

# CARBIDE



Being the best through innovation



# CARBIDE TAPS

- 加工铸铁和高硅铝, 产量大, 生产效率高

TAPPING CAST IRON AND HIGH SILICON ALUMINIUM,  
MASS PRODUCTION, HIGH PRODUCTIVITY



# SELECTION GUIDE

## 整体硬质合金丝锥 / SOLID CARBIDE TAPS

加工铸铁和高硅铝, 产量大, 生产效率高

Tapping Cast Iron and High Silicon Aluminium, Mass Production, High Productivity

### CARBIDE TAPS

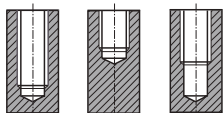
项目	型号	刀具材质	标准	工件材质	尺寸	丝锥公差	倒角	表面处理	页
EDP No.	MODEL	Tool Material	Standard	Work Material	Dimensions	Tolerance	Chamfer	Surface Treatment	PAGE
<b>T0202</b> <b>T0102</b>		CARBIDE	M	<b>AI</b>	SPCaI	YH	1.5 / 2.5P	Bright	<b>491</b>
<b>T0164</b> <b>T0154</b>		CARBIDE	W	<b>AI</b>	SPCaI	YH	1.5 / 2.5P	Bright	<b>492</b>
<b>T0451</b> <b>T0441</b>		CARBIDE	M	<b>GG</b>	STCci	YH	1.5P / 3.0P	Bright	<b>493</b>
<b>T0462</b> <b>T0452</b>		CARBIDE	W	<b>GG</b>	STCci	YH	1.5P / 3.0P	Bright	<b>494</b>

# M 有色金属用硬质合金螺旋槽丝锥 SOLID CARBIDE SPIRAL FLUTED TAPS for NON-FERROUS METALS

▶ 适用于铝, 镁, 锌, 铜及有色金属的盲孔加工.

▶ Suitable for tapping Blind holes in Aluminum, Magnesium, Zinc, Copper as well as Non-Ferrous metal alloys.

Hole type



Material groups

**AI**

CARBIDE

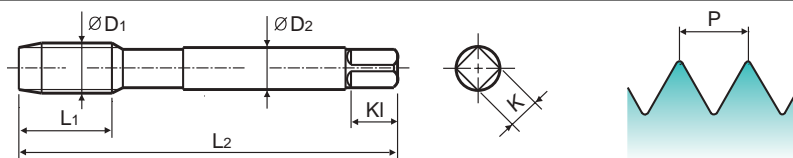
SPCaI

YH

1.5P/2.5P

Bright

- ▶ Tap Limits : P.530
- ▶ up to M6 : Male Center
- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号		精度	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	Pitch	EDP No.		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P	1.5P	2.5P		L2	L1	ØD2	K	KI	
M3	× 0.5	<b>T0202203</b>	<b>T0102203</b>	YH3	46	11	4	3.2	6	3
M4	× 0.7	<b>T0202243</b>	<b>T0102243</b>	YH3	52	13	5	4	7	3
M5	× 0.8	<b>T0202283</b>	<b>T0102283</b>	YH3	60	16	5.5	4.5	7	3
M6	× 1	<b>T0202313</b>	<b>T0102313</b>	YH3	62	19	6	4.5	7	3
M8	× 1.25	<b>T0202364</b>	<b>T0102364</b>	YH4	70	22	6.2	5	8	3
M10	× 1.5	<b>T0202424</b>	<b>T0102424</b>	YH4	75	24	7	5.5	8	3
M12	× 1.75	<b>T0202504</b>	<b>T0102504</b>	YH4	82	29	8.5	6.5	9	3

◎ : 优(Excellent)   ○ : 良(Good)

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

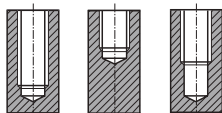


# W 有色金属用硬质合金螺旋槽丝锥 SOLID CARBIDE SPIRAL FLUTED TAPS for NON-FERROUS METALS

▶ 适用于铝, 镁, 锌, 铜及有色金属的盲孔加工.

