



HIGH
EFFICIENT PROCESSING
TOOLS
FOR INNER
THREAD

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HIGH PERFORMANCE MACHINE TAPS

2025 Edition

COMPANY PROFILE



Taizhou Shaoshi tools Co., Ltd, was founded in 2001, located in the eastern new area of Wenling City, Zhejiang Provincial Economic Development Zone and covers an area of more than 20.000 square meters. We are High-tech enterprise in China, and passed the ISO9001 quality management system certification.

Enterprise spirit

Self Improvement Continously, Striving For Perfection

QUALITY

The Starting Point Of Value And Success



Our company keeps the pace of the manufacturing industry development, recruit talent to be a professional team, make update and improvement for the technology and production level. We have more than 150 sets of the Domestic and international advanced level CNC production and testing equipment, owns 24 patents. Our products range GB, DIN, JIS, BSW, UNC, etc all kinds of standard straight flute, spiral flute, spiral point, forming taps, as well as some non standard taps

We pay great importance on brand strategy, high-performance materials is the basic, upgraded cutting structure and excellent surface treatment. Under The spirit of responsible craftsmen, we carries out a strict quality control of the raw materials and the whole process for the production line. So that we can provide users a better applications experience, ensure the excellent quality products, meet the needs for the industries like, Aerospace、Automotive Parts、Mechanical Equipment、Molds、3C Industry, etc. Because of the high efficient processing of the precision threads, our products covers various provinces in China, exported to Southeast Aisa, Europe, America, gain a high reputation both in domestic and abroad.



PRODUCTION EQUIPMENT

The company has established comprehensive production management system and quality inspection system, focus on every detail to achieve perfect guarantee of product quality. From procurement, from production to warehousing, the national ISO9001 quality system is strictly implemented throughout the whole process, carry out quality control management into practice.

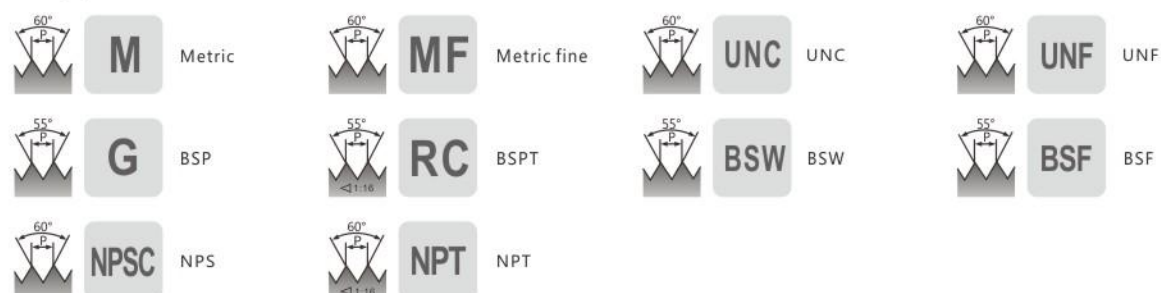


High Performance Machine Taps



Lcons legend

Thread type



Thread tolerance



Spiral angle



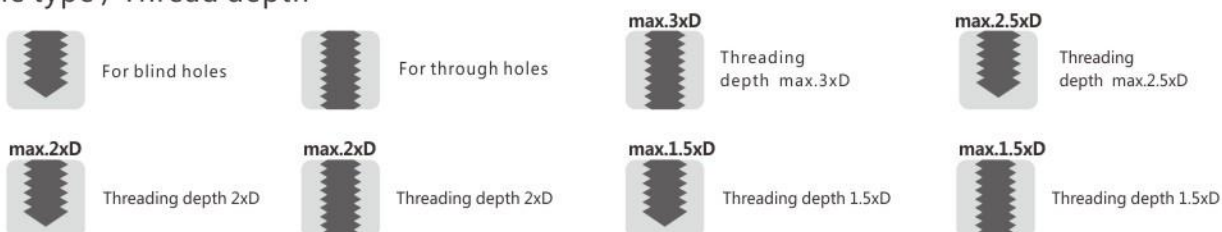
Cutting direction



Chamfer forms



Hole type / Thread depth



Internal coolant



Lcons legend

Stock status



Tool material

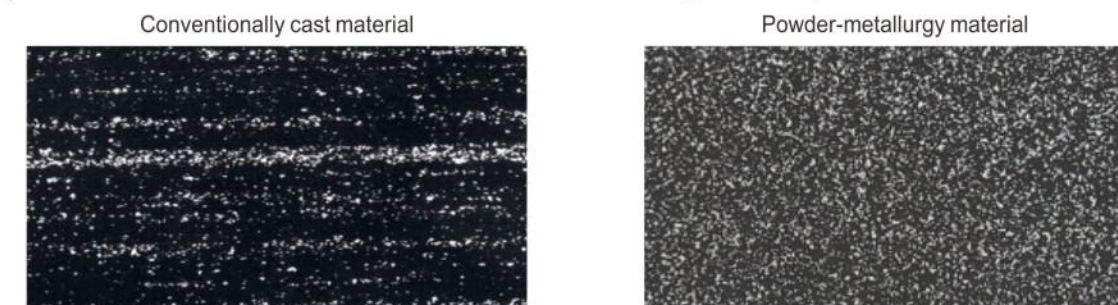


Standardisation categories for HSS

DIN ISO 11054 - Cutting tools

Manufacturing processes	Steel category	Chemical composition Class
Conventional high speed steels	HSS	High speed steel with less than 4.5%Co and less than 2.6%V
	HSS-E	High speed steel with min.4.5% Co or min. 2.6%V
Powder Metallurgical high speed steels	HSS-PM	High speed steel with less than 4.5% Co and less than 2.6% V
	HSS-E-PM	High speed steel with min.4.5% Co or min 2.6%V

Comparison of carbide distribution and car-bide size (M= 100x)



Powder Metallurgy steel has small, evenly distributed carbides

Surface treatment



TiN	TiN-coating yields a hardness of approx. 2400HV and also a heat resistant up to approx. 600°C. The current coating is an excellent all-round coating for normal applications. Colour : Golden Yellow. Coefficient of friction against steel : 0.4
TiCN	TiCN takes place of TiN when the conditions require the coating to have a different hardness and toughness. The TiCN-coating has a hardness of approx. 3,000 HV, but is heat resistance only holds up to approx. 400°C, meaning that the TiCN needs an excellent cooling system for a long service life. Colour : Blue-Grey . Coefficient of friction against steel : 0.2
TiAlN	TiAlN has a hardness of approx.3,300 HV and is heat resistant up to approx. 800°C. Machining at high temperatures with insufficient cooling, or at high speed cutting. Colour : Greyish Black. Coefficient of friction against steel : 0.5

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SELECTION GUIDE					Hole type / Thread depth		max.2xD					
					Tool material		HSSE PM	HSSE PM	HSSE PM	HSSE PM	HSSE Co	HSSE Co
					Thread Tolerance		6HX	6HX	6H	OH	6H	6H
					Spiral angle		R15°	R10°	R15°	R15°	R15°	R15°
					Chamfer forms		Form C	Form C	Form C	Form C	Form C	Form C
					Cutting direction		RH	RH	RH	RH	RH	RH
					Thread type	M	Page 20	Page 21	Page 19	Page 27	Page 39	
						MF						Page 40
						UNC, UNF						
						BSW, BSF						
PIPE(G,Rc,NPS,NPT)												
Surface treatment		TICN TIAIN	TICN TIAIN	TICN TIAIN	TICN TIAIN	TIN TICN TIAIN	TIN TICN TIAIN					
Taps standard		DIN371/376	DIN371/376	DIN371/376	JIS	DIN371/376	DIN374					
												
● Recommended ○ Suitable												
ISO 513	Material	Group	Application	N/mm²								
P	Steel	P.1	Free cutting steel	200 - 400								
		P.2	Construction steel, case hardening steel	350 - 700								
		P.3	Carbon steel , low Alloyed steel	350 - 850								
		P.4	Alloyed steel, heat treated steel	500 - 850								
		P.5	Alloyed steel, heat treated steel	850 - 1100			●	●	●	●		
		P.6	Alloyed steel, high strength steel	1100 - 1400	●		○	○				
M	Stainless steel	M.1	Ferritic-martensitic	< 850								
		M.2	Austenitic	< 850								
		M.3	Ferritic-Austenitic (Duplex)	< 1100								
K	Cast iron	K.1	Grey cast iron	< 450			●	●	●	●		
		K.2	Nodular cast iron	< 850			●	●	●	●		
		K.3	Malleable cast iron	< 850			●	●				
N	Aluminium alloys	N.1	Aluminium wrouhgnt alloys	< 500								
		N.2	Aluminium cast alloys 7%<Si≤12%	< 500								
		N.3	Aluminium cast alloys 12%<Si≤17%	< 600								
S	Titanium alloys Nickel alloys	S.1	Titanium alloys	< 900	●							
		S.2	Nickel alloys	< 1100		●						
H	Hardened materials	H.1	Alloyed steel, hardness HRC 44-55	-								
		H.2	Alloyed steel, hardness HRC 56-62	-								

max.2xD						max.3xD			
HSSE Co	HSSE Co	HSSE Co	HSSE Co	HSSE Co	HSSE	HSSE PM	HSSE PM	HSSE PM	HSSE PM
6H	2B	OH	2B	6H	H2	6H	6H	6HX	6HX
R15°	R15°	R15°	R15°	R35°	R35°		L15°	L15°	L10°
Form C	Form C	Form C	Form C	Form C	Form C	Form B	Form B	Form B	Form B
RH	RH	RH	RH	RH	RH	RH	RH	RH	RH
Page 44		Page 57			Page 65	Page 17	Page 19	Page 20	Page 21
		Page 57			Page 65	Page 17			
	Page 48		Page 61						
				Page 50					
TIN TICN TIAIN	TIN TICN TIAIN	TIN TICN TIAIN	TIN TICN TIAIN	TIN TICN TIAIN	TIN	TIN TICN TIAIN	TICN TIAIN	TICN TIAIN	TICN TIAIN
DIN371/376	DIN371/376/374	JIS	JIS	DIN5156	ISO529	DIN371/376/374	DIN371/376	DIN371/376	DIN371/376
									
●				●	●	●	●		
●				●	●	●	●		
●				●	●	●	●		
●				●	●	●	●		
●	●	●	●			●	●		
						○	○	●	
						●	●		
						●	●		
●	●	●	●				●		
●	●	●	●				●		
							●		
				○	○	●	●		
						○	●		
						○		●	
									●

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SELECTION GUIDE

Hole type / Thread depth

max.2xD

Tool material

HSSE PM

HSSE

HSSE

HSSE

Thread Tolerance

6HX

H2

6H

6H

Spiral angle

Chamfer forms

Form A D C

Form A D C

Form A D C

Form A C

Cutting direction

RH

RH

RH

RH

Thread type

M

Page 24

Page 70

Page 71

MF

Page 71

UNC, UNF

BSW, BSF

PIPE(G,Rc,NPS,NPT)

Surface treatment

TIN

TICN

TiAIN

Taps standard

DIN352

ISO529

DIN352

DIN2181

Nr1Z

Nr1

● Recommended

○ Suitable

ISO 513

Material

Group

Application

N/mm²

P

Steel

P.1

Free cutting steel

200 - 400

●

●

P.2

Construction steel, case hardening steel

350 - 700

●

●

P.3

Carbon steel, low Alloyed steel

350 - 850

●

●

P.4

Alloyed steel, heat treated steel

500 - 850

●

●

P.5

Alloyed steel, heat treated steel

850 - 1100

●

○

○

P.6

Alloyed steel, high strength steel

1100 - 1400

●

M

Stainless steel

M.1

Ferritic-martensitic

< 850

M.2

Austenitic

< 850

M.3

Ferritic-Austenitic (Duplex)

< 1100

K

Cast iron

K.1

Grey cast iron

< 450

●

●

●

●

K.2

Nodular cast iron

< 850

●

●

●

●

K.3

Malleable cast iron

< 850

●

○

○

N

Aluminium alloys

N.1

Aluminium wrought alloys

< 500

N.2

Aluminium cast alloys 7%Si≤12%

< 500

N.3

Aluminium cast alloys 12%Si≤17%

< 600

S

Titanium alloys

S.1

Titanium alloys

< 900

○

Nickel alloys

S.2

Nickel alloys

< 1100

H

Hardened materials

H.1

Alloyed steel, hardness HRC 44-55

-

H.2

Alloyed steel, hardness HRC 56-62

-

HIGH
EFFICIENT PROCESSING
TOOLS
FOR INNER
THREAD

High Performance HSSE-PM Coating Machine Tap Series



High performance matrix materials, optimized cutting structure, and suitable surface treatment provide you with an efficient, durable, and reliable tapping experience

- Custom Thread Tolerance Zones(4H、6G、7G、6H+0.1 etc.)
- Custom taps with internal coolant
- Custom taps with colored ring

DIN 371 Spiral Point Machine Taps with reinforced shank



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC612001	M2	0.4	6H	45	8	13	5P	2.8	2.1	3	1.6	■
SC612002	M2.5	0.45	6H	50	9	15		2.8	2.1		2.1	
SC612003	M3	0.5	6H	56	11	18		3.5	2.7		2.5	
SC612004	M4	0.7	6H	63	13	21		4.5	3.4		3.3	
SC612005	M5	0.8	6H	70	16	25		6	4.9		4.2	
SC612006	M6	1	6H	80	19	30		6	4.9		5	
SC612007	M8	1.25	6H	90	22	35		8	6.2		6.8	
SC612008	MF8*1	1	6H	90	22	35		8	6.2		7	
SC612009	M10	1.5	6H	100	24	39		10	8		8.5	
SC612010	MF10*1	1	6H	90	20	35		10	8		9	
SC612011	MF10*1.25	1.25	6H	100	24	39		10	8		8.8	

DIN 376/374 Spiral Point Machine Taps with reduced shank



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC612101	M12	1.75	6H	110	29	5P	9	7	3	10.3	■
SC612102	MF12*1	1	6H	100	22		9	7		11	
SC612103	MF12*1.25	1.25	6H	100	22		9	7		10.8	
SC612104	MF12*1.5	1.5	6H	100	22		9	7		10.5	
SC612105	M14	2	6H	110	30		11	9		12	
SC612106	MF14*1.5	1.5	6H	100	22		11	9		12.5	
SC612107	M16	2	6H	110	32		12	9		14	
SC612108	MF16*1.5	1.5	6H	100	22		12	9		14.5	
SC612109	M18	2.5	6H	125	37		14	11		15.5	
SC612110	MF18*1.5	1.5	6H	110	25		14	11		16.5	
SC612111	M20	2.5	6H	140	37	4	16	12	4	17.5	■
SC612112	MF20*1.5	1.5	6H	125	25		16	12		18.5	
SC612113	M22	2.5	6H	140	38		18	14.5		19.5	
SC612114	MF22*1.5	1.5	6H	125	25		18	14.5		20.5	
SC612115	M24	3	6H	160	45		18	14.5		21	
SC612116	MF24*1.5	1.5	6H	140	28		18	14.5		22.5	

DIN 371 R45° Spiral Flute Machine Taps with reinforced shank



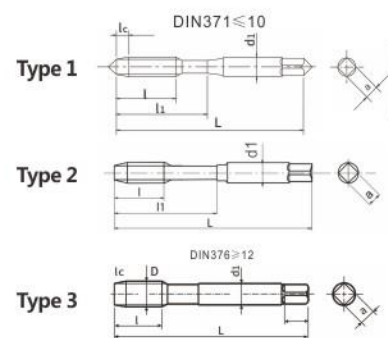
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC512001	M2	0.4	6H	45	6	13	2.5P	2.8	2.1	3	1.6	■
SC512002	M2.5	0.45	6H	50	6	15		2.8	2.1		2.1	
SC512003	M3	0.5	6H	56	6	18		3.5	2.7		2.5	
SC512004	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SC512005	M5	0.8	6H	70	10	25		6	4.9		4.2	
SC512006	M6	1	6H	80	12	30		6	4.9		5	
SC512007	M8	1.25	6H	90	15	35		8	6.2		6.8	
SC512008	MF8*1	1	6H	90	15	35		8	6.2		7	
SC512009	M10	1.5	6H	100	18	39		10	8		8.5	
SC512010	MF10*1	1	6H	90	15	35		10	8		9	
SC512011	MF10*1.25	1.25	6H	100	18	39		10	8		8.8	

DIN 376/374 R45° Spiral Flute Machine Taps with reduced shank



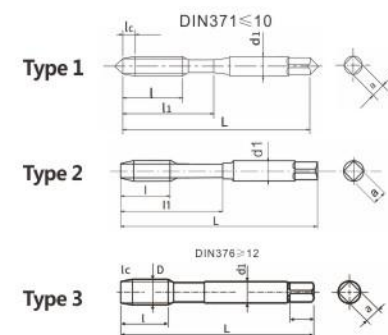
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC512101	M12	1.75	6H	110	21	2.5P	9	7	3	10.3	■
SC512102	MF12*1	1	6H	100	15		9	7		11	
SC512103	MF12*1.25	1.25	6H	100	21		9	7		10.8	
SC512104	MF12*1.5	1.5	6H	100	21		9	7		10.5	
SC512105	M14	2	6H	110	20		11	9		12	
SC512106	MF14*1.5	1.5	6H	100	20		11	9		12.5	
SC512107	M16	2	6H	110	20		12	9		14	
SC512108	MF16*1.5	1.5	6H	100	20		12	9		14.5	
SC512109	M18	2.5	6H	125	25		14	11		15.5	
SC512110	MF18*1.5	1.5	6H	110	25		14	11		16.5	
SC512111	M20	2.5	6H	140	25	4	16	12	4	17.5	■
SC512112	MF20*1.5	1.5	6H	125	25		16	12		18.5	
SC512113	M22	2.5	6H	140	25		18	14.5		19.5	
SC512114	MF22*1.5	1.5	6H	125	25		18	14.5		20.5	
SC512115	M24	3	6H	160	30		18	14.5		21	
SC512116	MF24*1.5	1.5	6H	140	24		18	14.5		22.5	

DIN371/376 Left Spiral Flute Right Cutting Machine Taps



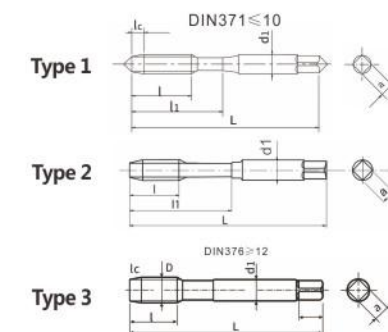
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512901	M3	0.5	6H	56	11	18	5P	3.5	2.7	3	2.5	■
SC512902	M4	0.7	6H	63	13	21		4.5	3.4		3.3	
SC512903	M5	0.8	6H	70	16	25		6	4.9		4.2	
SC512904	M6	1	6H	80	19	30		6	4.9		5	
SC512905	M8	1.25	6H	90	22	35		8	6.2		6.8	
SC512906	M10	1.5	6H	100	24	39		10	8		8.5	
SC512907	M12	1.75	6H	110	29			9	7		10.3	
SC512908	M14	2	6H	110	30			11	9		12	
SC512909	M16	2	6H	110	32	/		12	9		14	
SC512910	M18	2.5	6H	125	37			14	11		15.5	
SC512911	M20	2.5	6H	140	37			16	12		17.5	

DIN371/376 R15° Spiral Flute Machine Taps



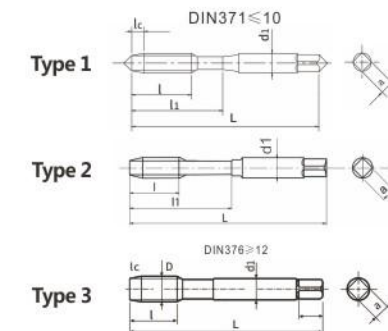
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512501	M3	0.5	6H	56	6	18	2.5P	3.5	2.7	3	2.5	■
SC512502	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SC512503	M5	0.8	6H	70	10	25		6	4.9		4.2	
SC512504	M6	1	6H	80	12	30		6	4.9		5	
SC512505	M8	1.25	6H	90	15	35		8	6.2		6.8	
SC512506	M10	1.5	6H	100	18	39		10	8		8.5	
SC512507	M12	1.75	6H	110	21			9	7		10.3	
SC512508	M14	2	6H	110	20			11	9		12	
SC512509	M16	2	6H	110	20	/		12	9		14	
SC512510	M18	2.5	6H	125	25			14	11		15.5	
SC512511	M20	2.5	6H	140	25			16	12		17.5	

DIN371/376 Left Spiral Flute Right Cutting Machine Taps(For Titanium alloys)



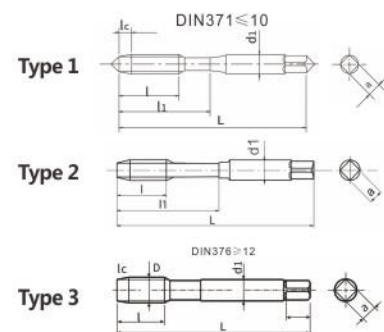
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512901-Ti	DIN371 M3	0.5	6HX	56	11	18	5P	3.5	2.7	3	2.5	■
SC512902-Ti	DIN371 M4	0.7		63	13	21		4.5	3.4		3.3	
SC512903-Ti	DIN371 M5	0.8		70	16	25		6	4.9		4.2	
SC512904-Ti	DIN371 M6	1		80	19	30		6	4.9		5	
SC512905-Ti	DIN371 M8	1.25		90	22	35		8	6.2		6.8	
SC512906-Ti	DIN371 M10	1.5		100	24	39		10	8		8.5	
SC512907-Ti	DIN376 M12	1.75		110	29			9	7		10.3	
SC512908-Ti	DIN376 M14	2		110	30			11	9		12	
SC512909-Ti	DIN376 M16	2		110	32			12	9		14	
SC512910-Ti	DIN376 M18	2.5		125	37			14	11		15.5	
SC512911-Ti	DIN376 M20	2.5		140	37			16	12		17.5	

DIN371/376 R15° Spiral Flute Machine Taps(For Titanium alloys)



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512501-Ti	DIN371 M3	0.5	6HX	56	6	18	2.5P	3.5	2.7	3	2.5	■
SC512502-Ti	DIN371 M4	0.7		63	9	21		4.5	3.4		3.3	
SC512503-Ti	DIN371 M5	0.8		70	10	25		6	4.9		4.2	
SC512504-Ti	DIN371 M6	1		80	12	30		6	4.9		5	
SC512505-Ti	DIN371 M8	1.25		90	15	35		8	6.2		6.8	
SC512506-Ti	DIN371 M10	1.5		100	18	39		10	8		8.5	
SC512507-Ti	DIN376 M12	1.75		110	21			9	7		10.3	
SC512508-Ti	DIN376 M14	2		110	20			11	9		12	
SC512509-Ti	DIN376 M16	2		110	20			12	9		14	
SC512510-Ti	DIN376 M18	2.5		125	25			14	11		15.5	
SC512511-Ti	DIN376 M20	2.5		140	25			16	12		17.5	

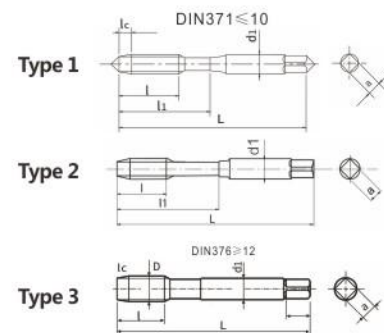
DIN371/376 Left Spiral Flute Right Cutting Machine Taps(For Nickel alloys)

材料
material
HSSE
PM表面处理
surface treatment
TiCN TiAlN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512901-Ni	DIN371 M3	0.5		56	11	18		3.5	2.7		2.5	
SC512902-Ni	DIN371 M4	0.7		63	13	21		4.5	3.4		3.3	
SC512903-Ni	DIN371 M5	0.8		70	16	25		6	4.9		4.2	
SC512904-Ni	DIN371 M6	1		80	19	30		6	4.9		5	
SC512905-Ni	DIN371 M8	1.25		90	22	35		8	6.2	3	6.8	
SC512906-Ni	DIN371 M10	1.5		100	24	39		10	8		8.5	
SC512907-Ni	DIN376 M12	1.75		110	29			9	7		10.3	
SC512908-Ni	DIN376 M14	2		110	30			11	9		12	
SC512909-Ni	DIN376 M16	2		110	32			12	9		14	
SC512910-Ni	DIN376 M18	2.5		125	37			14	11	4	15.5	
SC512911-Ni	DIN376 M20	2.5		140	37			16	12		17.5	

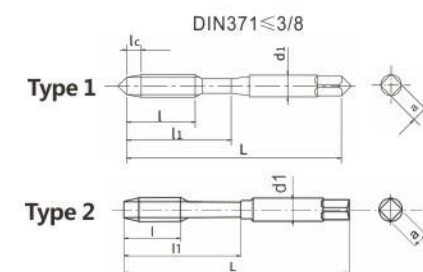
DIN371/376 R10° Spiral Flute Machine Taps(For Nickel alloys)

