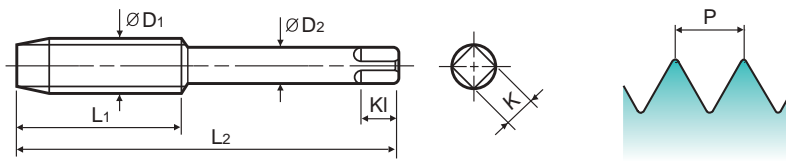
Hole type



Material groups  
**GS**

HSS HT JIS II 1.5P/5.0P/9.0P Bright

▶ Tap Limits : JIS Class 2  
▶ up to 5/16 : Male Center  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸 SIZE	牙距 TPI	型号 EDP No.	精度 Limit	全长 Overall Length L2	螺纹长 Thread Length L1	柄径 Shank Diameter ØD2	方块尺寸 Square Size K	方块长度 Square Length KI	槽数 No. of Flute
W1/8	- 40	T7299209	JIS II	46	18	4	3.2	6	3
W3/16	- 24	T7299329	JIS II	60	22	5.5	4.5	7	4
W1/4	- 20	T7299409	JIS II	62	24	6	4.5	7	4
W5/16	- 18	T7299449	JIS II	70	30	6.1	5	8	4
W3/8	- 16	T7299489	JIS II	75	35	7	5.5	8	4
W7/16	- 14	T7299529	JIS II	80	38	8	6	9	4
W1/2	- 12	T7299569	JIS II	85	42	9	7	10	4
W9/16	- 12	T7299609	JIS II	90	42	10.5	8	11	4
W5/8	- 11	T7299649	JIS II	95	45	12	9	12	4
W3/4	- 10	T7299709	JIS II	105	50	14	11	14	4
W7/8	- 9	T7299749	JIS II	115	55	17	13	16	4
W1"	- 8	T7299789	JIS II	125	60	20	15	18	4

COMBO TAPS

SPIRAL POINT TAPS

SPIRAL FLUTE TAPS

STRAIGHT FLUTE TAPS

LONG SHANK TAPS

FLUTELRSS TAPS

SCREW THREAD INSERT TAPS

HAND TAPS

PIPE TAPS

CARBIDE TAPS

SKS21 HAND TAPS

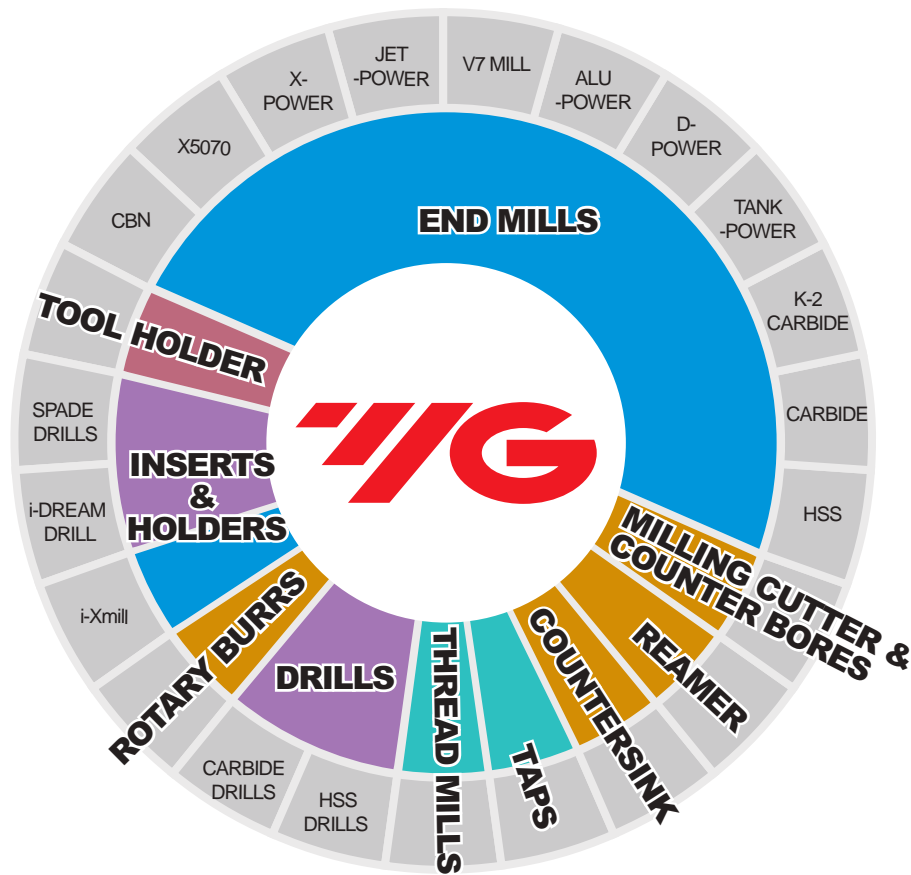
SKS21 PIPE TAPS

THREAD MILLS

TECHNICAL DATA

◎ : 优(Excellent) ○ : 良(Good)

低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Medium Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRc25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
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	○	○	○	○	○	○			○	



Challenge toward a Global Leader-

**YG-1 Leads the World Market.**