



Being the best through innovation



# SKS21 PIPE TAPS






- 实现高强度加工, 易装配  
TO ACHIEVE HIGH STRENGTH.  
EASY ASSEMBLING.

# SELECTION GUIDE

SKS21管用丝锥 / SKS21 PIPE TAP

实现高强度加工, 易装配 / to Achieve High Strength. Easy Assembling.

## SKS21 PIPE TAPS

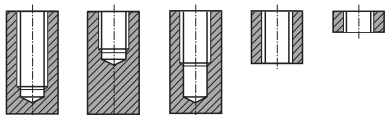
项目 EDP No.	型号 MODEL	刀具材质 Tool Material	标准 Standard	工件材质 Work Material	尺寸 Dimensions	丝锥公差 Tolerance	倒角 Chamfer	表面处理 Surface Treatment	页 PAGE
<b>TSK34</b>		SKS21	PT	<b>GS</b>	PT	JIS	3.0P	Bright	<b>507</b>
<b>TSK35</b>		SKS21	PS	<b>GS</b>	PS	JIS	3.0P	Bright	<b>508</b>
<b>TSK36</b>		SKS21	PF	<b>GS</b>	PF	JIS	3.0P	Bright	<b>509</b>
<b>TSK37</b>		SKS21	NPT	<b>GS</b>	NPT	ANSI	3.0P	Bright	<b>510</b>
<b>TSK38</b>		SKS21	NPS	<b>GS</b>	NPS	ANSI	3.0P	Bright	<b>511</b>

**PT** PT 螺纹用锥管丝锥  
TAPER PIPE TAPS for PT THREADS

▶ 适用于锥管内部的螺纹加工

▶ Suitable for taper pipe internal threads.  
PT : Taper pipe threads (for pressure-tight joints)

Hole type



Material groups **GS**

SKS21

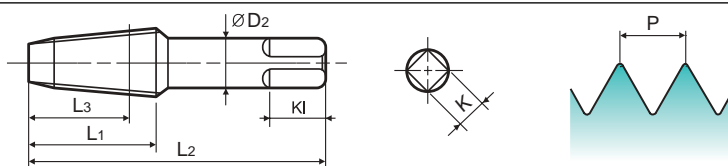
PT

JIS



Bright

▶ Tap Limits : JIS  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号	精度	最大基准直径	全长	螺纹长	基准长度	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Projection Length	Shank Diameter	Square Size	Square Length	No. of Flute
					L2	L1	L3	ØD2	K	KI	
PT 1/16	- 28	TSK34022	JIS	7.723	55	19	13	6.5	5	8	4
PT 1/8	- 28	TSK34202	JIS	9.728	55	19	13	8	6	9	4
PT 1/4	- 19	TSK34402	JIS	13.157	62	28	21	11	9	12	4
PT 3/8	- 19	TSK34482	JIS	16.662	65	28	21	14	11	14	4
PT 1/2	- 14	TSK34562	JIS	20.955	80	35	25	18	14	17	4
PT 3/4	- 14	TSK34702	JIS	26.441	85	35	25	23	17	20	4
PT 1	- 11	TSK34782	JIS	33.249	95	45	32	26	21	24	5
PT 1*1/4	- 11	TSK34862	JIS	41.910	105	45	32	32	26	30	5
PT 1*1/2	- 11	TSK34962	JIS	47.803	110	45	32	38	29	32	6
PT 2	- 11	TSK34D22	JIS	59.614	120	50	35	46	35	38	6

◎ : 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
	○		○						○	

- HSS
- CARBIDE
- 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



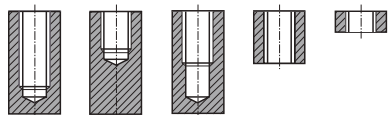
# PS 螺纹用直管丝锥

## STRAIGHT PIPE TAPS for PS THREADS

▶ 适用于直管内部的螺纹加工

▶ Suitable for process Straight pipe internal threads.  
PS : Straight pipe threads (for pressure-tight joints)

Hole type



Material groups

**GS**

SKS21

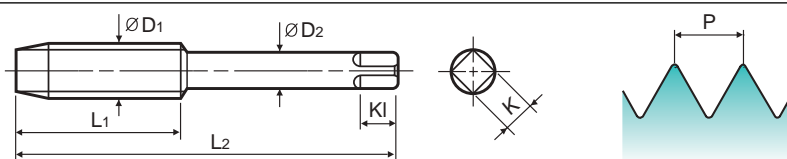
PS

JIS

3.0P

Bright

▶ Tap Limits : JIS  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号	精度	最大基准直径	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
					L2	L1	ØD2	K	KI	
PS 1/8 - 28		<b>TSK35202</b>	JIS	9.728	55	19	8	6	9	4
PS 1/4 - 19		<b>TSK35402</b>	JIS	13.157	62	28	11	9	12	4
PS 3/8 - 19		<b>TSK35482</b>	JIS	16.662	65	28	14	11	14	4
PS 1/2 - 14		<b>TSK35562</b>	JIS	20.955	80	35	18	14	17	4
PS 3/4 - 14		<b>TSK35702</b>	JIS	26.441	85	35	23	17	20	4
PS 1 - 11		<b>TSK35782</b>	JIS	33.249	95	45	26	21	24	5
PS 1*1/4 - 11		<b>TSK35862</b>	JIS	41.910	105	45	32	26	30	5
PS 1*1/2 - 11		<b>TSK35962</b>	JIS	47.803	110	45	38	29	32	6
PS 2 - 11		<b>TSK35D22</b>	JIS	59.614	120	50	46	35	38	6