材料
material
HSSE
PM表面处理
surface treatment
TiCN TiAlN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC512501-Ni	DIN371 M3	0.5		56	6	18		3.5	2.7		2.5	
SC512502-Ni	DIN371 M4	0.7		63	9	21		4.5	3.4		3.3	
SC512503-Ni	DIN371 M5	0.8		70	10	25		6	4.9		4.2	
SC512504-Ni	DIN371 M6	1		80	12	30		6	4.9		5	
SC512505-Ni	DIN371 M8	1.25		90	15	35		8	6.2	3	6.8	
SC512506-Ni	DIN371 M10	1.5		100	18	39		10	8		8.5	
SC512507-Ni	DIN376 M12	1.75		110	21			9	7		10.3	
SC512508-Ni	DIN376 M14	2		110	20			11	9		12	
SC512509-Ni	DIN376 M16	2		110	20			12	9		14	
SC512510-Ni	DIN376 M18	2.5		125	25			14	11	4	15.5	
SC512511-Ni	DIN376 M20	2.5		140	25			16	12		17.5	

≈DIN 371 Spiral Point Machine Taps with reinforced shank(UNC/UNF)



UNC UNF

max.3xD

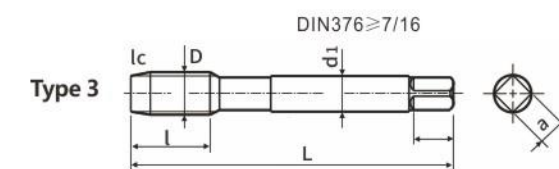
B/5P

材料
material
HSSE
PM表面处理
surface treatment
TiN TiCN TiAlN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC622001	No4-40UNC	0.635	2B	56	11	18		3.5	2.7		2.30	
SC622002	No5-40UNC	0.635	2B	56	11	18		3.5	2.7		2.60	
SC622003	No6-32UNC	0.794	2B	56	12	20		4	3		2.80	
SC622004	No6-40UNF	0.635	2B	56	12	20		4	3		2.90	
SC622005	No8-32UNC	0.794	2B	63	13	21		4.5	3.4		3.40	
SC622006	No8-36UNF	0.706	2B	63	13	21		4.5	3.4		3.50	
SC622007	No10-24UNC	1.058	2B	70	16	24		6	4.9		3.90	
SC622008	No10-32UNF	0.794	2B	70	16	24		6	4.9		4.10	
SC622009	No12-24UNC	1.058	2B	80	17	25		6	4.9		4.50	
SC622010	No12-28UNF	0.907	2B	80	17	25		6	4.9		4.60	
SC622011	1/4-20UNC	1.27	2B	80	19	29		7	5.5		5.10	
SC622012	1/4-28UNF	0.907	2B	80	19	29		7	5.5		5.50	
SC622013	5/16-18UNC	1.411	2B	90	22	37		8	6.2		6.60	
SC622014	5/16-24UNF	1.058	2B	90	22	37		8	6.2		6.90	
SC622015	3/8-16UNC	1.588	2B	100	24	41		10	8		8.00	
SC622016	3/8-24UNF	1.058	2B	100	24	41		10	8		8.50	

≈DIN376/374 Spiral Point Machine Taps with reduced shank(UNC/UNF)



UNC UNF

max.3xD

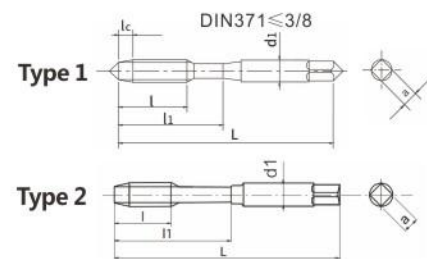
B/5P

材料
material
HSSE
PM表面处理
surface treatment
TiN TiCN TiAlN

单位 Unit: mm

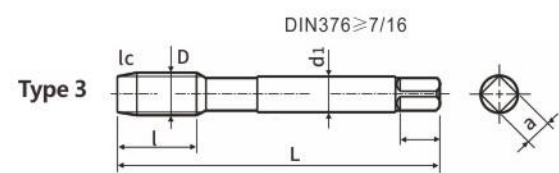
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC622101	7/16-14UNC	1.814	2B	100	25	48		8	6.2		9.40	
SC622102	7/16-20UNF	1.27	2B	100	25	48		8	6.2		9.90	
SC622103	1/2-13UNC	1.954	2B	110	29	48		9	7		10.80	
SC622104	1/2-20UNF	1.27	2B	110	29	48		9	7		11.50	
SC622105	9/16-12UNC	2.117	2B	110	30	48		11	9		12.20	
SC622106	9/16-18UNF	1.411	2B	110	30	48		11	9		12.90	
SC622107	5/8-11UNC	2.309	2B	110	32	52		12	9		13.60	
SC622108	5/8-18UNF	1.411	2B	110	32	52		12	9		14.50	
SC622109	3/4-10UNC	2.54	2B	125	37	58		14	11		16.5	
SC622110	3/4-16UNF	1.588	2B	125	37	58		14	11		17.5	
SC622111	7/8-9UNC	2.822	2B	140	38	63		18	14.5		19.5	
SC622112	7/8-14UNF	1.814	2B	140	38	63		18	14.5		20.5	
SC622113	1"-8UNC	3.175	2B	160	45	66		20	16		22.3	
SC622114	1"-12UNF	2.117	2B	160	45	66		20	16		23.3	

≈DIN 371 R45° Spiral Flute Machine Taps with reinforced shank(UNC/UNF)



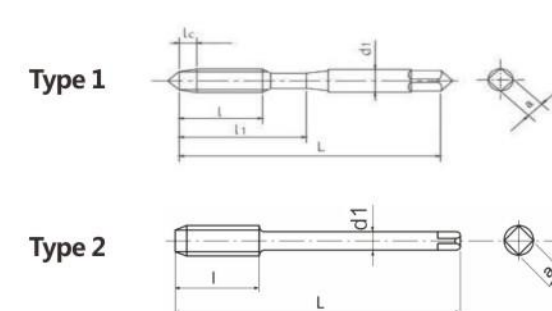
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC522001	No4-40UNC	0.635	2B	56	6	18	2.5P	3.5	2.7	3	2.30	□
SC522002	No5-40UNC	0.635	2B	56	6	18		3.5	2.7		2.60	
SC522003	No6-32UNC	0.794	2B	56	7	20		4	3		2.80	
SC522004	No6-40UNF	0.635	2B	56	7	20		4	3		2.90	
SC522005	No8-32UNC	0.794	2B	63	7	21		4.5	3.4		3.40	
SC522006	No8-36UNF	0.706	2B	63	7	21		4.5	3.4		3.50	
SC522007	No10-24UNC	1.058	2B	70	10	24		6	4.9		3.90	
SC522008	No10-32UNF	0.794	2B	70	10	24		6	4.9		4.10	
SC522009	No12-24UNC	1.058	2B	80	10	24		6	4.9		4.50	
SC522010	No12-28UNF	0.907	2B	80	10	24		6	4.9		4.60	
SC522011	1/4-20UNC	1.27	2B	80	12	29		7	5.5		5.10	
SC522012	1/4-28UNF	0.907	2B	80	12	29		7	5.5		5.50	
SC522013	5/16-18UNC	1.411	2B	90	14	37		8	6.2		6.60	
SC522014	5/16-24UNF	1.058	2B	90	14	37		8	6.2		6.90	
SC522015	3/8-16UNC	1.588	2B	100	16	41		10	8		8.00	
SC522016	3/8-24UNF	1.058	2B	100	16	41		10	8		8.50	

≈DIN 376/374 R45° Spiral Flute Machine Taps with reduced shank(UNC/UNF)



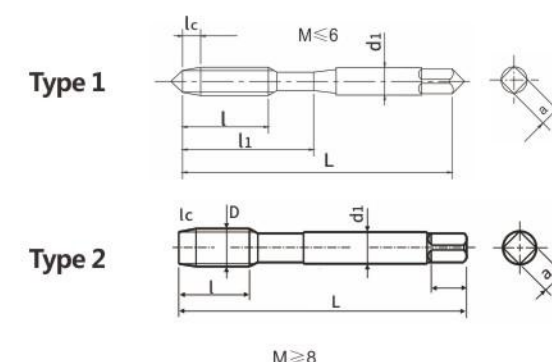
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC522101	7/16-14UNC	1.814	2B	100	18	48	2.5P	8	6.2	3	9.40	□
SC522102	7/16-20UNF	1.27	2B	100	18	48		8	6.2		9.90	
SC522103	1/2-13UNC	1.954	2B	110	19	48		9	7		10.80	
SC522104	1/2-20UNF	1.27	2B	110	19	48		9	7		11.50	
SC522105	9/16-12UNC	2.117	2B	110	21	48		11	9		12.20	
SC522106	9/16-18UNF	1.411	2B	110	21	48		11	9		12.90	
SC522107	5/8-11UNC	2.309	2B	110	23	52		12	9		13.60	
SC522108	5/8-18UNF	1.411	2B	110	23	52		12	9		14.50	
SC522109	3/4-10UNC	2.54	2B	125	25	58		14	11		16.5	
SC522110	3/4-16UNF	1.588	2B	125	25	58		14	11		17.5	
SC522111	7/8-9UNC	2.822	2B	140	28	63		18	14.5	4	19.5	
SC522112	7/8-14UNF	1.814	2B	140	28	63		18	14.5		20.5	
SC522113	1"-8UNC	3.175	2B	160	31	66		20	16		22.3	
SC522114	1"-12UNF	2.117	2B	160	31	66		20	16		23.3	

DIN352 Set of 3 Straight Flute Taps (HRC40)



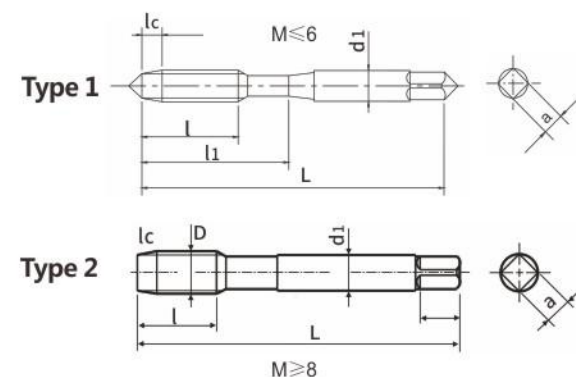
产品编号 Code	规格 Size	螺距 P	总长 L	螺纹长度 l	颈长 l1	切削锥长度lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC812201	M3	0.5	40	11	18	6P 4P 2P	3.5	2.7	3	2.5	■
SC812202	M4	0.7	45	13	21		4.5	3.4		3.3	
SC812203	M5	0.8	50	16	24		6	4.9		4.2	
SC812204	M6	1	56	19	27		6	4.9		5	
SC812205	M8	1.25	63	22	—		6	4.9	4	6.8	
SC812206	M10	1.5	70	24	—		7	5.5		8.5	
SC812207	M12	1.75	75	28	—		9	7		10.2	
SC812208	M14	2	80	30	—		11	9		12	
SC812209	M16	2	80	32	—		12	9		14	

SHAOSHI Super PM Straight Flute Machine Taps (HRC50)



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC813001	M3	0.5	6HX	46	11	19	2.5P	3.5	2.7	4	2.5	■
SC813002	M4	0.7	6HX	52	13	21		4.5	3.4		3.3	
SC813003	M5	0.8	6HX	60	16	24		6	4.9		4.2	
SC813004	M6	1	6HX	62	19	29		6	4.9		5	
SC813005	M8	1.25	6HX	70	22	37		6	4.9	5	6.8	
SC813006	M10	1.5	6HX	75	24	41		7	5.5		8.5	
SC813007	M12	1.75	6HX	82	29	48		9	7		10.3	
SC813008	M14	2	6HX	88	30	48		11	9		12	
SC813009	M16	2	6HX	95	32	52		12	9		14	
SC813010	M18	2.5	6HX	100	37	55		14	11		15.5	
SC813011	M20	2.5	6HX	105	37	58		16	12		17.5	

JIS Spiral Point Machine Taps



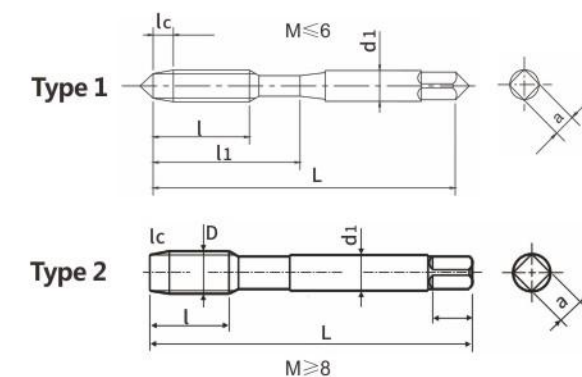
材料
material HSSE
PM

表面处理
surface treatment TiN TiCN TiAIN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC613001	M2	0.4	OH2	40	8	13	5P	3	2.5	3	1.6	■
SC613002	M2.5	0.45	OH2	44	9	15		3	2.5		2.1	
SC613003	M3	0.5	OH2	46	11	19		4	3.2		2.5	
SC613004	M4	0.7	OH3	52	13	21		5	4		3.3	
SC613005	M5	0.8	OH3	60	16	24		5.5	4.5		4.2	
SC613006	M6	1	OH3	62	19	29		6	4.5		5	
SC613007	M8	1.25	OH3	70	22	37		6.2	5		6.8	
SC613008	MF8*1	1	OH2	70	22	37		6.2	5		7	
SC613009	M10	1.5	OH3	75	24	41		7	5.5		8.5	
SC613010	MF10*1	1	OH2	75	24	41		7	5.5		9	
SC613011	MF10*1.25	1.25	OH3	75	24	41		7	5.5		8.8	
SC613012	M12	1.75	OH4	82	29	48		8.5	6.5		10.3	
SC613013	MF12*1	1	OH2	82	29	48		8.5	6.5		11	
SC613014	MF12*1.25	1.25	OH3	82	29	48		8.5	6.5		10.8	
SC613015	MF12*1.5	1.5	OH3	82	29	48		8.5	6.5		10.5	
SC613016	M14	2	OH4	88	30	48		10.5	8		12	
SC613017	MF14*1.5	1.5	OH3	88	30	48		10.5	8		12.5	
SC613018	M16	2	OH4	95	32	52		12.5	10		14	
SC613019	MF16*1.5	1.5	OH3	95	32	52		12.5	10		14.5	
SC613020	M18	2.5	OH5	100	37	55		14	11		15.5	
SC613021	MF18*1.5	1.5	OH4	100	37	55		14	11		16.5	
SC613022	M20	2.5	OH5	105	37	58		15	12	4	17.5	
SC613023	MF20*1.5	1.5	OH4	105	37	58		15	12		18.5	
SC613024	M22	2.5	OH5	115	38	63		17	13		19.5	
SC613025	MF22*1.5	1.5	OH4	115	38	63		17	13		20.5	
SC613026	M24	3	OH5	120	45	66		19	15		21	
SC613027	MF24*1.5	1.5	OH4	120	45	66		19	15		22.5	

JIS R45° Spiral Flute Machine Taps



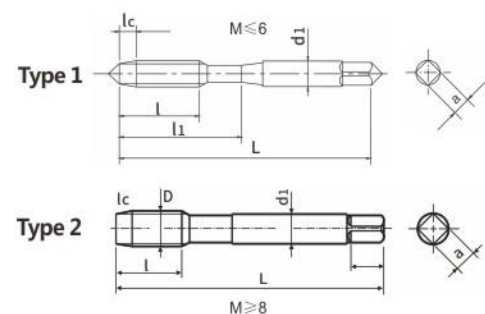
材料
material HSSE
PM

表面处理
surface treatment TiN TiCN TiAIN

单位 Unit: mm

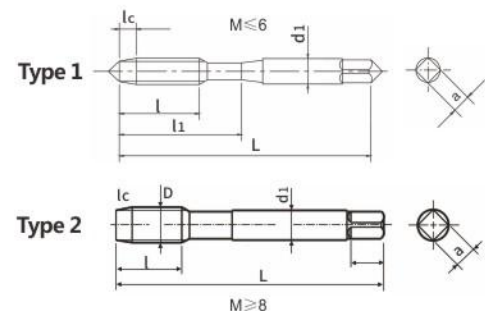
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SC513001	M2	0.4	OH2	40	6	13	2.5P	3	2.5	3	1.6	■
SC513002	M2.5	0.45	OH2	44	6	15		3	2.5		2.1	
SC513003	M3	0.5	OH2	46	6	19		4	3.2		2.5	
SC513004	M4	0.7	OH3	52	9	21		5	4		3.3	
SC513005	M5	0.8	OH3	60	10	24		5.5	4.5		4.2	
SC513006	M6	1	OH3	62	12	29		6	4.5		5	
SC513007	M8	1.25	OH3	70	15	37		6.2	5		6.8	
SC513008	MF8*1	1	OH2	70	15	37		6.2	5		7	
SC513009	M10	1.5	OH3	75	18	41		7	5.5		8.5	
SC513010	MF10*1	1	OH2	75	15	41		7	5.5		9	
SC513011	MF10*1.25	1.25	OH3	75	18	41		7	5.5		8.8	
SC513012	M12	1.75	OH4	82	21	48		8.5	6.5		10.3	
SC513013	MF12*1	1	OH2	82	18	48		8.5	6.5		11	
SC513014	MF12*1.25	1.25	OH3	82	21	48		8.5	6.5		10.8	
SC513015	MF12*1.5	1.5	OH3	82	21	48		8.5	6.5		10.5	
SC513016	M14	2	OH4	88	20	48		10.5	8		12	
SC513017	MF14*1.5	1.5	OH3	88	20	48		10.5	8		12.5	
SC513018	M16	2	OH4	95	20	52		12.5	10		14	
SC513019	MF16*1.5	1.5	OH3	95	20	52		12.5	10		14.5	
SC513020	M18	2.5	OH5	100	25	55		14	11	4	15.5	
SC513021	MF18*1.5	1.5	OH4	100	25	55		14	11		16.5	
SC513022	M20	2.5	OH5	105	25	58		15	12		17.5	
SC513023	MF20*1.5	1.5	OH4	105	25	58		15	12		18.5	
SC513024	M22	2.5	OH5	115	25	63		17	13		19.5	
SC513025	MF22*1.5	1.5	OH4	115	25	63		17	13		20.5	
SC513026	M24	3	OH5	120	30	66		19	15		21	
SC513027	MF24*1.5	1.5	OH4	120	24	66		19	15		22.5	

JIS Left Spiral Flute Right Cutting Taps



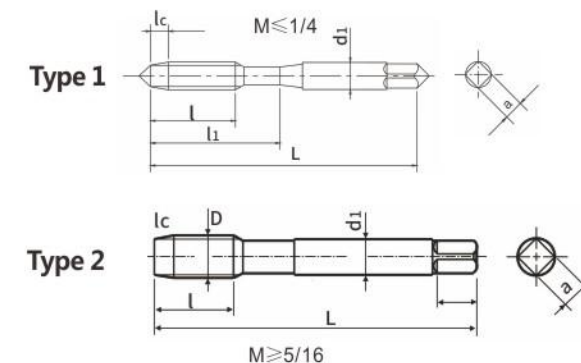
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC513901	M3	0.5	OH2	46	11	19	5P	4	3.2	4	2.5	□
SC513902	M4	0.7	OH2	52	13	21		5	4		3.3	
SC513903	M5	0.8	OH3	60	16	24		5.5	4.5		4.2	
SC513904	M6	1	OH3	62	19	29		6	4.5		5	
SC513905	M8	1.25	OH3	70	22	37		6.2	5	5	6.8	
SC513906	M10	1.5	OH3	75	24	41		7	5.5		8.5	
SC513907	M12	1.75	OH4	82	29	48		8.5	6.5		10.3	
SC513908	M14	2	OH4	88	30	48		10.5	8		12	
SC513909	M16	2	OH4	95	32	52		12.5	10		14	
SC513910	M18	2.5	OH5	100	37	55		14	11		15.5	
SC513911	M20	2.5	OH5	105	37	58		15	12		17.5	

JIS R15° Spiral Flute Machine Taps



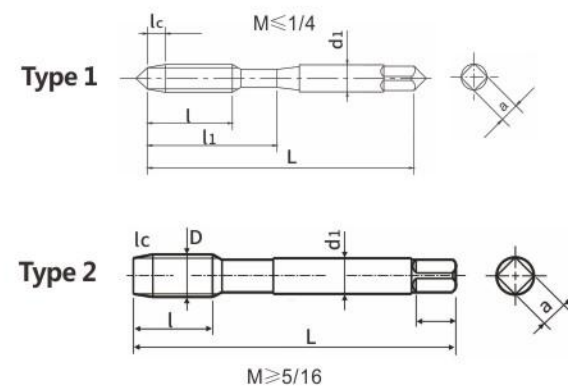
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC513501	M3	0.5	OH2	46	6	19	2.5P	4	3.2	3	2.5	□
SC513502	M4	0.7	OH2	52	9	21		5	4		3.3	
SC513503	M5	0.8	OH3	60	10	24		5.5	4.5		4.2	
SC513504	M6	1	OH3	62	12	29		6	4.5		5	
SC513505	M8	1.25	OH3	70	15	37		6.2	5	4	6.8	
SC513506	M10	1.5	OH3	75	18	41		7	5.5		8.5	
SC513507	M12	1.75	OH4	82	21	48		8.5	6.5		10.3	
SC513508	M14	2	OH4	88	24	48		10.5	8		12	
SC513509	M16	2	OH4	95	24	52		12.5	10		14	
SC513510	M18	2.5	OH5	100	30	55		14	11		15.5	
SC513511	M20	2.5	OH5	105	30	58		15	12		17.5	

JIS Spiral Point Machine Taps (UNC/UNF)



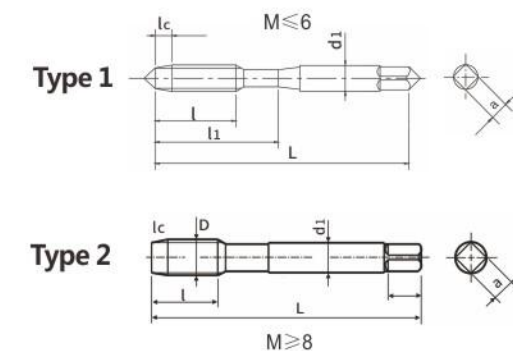
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC623001	No4-40UNC	0.635	2B	44	11	18	5P	3	2.5	3	2.30	□
SC623002	No5-40UNC	0.635	2B	46	11	18		4	3.2		2.60	
SC623003	No6-32UNC	0.794	2B	48	12	20		4	3.2		2.80	
SC623004	No6-40UNF	0.635	2B	48	12	20		4	3.2		2.90	
SC623005	No8-32UNC	0.794	2B	52	13	21		5	4		3.40	
SC623006	No8-36UNF	0.706	2B	52	13	21		5	4		3.50	
SC623007	No10-24UNC	1.058	2B	60	16	24		5.5	4.5		3.90	
SC623008	No10-32UNF	0.794	2B	60	16	24		5.5	4.5		4.10	
SC623009	No12-24UNC	1.058	2B	60	17	25		5.5	4.5		4.50	
SC623010	No12-28UNF	0.907	2B	60	17	25		5.5	4.5		4.60	
SC623011	1/4-20UNC	1.27	2B	62	19	29		6	4.5		5.10	
SC623012	1/4-28UNF	0.907	2B	62	19	29		6	4.5		5.50	
SC623013	5/16-18UNC	1.411	2B	70	22	37		6.1	5		6.60	
SC623014	5/16-24UNF	1.058	2B	70	22	37		6.1	5		6.90	
SC623015	3/8-16UNC	1.588	2B	75	24	41		7	5.5	4	8.00	
SC623016	3/8-24UNF	1.058	2B	75	24	41		7	5.5		8.50	
SC623017	7/16-14UNC	1.814	2B	80	25	48		8	6		9.40	
SC623018	7/16-20UNF	1.27	2B	80	25	48		8	6		9.90	
SC623019	1/2-13UNC	1.954	2B	85	29	48		9	7		10.80	
SC623020	1/2-20UNF	1.27	2B	85	29	48		9	7		11.50	
SC623021	9/16-12UNC	2.117	2B	90	30	48		10.5	8		12.20	
SC623022	9/16-18UNF	1.411	2B	90	30	48		10.5	8		12.90	
SC623023	5/8-11UNC	2.309	2B	95	32	52		12	9		13.60	
SC623024	5/8-18UNF	1.411	2B	95	32	52		12	9		14.50	
SC623025	3/4-10UNC	2.54	2B	105	37	58		14	11		16.5	
SC623026	3/4-16UNF	1.588	2B	105	37	58		14	11		17.5	
SC623027	7/8-9UNC	2.822	2B	115	38	63		17	13		19.5	
SC623028	7/8-14UNF	1.814	2B	115	38	63		17	13		20.5	
SC623029	1"-8UNC	3.175	2B	125	45	66		20	15		22.3	
SC623030	1"-12UNF	2.117	2B	125	45	66		20	15		23.3	