▶ Suitable for tapping Blind holes in Aluminum, Magnesium, Zinc, Copper as well as Non-Ferrous metal alloys.

Hole type



Material groups

AI

CARBIDE

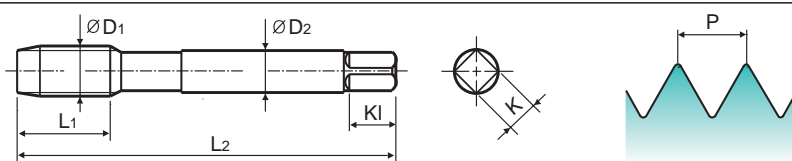
SPCaI

YH

1.5P/2.5P

Bright

- ▶ Tap Limits : P.530
- ▶ up to 1/4 : Male Center
- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号		精度	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		1.5P	2.5P		L2	L1	ØD2	K	K1	
W1/8	- 40	T0164203	T0154203	YH3	46	11	4	3.2	6	3
W3/16	- 24	T0164323	T0154323	YH3	60	16	5.5	4.5	7	3
W1/4	- 20	T0164404	T0154404	YH4	62	19	6	4.5	7	3
W5/16	- 18	T0164444	T0154444	YH4	70	22	6.1	5	8	3
W3/8	- 16	T0164484	T0154484	YH4	75	24	7	5.5	8	3
W7/16	- 14	T0164524	T0154524	YH4	80	25	8	6	9	3
W1/2	- 12	T0164564	T0154564	YH4	85	29	9	7	10	3

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)

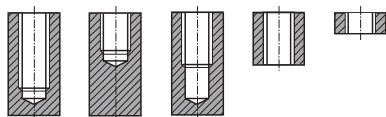
低碳钢 Low Carbon Steel ~ C0.25	中碳钢 Meduim Carbon Steel C0.25 ~ C0.45	高碳钢 High Carbon Steel C0.45 ~	合金钢 Alloy Steel SCM	硬化钢 Hardened Steel HRc25 ~ 45	不锈钢 Stainless Steel SUS	工具钢 Tool Steel SKD	铸钢 Cast Steel SC	铸铁 Cast Iron FC	高强度铸铁 High Tension Cast Iron FCD	
								○	◎	
铜 Copper Cu	黄铜 Brass Bs	铸铜 Brass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

# M 铸铁用硬质合金直槽丝锥 SOLID CARBIDE STRAIGHT FLUTED TAPS for CAST IRONS

▶ 适用于灰铸铁, 球状石墨铸铁, 可锻铸铁, 黄铜铸件及具有相同性质的材料的盲孔和通孔的加工。

▶ Suitable for tapping Blind & Through holes in Grey Cast Iron, Nodular Cast Iron, Malleable Cast Iron, Brass Casting and other similar materials.

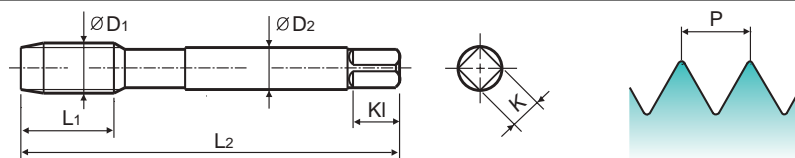
Hole type



Material groups  
**GG**

**CARBIDE** **STCci** **YH** **1.5P/3.0P** **Bright**

▶ Tap Limits : P.530  
▶ up to M6 : Male Center  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号		精度	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	Pitch	EDP No.		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P	1.5P	3.0P		L2	L1	ØD2	K	KI	
M3	× 0.5	<b>T0451203</b>	<b>T0441203</b>	YH3	46	11	4	3.2	6	3
M4	× 0.7	<b>T0451243</b>	<b>T0441243</b>	YH3	52	13	5	4	7	3
M5	× 0.8	<b>T0451283</b>	<b>T0441283</b>	YH3	60	16	5.5	4.5	7	3
M6	× 1	<b>T0451313</b>	<b>T0441313</b>	YH3	62	19	6	4.5	7	3
M8	× 1.25	<b>T0451364</b>	<b>T0441364</b>	YH4	70	22	6.2	5	8	4
M10	× 1.5	<b>T0451424</b>	<b>T0441424</b>	YH4	75	24	7	5.5	8	4
M12	× 1.75	<b>T0451505</b>	<b>T0441505</b>	YH5	85	29	8.5	6.5	9	4