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				○

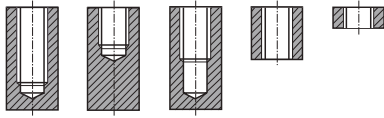


# PF 螺纹用直管丝锥 STRAIGHT PIPE TAPS for PF THREADS

▶ 适用于直管内部的螺纹加工

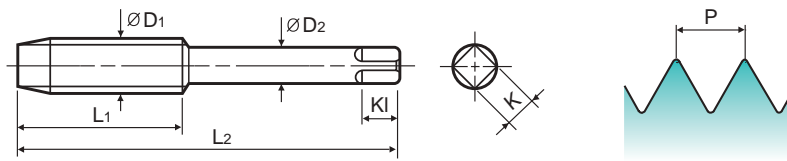
▶ Suitable for process Straight pipe internal threads.  
PF : Straight pipe threads (for mechanical joints)

Hole type



SKS21 PF JIS 3.0P Bright

▶ Tap Limits : JIS  
▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号	精度	最大基准直径	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
					L2	L1	ØD2	K	KI	
PF 1/8 - 28		TSK36202	JIS	9.728	55	19	8	6	9	4
PF 1/4 - 19		TSK36402	JIS	13.157	62	28	11	9	12	4
PF 3/8 - 19		TSK36482	JIS	16.662	65	28	14	11	14	4
PF 1/2 - 14		TSK36562	JIS	20.955	80	35	18	14	17	4
PF 3/4 - 14		TSK36702	JIS	26.441	85	35	23	17	20	4
PF 1 - 11		TSK36782	JIS	33.249	95	45	26	21	24	5
PF 1*1/4 - 11		TSK36862	JIS	41.910	105	45	32	26	30	5
PF 1*1/2 - 11		TSK36962	JIS	47.803	110	45	38	29	32	6
PF 2 - 11		TSK36D22	JIS	59.614	120	50	46	35	38	6

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				○
	○	○	○							○

HSS

CARBIDE


**SKS21  
PIPE TAPS**
**TSK37** SERIES

# NPT 美制NPT螺纹用锥管丝锥

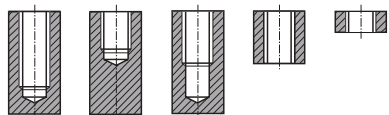
## AMERICAN TAPER PIPE TAPS for NPT THREADS

▶ 适用于锥管内部的螺纹加工。

▶ Suitable for process Taper pipe internal threads.

NPT : American Taper pipe threads (for mechanical joints)

Hole type



Material groups

GS

SKS21

NPT

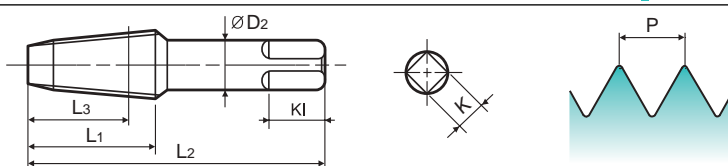
ANSI

3.0P

Bright

▶ Tap Limits : ANSI

▶ Tapping Speeds : P.532



单位(Unit) : mm

尺寸	牙距	型号	精度	最大基准直径	全长	螺纹长	基准长度	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Projection Length	Shank Diameter	Square Size	Square Length	No. of Flute
					L2	L1	L3	ØD2	K	KI	
NPT 1/8	-27	<b>TSK37200</b>	ANSI	10.117	55	19	12.05	8	6	9	4
NPT 1/4	-18	<b>TSK37400</b>	ANSI	13.426	62	28	17.45	11	9	12	4
NPT 3/8	-18	<b>TSK37480</b>	ANSI	16.866	65	28	17.65	14	11	14	4
NPT 1/2	-14	<b>TSK37560</b>	ANSI	20.980	80	35	22.85	18	14	17	4
NPT 3/4	-14	<b>TSK37700</b>	ANSI	26.325	85	35	22.95	23	17	20	4
NPT 1 - 1 1/2		<b>TSK37780</b>	ANSI	32.934	95	45	27.40	26	21	24	5