JIS R45° Spiral Flute Machine Taps (UNC/UNF)



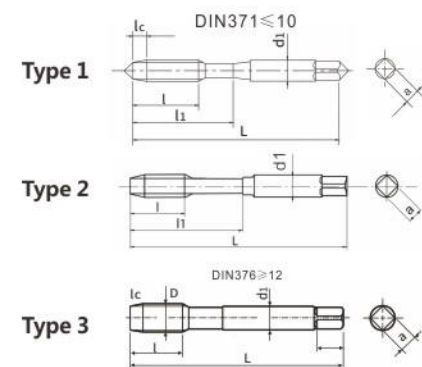
60° UNC UNF 2B R45° max.2.5xD C2SP RH 材料 HSSE PM 表面处理 TiN TiCN TiAIN												单位 Unit: mm
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SC523001	No4-40UNC	0.635	2B	44	6	18	2.5P	3	2.5	3	2.30	□
SC523002	No5-40UNC	0.635	2B	46	6	18		4	3.2		2.60	
SC523003	No6-32UNC	0.794	2B	48	7	20		4	3.2		2.80	
SC523004	No6-40UNF	0.635	2B	48	7	20		4	3.2		2.90	
SC523005	No8-32UNC	0.794	2B	52	7	21		5	4		3.40	
SC523006	No8-36UNF	0.706	2B	52	7	21		5	4		3.50	
SC523007	No10-24UNC	1.058	2B	60	10	24		5.5	4.5		3.90	
SC523008	No10-32UNF	0.794	2B	60	10	24		5.5	4.5		4.10	
SC523009	No12-24UNC	1.058	2B	60	10	24		5.5	4.5		4.50	
SC523010	No12-28UNF	0.907	2B	60	10	24		5.5	4.5		4.60	
SC523011	1/4-20UNC	1.27	2B	62	12	29		6	4.5		5.10	
SC523012	1/4-28UNF	0.907	2B	62	12	29		6	4.5		5.50	
SC523013	5/16-18UNC	1.411	2B	70	14	37		6.1	5		6.60	
SC523014	5/16-24UNF	1.058	2B	70	14	37		6.1	5		6.90	
SC523015	3/8-16UNC	1.588	2B	75	16	41		7	5.5		8.00	
SC523016	3/8-24UNF	1.058	2B	75	16	41		7	5.5		8.50	
SC523017	7/16-14UNC	1.814	2B	80	18	48		8	6		9.40	
SC523018	7/16-20UNF	1.27	2B	80	18	48		8	6		9.90	
SC523019	1/2-13UNC	1.954	2B	85	19	48		9	7		10.80	
SC523020	1/2-20UNF	1.27	2B	85	19	48		9	7		11.50	
SC523021	9/16-12UNC	2.117	2B	90	21	48		10.5	8		12.20	
SC523022	9/16-18UNF	1.411	2B	90	21	48		10.5	8		12.90	
SC523023	5/8-11UNC	2.309	2B	95	23	52	4	12	9	4	13.60	■
SC523024	5/8-18UNF	1.411	2B	95	23	52		12	9		14.50	
SC523025	3/4-10UNC	2.54	2B	105	25	58		14	11		16.5	
SC523026	3/4-16UNF	1.588	2B	105	25	58		14	11		17.5	
SC523027	7/8-9UNC	2.822	2B	115	28	63		17	13		19.5	
SC523028	7/8-14UNF	1.814	2B	115	28	63		17	13		20.5	
SC523029	1"-8UNC	3.175	2B	125	31	66		20	15		22.3	
SC523030	1"-12UNF	2.117	2B	125	31	66		20	15		23.3	

JIS Forming Machine Taps



60° M MF RH max.2.5xD C2.5P D14P RH 材料material HSSEPM 表面处理surface treatment TiN TiCN TiAlN 单位Unit: mm											
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	切削锥长度l _c Blind	长度l _c Through	柄部直径 d1	方厚 a	预钻孔径 d0	库存状态 Stock
SC713001	M1.6	0.35	Rh4	36	7	2P	4P	3	2.5	1.45	■
SC713002	M2	0.4	RH4	40	7			3	2.5	1.85	
SC713003	M2.5	0.45	RH4	44	8			3	2.5	2.33	
SC713004	M3	0.5	RH5	46	9			4	3.2	2.80	
SC713005	M4	0.7	RH6	52	10			5	4	3.70	
SC713006	M5	0.8	RH6	60	11			5.5	4.5	4.65	
SC713007	M6	1	RH7	62	12			6	4.5	5.55	
SC713008	M8	1.25	RH7	70	18			6.2	5	7.45	
SC713009	MF8×1	1	RH7	70	18			6.2	5	7.55	
SC713010	M10	1.5	RH7	75	19			7	5.5	9.35	
SC713011	MF10×1	1	RH7	75	19			7	5.5	9.55	
SC713012	MF10×1.25	1.25	RH7	75	19			7	5.5	9.45	
SC713013	M12	1.75	RH8	82	23			8.5	6.5	11.20	
SC713014	MF12×1	1	RH7	82	23			8.5	6.5	11.55	
SC713015	MF12×1.25	1.25	RH7	82	23			8.5	6.5	11.45	
SC713016	MF12×1.5	1.5	RH7	82	23			8.5	6.5	11.35	
SC713017	M14	2	RH10	88	25			10.5	8	13.10	
SC713020	MF14×1.5	1.5	RH9	88	25			10.5	8	13.35	
SC713021	M16	2	RH10	95	27			12.5	10	15.10	
SC713023	MF16×1.5	1.5	RH9	95	27			12.5	10	15.35	

DIN2174 Forming Thread Machine Taps



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度l _c		柄部直径 d ₁	方厚 a	预钻孔径 d ₀	库存状态 Stock
						Blind	Through				
SC712001	M2	0.4	6HX	45	8	2P	4P	2.8	2.1	1.85	□
SC712002	M2.5	0.45		50	9			2.8	2.1	2.33	
SC712003	M3	0.5		56	10			3.5	2.7	2.8	
SC712004	M4	0.7		63	12			4.5	3.4	3.7	
SC712005	M5	0.8		70	14			6	4.9	4.65	
SC712006	M6	1		80	16			6	4.9	5.55	
SC712007	M8	1.25		90	17			8	6.2	7.45	
SC712008	M8×1	1		90	17			8	6.2	7.55	
SC712009	M10	1.5		100	20			10	8	9.35	
SC712010	M10×1	1		100	20			10	8	9.55	
SC712011	M10×1.25	1.25		100	20			10	8	9.45	
SC712012	M12	1.75		110	24			9	7	11.2	
SC712013	M12×1	1		110	24			9	7	11.55	
SC712014	M12×1.25	1.25		110	24			9	7	11.45	
SC712015	M12×1.5	1.5		110	24			9	7	11.35	
SC712016	M14	2		110	26			11	9	13.1	
SC712019	M14×1.5	1.5		110	26			11	9	13.35	
SC712020	M16	2		110	26			12	9	15.1	
SC712022	M16×1.5	1.5		110	26			12	9	15.35	

HIGH
EFFICIENT PROCESSING
TOOLS
FOR INNER
THREAD

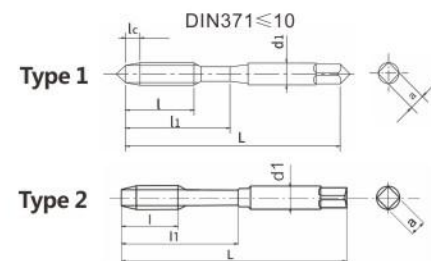
Cobalt HSS Machine Tap Series



High performance matrix materials, optimized cutting structure, and suitable surface treatment provide you with an efficient, durable, and reliable tapping experience

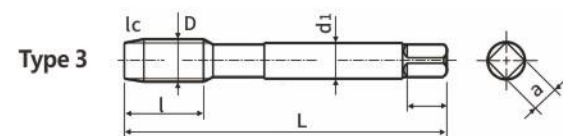
- Custom Thread Tolerance Zones(4H、6G、7G、6H+0.1 etc.)
- Custom taps with colored ring

DIN 371 Spiral Point Machine Taps with reinforced shank



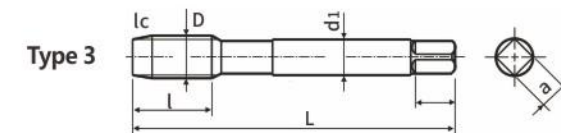
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA612001	M2	0.4	6H	45	8	13	5P	2.8	2.1	3	1.6	■
SA612002	M2.5	0.45	6H	50	9	15		2.8	2.1		2.1	
SA612003	M3	0.5	6H	56	11	18		3.5	2.7		2.5	
SA612004	M4	0.7	6H	63	13	21		4.5	3.4		3.3	
SA612005	M5	0.8	6H	70	16	25		6	4.9		4.2	
SA612006	M6	1	6H	80	19	30		6	4.9		5	
SA612007	M8	1.25	6H	90	22	35		8	6.2		6.8	
SA612008	MF8*1	1	6H	90	22	35		8	6.2		7	
SA612009	M10	1.5	6H	100	24	39		10	8		8.5	
SA612010	MF10*1	1	6H	90	20	35		10	8		9	
SA612011	MF10*1.25	1.25	6H	100	24	39		10	8		8.8	

DIN376 Spiral Point Machine Taps with reduced shank



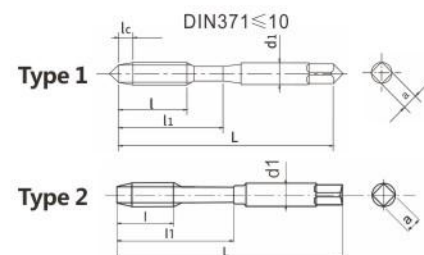
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA612101	M4	0.7	6H	63	13	5P	2.8	2.1	3	3.3	■
SA612102	M5	0.8	6H	70	16		3.5	2.7		4.2	
SA612103	M6	1	6H	80	19		4.5	3.4		5.0	
SA612104	M8	1.25	6H	90	22		6	4.9		6.8	
SA612105	M10	1.5	6H	100	24		7	5.5		8.5	
SA612106	M12	1.75	6H	110	29		9	7		10.3	
SA612107	M14	2	6H	110	30		11	9		12.0	
SA612108	M16	2	6H	110	32		12	9		14.0	
SA612109	M18	2.5	6H	125	37		14	11		15.5	
SA612110	M20	2.5	6H	140	37		16	12		17.5	
SA612111	M22	2.5	6H	140	38		18	14.5		19.5	
SA612112	M24	3	6H	160	45		18	14.5		21.0	
SA612113	M27	3	6H	160	45		20	16		24	
SA612114	M30	3.5	6H	180	48		22	18		26.5	
SA612115	M33	3.5	6H	180	51		25	20		29.5	
SA612116	M36	4	6H	200	57		28	22		32	

DIN374 Spiral Point Machine Taps with reduced shank



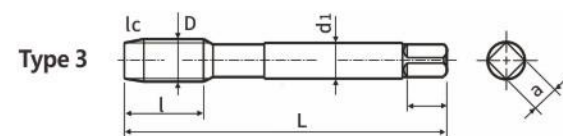
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA612121	MF4×0.5	0.5	6H	63	10	5P	2.8	2.1	3	3.5	■
SA612122	MF5×0.5	0.5	6H	70	12		3.5	2.7		4.5	
SA612123	MF6×0.5	0.5	6H	80	14		4.5	3.4		5.5	
SA612124	MF6×0.75	0.75	6H	80	14		4.5	3.4		5.3	
SA612125	MF8×0.75	0.75	6H	80	18		6	4.9		7.3	
SA612126	MF8×1	1	6H	90	22		6	4.9		7.0	
SA612127	MF10×0.75	0.75	6H	90	20		7	5.5		9.3	
SA612128	MF10×1	1	6H	90	20		7	5.5		9.0	
SA612129	MF10×1.25	1.25	6H	100	24		7	5.5		8.8	
SA612130	MF12×1	1	6H	100	22		9	7		11.0	
SA612131	MF12×1.25	1.25	6H	100	22		9	7		10.8	
SA612132	MF12×1.5	1.5	6H	100	22		9	7		10.5	
SA612133	MF14×1	1	6H	100	22		11	9		13.0	
SA612134	MF14×1.25	1.25	6H	100	22		11	9		12.8	
SA612135	MF14×1.5	1.5	6H	100	22		11	9		12.5	
SA612136	MF16×1	1	6H	100	22		12	9		15.0	
SA612137	MF16×1.5	1.5	6H	100	22		12	9		14.5	
SA612138	MF18×1	1	6H	110	25		14	11		17.0	
SA612139	MF18×1.5	1.5	6H	110	25		14	11		16.5	
SA612140	MF20×1	1	6H	125	25		16	12		19.0	
SA612141	MF20×1.5	1.5	6H	125	25		16	12		18.5	
SA612142	MF20×2	2	6H	140	34		16	12		18.0	
SA612143	MF22×1	1	6H	125	25		18	14.5		21.0	
SA612144	MF22×1.5	1.5	6H	125	25		18	14.5		20.5	
SA612145	MF22×2	2	6H	140	34		18	14.5		20.0	
SA612146	MF24×1	1	6H	140	28		18	14.5		23.0	
SA612147	MF24×1.5	1.5	6H	140	28		18	14.5		22.5	
SA612148	MF24×2	2	6H	140	28		18	14.5		22.0	
SA612149	MF27×1	1	6H	140	28		20	16		26	
SA612150	MF27×1.5	1.5	6H	140	28		20	16		25.5	
SA612151	MF27×2	2	6H	140	28		20	16		25	
SA612152	MF30×1	1	6H	150	28		22	18		29	
SA612153	MF30×1.5	1.5	6H	150	28		22	18		28.5	
SA612154	MF30×2	2	6H	150	28		22	18		28	
SA612155	MF30×3	3	6H	180	45		22	18		27	
SA612156	MF33×1.5	1.5	6H	160	28		25	20		31.5	
SA612157	MF33×2	2	6H	160	28		25	20		31	
SA612158	MF33×3	3	6H	180	50		25	20		30	
SA612159	MF36×1.5	1.5	6H	170	30		28	22		34.5	
SA612160	MF36×2	2	6H	170	30		28	22		34	
SA612161	MF36×3	3	6H	200	56		28	22		33	

DIN 371 R45° Spiral Flute Machine Taps with reinforced shank



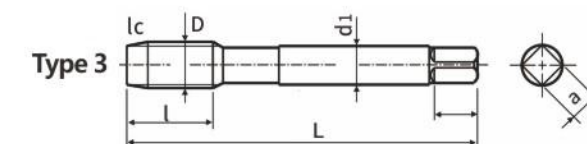
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 lt	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512001	M2	0.4	6H	45	6	13	2.5P	2.8	2.1	3	1.6	■
SA512002	M2.5	0.45	6H	50	6	15		2.8	2.1		2.1	
SA512003	M3	0.5	6H	56	6	18		3.5	2.7		2.5	
SA512004	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SA512005	M5	0.8	6H	70	10	25		6	4.9		4.2	
SA512006	M6	1	6H	80	12	30		6	4.9		5	
SA512007	M8	1.25	6H	90	15	35		8	6.2		6.8	
SA512008	MF8*1	1	6H	90	15	35		8	6.2		7	
SA512009	M10	1.5	6H	100	18	39		10	8		8.5	
SA512010	MF10*1	1	6H	90	15	35		10	8		9	
SA512011	MF10*1.25	1.25	6H	100	18	39		10	8		8.8	

DIN 376 R45° Spiral Flute Machine Taps with reduced shank



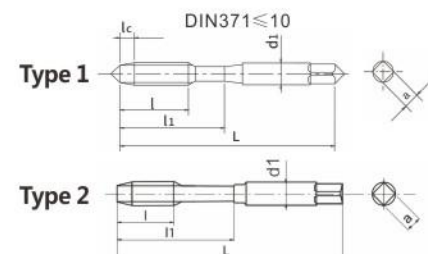
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512101	M4	0.7	6H	63	9	2.5P	2.8	2.1	3	3.3	■
SA512102	M5	0.8	6H	70	10		3.5	2.7		4.2	
SA512103	M6	1	6H	80	12		4.5	3.4		5.0	
SA512104	M8	1.25	6H	90	15		6	4.9		6.8	
SA512105	M10	1.5	6H	100	18		7	5.5		8.5	
SA512106	M12	1.75	6H	110	21		9	7		10.3	
SA512107	M14	2	6H	110	20		11	9		12.0	
SA512108	M16	2	6H	110	20		12	9		14.0	
SA512109	M18	2.5	6H	125	25		14	11	4	15.5	
SA512110	M20	2.5	6H	140	25		16	12		17.5	
SA512111	M22	2.5	6H	140	25		18	14.5		19.5	
SA512112	M24	3	6H	160	30		18	14.5		21.0	
SA512113	M27	3	6H	160	30		20	16		24	
SA512114	M30	3.5	6H	180	35		22	18		26.5	
SA512115	M33	3.5	6H	180	35		25	20		29.5	
SA512116	M36	4	6H	200	40		28	22		32	

DIN 374 R45° Spiral Flute Machine Taps with reduced shank



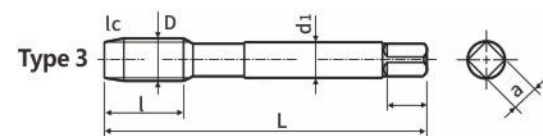
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512121	MF4×0.5	0.5	6H	63	10	2.5P	2.8	2.1	3	3.5	■
SA512122	MF5×0.5	0.5	6H	70	12		3.5	2.7		4.5	
SA512123	MF6×0.5	0.5	6H	80	14		4.5	3.4		5.5	
SA512124	MF6×0.75	0.75	6H	80	14		4.5	3.4		5.3	
SA512125	MF8×0.75	0.75	6H	80	18		6	4.9		7.3	
SA512126	MF8×1	1	6H	90	22		6	4.9		7.0	
SA512127	MF10×0.75	0.75	6H	90	20		7	5.5		9.3	
SA512128	MF10×1	1	6H	90	20		7	5.5		9.0	
SA512129	MF10×1.25	1.25	6H	100	24		7	5.5		8.8	
SA512130	MF12×1	1	6H	100	22		9	7		11.0	
SA512131	MF12×1.25	1.25	6H	100	22		9	7		10.8	
SA512132	MF12×1.5	1.5	6H	100	22		9	7		10.5	
SA512133	MF14×1	1	6H	100	22		11	9		13.0	
SA512134	MF14×1.25	1.25	6H	100	22		11	9		12.8	
SA512135	MF14×1.5	1.5	6H	100	22		11	9		12.5	
SA512136	MF16×1	1	6H	100	22		12	9		15.0	
SA512137	MF16×1.5	1.5	6H	100	22		12	9		14.5	
SA512138	MF18×1	1	6H	110	25		14	11	4	17.0	
SA512139	MF18×1.5	1.5	6H	110	25		14	11		16.5	
SA512140	MF20×1	1	6H	125	25		16	12		19.0	
SA512141	MF20×1.5	1.5	6H	125	25		16	12		18.5	
SA512142	MF20×2	2	6H	140	25		16	12		18.0	
SA512143	MF22×1	1	6H	125	25		18	14.5		21.0	
SA512144	MF22×1.5	1.5	6H	125	25		18	14.5		20.5	
SA512145	MF22×2	2	6H	140	25		18	14.5		20.0	
SA512146	MF24×1	1	6H	140	28		18	14.5		23.0	
SA512147	MF24×1.5	1.5	6H	140	28		18	14.5		22.5	
SA512148	MF24×2	2	6H	140	28		18	14.5		22.0	
SA512149	MF27×1	1	6H	140	28		20	16		26	
SA512150	MF27×1.5	1.5	6H	140	28		20	16		25.5	
SA512151	MF27×2	2	6H	140	28		20	16		25	
SA512152	MF30×1	1	6H	150	28		22	18		29	
SA512153	MF30×1.5	1.5	6H	150	28		22	18		28.5	
SA512154	MF30×2	2	6H	150	28		22	18		28	
SA512155	MF30×3	3	6H	180	35		22	18		27	
SA512156	MF33×1.5	1.5	6H	160	28		25	20		31.5	
SA512157	MF33×2	2	6H	160	28		25	20		31	
SA512158	MF33×3	3	6H	180	35		25	20		30	
SA512159	MF36×1.5	1.5	6H	170	30		28	22		34.5	
SA512160	MF36×2	2	6H	170	30		28	22		34	
SA512161	MF36×3	3	6H	200	40		28	22		33	

DIN 371 R35° Spiral Flute Machine Taps with reinforced shank



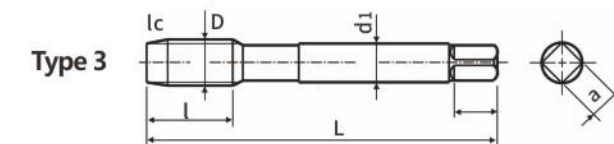
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 lt	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512301	M2	0.4	6H	45	6	13	2.5P	2.8	2.1	3	1.6	■
SA512302	M2.5	0.45	6H	50	6	15		2.8	2.1		2.1	
SA512303	M3	0.5	6H	56	6	18		3.5	2.7		2.5	
SA512304	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SA512305	M5	0.8	6H	70	10	25		6	4.9		4.2	
SA512306	M6	1	6H	80	12	30		6	4.9		5	
SA512307	M8	1.25	6H	90	15	35		8	6.2		6.8	
SA512308	MF8*1	1	6H	90	15	35		8	6.2		7	
SA512309	M10	1.5	6H	100	18	39		10	8		8.5	
SA512310	MF10*1	1	6H	90	15	35		10	8		9	
SA512311	MF10*1.25	1.25	6H	100	18	39		10	8		8.8	

DIN 376 R35° Spiral Flute Machine Taps with reduced shank



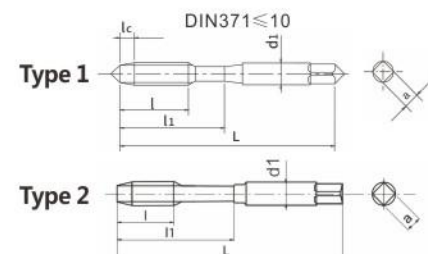
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512401	M4	0.7	6H	63	9	2.5P	2.8	2.1	3	3.3	■
SA512402	M5	0.8	6H	70	10		3.5	2.7		4.2	
SA512403	M6	1	6H	80	12		4.5	3.4		5.0	
SA512404	M8	1.25	6H	90	15		6	4.9		6.8	
SA512405	M10	1.5	6H	100	18		7	5.5		8.5	
SA512406	M12	1.75	6H	110	21		9	7		10.3	
SA512407	M14	2	6H	110	20		11	9		12.0	
SA512408	M16	2	6H	110	20		12	9		14.0	
SA512409	M18	2.5	6H	125	25		14	11	4	15.5	
SA512410	M20	2.5	6H	140	25		16	12		17.5	
SA512411	M22	2.5	6H	140	25		18	14.5		19.5	
SA512412	M24	3	6H	160	30		18	14.5		21.0	
SA512413	M27	3	6H	160	30		20	16		24	
SA512414	M30	3.5	6H	180	35		22	18		26.5	
SA512415	M33	3.5	6H	180	35		25	20		29.5	
SA512416	M36	4	6H	200	40		28	22		32	