◎ : 优(Excellent)    ○ : 良(Good)

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

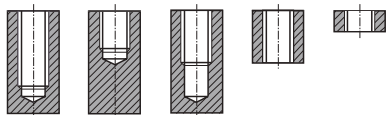
- COMBO TAPS
- SPIRAL POINT TAPS
- SPIRAL FLUTE TAPS
- STRAIGHT FLUTE TAPS
- LONG SHANK TAPS
- FLUTELRSS TAPS
- SCREW THREAD INSERT TAPS
- HAND TAPS
- PIPE TAPS
- CARBIDE TAPS
- SKS21 HAND TAPS
- SKS21 PIPE TAPS
- THREAD MILLS
- TECHNICAL DATA

**W 铸铁用硬质合金直槽丝锥**  
**SOLID CARBIDE STRAIGHT FLUTED TAPS for CAST IRONS**

▶ 适用于灰铸铁, 球状石墨铸铁, 可锻铸铁, 黄铜铸件及具有相同性质的材料的盲孔和通孔的加工。

▶ Suitable for tapping Blind & Through holes in Grey Cast Iron, Nodular Cast Iron, Malleable Cast Iron, Brass Casting and other similar materials.

Hole type



Material groups

**GG**

CARBIDE

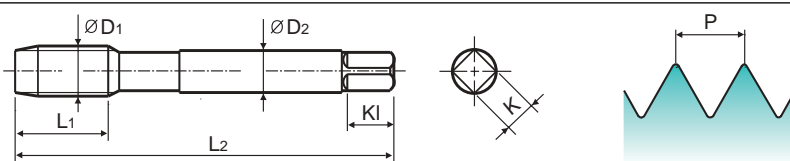
STCci

YH

1.5P/3.0P

Bright

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- ▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号		精度	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		1.5P	3.0P		L2	L1	ØD2	K	K1	
W1/8	- 40	T0462203	T0452203	YH3	46	11	4	3.2	6	3
W3/16	- 24	T0462323	T0452323	YH3	60	16	5.5	4.5	7	3
W1/4	- 20	T0462404	T0452404	YH4	62	19	6	4.5	7	3
W5/16	- 18	T0462444	T0452444	YH4	70	22	6.1	5	8	3
W3/8	- 16	T0462484	T0452484	YH4	75	24	7	5.5	8	4
W7/16	- 14	T0462524	T0452524	YH4	80	25	8	6	9	4
W1/2	- 12	T0462565	T0452565	YH5	85	29	9	7	10	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	中碳钢	高碳钢	合金钢	硬化钢	不锈钢	工具钢	铸钢	铸铁	高强度铸铁	
Low Carbon Steel	Medium Carbon Steel	High Carbon Steel	Alloy Steel	Hardened Steel	Stainless Steel	Tool Steel	Cast Steel	Cast Iron	High Tension Cast Iron	
~ C0.25	C0.25 ~ C0.45	C0.45 ~	SCM	HRC25 ~ 45	SUS	SKD	SC	FC	FCD	
								◎	○	
铜	黄铜	铸铜	铝轧	铸铝	铸镁	铸锌	钛合金	镍合金	热固性塑料	热塑性塑料
Copper	Brass	Brass Casting	Aluminum Rolled	Aluminum Alloy Casting	Magnesium Casting	Zinc Alloy Casting	Ti Alloy	Ni Alloy	Thermosetting plastic	thermoplastic
Cu	Bs	PB	AL	AC,ADC	MC	ZDC			◎	
	○	◎		◎	○	○				