◎ : 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
	○		○						○	

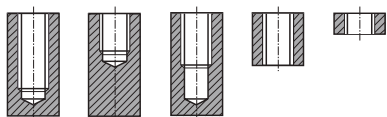
# NPS NPS螺纹用直管丝锥

## STRAIGHT PIPE TAPS for NPS THREADS

▶ 适用于直管内部的螺纹加工

▶ Suitable for process Straight pipe internal threads.  
PS : Straight pipe threads (for pressure-tight joints)

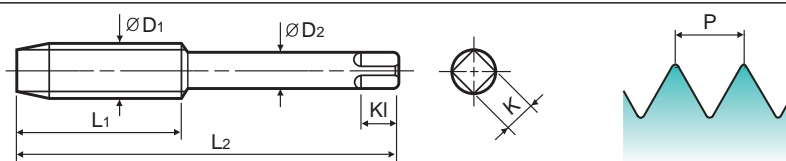
Hole type



Material groups **GS**

**SKS21** **NPS** **ANSI** **3.0P** **Bright**

▶ Tap Limits : ANSI  
▶ Tapping Speeds : P.532

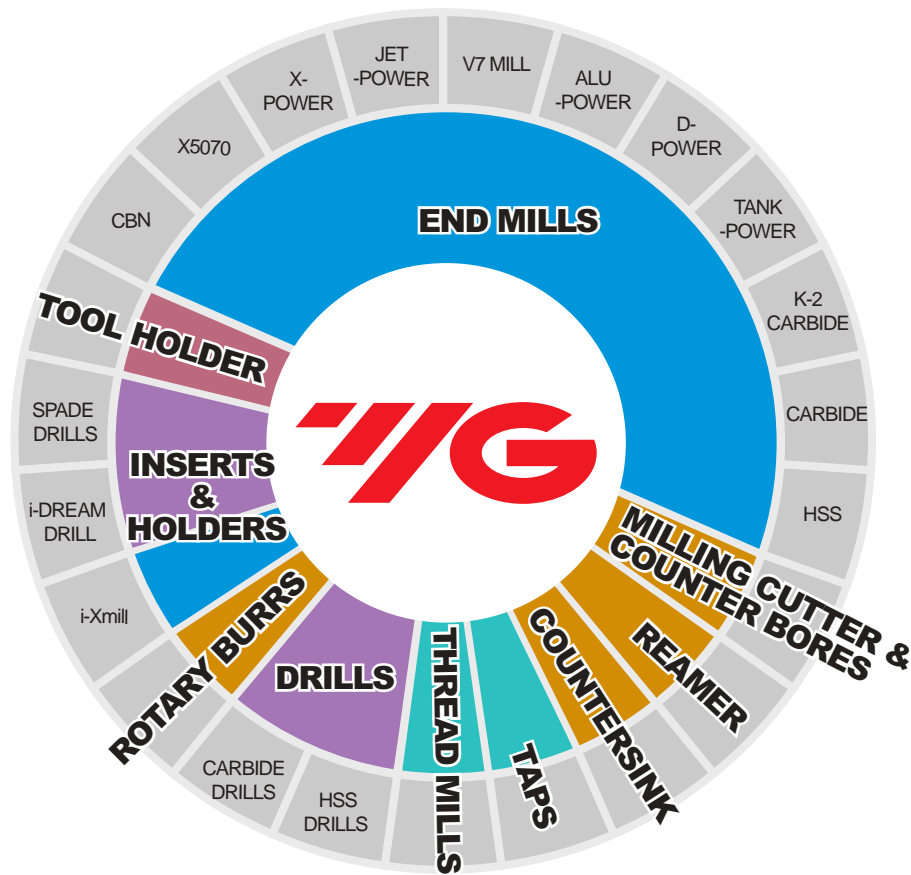


单位(Unit) : mm

尺寸	牙距	型号	精度	最大基准直径	全长	螺纹长	柄径	方块尺寸	方块长度	槽数
SIZE	TPI	EDP No.	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
					L2	L1	ØD2	K	KI	
NPS 1/8 - 27		<b>TSK38202</b>	ANSI	10.117	55	19	8	6	9	4
NPS 1/4 - 18		<b>TSK38402</b>	ANSI	13.426	62	28	11	9	12	4
NPS 3/8 - 18		<b>TSK38482</b>	ANSI	16.866	65	28	14	11	14	4
NPS 1/2 - 14		<b>TSK38562</b>	ANSI	20.980	80	35	18	14	17	4
NPS 3/4 - 14		<b>TSK38702</b>	ANSI	26.325	85	35	23	17	20	4
NPS 1 - 11 1/2		<b>TSK38782</b>	ANSI	30.934	95	45	26	21	24	5
NPS 1*1/4 - 11 1/2		<b>TSK38862</b>	ANSI	41.689	105	45	32	26	30	5
NPS 1*1/2 - 11 1/2		<b>TSK38962</b>	ANSI	47.760	110	45	38	29	32	6
NPS 2 - 11 1/2		<b>TSK38D22</b>	ANSI	59.800	120	50	46	35	38	6

◎ : 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
	○	○	○							○



Challenge toward a Global Leader-  
**YG-1 Leads the World Market.**