DIN 374 R35° Spiral Flute Machine Taps with reduced shank



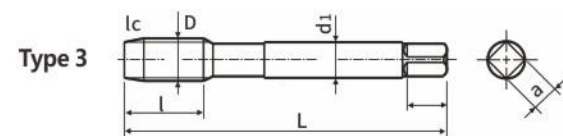
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512421	MF4×0.5	0.5	6H	63	10	2.5P	2.8	2.1	3	3.5	■
SA512422	MF5×0.5	0.5	6H	70	12		3.5	2.7		4.5	
SA512423	MF6×0.5	0.5	6H	80	14		4.5	3.4		5.5	
SA512424	MF6×0.75	0.75	6H	80	14		4.5	3.4		5.3	
SA512425	MF8×0.75	0.75	6H	80	18		6	4.9		7.3	
SA512426	MF8×1	1	6H	90	22		6	4.9		7.0	
SA512427	MF10×0.75	0.75	6H	90	20		7	5.5		9.3	
SA512428	MF10×1	1	6H	90	20		7	5.5		9.0	
SA512429	MF10×1.25	1.25	6H	100	24		7	5.5		8.8	
SA512430	MF12×1	1	6H	100	22		9	7		11.0	
SA512431	MF12×1.25	1.25	6H	100	22		9	7		10.8	
SA512432	MF12×1.5	1.5	6H	100	22		9	7		10.5	
SA512433	MF14×1	1	6H	100	22		11	9		13.0	
SA512434	MF14×1.25	1.25	6H	100	22		11	9		12.8	
SA512435	MF14×1.5	1.5	6H	100	22		11	9		12.5	
SA512436	MF16×1	1	6H	100	22		12	9		15.0	
SA512437	MF16×1.5	1.5	6H	100	22		12	9		14.5	
SA512438	MF18×1	1	6H	110	25		14	11	4	17.0	
SA512439	MF18×1.5	1.5	6H	110	25		14	11		16.5	
SA512440	MF20×1	1	6H	125	25		16	12		19.0	
SA512441	MF20×1.5	1.5	6H	125	25		16	12		18.5	
SA512442	MF20×2	2	6H	140	25		16	12		18.0	
SA512443	MF22×1	1	6H	125	25		18	14.5		21.0	
SA512444	MF22×1.5	1.5	6H	125	25		18	14.5		20.5	
SA512445	MF22×2	2	6H	140	25		18	14.5		20.0	
SA512446	MF24×1	1	6H	140	28		18	14.5		23.0	
SA512447	MF24×1.5	1.5	6H	140	28		18	14.5		22.5	
SA512448	MF24×2	2	6H	140	28		18	14.5		22.0	
SA512449	MF27×1	1	6H	140	28		20	16		26	
SA512450	MF27×1.5	1.5	6H	140	28		20	16		25.5	
SA512451	MF27×2	2	6H	140	28		20	16		25	
SA512452	MF30×1	1	6H	150	28		22	18		29	
SA512453	MF30×1.5	1.5	6H	150	28		22	18		28.5	
SA512454	MF30×2	2	6H	150	28		22	18		28	
SA512455	MF30×3	3	6H	180	35		22	18		27	
SA512456	MF33×1.5	1.5	6H	160	28		25	20		31.5	
SA512457	MF33×2	2	6H	160	28		25	20		31	
SA512458	MF33×3	3	6H	180	35		25	20		30	
SA512459	MF36×1.5	1.5	6H	170	30		28	22		34.5	
SA512460	MF36×2	2	6H	170	30		28	22		34	
SA512461	MF36×3	3	6H	200	40		28	22		33	

DIN 371 R15° Spiral Flute Machine Taps with reinforced shank



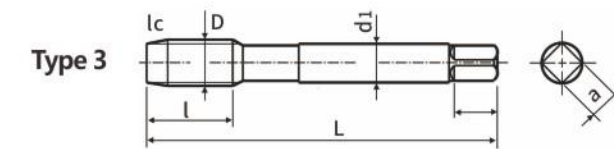
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 lt	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512501	M2	0.4	6H	45	6	13	2.5P	2.8	2.1	3	1.6	□
SA512502	M2.5	0.45	6H	50	6	15		2.8	2.1		2.1	
SA512503	M3	0.5	6H	56	6	18		3.5	2.7		2.5	
SA512504	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SA512505	M5	0.8	6H	70	10	25		6	4.9		4.2	
SA512506	M6	1	6H	80	12	30		6	4.9		5	
SA512507	M8	1.25	6H	90	15	35		8	6.2		6.8	
SA512508	MF8*1	1	6H	90	15	35		8	6.2		7	
SA512509	M10	1.5	6H	100	18	39		10	8		8.5	
SA512510	MF10*1	1	6H	90	15	35		10	8		9	
SA512511	MF10*1.25	1.25	6H	100	18	39		10	8		8.8	

DIN 376 R15° Spiral Flute Machine Taps with reduced shank



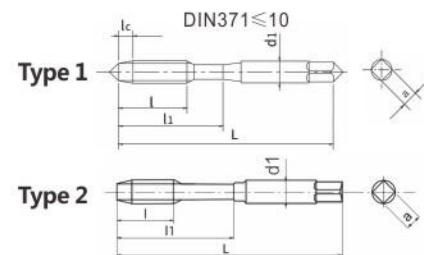
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512601	M4	0.7	6H	63	9	2.5P	2.8	2.1	3	3.3	□
SA512602	M5	0.8	6H	70	10		3.5	2.7		4.2	
SA512603	M6	1	6H	80	12		4.5	3.4		5.0	
SA512604	M8	1.25	6H	90	15		6	4.9		6.8	
SA512605	M10	1.5	6H	100	18		7	5.5		8.5	
SA512606	M12	1.75	6H	110	21		9	7		10.3	
SA512607	M14	2	6H	110	20		11	9		12.0	
SA512608	M16	2	6H	110	20		12	9		14.0	
SA512609	M18	2.5	6H	125	25		14	11	4	15.5	
SA512610	M20	2.5	6H	140	25		16	12		17.5	
SA512611	M22	2.5	6H	140	25		18	14.5		19.5	
SA512612	M24	3	6H	160	30		18	14.5		21.0	
SA512613	M27	3	6H	160	30		20	16		24	
SA512614	M30	3.5	6H	180	35		22	18		26.5	
SA512615	M33	3.5	6H	180	35		25	20		29.5	
SA512616	M36	4	6H	200	40		28	22		32	

DIN 374 R15° Spiral Flute Machine Taps with reduced shank



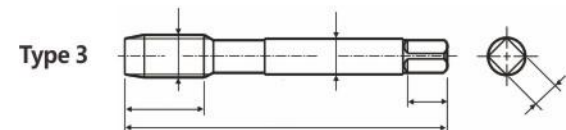
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512621	MF4×0.5	0.5	6H	63	10	2.5P	2.8	2.1	3	3.5	□
SA512622	MF5×0.5	0.5	6H	70	12		3.5	2.7		4.5	
SA512623	MF6×0.5	0.5	6H	80	14		4.5	3.4		5.5	
SA512624	MF6×0.75	0.75	6H	80	14		4.5	3.4		5.3	
SA512625	MF8×0.75	0.75	6H	80	18		6	4.9		7.3	
SA512626	MF8×1	1	6H	90	22		6	4.9		7.0	
SA512627	MF10×0.75	0.75	6H	90	20		7	5.5		9.3	
SA512628	MF10×1	1	6H	90	20		7	5.5		9.0	
SA512629	MF10×1.25	1.25	6H	100	24		7	5.5		8.8	
SA512630	MF12×1	1	6H	100	22		9	7		11.0	
SA512631	MF12×1.25	1.25	6H	100	22		9	7		10.8	
SA512632	MF12×1.5	1.5	6H	100	22		9	7		10.5	
SA512633	MF14×1	1	6H	100	22		11	9		13.0	
SA512634	MF14×1.25	1.25	6H	100	22		11	9		12.8	
SA512635	MF14×1.5	1.5	6H	100	22		11	9		12.5	
SA512636	MF16×1	1	6H	100	22		12	9		15.0	
SA512637	MF16×1.5	1.5	6H	100	22		12	9		14.5	
SA512638	MF18×1	1	6H	110	25		14	11		17.0	
SA512639	MF18×1.5	1.5	6H	110	25		14	11		16.5	
SA512640	MF20×1	1	6H	125	25		16	12		19.0	
SA512641	MF20×1.5	1.5	6H	125	25		16	12		18.5	
SA512642	MF20×2	2	6H	140	25		16	12		18.0	
SA512643	MF22×1	1	6H	125	25		18	14.5		21.0	
SA512644	MF22×1.5	1.5	6H	125	25		18	14.5		20.5	
SA512645	MF22×2	2	6H	140	25		18	14.5		20.0	
SA512646	MF24×1	1	6H	140	28		18	14.5		23.0	
SA512647	MF24×1.5	1.5	6H	140	28		18	14.5		22.5	
SA512648	MF24×2	2	6H	140	28		18	14.5		22.0	
SA512649	MF27×1	1	6H	140	28		20	16		26	
SA512650	MF27×1.5	1.5	6H	140	28		20	16		25.5	
SA512651	MF27×2	2	6H	140	28		20	16		25	
SA512652	MF30×1	1	6H	150	28		22	18		29	
SA512653	MF30×1.5	1.5	6H	150	28		22	18		28.5	
SA512654	MF30×2	2	6H	150	28		22	18		28	
SA512655	MF30×3	3	6H	180	35		22	18		27	
SA512656	MF33×1.5	1.5	6H	160	28		25	20		31.5	
SA512657	MF33×2	2	6H	160	28		25	20		31	
SA512658	MF33×3	3	6H	180	35		25	20		30	
SA512659	MF36×1.5	1.5	6H	170	30		28	22		34.5	
SA512660	MF36×2	2	6H	170	30		28	22		34	
SA512661	MF36×3	3	6H	200	40		28	22		33	

DIN371 Straight Flute Machine Taps with reinforced shank



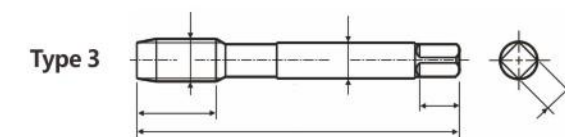
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA812001	M2	0.4	6H	45	8	13	2.5P/4P	2.8	2.1	3	1.6	□
SA812002	M2.5	0.45	6H	50	9	15		2.8	2.1		2.1	
SA812003	M3	0.5	6H	56	11	18		3.5	2.7		2.5	
SA812004	M4	0.7	6H	63	13	21		4.5	3.4		3.3	
SA812005	M5	0.8	6H	70	16	25		6	4.9		4.2	
SA812006	M6	1	6H	80	19	30		6	4.9		5	
SA812007	M8	1.25	6H	90	22	35		8	6.2		6.8	
SA812008	MF8*1	1	6H	90	22	35		8	6.2		7	
SA812009	M10	1.5	6H	100	24	39		10	8		8.5	
SA812010	MF10*1	1	6H	90	20	35		10	8		9	
SA812011	MF10*1.25	1.25	6H	100	24	39		10	8		8.8	

DIN376 Straight Flute Machine Taps with reduced shank



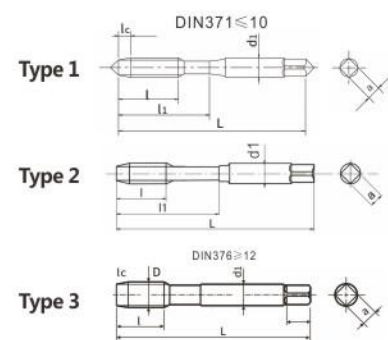
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA812101	M4	0.7	6H	63	13	2.5P/4P	2.8	2.1	3	3.3	□
SA812102	M5	0.8	6H	70	16		3.5	2.7		4.2	
SA812103	M6	1	6H	80	19		4.5	3.4		5.0	
SA812104	M8	1.25	6H	90	22		6	4.9		6.8	
SA812105	M10	1.5	6H	100	24		7	5.5		8.5	
SA812106	M12	1.75	6H	110	29		9	7		10.3	
SA812107	M14	2	6H	110	30		11	9		12.0	
SA812108	M16	2	6H	110	32		12	9		14.0	
SA812109	M18	2.5	6H	125	34		14	11	4	15.5	
SA812110	M20	2.5	6H	140	34		16	12		17.5	
SA812111	M22	2.5	6H	140	34		18	14.5		19.5	
SA812112	M24	3	6H	160	38		18	14.5		21.0	
SA812113	M27	3	6H	160	45		20	16		24	
SA812114	M30	3.5	6H	180	48		22	18		26.5	
SA812115	M33	3.5	6H	180	51		25	20		29.5	
SA812116	M36	4	6H	200	57		28	22		32	

DIN374 Straight Flute Machine Taps with reduced shank



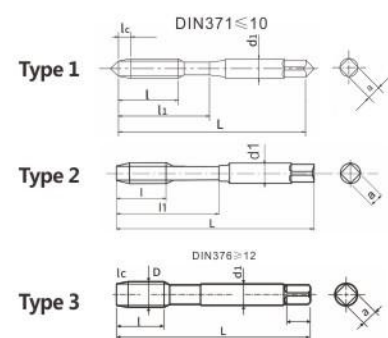
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA812121	MF4×0.5	0.5	6H	63	10	2.5P/4P	2.8	2.1	3	3.5	□
SA812122	MF5×0.5	0.5	6H	70	12		3.5	2.7		4.5	
SA812123	MF6×0.5	0.5	6H	80	14		4.5	3.4		5.5	
SA812124	MF6×0.75	0.75	6H	80	14		4.5	3.4		5.3	
SA812125	MF8×0.75	0.75	6H	80	18		6	4.9		7.3	
SA812126	MF8×1	1	6H	90	22		6	4.9		7.0	
SA812127	MF10×0.75	0.75	6H	90	20		7	5.5		9.3	
SA812128	MF10×1	1	6H	90	20		7	5.5		9.0	
SA812129	MF10×1.25	1.25	6H	100	24		7	5.5		8.8	
SA812130	MF12×1	1	6H	100	22		9	7		11.0	
SA812131	MF12×1.25	1.25	6H	100	22		9	7		10.8	
SA812132	MF12×1.5	1.5	6H	100	22		9	7		10.5	
SA812133	MF14×1	1	6H	100	22		11	9		13.0	
SA812134	MF14×1.25	1.25	6H	100	22		11	9		12.8	
SA812135	MF14×1.5	1.5	6H	100	22		11	9		12.5	
SA812136	MF16×1	1	6H	100	22		12	9		15.0	
SA812137	MF16×1.5	1.5	6H	100	22		12	9		14.5	
SA812138	MF18×1	1	6H	110	25		14	11		17.0	
SA812139	MF18×1.5	1.5	6H	110	25		14	11		16.5	
SA812140	MF20×1	1	6H	125	25		16	12		19.0	
SA812141	MF20×1.5	1.5	6H	125	25		16	12	4	18.5	
SA812142	MF20×2	2	6H	140	34		16	12		18.0	
SA812143	MF22×1	1	6H	125	25		18	14.5		21.0	
SA812144	MF22×1.5	1.5	6H	125	25		18	14.5		20.5	
SA812145	MF22×2	2	6H	140	34		18	14.5		20.0	
SA812146	MF24×1	1	6H	140	28		18	14.5		23.0	
SA812147	MF24×1.5	1.5	6H	140	28		18	14.5		22.5	
SA812148	MF24×2	2	6H	140	28		18	14.5		22.0	
SA812149	MF27×1	1	6H	140	28		20	16		26	
SA812150	MF27×1.5	1.5	6H	140	28		20	16		25.5	
SA812151	MF27×2	2	6H	140	28		20	16		25	
SA812152	MF30×1	1	6H	150	28		22	18		29	
SA812153	MF30×1.5	1.5	6H	150	28		22	18		28.5	
SA812154	MF30×2	2	6H	150	28		22	18		28	
SA812155	MF30×3	3	6H	180	45		22	18		27	
SA812156	MF33×1.5	1.5	6H	160	28		25	20		31.5	
SA812157	MF33×2	2	6H	160	28		25	20		31	
SA812158	MF33×3	3	6H	180	50		25	20		30	
SA812159	MF36×1.5	1.5	6H	170	30		28	22		34.5	
SA812160	MF36×2	2	6H	170	30		28	22		34	
SA812161	MF36×3	3	6H	200	56		28	22		33	

DIN371/376 Left Cutting Spiral Point Machine Taps



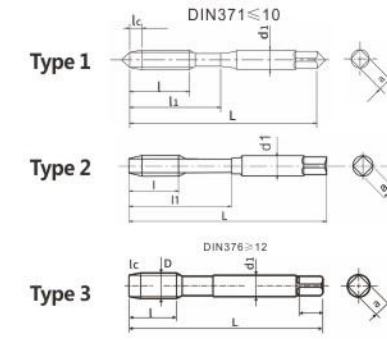
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA612701	M3 LH	0.5	6H	56	11	18	5P	3.5	2.7	3	2.5	■
SA612702	M4 LH	0.7	6H	63	13	21		4.5	3.4		3.3	
SA612703	M5 LH	0.8	6H	70	16	25		6	4.9		4.2	
SA612704	M6 LH	1	6H	80	19	30		6	4.9		5	
SA612705	M8 LH	1.25	6H	90	22	35		8	6.2		6.8	
SA612706	M10 LH	1.5	6H	100	24	39		10	8		8.5	
SA612707	M12 LH	1.75	6H	110	29	/		9	7		10.3	
SA612708	M14 LH	2	6H	110	30	/		11	9		12	
SA612709	M16 LH	2	6H	110	32	/		12	9		14	
SA612710	M18 LH	2.5	6H	125	37	/		14	11	4	15.5	
SA612711	M20 LH	2.5	6H	140	37	/		16	12		17.5	

DIN371/376 Left Cutting L45° Spiral Flute Machine Tap



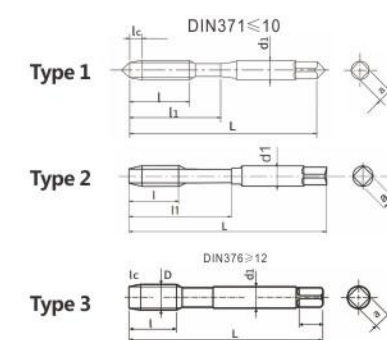
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA512701	M3 LH	0.5	6H	56	6	18	2.5P	3.5	2.7	3	2.5	■
SA512702	M4 LH	0.7	6H	63	9	21		4.5	3.4		3.3	
SA512703	M5 LH	0.8	6H	70	10	25		6	4.9		4.2	
SA512704	M6 LH	1	6H	80	12	30		6	4.9		5	
SA512705	M8 LH	1.25	6H	90	15	35		8	6.2		6.8	
SA512706	M10 LH	1.5	6H	100	18	39		10	8		8.5	
SA512707	M12 LH	1.75	6H	110	21	/		9	7		10.3	
SA512708	M14 LH	2	6H	110	20	/		11	9		12	
SA512709	M16 LH	2	6H	110	20	/		12	9		14	
SA512710	M18 LH	2.5	6H	125	25	/		14	11	4	15.5	
SA512711	M20 LH	2.5	6H	140	25	/		16	12		17.5	

DIN371/376 Spiral Point Machine Taps with alternating teeth



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA692001	M3 AZ	0.5	6H	56	11	18	5P	3.5	2.7	3	2.5	■
SA692002	M4 AZ	0.7	6H	63	13	21		4.5	3.4		3.3	
SA692003	M5 AZ	0.8	6H	70	16	25		6	4.9		4.2	
SA692004	M6 AZ	1	6H	80	19	30		6	4.9		5	
SA692005	M8 AZ	1.25	6H	90	22	35		8	6.2		6.8	
SA692006	M10 AZ	1.5	6H	100	24	39		10	8		8.5	
SA692007	M12 AZ	1.75	6H	110	29	/		9	7		10.3	
SA692008	M14 AZ	2	6H	110	30	/		11	9		12	
SA692009	M16 AZ	2	6H	110	32	/		12	9		14	
SA692010	M18 AZ	2.5	6H	125	37	/		14	11	4	15.5	
SA692011	M20 AZ	2.5	6H	140	37	/		16	12		17.5	

DIN371/376 R15° Spiral Flute Machine Taps with alternating teeth



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l ₁	切削锥长度 l _c	柄部直径 d ₁	方厚 a	槽数 Flute	预钻孔径 d ₀	库存状态 Stock
SA592001	M3 AZ	0.5	6H	56	6	18	2.5P	3.5	2.7	3	2.5	■
SA592002	M4 AZ	0.7	6H	63	9	21		4.5	3.4		3.3	
SA592003	M5 AZ	0.8	6H	70	10	25		6	4.9		4.2	
SA592004	M6 AZ	1	6H	80	12	30		6	4.9		5	
SA592005	M8 AZ	1.25	6H	90	15	35		8	6.2		6.8	
SA592006	M10 AZ	1.5	6H	100	18	39		10	8		8.5	
SA592007	M12 AZ	1.75	6H	110	21	/		9	7		10.3	
SA592008	M14 AZ	2	6H	110	20	/		11	9		12	
SA592009	M16 AZ	2	6H	110	20	/		12	9		14	
SA592010	M18 AZ	2.5	6H	125	25	/		14	11	4	15.5	
SA592011	M20 AZ	2.5	6H	140	25	/		16	12		17.5	

≈DIN 371 Spiral Point Machine Taps with reinforced shank(UNC/UNF)



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 L1	颈长 Lc	切削锥长度 Lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA622001	No4-40UNC	0.635	2B	56	11	18	5P	3.5	2.7	3	2.30	□
SA622002	No5-40UNC	0.635	2B	56	11	18		3.5	2.7		2.60	
SA622003	No6-32UNC	0.794	2B	56	12	20		4	3		2.80	
SA622004	No6-40UNF	0.635	2B	56	12	20		4	3		2.90	
SA622005	No8-32UNC	0.794	2B	63	13	21		4.5	3.4		3.40	
SA622006	No8-36UNF	0.706	2B	63	13	21		4.5	3.4		3.50	
SA622007	No10-24UNC	1.058	2B	70	16	24		6	4.9		3.90	
SA622008	No10-32UNF	0.794	2B	70	16	24		6	4.9		4.10	
SA622009	No12-24UNC	1.058	2B	80	17	25		6	4.9		4.50	
SA622010	No12-28UNF	0.907	2B	80	17	25		6	4.9		4.60	
SA622011	1/4-20UNC	1.27	2B	80	19	29		7	5.5		5.10	
SA622012	1/4-28UNF	0.907	2B	80	19	29		7	5.5		5.50	
SA622013	5/16-18UNC	1.411	2B	90	22	37		8	6.2		6.60	
SA622014	5/16-24UNF	1.058	2B	90	22	37		8	6.2		6.90	
SA622015	3/8-16UNC	1.588	2B	100	24	41		10	8		8.00	
SA622016	3/8-24UNF	1.058	2B	100	24	41		10	8		8.50	

≈DIN376/374 Spiral Point Machine Taps with reduced shank(UNC/UNF)



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 L1	颈长 Lc	切削锥长度 Lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA622101	7/16-14UNC	1.814	2B	100	25	48	5P	8	6.2	3	9.40	□
SA622102	7/16-20UNF	1.27	2B	100	25	48		8	6.2		9.90	
SA622103	1/2-13UNC	1.954	2B	110	29	48		9	7		10.80	
SA622104	1/2-20UNF	1.27	2B	110	29	48		9	7		11.50	
SA622105	9/16-12UNC	2.117	2B	110	30	48		11	9		12.20	
SA622106	9/16-18UNF	1.411	2B	110	30	48		11	9		12.90	
SA622107	5/8-11UNC	2.309	2B	110	32	52		12	9		13.60	
SA622108	5/8-18UNF	1.411	2B	110	32	52		12	9		14.50	
SA622109	3/4-10UNC	2.54	2B	125	37	58		14	11	4	16.5	
SA622110	3/4-16UNF	1.588	2B	125	37	58		14	11		17.5	
SA622111	7/8-9UNC	2.822	2B	140	38	63		18	14.5		19.5	
SA622112	7/8-14UNF	1.814	2B	140	38	63		18	14.5		20.5	
SA622113	1"-8UNC	3.175	2B	160	45	66		20	16		22.3	
SA622114	1"-12UNF	2.117	2B	160	45	66		20	16		23.3	

≈DIN 371 R45° Spiral Flute Machine Taps with reinforced shank(UNC/UNF)



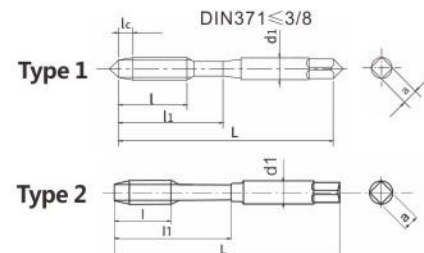
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 L1	颈长 Lc	切削锥长度 Lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522001	No4-40UNC	0.635	2B	56	6	18	2.5P	3.5	2.7	3	2.30	□
SA522002	No5-40UNC	0.635	2B	56	6	18		3.5	2.7		2.60	
SA522003	No6-32UNC	0.794	2B	56	7	20		4	3		2.80	
SA522004	No6-40UNF	0.635	2B	56	7	20		4	3		2.90	
SA522005	No8-32UNC	0.794	2B	63	7	21		4.5	3.4		3.40	
SA522006	No8-36UNF	0.706	2B	63	7	21		4.5	3.4		3.50	
SA522007	No10-24UNC	1.058	2B	70	10	24		6	4.9		3.90	
SA522008	No10-32UNF	0.794	2B	70	10	24		6	4.9		4.10	
SA522009	No12-24UNC	1.058	2B	80	10	24		6	4.9		4.50	
SA522010	No12-28UNF	0.907	2B	80	10	24		6	4.9		4.60	
SA522011	1/4-20UNC	1.27	2B	80	12	29		7	5.5		5.10	
SA522012	1/4-28UNF	0.907	2B	80	12	29		7	5.5		5.50	
SA522013	5/16-18UNC	1.411	2B	90	14	37		8	6.2		6.60	
SA522014	5/16-24UNF	1.058	2B	90	14	37		8	6.2		6.90	
SA522015	3/8-16UNC	1.588	2B	100	16	41		10	8		8.00	
SA522016	3/8-24UNF	1.058	2B	100	16	41		10	8		8.50	

≈DIN 376/374 R45° Spiral Flute Machine Taps with reduced shank(UNC/UNF)



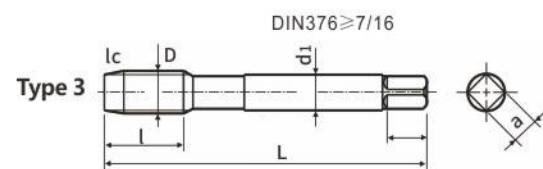
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 L1	颈长 Lc	切削锥长度 Lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522101	7/16-14UNC	1.814	2B	100	18	48	2.5P	8	6.2	3	9.40	□
SA522102	7/16-20UNF	1.27	2B	100	18	48		8	6.2		9.90	
SA522103	1/2-13UNC	1.954	2B	110	19	48		9	7		10.80	
SA522104	1/2-20UNF	1.27	2B	110	19	48		9	7		11.50	
SA522105	9/16-12UNC	2.117	2B	110	21	48		11	9		12.20	
SA522106	9/16-18UNF	1.411	2B	110	21	48		11	9		12.90	
SA522107	5/8-11UNC	2.309	2B	110	23	52		12	9		13.60	
SA522108	5/8-18UNF	1.411	2B	110	23	52		12	9		14.50	
SA522109	3/4-10UNC	2.54	2B	125	25	58		14	11	4	16.5	
SA522110	3/4-16UNF	1.588	2B	125	25	58		14	11		17.5	
SA522111	7/8-9UNC	2.822	2B	140	28	63		18	14.5		19.5	
SA522112	7/8-14UNF	1.814	2B	140	28	63		18	14.5		20.5	
SA522113	1"-8UNC	3.175	2B	160	31	66		20	16		22.3	
SA522114	1"-12UNF	2.117	2B	160	31	66		20	16		23.3	

≈DIN 371 R35° Spiral Flute Machine Taps with reinforced shank(UNC/UNF)



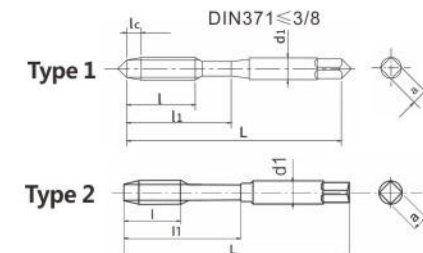
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522301	No4-40UNC	0.635	2B	56	6	18	2.5P	3.5	2.7	3	2.30	□
SA522302	No5-40UNC	0.635	2B	56	6	18		3.5	2.7		2.60	
SA522303	No6-32UNC	0.794	2B	56	7	20		4	3		2.80	
SA522304	No6-40UNF	0.635	2B	56	7	20		4	3		2.90	
SA522305	No8-32UNC	0.794	2B	63	7	21		4.5	3.4		3.40	
SA522306	No8-36UNF	0.706	2B	63	7	21		4.5	3.4		3.50	
SA522307	No10-24UNC	1.058	2B	70	10	24		6	4.9		3.90	
SA522308	No10-32UNF	0.794	2B	70	10	24		6	4.9		4.10	
SA522309	No12-24UNC	1.058	2B	80	10	24		6	4.9		4.50	
SA522310	No12-28UNF	0.907	2B	80	10	24		6	4.9		4.60	
SA522311	1/4-20UNC	1.27	2B	80	12	29		7	5.5		5.10	
SA522312	1/4-28UNF	0.907	2B	80	12	29		7	5.5		5.50	
SA522313	5/16-18UNC	1.411	2B	90	14	37		8	6.2		6.60	
SA522314	5/16-24UNF	1.058	2B	90	14	37		8	6.2		6.90	
SA522315	3/8-16UNC	1.588	2B	100	16	41		10	8		8.00	
SA522316	3/8-24UNF	1.058	2B	100	16	41		10	8		8.50	

≈DIN 376/374 R35° Spiral Flute Machine Taps with reduced shank(UNC/UNF)



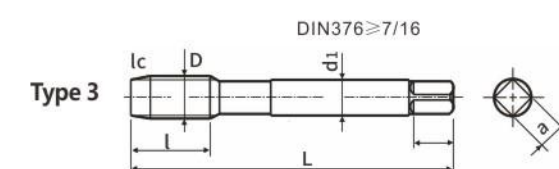
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522401	7/16-14UNC	1.814	2B	100	18	48	2.5P	8	6.2	3	9.40	□
SA522402	7/16-20UNF	1.27	2B	100	18	48		8	6.2		9.90	
SA522403	1/2-13UNC	1.954	2B	110	19	48		9	7		10.80	
SA522404	1/2-20UNF	1.27	2B	110	19	48		9	7		11.50	
SA522405	9/16-12UNC	2.117	2B	110	21	48		11	9		12.20	
SA522406	9/16-18UNF	1.411	2B	110	21	48		11	9		12.90	
SA522407	5/8-11UNC	2.309	2B	110	23	52		12	9		13.60	
SA522408	5/8-18UNF	1.411	2B	110	23	52		12	9		14.50	
SA522409	3/4-10UNC	2.54	2B	125	25	58		14	11	4	16.5	
SA522410	3/4-16UNF	1.588	2B	125	25	58		14	11		17.5	
SA522411	7/8-9UNC	2.822	2B	140	28	63		18	14.5		19.5	
SA522412	7/8-14UNF	1.814	2B	140	28	63		18	14.5		20.5	
SA522413	1"-8UNC	3.175	2B	160	31	66		20	16		22.3	
SA522414	1"-12UNF	2.117	2B	160	31	66		20	16		23.3	

≈DIN 371 R15° Spiral Flute Machine Taps with reinforced shank(UNC/UNF)



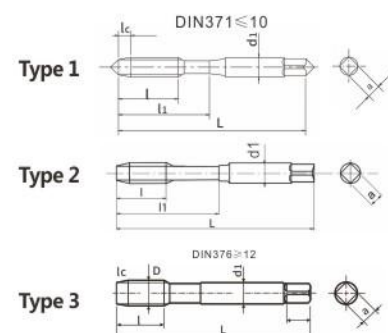
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522501	No4-40UNC	0.635	2B	56	6	18	2.5P	3.5	2.7	3	2.30	□
SA522502	No5-40UNC	0.635	2B	56	6	18		3.5	2.7		2.60	
SA522503	No6-32UNC	0.794	2B	56	7	20		4	3		2.80	
SA522504	No6-40UNF	0.635	2B	56	7	20		4	3		2.90	
SA522505	No8-32UNC	0.794	2B	63	7	21		4.5	3.4		3.40	
SA522506	No8-36UNF	0.706	2B	63	7	21		4.5	3.4		3.50	
SA522507	No10-24UNC	1.058	2B	70	10	24		6	4.9		3.90	
SA522508	No10-32UNF	0.794	2B	70	10	24		6	4.9		4.10	
SA522509	No12-24UNC	1.058	2B	80	10	24		6	4.9		4.50	
SA522510	No12-28UNF	0.907	2B	80	10	24		6	4.9		4.60	
SA522511	1/4-20UNC	1.27	2B	80	12	29		7	5.5		5.10	
SA522512	1/4-28UNF	0.907	2B	80	12	29		7	5.5		5.50	
SA522513	5/16-18UNC	1.411	2B	90	14	37		8	6.2		6.60	
SA522514	5/16-24UNF	1.058	2B	90	14	37		8	6.2		6.90	
SA522515	3/8-16UNC	1.588	2B	100	16	41		10	8		8.00	
SA522516	3/8-24UNF	1.058	2B	100	16	41		10	8		8.50	

≈DIN 376/374 R15° Spiral Flute Machine Taps with reduced shank(UNC/UNF)



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA522601	7/16-14UNC	1.814	2B	100	18	48	2.5P	8	6.2	3	9.40	□
SA522602	7/16-20UNF	1.27	2B	100	18	48		8	6.2		9.90	
SA522603	1/2-13UNC	1.954	2B	110	19	48		9	7		10.80	
SA522604	1/2-20UNF	1.27	2B	110	19	48		9	7		11.50	
SA522605	9/16-12UNC	2.117	2B	110	21	48		11	9		12.20	
SA522606	9/16-18UNF	1.411	2B	110	21	48		11	9		12.90	
SA522607	5/8-11UNC	2.309	2B	110	23	52		12	9		13.60	
SA522608	5/8-18UNF	1.411	2B	110	23	52		12	9		14.50	
SA522609	3/4-10UNC	2.54	2B	125	25	58		14	11	4	16.5	
SA522610	3/4-16UNF	1.588	2B	125	25	58		14	11		17.5	
SA522611	7/8-9UNC	2.822	2B	140	28	63		18	14.5		19.5	
SA522612	7/8-14UNF	1.814	2B	140	28	63		18	14.5		20.5	
SA522613	1"-8UNC	3.175	2B	160	31	66		20	16		22.3	
SA522614	1"-12UNF	2.117	2B	160	31	66		20	16		23.3	

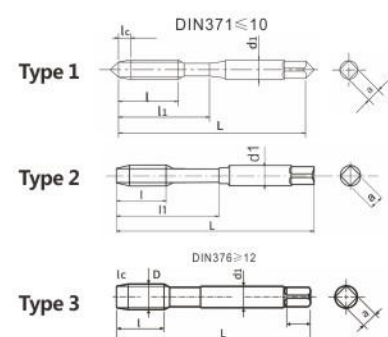
DIN371/376 Left Spiral Flute Right Cutting Machine Taps(For Aluminium alloys)



材料 HSSE Co
表面处理

产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512901-AI	M3	0.5	6H	56	11	18	5P	3.5	2.7	2	2.5	■
SA512902-AI	M4	0.7	6H	63	13	21		4.5	3.4		3.3	
SA512903-AI	M5	0.8	6H	70	16	25		6	4.9		4.2	
SA512904-AI	M6	1	6H	80	19	30		6	4.9		5	
SA512905-AI	M8	1.25	6H	90	22	35		8	6.2		6.8	
SA512906-AI	M10	1.5	6H	100	24	39		10	8		8.5	
SA512907-AI	M12	1.75	6H	110	29	/		9	7		10.3	
SA512908-AI	M14	2	6H	110	30	/		11	9		12	
SA512909-AI	M16	2	6H	110	32	/		12	9		14	
SA512910-AI	M18	2.5	6H	125	37	/		14	11		15.5	
SA512911-AI	M20	2.5	6H	140	37	/		16	12		17.5	

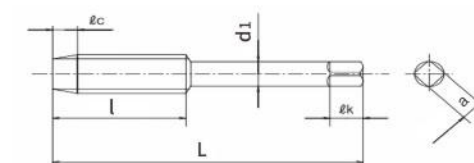
DIN371/376 R45° Spiral Flute Machine Taps(For Aluminium alloys)



材料 HSSE Co
表面处理

产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512003-AI	M3	0.5	6H	56	6	18	2.5P	3.5	2.7	2	2.5	■
SA512004-AI	M4	0.7	6H	63	9	21		4.5	3.4		3.3	
SA512005-AI	M5	0.8	6H	70	10	25		6	4.9		4.2	
SA512006-AI	M6	1	6H	80	12	30		6	4.9		5	
SA512007-AI	M8	1.25	6H	90	15	35		8	6.2		6.8	
SA512009-AI	M10	1.5	6H	100	18	39		10	8		8.5	
SA512106-AI	M12	1.75	6H	110	21	/		9	7		10.3	
SA512107-AI	M14	2	6H	110	20	/		11	9		12	
SA512108-AI	M16	2	6H	110	20	/		12	9		14	
SA512109-AI	M18	2.5	6H	125	25	/		14	11		15.5	
SA512110-AI	M20	2.5	6H	140	25	/		16	12		17.5	

DIN5156 Straight Flute Machine Taps with straight pipe thread



材料 HSSE Co

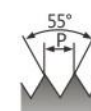
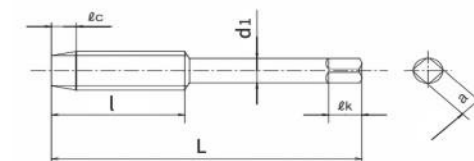
表面处理

TIN

单位 Unit: mm

产品编号 Code	规格 Size	基本直径 d	螺距 P 牙数/时 mm	总长 L	螺纹长度 l	柄部直径 d1	切削锥长度 lc	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA872001	G 1/16-28	7.723	28 0.907	90	22	6	4P	4.9	3	6.7	■
SA872002	G 1/8-28	9.728	28 0.907	90	20	7		5.5		8.7	
SA872003	G 1/4-19	13.157	19 1.337	100	22	11		9		11.7	
SA872004	G 3/8-19	16.662	19 1.337	100	22	12		9		15.2	
SA872005	G 1/2-14	20.955	14 1.814	125	25	16		12		19	
SA872006	G 3/4-14	26.411	14 1.814	140	28	20		16		24.5	
SA872007	G 1-11	33.249	11 2.309	160	30	25		20		30.6	

DIN5156 Spiral Flute Machine Taps with straight pipe thread



材料 HSSE Co

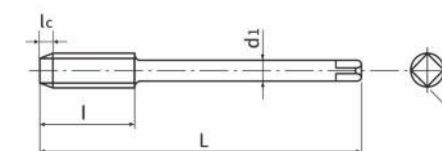
表面处理

TIN

单位 Unit: mm

产品编号 Code	规格 Size	基本直径 d	螺距 P 牙数/时 mm	总长 L	螺纹长度 l	柄部直径 d1	切削锥长度 lc	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA572001	G 1/16-28	7.723	28 0.907	90	22	6	2.5P	4.9	3	6.7	■
SA572002	G 1/8-28	9.728	28 0.907	90	20	7		5.5		8.7	
SA572003	G 1/4-19	13.157	19 1.337	100	22	11		9		11.7	
SA572004	G 3/8-19	16.662	19 1.337	100	22	12		9		15.2	
SA572005	G 1/2-14	20.955	14 1.814	125	25	16		12		19	
SA572006	G 3/4-14	26.411	14 1.814	140	28	20		16		24.5	
SA572007	G 1-11	33.249	11 2.309	160	30	25		20		30.6	

DIN5156 Spiral Point Machine Taps with straight pipe thread



材料 HSSE Co

表面处理

TIN

单位 Unit: mm

产品编号 Code	规格 Size	基本直径 d	螺距 P 牙数/时 mm	总长 L	螺纹长度 l	柄部直径 d1	切削锥长度 lc	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA672001	G 1/16-28	7.723	28 0.907	90	22	6	5P	4.9	3	6.7	■
SA672002	G 1/8-28	9.728	28 0.907	90	20	7		5.5		8.7	
SA672003	G 1/4-19	13.157	19 1.337	100	22	11		9		11.7	
SA672004	G 3/8-19	16.662	19 1.337	100	22	12		9		15.2	
SA672005	G 1/2-14	20.955	14 1.814	125	25	16		12		19	
SA672006	G 3/4-14	26.411	14 1.814	140	28	20		16		24.5	
SA672007	G 1-11	33.249	11 2.309	160	30	25		20		30.6	

DIN5156 Straight Flute Machine Taps with taper pipe thread



RC

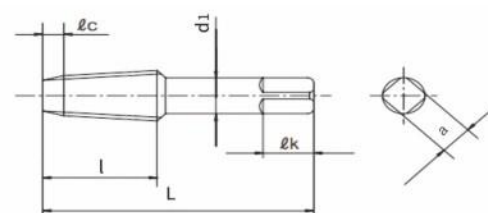
C2.5P

RH

材料 material
HSSE Co

表面处理 surface treatment

TiN



单位 Unit: mm

产品编号 Code	规格 Size	基本直径 d	螺距 P		总长 L	螺纹长度 l	基面距 lg	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	库存状态 Stock
			牙数/吋	mm								
SA882001	Rc 1/16-28	7.723	28	0.907	90	18	10.1	2. 5P	6	4.9	3	■
SA882002	Rc 1/8-28	9.728			90	19	13		7	5.5		
SA882003	Rc 1/4-19	13.157	19	1.337	100	28	21		11	9	4	
SA882004	Rc 3/8-19	16.662			100	28	21		12	9		
SA882005	Rc 1/2-14	20.955	14	1.814	125	35	25		16	12		
SA882006	Rc 3/4-14	26.441			140	35	25		20	16		
SA882007	Rc 1-11	33.249	11	2.309	160	45	32		25	20		

DIN5156 Straight Flute Machine Taps with straight pipe thread



NPS

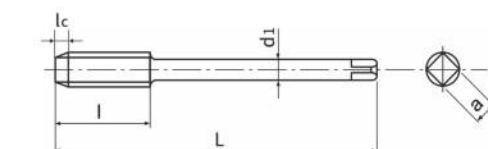
D1/4P

RH

材料 material
HSSE Co

表面处理 surface treatment

TiN



单位 Unit: mm

产品编号 Code	规格 Size	基本直径 d	螺距 P		总长 L	螺纹长度 l	柄部直径 d1	切削锥长度 lc	方厚 a	槽数 Flute	库存状态 Stock
			牙数/吋	mm							
SA852001	NPSC 1/8-27	10.242	27	0.941	90	20	7	4P	5.5	8.7	■
SA852002	NPSC 1/4-18	13.616	18	1.411	100	22	11		9	11.4	
SA852003	NPSC 3/8-18	17.055			100	22	12		9	14.8	
SA852004	NPSC 1/2-14	21.223			125	25	16		12	18.4	
SA852005	NPSC 3/4-14	26.568	14	1.814	140	28	20		16	23.7	
SA852006	NPSC 1-11.5	33.227			160	30	25		20	29.8	

DIN5156 Straight Flute Machine Taps with taper pipe thread



NPT

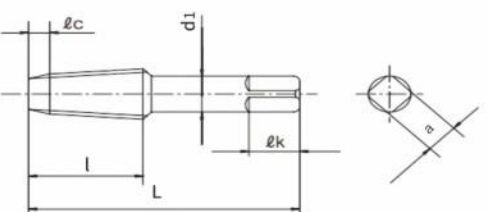
C2.5P

RH

材料 material
HSSE Co

表面处理 surface treatment

TiN



单位 Unit: mm

产品编号 Code	规格 Size	螺距 P		总长 L	螺纹长度 l	基面距 lg	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	库存状态 Stock
		牙数/吋	mm								
SA862001	NPT 1/16-27	27	0.941	90	18	12.0	2.5P	6.0	4.9	3	■
SA862002	NPT 1/8-27			90	19	12.1		7.0	5.5		
SA862003	NPT 1/4-18			100	28	17.4		11.0	9		
SA862004	NPT 3/8-18	18	1.411	100	28	17.6		12.0	9	4	
SA862005	NPT 1/2-14			125	35	22.9		16.0	12		
SA862006	NPT 3/4-14			140	35	22.9		20.0	16		
SA862007	NPT 1-11.5	11.5	2.209	160	45	27.4		25.0	20		

DIN Extra-long Spiral Point Machine Taps



M

6H

max.3xD

B/SP

RH

材料 material
HSSE Co

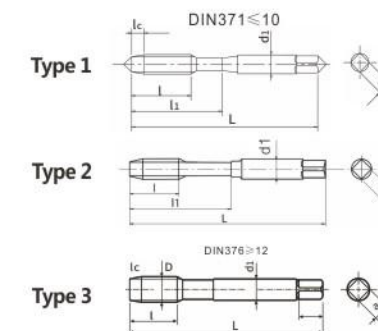
表面处理 surface treatment

TiN

TiCN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA612003-LS	M3*100	0.5	6H	100	11	19	5P	3.5	2.7	3	2.5	■
SA612004-LS	M4*125	0.7		125	13	21		4.5	3.4		3.3	
SA612005-LS	M5*140	0.8		140	16	24		6	4.9		4.2	
SA612006-LS	M6*160	1		160	19	29		6	4.9		5	
SA612007-LS	M8*180	1.25		180	22	37		8	6.2		6.8	
SA612009-LS	M10*200	1.5		200	24	41		10	8		8.5	
SA612103-LS	M6*160	1		160	19	29		4.5	3.4		5	
SA612104-LS	M8*180	1.25		180	22	37		6	4.9		6.8	
SA612105-LS	M10*200	1.5		200	24	41		7	5.5		8.5	
SA612106-LS	M12*200	1.75		200	29	48		9	7		10.3	
SA612107-LS	M14*200	2		200	30	48		11	9		12	
SA612108-LS	M16*200	2		200	32	52		12	9		14	



DIN Extra-long Spiral Flute Machine Taps



M

6H

R 35°

max.2.5xD

C2.5P

RH

材料 material
HSSE Co

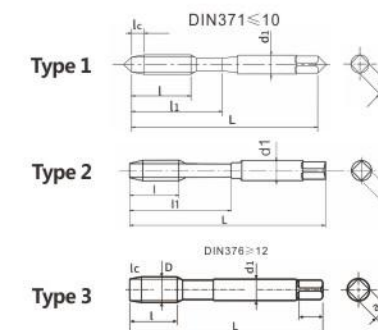
表面处理 surface treatment

TiN

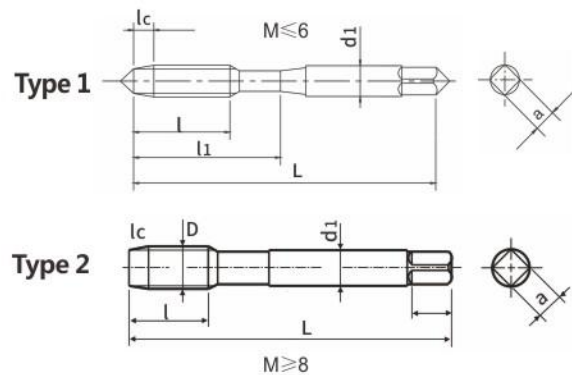
TiCN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA512003-LS	M3*100	0.5	6H	100	6	19	2.5P	3.5	2.7	3	2.5	■
SA512004-LS	M4*125	0.7		125	9	21		4.5	3.4		3.3	
SA512005-LS	M5*140	0.8		140	10	24		6	4.9		4.2	
SA512006-LS	M6*160	1		160	12	29		6	4.9		5	
SA512007-LS	M8*180	1.25		180	15	37		8	6.2		6.8	
SA512009-LS	M10*200	1.5		200	18	41		10	8		8.5	
SA512103-LS	M6*160	1		160	12	29		4.5	3.4		5	
SA512104-LS	M8*180	1.25		180	15	37		6	4.9		6.8	
SA512105-LS	M10*200	1.5		200	18	41		7	5.5		8.5	
SA512106-LS	M12*200	1.75		200	21	48		9	7		10.3	
SA512107-LS	M14*200	2		200	24	48		11	9		12	
SA512108-LS	M16*200	2		200	24	52		12	9		14	

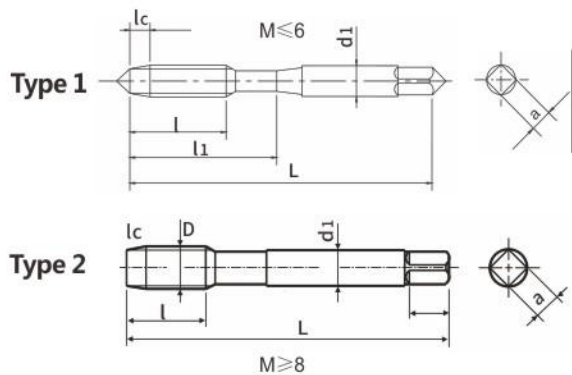


JIS Straight Flute Machine Taps



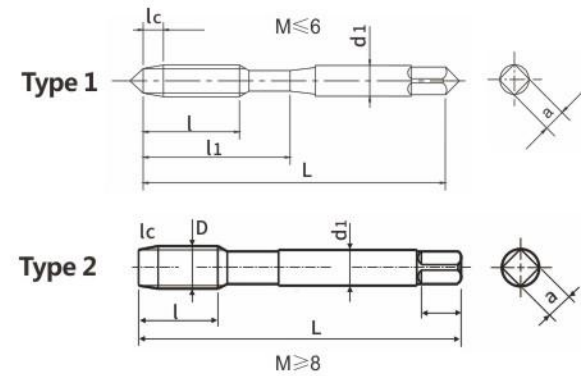
60° P M MF OH max.2xD C2.5P D4P RH 材料 material HSSE Co 表面处理 surface treatment TiN TiCN TiAlN 单位 Unit: mm													
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock	
SA813001	M2	0.4	OH2	40	8	13	2.5P/4P	3	2.5	3	1.6	■	
SA813002	M2.5	0.45	OH2	44	9	15		3	2.5		2.1		
SA813003	M3	0.5	OH2	46	11	19		4	3.2		2.5		
SA813004	M4	0.7	OH3	52	13	21		5	4		3.3		
SA813005	M5	0.8	OH3	60	16	24		5.5	4.5		4.2		
SA813006	M6	1	OH3	62	19	29		6	4.5		5		
SA813007	M8	1.25	OH3	70	22	37		6.2	5		6.8		
SA813008	MF8*1	1	OH2	70	22	37		6.2	5		7		
SA813009	M10	1.5	OH3	75	24	41		7	5.5		8.5		
SA813010	MF10*1	1	OH2	75	24	41		7	5.5		9		
SA813011	MF10*1.25	1.25	OH3	75	24	41		7	5.5	8.8			
SA813012	M12	1.75	OH4	82	29	48		8.5	6.5	10.3			
SA813013	MF12*1	1	OH2	82	29	48		8.5	6.5	11			
SA813014	MF12*1.25	1.25	OH3	82	29	48		8.5	6.5	10.8			
SA813015	MF12*1.5	1.5	OH3	82	29	48		8.5	6.5	10.5			
SA813016	M14	2	OH4	88	30	48		10.5	8	12			
SA813017	MF14*1.5	1.5	OH3	88	30	48		10.5	8	12.5			
SA813018	M16	2	OH4	95	32	52		12.5	10	14			
SA813019	MF16*1.5	1.5	OH3	95	32	52		12.5	10	14.5			
SA813020	M18	2.5	OH5	100	37	55		14	11	15.5			
SA813021	MF18*1.5	1.5	OH4	100	37	55		14	11	16.5			
SA813022	M20	2.5	OH5	105	37	58		15	12	17.5			
SA813023	MF20*1.5	1.5	OH4	105	37	58		15	12	18.5			
SA813024	M22	2.5	OH5	115	38	63		17	13	19.5			
SA813025	MF22*1.5	1.5	OH4	115	38	63		17	13	20.5			
SA813026	M24	3	OH5	120	45	66		19	15	21			
SA813027	MF24*1.5	1.5	OH4	120	45	66		19	15	22.5			

JIS Spiral Point Machine Taps



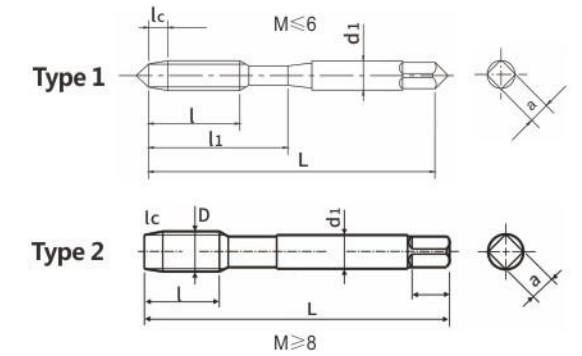
60° P M MF OH max.3xD B/SP RH 材料material HSSECo 表面处理surface treatment TiN TiCN TiAlN 单位Unit: mm														产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
														SA613001	M2	0.4	OH2	40	8	13	5P	3	2.5	3	1.6	■
														SA613002	M2.5	0.45	OH2	44	9	15		3	2.5		2.1	
														SA613003	M3	0.5	OH2	46	11	19		4	3.2		2.5	
														SA613004	M4	0.7	OH3	52	13	21		5	4		3.3	
														SA613005	M5	0.8	OH3	60	16	24		5.5	4.5		4.2	
														SA613006	M6	1	OH3	62	19	29		6	4.5		5	
														SA613007	M8	1.25	OH3	70	22	37		6.2	5		6.8	
														SA613008	MF8*1	1	OH2	70	22	37		6.2	5		7	
														SA613009	M10	1.5	OH3	75	24	41		7	5.5		8.5	
														SA613010	MF10*1	1	OH2	75	24	41		7	5.5		9	
														SA613011	MF10*1.25	1.25	OH3	75	24	41		7	5.5		8.8	
														SA613012	M12	1.75	OH4	82	29	48		8.5	6.5		10.3	
														SA613013	MF12*1	1	OH2	82	29	48		8.5	6.5		11	
														SA613014	MF12*1.25	1.25	OH3	82	29	48		8.5	6.5		10.8	
														SA613015	MF12*1.5	1.5	OH3	82	29	48		8.5	6.5		10.5	
														SA613016	M14	2	OH4	88	30	48		10.5	8		12	
														SA613017	MF14*1.5	1.5	OH3	88	30	48		10.5	8		12.5	
														SA613018	M16	2	OH4	95	32	52		12.5	10		14	
														SA613019	MF16*1.5	1.5	OH3	95	32	52		12.5	10		14.5	
														SA613020	M18	2.5	OH5	100	37	55		14	11		15.5	
														SA613021	MF18*1.5	1.5	OH4	100	37	55	14	11	16.5			
														SA613022	M20	2.5	OH5	105	37	58	15	12	17.5			
														SA613023	MF20*1.5	1.5	OH4	105	37	58	15	12	18.5			
														SA613024	M22	2.5	OH5	115	38	63	17	13	19.5			
														SA613025	MF22*1.5	1.5	OH4	115	38	63	17	13	20.5			
														SA613026	M24	3	OH5	120	45	66	19	15	21			
														SA613027	MF24*1.5	1.5	OH4	120	45	66	19	15	22.5			

JIS R45° Spiral Flute Machine Taps



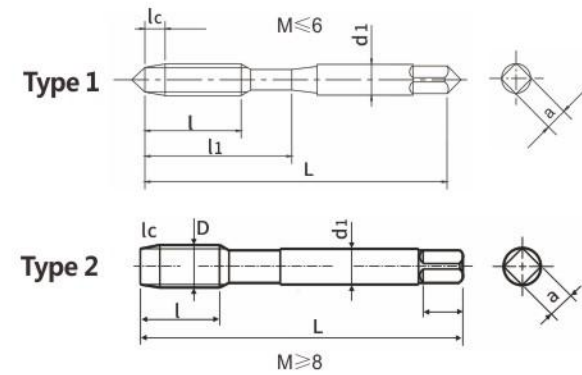
60° P M MF OH R 45° max.3xD C/2.5P RH 材料materialHSSECo 表面处理surface treatmentTINTiCNTiAlN 单位Unit: mm													产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA513001	M2	0.4	OH2	40	6	13	2.5P	3	2.5	3	1.6	■													
SA513002	M2.5	0.45	OH2	44	6	15		3	2.5		2.1														
SA513003	M3	0.5	OH2	46	6	19		4	3.2		2.5														
SA513004	M4	0.7	OH3	52	9	21		5	4		3.3														
SA513005	M5	0.8	OH3	60	10	24		5.5	4.5		4.2														
SA513006	M6	1	OH3	62	12	29		6	4.5		5														
SA513007	M8	1.25	OH3	70	15	37		6.2	5		6.8														
SA513008	MF8*1	1	OH2	70	15	37		6.2	5		7														
SA513009	M10	1.5	OH3	75	18	41		7	5.5		8.5														
SA513010	MF10*1	1	OH2	75	15	41		7	5.5		9														
SA513011	MF10*1.25	1.25	OH3	75	18	41		7	5.5	8.8															
SA513012	M12	1.75	OH4	82	21	48		8.5	6.5	10.3															
SA513013	MF12*1	1	OH2	82	18	48		8.5	6.5	11															
SA513014	MF12*1.25	1.25	OH3	82	21	48		8.5	6.5	10.8															
SA513015	MF12*1.5	1.5	OH3	82	21	48		8.5	6.5	10.5															
SA513016	M14	2	OH4	88	20	48		10.5	8	12															
SA513017	MF14*1.5	1.5	OH3	88	20	48		10.5	8	12.5															
SA513018	M16	2	OH4	95	20	52		12.5	10	14															
SA513019	MF16*1.5	1.5	OH3	95	20	52		12.5	10	14.5															
SA513020	M18	2.5	OH5	100	25	55		14	11	15.5															
SA513021	MF18*1.5	1.5	OH4	100	25	55		14	11	16.5															
SA513022	M20	2.5	OH5	105	25	58		15	12	17.5															
SA513023	MF20*1.5	1.5	OH4	105	25	58		15	12	18.5															
SA513024	M22	2.5	OH5	115	25	63		17	13	19.5															
SA513025	MF22*1.5	1.5	OH4	115	25	63		17	13	20.5															
SA513026	M24	3	OH5	120	30	66		19	15	21															
SA513027	MF24*1.5	1.5	OH4	120	24	66		19	15	22.5															

JIS R35° Spiral Flute Machine Taps



60° P M MF OH R 35° max.2.5xD C/2.5P RH 材料materialHSSECo 表面处理surface treatment TiN TiCN TiAlN 单位Unit: mm												
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA513301	M2	0.4	OH2	40	6	13	2.5P	3	2.5	3	1.6	0
SA513302	M2.5	0.45	OH2	44	6	15		3	2.5		2.1	
SA513303	M3	0.5	OH2	46	6	19		4	3.2		2.5	
SA513304	M4	0.7	OH3	52	9	21		5	4		3.3	
SA513305	M5	0.8	OH3	60	10	24		5.5	4.5		4.2	
SA513306	M6	1	OH3	62	12	29		6	4.5		5	
SA513307	M8	1.25	OH3	70	15	37		6.2	5		6.8	
SA513308	MF8*1	1	OH2	70	15	37		6.2	5		7	
SA513309	M10	1.5	OH3	75	18	41		7	5.5		8.5	
SA513310	MF10*1	1	OH2	75	15	41		7	5.5		9	
SA513311	MF10*1.25	1.25	OH3	75	18	41		7	5.5	8.8		
SA513312	M12	1.75	OH4	82	21	48		8.5	6.5	10.3		
SA513313	MF12*1	1	OH2	82	18	48		8.5	6.5	11		
SA513314	MF12*1.25	1.25	OH3	82	21	48		8.5	6.5	10.8		
SA513315	MF12*1.5	1.5	OH3	82	21	48		8.5	6.5	10.5		
SA513316	M14	2	OH4	88	20	48		10.5	8	12		
SA513317	MF14*1.5	1.5	OH3	88	20	48		10.5	8	12.5		
SA513318	M16	2	OH4	95	20	52		12.5	10	14		
SA513319	MF16*1.5	1.5	OH3	95	20	52		12.5	10	14.5		
SA513320	M18	2.5	OH5	100	25	55		14	11	4	15.5	
SA513321	MF18*1.5	1.5	OH4	100	25	55		14	11		16.5	
SA513322	M20	2.5	OH5	105	25	58		15	12		17.5	
SA513323	MF20*1.5	1.5	OH4	105	25	58		15	12		18.5	
SA513324	M22	2.5	OH5	115	25	63		17	13		19.5	
SA513325	MF22*1.5	1.5	OH4	115	25	63		17	13		20.5	
SA513326	M24	3	OH5	120	30	66		19	15		21	
SA513327	MF24*1.5	1.5	OH4	120	24	66		19	15	22.5		

JIS R15° Spiral Flute Machine Taps



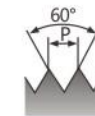
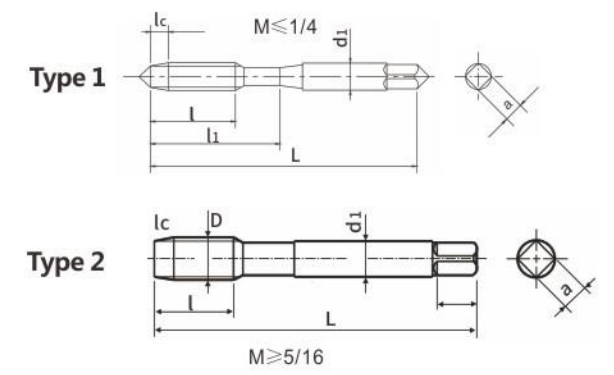
材料 material HSSE Co

表面处理 surface treatment TIN TiCN TiAlN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA513501	M2	0.4	OH2	40	6	13	2.5P	3	2.5	3	1.6	D
SA513502	M2.5	0.45	OH2	44	6	15		3	2.5		2.1	
SA513503	M3	0.5	OH2	46	6	19		4	3.2		2.5	
SA513504	M4	0.7	OH3	52	9	21		5	4		3.3	
SA513505	M5	0.8	OH3	60	10	24		5.5	4.5		4.2	
SA513506	M6	1	OH3	62	12	29		6	4.5		5	
SA513507	M8	1.25	OH3	70	15	37		6.2	5		6.8	
SA513508	MF8*1	1	OH2	70	15	37		6.2	5		7	
SA513509	M10	1.5	OH3	75	18	41		7	5.5		8.5	
SA513510	MF10*1	1	OH2	75	15	41		7	5.5		9	
SA513511	MF10*1.25	1.25	OH3	75	18	41		7	5.5		8.8	
SA513512	M12	1.75	OH4	82	21	48		8.5	6.5		10.3	
SA513513	MF12*1	1	OH2	82	18	48		8.5	6.5		11	
SA513514	MF12*1.25	1.25	OH3	82	21	48		8.5	6.5		10.8	
SA513515	MF12*1.5	1.5	OH3	82	21	48		8.5	6.5		10.5	
SA513516	M14	2	OH4	88	20	48		10.5	8		12	
SA513517	MF14*1.5	1.5	OH3	88	20	48		10.5	8		12.5	
SA513518	M16	2	OH4	95	20	52		12.5	10		14	
SA513519	MF16*1.5	1.5	OH3	95	20	52		12.5	10		14.5	
SA513520	M18	2.5	OH5	100	25	55	4	14	11	4	15.5	
SA513521	MF18*1.5	1.5	OH4	100	25	55		14	11		16.5	
SA513522	M20	2.5	OH5	105	25	58		15	12		17.5	
SA513523	MF20*1.5	1.5	OH4	105	25	58		15	12		18.5	
SA513524	M22	2.5	OH5	115	25	63		17	13		19.5	
SA513525	MF22*1.5	1.5	OH4	115	25	63		17	13		20.5	
SA513526	M24	3	OH5	120	30	66		19	15		21	
SA513527	MF24*1.5	1.5	OH4	120	24	66		19	15		22.5	

JIS Spiral Point Machine Taps (UNC/UNF)



材料 material HSSE Co

表面处理 surface treatment

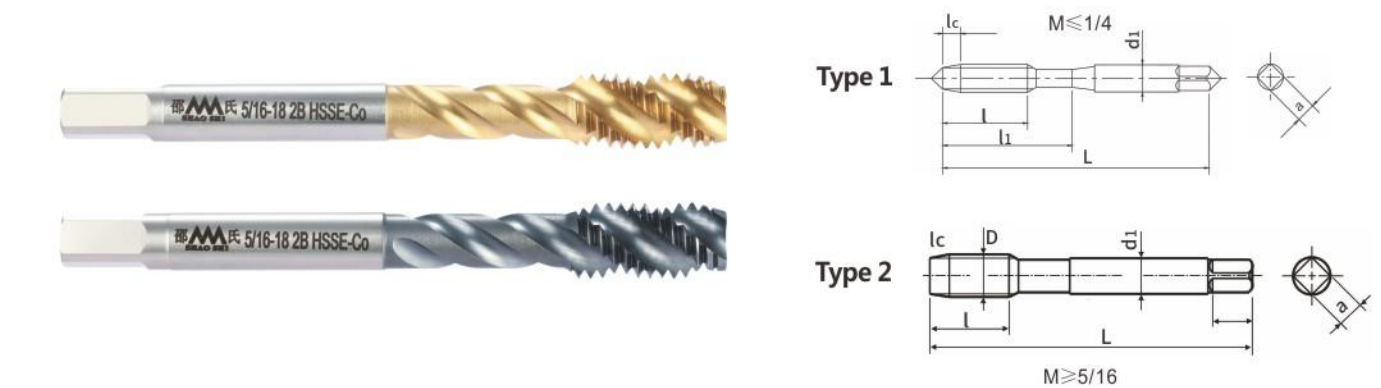
TIN TiCN TiAlN

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA623001	No4-40UNC	0.635	2B	44	11	18	5P	3	2.5	3	2.30	D
SA623002	No5-40UNC	0.635	2B	46	11	18		4	3.2		2.60	
SA623003	No6-32UNC	0.794	2B	48	12	20		4	3.2		2.80	
SA623004	No6-40UNF	0.635	2B	48	12	20		4	3.2		2.90	
SA623005	No8-32UNC	0.794	2B	52	13	21		5	4		3.40	
SA623006	No8-36UNF	0.706	2B	52	13	21		5	4		3.50	
SA623007	No10-24UNC	1.058	2B	60	16	24		5.5	4.5		3.90	
SA623008	No10-32UNF	0.794	2B	60	16	24		5.5	4.5		4.10	
SA623009	No12-24UNC	1.058	2B	60	17	25		5.5	4.5		4.50	
SA623010	No12-28UNF	0.907	2B	60	17	25		5.5	4.5		4.60	
SA623011	1/4-20UNC	1.27	2B	62	19	29		6	4.5		5.10	
SA623012	1/4-28UNF	0.907	2B	62	19	29		6	4.5		5.50	
SA623013	5/16-18UNC	1.411	2B	70	22	37		6.1	5		6.60	
SA623014	5/16-24UNF	1.058	2B	70	22	37		6.1	5		6.90	
SA623015	3/8-16UNC	1.588	2B	75	24	41		7	5.5		8.00	
SA623016	3/8-24UNF	1.058	2B	75	24	41		7	5.5		8.50	
SA623017	7/16-14UNC	1.814	2B	80	25	48		8	6		9.40	
SA623018	7/16-20UNF	1.27	2B	80	25	48		8	6		9.90	
SA623019	1/2-13UNC	1.954	2B	85	29	48	4	9	7	4	10.80	
SA623020	1/2-20UNF	1.27	2B	85	29	48		9	7		11.50	
SA623021	9/16-12UNC	2.117	2B	90	30	48		10.5	8		12.20	
SA623022	9/16-18UNF	1.411	2B	90	30	48		10.5	8		12.90	
SA623023	5/8-11UNC	2.309	2B	95	32	52		12	9		13.60	
SA623024	5/8-18UNF	1.411	2B	95	32	52		12	9		14.50	
SA623025	3/4-10UNC	2.54	2B	105	37	58		14	11		16.5	
SA623026	3/4-16UNF	1.588	2B	105	37	58		14	11		17.5	
SA623027	7/8-9UNC	2.822	2B	115	38	63		17	13		19.5	
SA623028	7/8-14UNF	1.814	2B	115	38	63		17	13		20.5	
SA623029	1"-8UNC	3.175	2B	125	45	66		20	15		22.3	
SA623030	1"-12UNF	2.117	2B	125	45	66		20	15		23.3	

JIS R45° Spiral Flute Machine Taps (UNC/UNF)

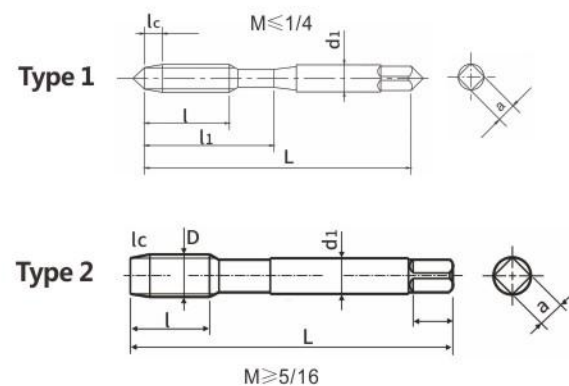
JIS R35° Spiral Flute Machine Taps (UNC/UNF)



60° P UNCUNF2BR45°max.2.5xD0.2SPRH 材料HSSECo 表面处理TINTICNTiAIN 单位Unit: mm													
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock	
SA523001	No4-40UNC	0.635	2B	44	6	18	2.5P	3	2.5	3	2.30	□	
SA523002	No5-40UNC	0.635	2B	46	6	18		4	3.2		2.60		
SA523003	No6-32UNC	0.794	2B	48	7	20		4	3.2		2.80		
SA523004	No6-40UNF	0.635	2B	48	7	20		4	3.2		2.90		
SA523005	No8-32UNC	0.794	2B	52	7	21		5	4		3.40		
SA523006	No8-36UNF	0.706	2B	52	7	21		5	4		3.50		
SA523007	No10-24UNC	1.058	2B	60	10	24		5.5	4.5		3.90		
SA523008	No10-32UNF	0.794	2B	60	10	24		5.5	4.5		4.10		
SA523009	No12-24UNC	1.058	2B	60	10	24		5.5	4.5		4.50		
SA523010	No12-28UNF	0.907	2B	60	10	24		5.5	4.5		4.60		
SA523011	1/4-20UNC	1.27	2B	62	12	29		6	4.5		5.10		
SA523012	1/4-28UNF	0.907	2B	62	12	29		6	4.5		5.50		
SA523013	5/16-18UNC	1.411	2B	70	14	37		6.1	5		6.60		
SA523014	5/16-24UNF	1.058	2B	70	14	37		6.1	5		6.90		
SA523015	3/8-16UNC	1.588	2B	75	16	41		7	5.5	4	8.00		
SA523016	3/8-24UNF	1.058	2B	75	16	41		7	5.5		8.50		
SA523017	7/16-14UNC	1.814	2B	80	18	48		8	6		9.40		
SA523018	7/16-20UNF	1.27	2B	80	18	48		8	6		9.90		
SA523019	1/2-13UNC	1.954	2B	85	19	48		9	7		10.80		
SA523020	1/2-20UNF	1.27	2B	85	19	48		9	7		11.50		
SA523021	9/16-12UNC	2.117	2B	90	21	48		10.5	8		12.20		
SA523022	9/16-18UNF	1.411	2B	90	21	48		10.5	8		12.90		
SA523023	5/8-11UNC	2.309	2B	95	23	52		12	9		13.60		
SA523024	5/8-18UNF	1.411	2B	95	23	52		12	9		14.50		
SA523025	3/4-10UNC	2.54	2B	105	25	58	2.5P	14	11	4	16.5		
SA523026	3/4-16UNF	1.588	2B	105	25	58		14	11		17.5		
SA523027	7/8-9UNC	2.822	2B	115	28	63		17	13		19.5		
SA523028	7/8-14UNF	1.814	2B	115	28	63		17	13		20.5		
SA523029	1"-8UNC	3.175	2B	125	31	66		20	15		22.3		
SA523030	1"-12UNF	2.117	2B	125	31	66		20	15		23.3		

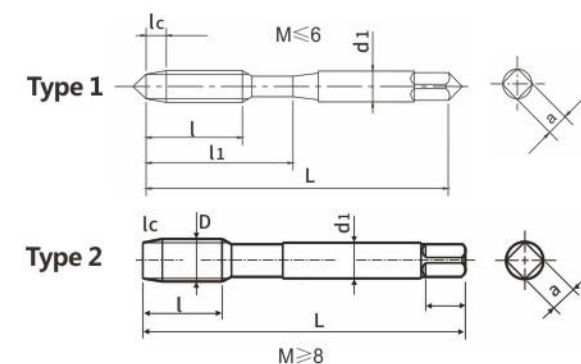
60° P UNCUNF2BR35°max.2.5xD0.2SPRH 材料HSSECo 表面处理TINTICNTiAIN 单位Unit: mm													
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock	
SA523301	No4-40UNC	0.635	2B	44	6	18	2.5P	3	2.5	3	2.30	□	
SA523302	No5-40UNC	0.635	2B	46	6	18		4	3.2		2.60		
SA523303	No6-32UNC	0.794	2B	48	7	20		4	3.2		2.80		
SA523304	No6-40UNF	0.635	2B	48	7	20		4	3.2		2.90		
SA523305	No8-32UNC	0.794	2B	52	7	21		5	4		3.40		
SA523306	No8-36UNF	0.706	2B	52	7	21		5	4		3.50		
SA523307	No10-24UNC	1.058	2B	60	10	24		5.5	4.5		3.90		
SA523308	No10-32UNF	0.794	2B	60	10	24		5.5	4.5		4.10		
SA523309	No12-24UNC	1.058	2B	60	10	24		5.5	4.5		4.50		
SA523310	No12-28UNF	0.907	2B	60	10	24		5.5	4.5		4.60		
SA523311	1/4-20UNC	1.27	2B	62	12	29		6	4.5		5.10		
SA523312	1/4-28UNF	0.907	2B	62	12	29		6	4.5		5.50		
SA523313	5/16-18UNC	1.411	2B	70	14	37		6.1	5		6.60		
SA523314	5/16-24UNF	1.058	2B	70	14	37		6.1	5		6.90		
SA523315	3/8-16UNC	1.588	2B	75	16	41		7	5.5	4	8.00		
SA523316	3/8-24UNF	1.058	2B	75	16	41		7	5.5		8.50		
SA523317	7/16-14UNC	1.814	2B	80	18	48		8	6		9.40		
SA523318	7/16-20UNF	1.27	2B	80	18	48		8	6		9.90		
SA523319	1/2-13UNC	1.954	2B	85	19	48		9	7		10.80		
SA523320	1/2-20UNF	1.27	2B	85	19	48		9	7		11.50		
SA523321	9/16-12UNC	2.117	2B	90	21	48		10.5	8		12.20		
SA523322	9/16-18UNF	1.411	2B	90	21	48		10.5	8		12.90		
SA523323	5/8-11UNC	2.309	2B	95	23	52		12	9		13.60		
SA523324	5/8-18UNF	1.411	2B	95	23	52		12	9		14.50		
SA523325	3/4-10UNC	2.54	2B	105	25	58	2.5P	14	11	4	16.5		
SA523326	3/4-16UNF	1.588	2B	105	25	58		14	11		17.5		
SA523327	7/8-9UNC	2.822	2B	115	28	63		17	13		19.5		
SA523328	7/8-14UNF	1.814	2B	115	28	63		17	13		20.5		
SA523329	1"-8UNC	3.175	2B	125	31	66		20	15		22.3		
SA523330	1"-12UNF	2.117	2B	125	31	66		20	15		23.3		

JIS R15° Spiral Flute Machine Taps (UNC/UNF)



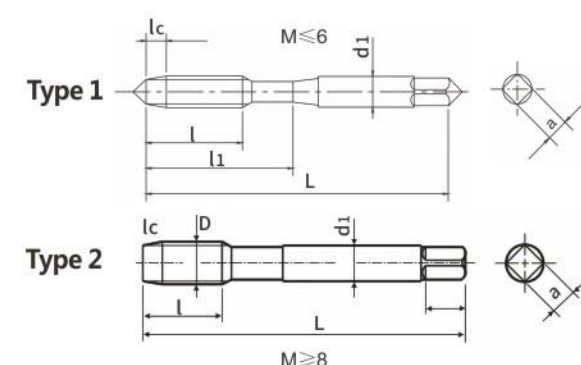
60° P UNC UNF 2B R 15° max.2xD C/2.5P RH 材料HSSECo 表面处理TINTICNTiAlN 单位Unit: mm												
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA523501	No4-40UNC	0.635	2B	44	6	18	2.5P	3	2.5	3	2.30	■
SA523502	No5-40UNC	0.635	2B	46	6	18		4	3.2		2.60	
SA523503	No6-32UNC	0.794	2B	48	7	20		4	3.2		2.80	
SA523504	No6-40UNF	0.635	2B	48	7	20		4	3.2		2.90	
SA523505	No8-32UNC	0.794	2B	52	7	21		5	4		3.40	
SA523506	No8-36UNF	0.706	2B	52	7	21		5	4		3.50	
SA523507	No10-24UNC	1.058	2B	60	10	24		5.5	4.5		3.90	
SA523508	No10-32UNF	0.794	2B	60	10	24		5.5	4.5		4.10	
SA523509	No12-24UNC	1.058	2B	60	10	24		5.5	4.5		4.50	
SA523510	No12-28UNF	0.907	2B	60	10	24		5.5	4.5		4.60	
SA523511	1/4-20UNC	1.27	2B	62	12	29		6	4.5		5.10	
SA523512	1/4-28UNF	0.907	2B	62	12	29		6	4.5		5.50	
SA523513	5/16-18UNC	1.411	2B	70	14	37		6.1	5		6.60	
SA523514	5/16-24UNF	1.058	2B	70	14	37		6.1	5		6.90	
SA523515	3/8-16UNC	1.588	2B	75	16	41		7	5.5		8.00	
SA523516	3/8-24UNF	1.058	2B	75	16	41		7	5.5		8.50	
SA523517	7/16-14UNC	1.814	2B	80	18	48		8	6		9.40	
SA523518	7/16-20UNF	1.27	2B	80	18	48		8	6		9.90	
SA523519	1/2-13UNC	1.954	2B	85	19	48		9	7		10.80	
SA523520	1/2-20UNF	1.27	2B	85	19	48		9	7		11.50	
SA523521	9/16-12UNC	2.117	2B	90	21	48		10.5	8		12.20	
SA523522	9/16-18UNF	1.411	2B	90	21	48		10.5	8		12.90	
SA523523	5/8-11UNC	2.309	2B	95	23	52	4	12	9	4	13.60	■
SA523524	5/8-18UNF	1.411	2B	95	23	52		12	9		14.50	
SA523525	3/4-10UNC	2.54	2B	105	25	58		14	11		16.5	
SA523526	3/4-16UNF	1.588	2B	105	25	58		14	11		17.5	
SA523527	7/8-9UNC	2.822	2B	115	28	63		17	13		19.5	
SA523528	7/8-14UNF	1.814	2B	115	28	63		17	13		20.5	
SA523529	1"-8UNC	3.175	2B	125	31	66		20	15		22.3	
SA523530	1"-12UNF	2.117	2B	125	31	66		20	15		23.3	

JIS Extra-long Spiral Point Machine Taps



60° P M OH max.3xD B/5P RH 材料HSSECo 表面处理TINTICN 单位Unit: mm												
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA613801	M3*100	0.5	OH2	100	11	19	5P	4	3.2	3	2.5	■
SA613802	M4*100	0.7	OH3	100	13	21		5	4		3.3	
SA613803	M5*100	0.8	OH3	100	16	24		5.5	4.5		4.2	
SA613804	M6*100	1	OH3	100	19	29		6	4.5		5	
SA613805	M6*150	1	OH3	150	19	29		6	4.5		5	
SA613806	M8*100	1.25	OH3	100	22	37		6.2	5		6.8	
SA613807	M8*150	1.25	OH3	150	22	37		6.2	5		6.8	
SA613808	M10*100	1.5	OH3	100	24	41		7	5.5		8.5	
SA613809	M10*150	1.5	OH3	150	24	41		7	5.5		8.5	
SA613810	M12*100	1.75	OH4	100	29	48		8.5	6.5		10.3	
SA613811	M12*150	1.75	OH4	150	29	48		8.5	6.5		10.3	
SA613812	M14*150	2	OH4	150	30	48		10.5	8		12	
SA613813	M16*150	2	OH4	150	32	52		12.5	10		14	

JIS Extra-long Spiral Flute Machine Taps



60° P M OH max.2.5xD C/2.5P RH 材料HSSECo 表面处理TINTICN 单位Unit: mm												
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SA513801	M3*100	0.5	OH2	100	6	19	2.5P	4	3.2	3	2.5	■
SA513802	M4*100	0.7	OH3	100	9	21		5	4		3.3	
SA513803	M5*100	0.8	OH3	100	10	24		5.5	4.5		4.2	
SA513804	M6*100	1	OH3	100	12	29		6	4.5		5	
SA513805	M6*150	1	OH3	150	12	29		6	4.5		5	
SA513806	M8*100	1.25	OH3	100	15	37		6.2	5		6.8	
SA513807	M8*150	1.25	OH3	150	15	37		6.2	5		6.8	
SA513808	M10*100	1.5	OH3	100	18	41		7	5.5		8.5	
SA513809	M10*150	1.5	OH3	150	18	41		7	5.5		8.5	
SA513810	M12*100	1.75	OH4	100	21	48		8.5	6.5		10.3	
SA513811	M12*150	1.75	OH4	150	21	48		8.5	6.5		10.3	
SA513812	M14*150	2	OH4	150	24	48		10.5	8		12	
SA513813	M16*150	2	OH4	150	24	52		12.5	10		14	

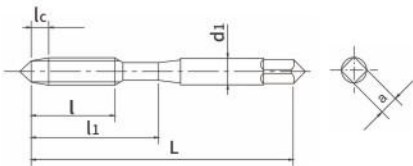
HIGH
EFFICIENT PROCESSING
TOOLS
FOR INNER
THREAD

Economical Thread Tap Series



● Custom Thread Tolerance Zones(4H、6G、7G、6H+0.1 etc.)

ISO529 Spiral Point Machine Taps



M

MF

H2

B/SP

max.3xD

RH

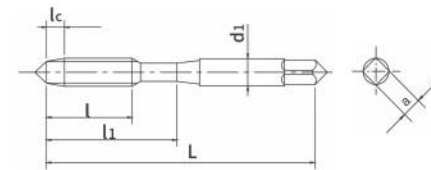
材料
material
HSSE

表面处理
surface treatment
TIN

单位 Unit: mm

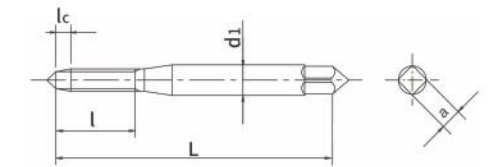
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ611001	M3	0.5	H2	48	11	18	5P	3.15	2.5	3	2.5	■
SZ611002	M4	0.7	H2	53	13	21		4	3.15		3.3	
SZ611003	M5	0.8	H2	58	16	25		5	4		4.2	
SZ611004	M6	1	H2	66	19	30		6.3	5		5	
SZ611005	M8	1.25	H2	72	22			6.3	5		6.8	
SZ611006	MF8*1	1	H2	72	22			6.3	5		7	
SZ611007	M10	1.5	H2	80	24			8	6.3		8.5	
SZ611008	MF10*1	1	H2	80	24			8	6.3		9	
SZ611009	MF10*1.25	1.25	H2	80	24			8	6.3	4	8.8	
SZ611010	M12	1.75	H2	89	29			9	7.1		10.3	
SZ611011	MF12*1	1	H2	80	24			9	7.1		11	
SZ611012	MF12*1.25	1.25	H2	89	29			9	7.1		10.8	
SZ611013	MF12*1.5	1.5	H2	89	29			9	7.1		10.5	
SZ611014	M14	2	H2	95	30			11.2	9		12	
SZ611015	MF14*1.5	1.5	H2	95	30			11.2	9		12.5	
SZ611016	M16	2	H2	102	32			12.5	10		14	
SZ611017	MF16*1.5	1.5	H2	102	32			12.5	10		14.5	
SZ611018	M18	2.5	H2	112	37			14	11.2	4	15.5	
SZ611019	MF18*1.5	1.5	H2	112	37			14	11.2		16.5	
SZ611020	M20	2.5	H2	112	37			14	11.2		17.5	
SZ611021	MF20*1.5	1.5	H2	112	37			14	11.2		18.5	
SZ611022	M22	2.5	H2	118	38			16	12.5		19.5	
SZ611023	M22*1.5	1.5	H2	118	38			16	12.5		20.5	
SZ611024	M24	3	H2	130	45			18	14		21	
SZ611025	M24*1.5	1.5	H2	130	45			18	14		22.5	

ISO529 R35° Spiral Flute Machine Taps



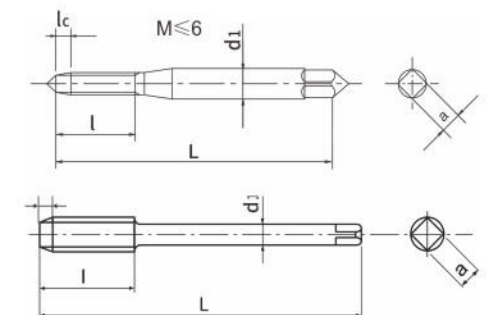
产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 l	颈长 li	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ511301	M3	0.5	H2	48	11	18	2.5P	3.15	2.5	3	2.5	■
SZ511302	M4	0.7	H2	53	13	21		4	3.15		3.3	
SZ511303	M5	0.8	H2	58	16	25		5	4		4.2	
SZ511304	M6	1	H2	66	19	30		6.3	5		5	
SZ511305	M8	1.25	H2	72	22			6.3	5		6.8	
SZ511306	MF8*1	1	H2	72	22			6.3	5		7	
SZ511307	M10	1.5	H2	80	24			8	6.3		8.5	
SZ511308	MF10*1	1	H2	80	24			8	6.3		9	
SZ511309	MF10*1.25	1.25	H2	80	24			8	6.3		8.8	
SZ511310	M12	1.75	H2	89	29			9	7.1		10.3	
SZ511311	MF12*1	1	H2	80	24		2.5P	9	7.1	4	11	■
SZ511312	MF12*1.25	1.25	H2	89	29			9	7.1		10.8	
SZ511313	MF12*1.5	1.5	H2	89	29			9	7.1		10.5	
SZ511314	M14	2	H2	95	30			11.2	9		12	
SZ511315	MF14*1.5	1.5	H2	95	30			11.2	9		12.5	
SZ511316	M16	2	H2	102	32			12.5	10		14	
SZ511317	MF16*1.5	1.5	H2	102	32			12.5	10		14.5	
SZ511318	M18	2.5	H2	112	37			14	11.2		15.5	
SZ511319	MF18*1.5	1.5	H2	112	37			14	11.2		16.5	
SZ511320	M20	2.5	H2	112	37			14	11.2		17.5	
SZ511321	MF20*1.5	1.5	H2	112	37			14	11.2		18.5	
SZ511322	M22	2.5	H2	118	38			16	12.5		19.5	
SZ511323	M22*1.5	1.5	H2	118	38			16	12.5		20.5	
SZ511324	M24	3	H2	130	45			18	14		21	
SZ511325	M24*1.5	1.5	H2	130	45			18	14		22.5	

Shaoshi Short shank Straight Flute Taps



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ816001	M3	0.5	H2	40	11	4P	3.15	2.5	3	2.5	■
SZ816002	M4	0.7	H2	45	13		4	3.15		3.3	
SZ816003	M5	0.8	H2	50	16		5	4		4.2	
SZ816004	M6	1.0	H2	55	19		6.3	5		5	
SZ816005	M8	1.25	H2	65	22		6.3	5		6.8	
SZ816006	M10	1.5	H2	70	24		8	6.3		8.5	
SZ816007	M12	1.75	H2	80	29		9	7.1		10.3	

ISO529 Straight Flute Machine Taps



产品编号 Code	规格 Size	螺距 P	螺距精度 T	总长 L	螺距长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ811301	M3	0.5	H2	48	11	2.5P/4P	3.15	2.5	3	2.5	■
SZ811302	M4	0.7	H2	53	13		4	3.15		3.3	
SZ811303	M5	0.8	H2	58	16		5	4		4.2	
SZ811304	M6	1	H2	66	19		6.3	5		5	
SZ811001	M3	0.5	H2	48	11		2.24	1.8	4	2.5	
SZ811002	M4	0.7	H2	53	13		3.15	2.5		3.3	
SZ811003	M5	0.8	H2	58	16		4	3.15		4.2	
SZ811004	M6	1	H2	66	19		4.5	3.55		5	
SZ811005	M8	1.25	H2	72	22		6.3	5		6.8	
SZ811006	M10	1.5	H2	80	24		8	6.3		8.5	
SZ811007	M12	1.75	H2	89	29		9	7.1		10.3	
SZ811008	M14	2	H2	95	30		11.2	9	6	12	
SZ811009	M16	2	H2	102	32		12.5	10		14	
SZ811010	M18	2.5	H2	112	37		14	11.2		15.5	
SZ811011	M20	2.5	H2	112	37		14	11.2		17.5	
SZ811012	M22	2.5	H2	118	38		16	12.5		19.5	
SZ811013	M24	3	H2	130	45		18	14		21	
SZ811014	M27	3	H2	135	45		20	16		24	
SZ811015	M30	3.5	H2	138	48		20	16		26.5	
SZ811016	M33	3.5	H2	151	51		22.4	18		29.5	
SZ811017	M36	4	H2	162	57		25	20		32	
SZ811018	M39	4	H2	170	60		28	22.4		35	
SZ811019	M42	4.5	H2	170	60		28	22.4		37.5	
SZ811020	M45	4.5	H2	187	67		31.5	25		40.5	
SZ811021	M48	5	H2	187	67		31.5	25		43	
SZ811022	M52	5	H2	200	70		35.5	28		47	

ISO529 Straight Flute Machine Taps with reduced shank



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ811023	MF6×0.75	0.75	H2	66	19	2.5P/4P	4.5	3.55	3	5.3	■
SZ811024	MF8×1	1	H2	72	22		6.3	5		7	
SZ811025	MF10×1	1	H2	80	24		8	6.3		9	
SZ811026	MF10×1.25	1.25	H2	80	24		8	6.3		8.8	
SZ811027	MF12×1	1	H2	80	22		9	7.1		11	
SZ811028	MF12×1.25	1.25	H2	89	29		9	7.1		10.8	
SZ811029	MF12×1.5	1.5	H2	89	29		9	7.1		10.5	
SZ811030	MF14×1	1	H2	87	22		11.2	9		13	
SZ811031	MF14×1.25	1.25	H2	95	30		11.2	9		12.8	
SZ811032	MF14×1.5	1.5	H2	95	30		11.2	9		12.5	
SZ811033	MF16×1	1	H2	92	22		12.5	10	4	15	
SZ811034	MF16×1.5	1.5	H2	102	32		12.5	10		14.5	
SZ811035	MF18×1	1	H2	97	22		14	11.2		17	
SZ811036	MF18×1.5	1.5	H2	112	37		14	11.2		16.5	
SZ811037	MF18×2	2	H2	112	37		14	11.2		16	
SZ811038	MF20×1	1	H2	102	22		14	11.2		19	
SZ811039	MF20×1.5	1.5	H2	112	37		14	11.2		18.5	
SZ811040	MF20×2	2	H2	112	37		14	11.2		18	
SZ811041	MF22×1	1	H2	109	24		16	12.5		21	
SZ811042	MF22×1.5	1.5	H2	118	38		16	12.5		20.5	
SZ811043	MF22×2	2	H2	118	38		16	12.5		20	
SZ811044	MF24×1	1	H2	114	24		18	14		23	
SZ811045	MF24×1.5	1.5	H2	130	45		18	14		22.5	
SZ811046	MF24×2	2	H2	130	45		18	14		22	
SZ811047	MF27×1	1	H2	120	25		20	16		26	
SZ811048	MF27×1.5	1.5	H2	127	37		20	16		25.5	
SZ811049	MF27×2	2	H2	127	37		20	16		25	
SZ811050	MF30×1	1	H2	120	25		20	16		29	
SZ811051	MF30×1.5	1.5	H2	127	37		20	16		28.5	
SZ811052	MF30×2	2	H2	127	37		20	16		28	
SZ811053	MF30×3	3	H2	138	48		20	16		27	
SZ811054	MF33×1.5	1.5	H2	137	37		22.4	18	6	31.5	
SZ811055	MF33×2	2	H2	137	37		22.4	18		31	
SZ811056	MF33×3	3	H2	151	51		22.4	18		30	
SZ811057	MF36×1.5	1.5	H2	144	39		25	20		34.5	
SZ811058	MF36×2	2	H2	144	39		25	20		34	
SZ811059	MF36×3	3	H2	162	57		25	20		33	
SZ811060	MF39×1.5	1.5	H2	149	39		28	22.4		37.5	
SZ811061	MF39×2	2	H2	149	39		28	22.4		37	
SZ811062	MF39×3	3	H2	170	60		28	22.4		36	
SZ811063	MF42×1.5	1.5	H2	149	39		28	22.4		40.5	
SZ811064	MF42×2	2	H2	149	39		28	22.4		40	
SZ811065	MF42×3	3	H2	170	60		28	22.4		39	
SZ811066	MF45×1.5	1.5	H2	165	45		31.5	25		43.5	
SZ811067	MF45×2	2	H2	165	45		31.5	25		43	
SZ811068	MF45×3	3	H2	187	67		31.5	25		42	
SZ811069	MF45×4	4	H2	187	67		31.5	25		41	
SZ811070	MF48×1.5	1.5	H2	165	45		31.5	25		46.5	
SZ811071	MF48×2	2	H2	165	45		31.5	25		46	
SZ811072	MF48×3	3	H2	187	67		31.5	25		45	
SZ811073	MF48×4	4	H2	187	67		31.5	25		44	
SZ811074	MF52×1.5	1.5	H2	175	45		35.5	28		50.5	
SZ811075	MF52×2	2	H2	175	45		35.5	28		50	
SZ811076	MF52×3	3	H2	200	70		35.5	28		49	
SZ811077	MF52×4	4	H2	200	70		35.5	28		48	

Shaoshi Extra-long Straight Flute Machine Taps With Reinforced Shank



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ816019	M3-100	0.5	H2	100	11	2.5P/4P	3.15	2.5	3	2.5	■
SZ816020	M4-100	0.7	H2	100	13		4	3.15		3.3	
SZ816021	M5-100	0.8	H2	100	16		5	4		4.2	
SZ816022	M6-100	1	H2	100	19		6.3	5		5	
SZ816023	M6-125	1	H2	125	19		6.3	5		5	

Shaoshi Extra-long Straight Flute Machine Taps With Reduced Shank



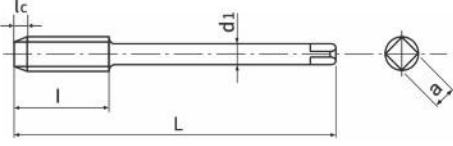
产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ816008	M4-100	0.7	H2	100	13	2.5P/4P	3.15	2.5	3	3.3	■
SZ816009	M5-100	0.8	H2	100	16		4	3.15		4.2	
SZ816010	M6-100	1	H2	100	19		4.5	3.55		5	
SZ816011	M6-125	1	H2	125	19		4.5	3.55		5	
SZ816012	M8-100	1.25	H2	100	22		6.3	5		6.8	
SZ816013	M8-150	1.25	H2	150	22		6.3	5	4	6.8	
SZ816014	M10-130	1.5	H2	130	24		8	6.3		8.5	
SZ816015	M10-150	1.5	H2	150	24		8	6.3		8.5	
SZ816016	M12-160	1.75	H2	160	29		9	7.1		10.3	
SZ816017	M14-160	2	H2	160	30		11.2	9		12	
SZ816018	M16-160	2	H2	160	32		12.5	10		14	

ISO529 Straight Flute Machine Taps with left hand thread



产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ816024	M3L	0.5	H2	40	11	4P	3.15	2.5	3	2.5	■
SZ816025	M4L	0.7	H2	45	13		4	2.8		3.3	
SZ816026	M5L	0.8	H2	50	16		5	3.55		4.2	
SZ816027	M6L	1.0	H2	55	19		6.3	5		5	
SZ816028	M8L	1.25	H2	65	22		6.3	5	4	6.8	
SZ816029	M10L	1.5	H2	70	24		8	6.3		8.5	
SZ816030	M12L	1.75	H2	80	29		9	7.1		10.3	

ISO529 Unified Thread Straight Flute Machine Taps



60°
P
max.1.5xD
D/4P
RH

材料 material HSSE 表面处理 surface treatment

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ827001	No4-40UNC	0.635	2B	48	11	18	4P	3.15	2.5	3	2.3	■
SZ827002	No5-40UNC	0.635	2B	48	11	18		3.15	2.5		2.6	
SZ827003	No6-32UNC	0.794	2B	50	13	20		3.55	2.8		2.8	
SZ827004	No6-40UNF	0.635	2B	50	13	20		3.55	2.8		2.9	
SZ827005	No8-32UNC	0.794	2B	53	13	21		4.5	3.55		3.5	
SZ827006	No8-36UNF	0.706	2B	53	13	21		4.5	3.55		3.5	
SZ827007	No10-24UNC	1.058	2B	58	16	25		5	4		3.9	
SZ827008	No10-32UNF	0.794	2B	58	16	25		5	4		4.1	
SZ827009	No12-24UNC	1.058	2B	62	17	26		5.6	4.5		4.5	
SZ827010	No12-28UNF	0.907	2B	62	17	26		5.6	4.5		4.6	
SZ827011	1/4-20UNC	1.27	2B	66	19	30		6.3	5		5.1	
SZ827012	1/4-28UNF	0.907	2B	66	19	30		6.3	5		5.5	
SZ827013	5/16-18UNC	1.411	2B	72	22	-	4P	6.3	5	4	6.6	
SZ827014	5/16-24UNF	1.058	2B	69	19			6.3	5		6.9	
SZ827015	3/8-16UNC	1.588	2B	80	24			7.1	5.6		8	
SZ827016	3/8-24UNF	1.058	2B	76	20			7.1	5.6		8.5	
SZ827017	7/16-14UNC	1.814	2B	85	25			8	6.3		9.4	
SZ827018	7/16-20UNF	1.27	2B	82	22			8	6.3		9.9	
SZ827019	1/2-13UNC	1.954	2B	89	29			9	7.1		10.8	
SZ827020	1/2-20UNF	1.27	2B	84	24			9	7.1		11.5	
SZ827021	9/16-12UNC	2.117	2B	95	30			11.2	9		12.2	
SZ827022	9/16-18UNF	1.411	2B	90	25			11.2	9		12.9	
SZ827023	5/8-11UNC	2.309	2B	102	32			12.5	10		13.6	
SZ827024	5/8-18UNF	1.411	2B	95	25			12.5	10		14.5	

ISO529 Whitworth Thread Straight Flute Machine Taps

BSW

BSF

2B

max.1.5xD

材料 material HSSE

表面处理 surface treatment

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock	
SZ837001	1/8-40BSW	0.635	2级	48	11	7	4P	3.15	2.5	3	2.55	■	
SZ837002	5/32-32BSW	0.794	2级	53	13	8		4	3.15		3.2		
SZ837003	3/16-24BSW	1.058	2级	58	16	9		5	4		3.7		
SZ837004	3/16-32BSF	0.794	2级	58	16	9		5	4		4		
SZ837005	1/4-20BSW	1.27	2级	66	19	11		6.3	5		5.1		
SZ837006	1/4-26BSF	0.977	2级	66	19	11		6.3	5		5.3		
SZ837007	5/16-18BSW	1.411	2级	72	22	-		5.6	4.5		6.6		
SZ837008	5/16-22BSF	1.155	2级	72	22			6.3	5		6.8		
SZ837009	3/8-16BSW	1.588	2级	80	24			7.1	5.6		8		
SZ837010	3/8-20BSF	1.27	2级	80	24			7.1	5.6		8.3		
SZ837011	7/16-14BSW	1.814	2级	85	25			8	6.3		9.4		
SZ837012	7/16-18BSF	1.411	2级	85	25			8	6.3		9.7		
SZ837013	1/2-12BSW	2.117	2级	89	29			9	7.1		10.7		
SZ837014	1/2-16BSF	1.588	2级	89	29			9	7.1		11.1		
SZ837015	9/16-12BSW	2.117	2级	95	30			11.2	9	4	12.3		
SZ837016	9/16-16BSF	1.588	2级	95	30			11.2	9		12.7		
SZ837017	5/8-11BSW	2.309	2级	102	32			12.5	10		13.6		
SZ837018	5/8-14BSF	1.814	2级	102	32			12.5	10		14		

Wire Screw Thread Straight Flute Machine Taps

max.1.5xD

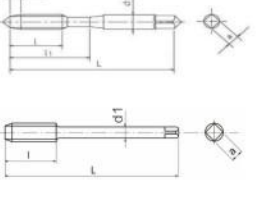
材料
material

表面处理
surface treatment

单位 Unit: mm

产品编号 Code	规格 Size	基本大径 d	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	颈长 l1	切削锥长度 lc 盲孔 通孔	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ801001	STI M3	3.650	0.5	H2	53	13	21	2.5P 5P	4	3.15	3	3.15	□
SZ801002	STI M4	4.909	0.7	H2	58	16	25		5	4		4.2	
SZ801003	STI M5	6.039	0.8	H2	66	19	30		6.3	5		5.2	
SZ801004	STI M6	7.299	1	H2	72	22	35		7.1	5.6		6.3	
SZ801005	STI M8	9.624	1.25	H2	80	24	8		6.3	8.4			
SZ801006	STI MF8×1	9.299	1	H2	80	20	7.1		5.6	8.3			
SZ801007	STI M10	11.949	1.5	H2	89	29	9		7.1	10.5			
SZ801008	STI MF10×1	11.299	1	H2	89	22	9		7.1	10.3			
SZ801009	STI MF10×1.25	11.624	1.25	H2	89	22	9		7.1	10.4			
SZ801010	STI M12	14.273	1.75	H2	95	30	11.2		9	12.6			
SZ801011	STI MF12×1	13.299	1	H2	95	22	11.2		9	12.3			
SZ801012	STI MF12×1.25	13.624	1.25	H2	95	22	11.2		9	12.4			
SZ801013	STI MF12×1.5	13.949	1.5	H2	95	22	11.2		9	12.5			
SZ801014	STI M14	16.598	2	H2	102	32	12.5		10	14.6			
SZ801015	STI MF14×1	15.299	1	H2	102	32	12.5		10	14.3			
SZ801016	STI MF14×1.25	15.624	1.25	H2	102	32	12.5		10	14.4			
SZ801017	STI MF14×1.5	15.949	1.5	H2	102	32	12.5		10	14.5			
SZ801018	STI M16	18.598	2	H2	112	37	14		11.2	16.6			
SZ801019	STI MF16×1.5	17.949	1.5	H2	112	37	14		11.2	16.5			

ISO529 Sets of 3 Straight Flute Machine Taps



60°
P
max.1.5xD
A/6P
D/4P
C/2.5P
RH

材料 material HSSE 表面处理 surface treatment

单位 Unit: mm

产品编号 Code	规格 Size	螺距 P	螺纹精度 T	总长 L	螺纹长度 l	切削锥长度 lc	Nr1	Nr2	F	柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
SZ811601	M3	0.5	H2	48	11	6P	4P	2P		3.15	2.5	3	2.5	■
SZ811602	M4	0.7		53	13					4	3.15		3.3	
SZ811603	M5	0.8		58	16					5	4		4.2	
SZ811604	M6	1		66	19					6.3	5		5	
SZ811605	M8	1.25		72	22					6.3	5		6.8	
SZ811606	M10	1.5		80	24					8	6.3		8.5	
SZ811607	M12	1.75		89	29					9	7.1	4	10.2	
SZ811608	M14	2		95	30					11.2	9		12	
SZ811609	M16	2		102	32					12.5	10		14	
SZ811610	M18	2.5		112	37					14	11.2		15.5	
SZ811611	M20	2.5		112	37					14	11.2		17.5	
SZ811612	M22	2.5		118	38					16	12.5		19.5	
SZ811613	M24	3		130	45					18	14		21	

A set(2pcs) is also available

DIN352 Sets of 3 Straight Flute Machine Taps



产品编号 Code	规格 Size	螺距 P	总长 L	螺纹长度 l	切削锥长度 lc			柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
					Nr1/Nr1Z	Nr2	F					
SZ812201	M3	0.5	40	11	6P	4P	2P	3.5	2.7	3	2.5	■
SZ812202	M4	0.7	45	13				4.5	3.4		3.3	
SZ812203	M5	0.8	50	16				6	4.9		4.2	
SZ812204	M6	1.0	56	19				6	4.9	4	5	
SZ812205	M8	1.25	63	22				6	4.9		6.8	
SZ812206	M10	1.5	70	24				7	5.5		8.5	
SZ812207	M12	1.75	75	28				9	7		10.2	
SZ812208	M14	2.0	80	30				11	9		12	
SZ812209	M16	2.0	80	32				12	9		14	
SZ812210	M18	2.5	95	34				14	11		15.5	
SZ812211	M20	2.5	95	34				16	12		17.5	
SZ812212	M22	2.5	100	34				18	14.5		19.5	
SZ812213	M24	3	110	38				18	14.5		21	

A set(2pcs) is also available

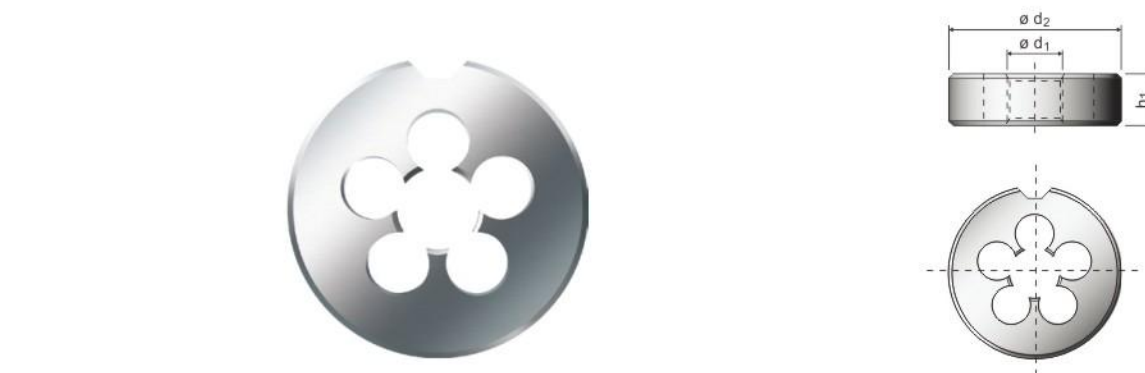
The taper tap No. 1Z with cylindrical pilot is an additional aid for true alignment especially when tapping by hand. It can be deleted when tapping by machine. The profile graduation of No.1Z, and No.1 is the same.

DIN2181 Sets of 2 Straight Flute Machine Taps



产品编号 Code	规格 Size	螺距 P	总长 L	螺纹长度 l	切削锥长度 lc		柄部直径 d1	方厚 a	槽数 Flute	预钻孔径 d0	库存状态 Stock
					Nr1	F					
SZ812801	MF8*1	1	63	22	6P	2P	6	4.9	4	7	■
SZ812802	MF10*1	1	63	20			7	5.5		9	
SZ812803	MF10*1.25	1.25	70	24			7	5.5		8.8	
SZ812804	MF12*1	1	70	22			9	7		11	
SZ812805	MF12*1.25	1.25	70	22			9	7		10.8	
SZ812806	MF12*1.5	1.5	70	22			9	7		10.5	
SZ812807	MF14*1	1	70	22			11	9		13	
SZ812808	MF14*1.5	1.5	70	22			11	9		12.5	
SZ812809	MF16*1	1	70	22			12	9		15	
SZ812810	MF16*1.5	1.5	70	22			12	9		14.5	
SZ812811	MF18*1	1	80	22			14	11		17	
SZ812812	MF18*1.5	1.5	80	22			14	11		16.5	
SZ812813	MF20*1	1	80	22			16	12		19	
SZ812814	MF20*1.5	1.5	80	22			16	12		18.5	
SZ812815	MF22*1	1	80	22			18	14.5		21	
SZ812816	MF22*1.5	1.5	80	22			18	14.5		20.5	
SZ812817	MF24*1	1	90	22			18	14.5		23	
SZ812818	MF24*1.5	1.5	90	22			18	14.5		22.5	

DIN EN 22568 (DIN 223) Right Hand Round Die



				材料 material 	表面处理 surface treatment 	单位 Unit: mm	
产品编号 Code	规格 Size	螺距 P	精度 T	外圆 D	E	槽数 Flute	库存状态 Stock
SZ912101	M2	0.4	6g	12	3	3	
SZ912001	M3	0.5		20	5		
SZ912002	M4	0.7		20	5		
SZ912003	M5	0.8		20	7	4	
SZ912004	M6	1		20	7		
SZ912005	M8	1.25		25	9		
SZ912006	M8*1	1		25	9		
SZ912007	M10	1.5		30	11		
SZ912008	M10*1.25	1.25		30	11		
SZ912009	M10*1	1		30	11		
SZ912010	M12	1.75		38	14	5	
SZ912011	M12*1.5	1.5		38	14		
SZ912012	M12*1.25	1.25		38	14		
SZ912013	M12*1	1		38	14		
SZ912014	M14	2		38	14		
SZ912015	M14*1.5	1.5		38	14		
SZ912016	M16	2		45	18	6	
SZ912017	M16*1.5	1.5		45	18		
SZ912018	M18	2.5		45	18		
SZ912019	M18*1.5	1.5		45	18		
SZ912020	M20	2.5		45	18	6	
SZ912021	M20*1.5	1.5		45	14		
SZ912022	M20*2	2		45	14		
SZ912023	M22*2.5	2.5		45	18		
SZ912024	M24*3	3		55	22		

DIN 371/376 Machine Tap Sets for HSSE-Co In Steel case

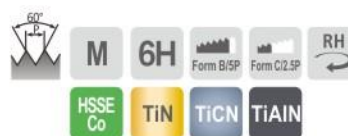
14-piece set of machine taps 7 machine taps DIN 371 / 376 form B spiral point tap
M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12 + 7 twist drills DIN 338 type N
2,5 – 3,3 – 4,2 – 5,0 – 6,8 – 8,5 – 10,2 mm



14-piece set of machine taps 7 machine taps DIN 371 / 376
form C / R45° spiral flute tap
M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12
+ 7 twist drills DIN 338 type N Ø 2,5 – 3,3 – 4,2 – 5,0 – 6,8 – 8,5 – 10,2 mm



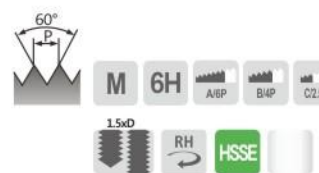
21-piece set of machine taps 7 machine taps DIN 371 / 376 form B spiral point tap
M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12 + 7 machine taps DIN 371 / 376
form C / R45° spiral flute tap M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12
+ 7 twist drills DIN 338 Typ N Ø 2,5 – 3,3 – 4,2 – 5,0 – 6,8 – 8,5 – 10,2 mm



DIN352 Hand Tap Sets for HSSE In Steel case

21-piece set of hand taps M DIN 352
one three-piece set each of
M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12

28-piece set of hand taps DIN 352 one three-piece set
each of M 3 – M 4 – M 5 – M 6 – M 8 – M 10 – M 12
+ 7 twist drills DIN 338
Type N 2,5 – 3,3 – 4,2 – 5,0 – 6,8 – 8,5 – 10,2 mm

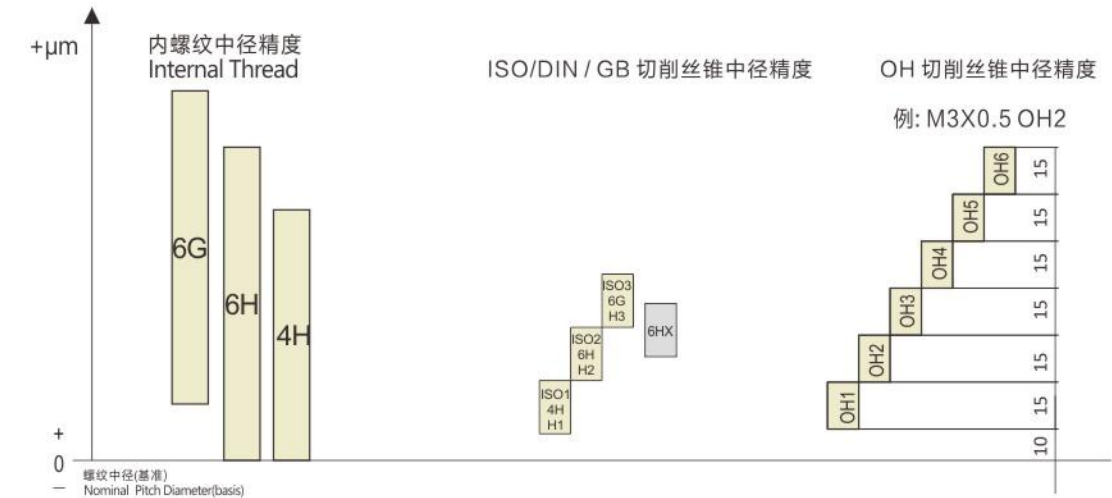


Package

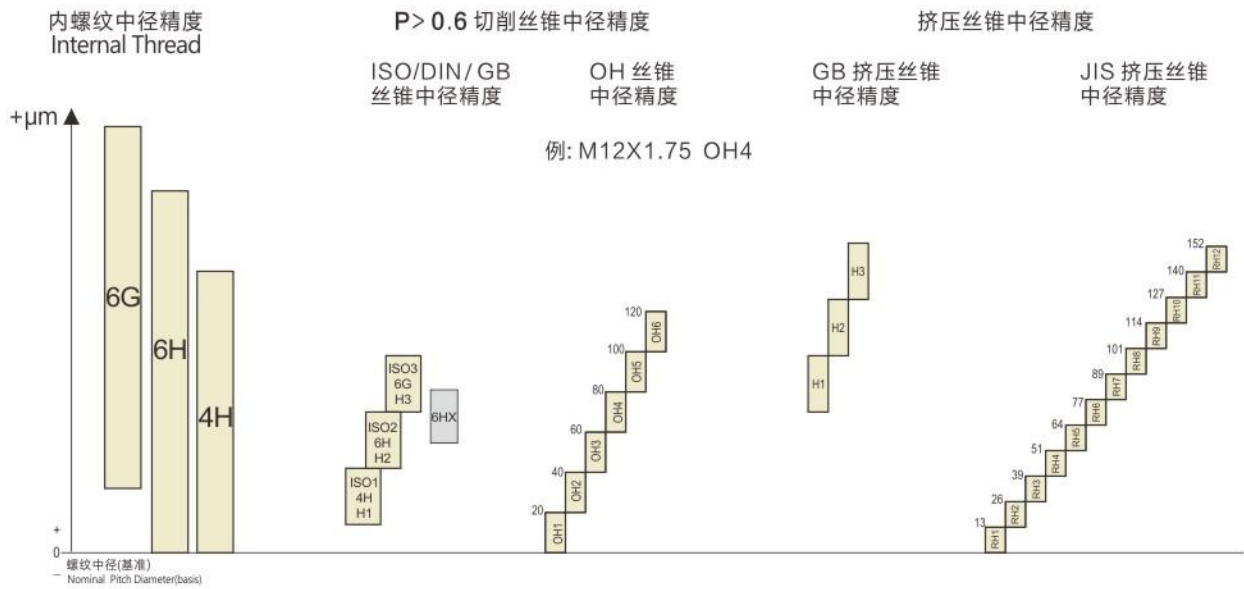


公制螺纹中径公差带 (示意图)
Tolerance Zones Of The Pitch Diameter On The Metric Thread(graphic Representation)

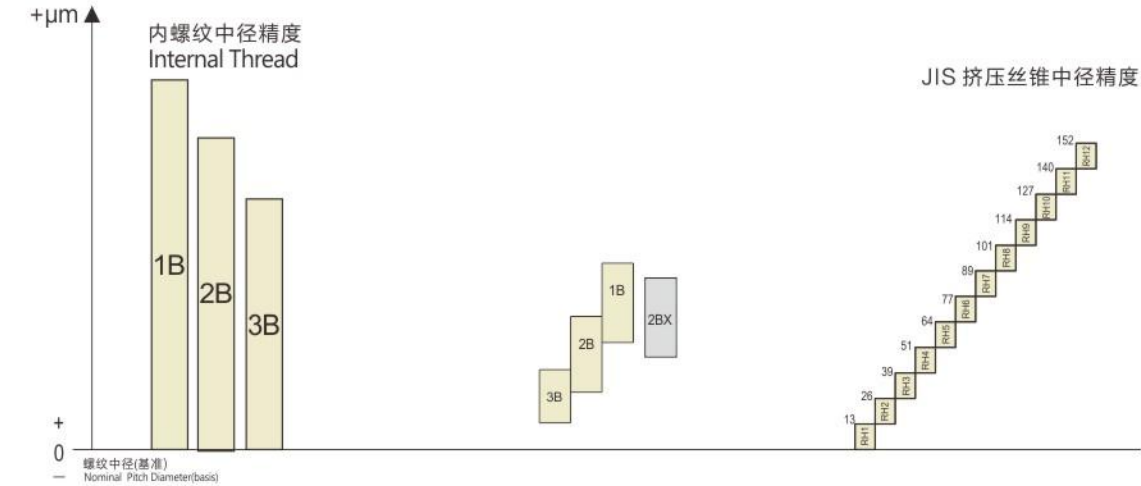
(1) $P \leq 0.6$ 切削丝锥螺纹精度:



(2) $P > 0.6$ 切削丝锥和挤压丝锥螺纹精度:



美制螺纹中径公差带 (示意图)
Tolerance Zones Of The Pitch Diameter On The Unifies Thread(graphic Representation)



Recommended Tapping Speed
Tapping Speed

The following machining conditions affect tapping speed: kind of taps, workpieces, number of chamfered threads, materials, hole conditionand lubricant. It is necessary to select the suitable tapping speed by paying attention to these conditions. When work material has excellent workability, when there is a little depth of tapping, or when tapping lubricant can be sufficient, select rather higher tapping speed. When workability of work material is unknown, to be safe, try nearly the lowest tapping speed at first, and then increase the speed gradually. Following speed is basically for the cutting condition under the use of cutting oil. In case of water soluble cutting oil, please reduce the speed by 30%.

Work Material		Cutting Speed (m/min)				
		Straight Fluted Tap	Spiral Fluted Tap	Spiral Pointed Tap	Forming Taps	Pipe Thread Tap
Mild Steel-Low Carbon Steel	$\leq C0.25\%$	8 ~ 13	8 ~ 13	15 ~ 25	8 ~ 13	3 ~ 6
Medium Carbon Steel	$C0.25 \sim 0.45\%$	7 ~ 12	7 ~ 12	10 ~ 15	7 ~ 10	3 ~ 6
Hign Carbon Steel	$\geq C0.45\%$	6 ~ 9	6 ~ 9	8 ~ 13	5 ~ 8	2 ~ 5
Alloy Steel	SCM	7 ~ 12	7 ~ 12	10 ~ 15	5 ~ 8	2 ~ 5
Hardened Steel	25 ~ 45HRC	4 ~ 8	6 ~ 10	8 ~ 12	-	-
Stainless Steel	SUS	4 ~ 7	5 ~ 8	8 ~ 13	5 ~ 10	2 ~ 5
Tool Steel	SKD	6 ~ 9	6 ~ 9	7 ~ 10	-	-
Cast Steel	SC	6 ~ 11	6 ~ 11	10 ~ 15	-	2 ~ 5
Cast Iron	FC	10 ~ 15	-	-	-	2 ~ 5
Ductile Cast Iron	FCD	7 ~ 12	7 ~ 12	10 ~ 20	-	4 ~ 8
Copper	Cu	6 ~ 9	6 ~ 11	7 ~ 12	7 ~ 12	2 ~ 5
Brass-Brass Casting	Bs · BsC	10 ~ 15	10 ~ 20	15 ~ 25	7 ~ 12	5 ~ 10
Bronze-Bronze Casting	PB · PBC	6 ~ 11	6 ~ 11	10 ~ 20	7 ~ 12	6 ~ 11
Aluminum Wrouhgt Steel	AL	10 ~ 20	10 ~ 20	10 ~ 25	7 ~ 12	5 ~ 10
Aluminum Alloy Casting	AC · ADC	10 ~ 15	10 ~ 15	15 ~ 20	12 ~ 20	10 ~ 15
Titanium Alloy		-	3 ~ 5	4 ~ 6	-	-
Nickel Alloy		-	1 ~ 3	2 ~ 4	-	-
High Hardened Steel	40 ~ 50HRC	2 ~ 4	-	-	-	-
High Hardened Steel	50 ~ 55HRC	1 ~ 3	-	-	-	-

Calculation of cutting data

$$n = \frac{V_c \cdot 1000}{D \cdot \pi} [\text{min}^{-1}]$$

Speed n in $\text{min}^{-1}(\text{rpm})$

D = Major diameter of thread in mm

V_c = Cutting speed in m/min

$$V_c = \frac{D \cdot \pi \cdot n}{1000} [\text{m/min}]$$

Cutting speed V_c in m/min

D = Major diameter of thread in mm

n = Speed in $\text{min}^{-1}(\text{rpm})$

$$M_c = \frac{k_c \cdot P^2 \cdot D}{8000} [\text{Nm}]$$

Cutting torque on the tap M_c in Nm

(for tapered threads M, MF, UNC, UNF etc)

k_c = Specific cutting force in N/mm^2

P = Thread pitch in mm

D = Major diameter of thread in mm

$$P_c = \frac{M_c \cdot n}{9550 \cdot \eta} [\text{kW}]$$

Machine drive power P_c in kW

M_c = Cutting torque on the tap in Nm

n = Speed in $\text{min}^{-1}(\text{rpm})$

η = Efficiency of the machine

CONVERSION TABLE HARDNESS VS TENSILE STRENGTH

Tensile Strength	Hardness		
R [N/mm ²]	HB Brinell	HRC Rockwell C	HV Vickers
3400	700	68	1008
3120	688	67	955
2960	676	66	920
2890	670	65	885
2770	659	64	850
2240	650	63	826
2190	635	62	797
2140	627	61	772
2100	613	60	746
2050	600	59	720
2010	587	58	693
1970	574	57	666
1930	561	56	646
1890	548	55	623
1850	536	54	604
1810	524	53	585
1780	512	52	567
1730	500	51	549
1680	488	50	528
1630	476	49	513
1590	464	48	497
1560	453	47	482
1520	442	46	468
1480	430	45	453
1440	419	44	440

Tensile Strength	Hardness		
R [N/mm ²]	HB Brinell	HRC Rockwell C	HV Vickers
1400	408	43	427
1360	398	42	416
1320	389	41	404
1300	377	40	391
1260	367	39	381
1230	357	38	371
1190	347	37	357
1150	337	36	345
1120	327	35	332
1100	319	34	323
1060	309	33	314
1040	301	32	304
1010	294	31	296
980	286	30	288
960	279	29	280
940	272	28	273
910	265	27	266
890	259	26	259
870	253	25	253
850	247	24	247
830	241	23	241
810	235	22	235
790	230	21	230
770	225	20	225

THREADING – GENERAL TECHNICAL INFORMATION

Tapping is a complex process and often the last machining operation performed on the workpiece.

Therefore, incorrect or faulty tapping can compromise the quality of the entire workpiece.

Numerous factors influence the process: cutting parameters, drilling parameters, lubrication, machine conditions. The choice of the correct tool is paramount in order to obtain high quality threads.

1. Select the correct design of tap for the component material and type of hole, i.e. through or blind,
2. Ensure the component is securely clamped –lateral movement may cause tap breakage or poor quality threads.
3. Select the correct size of drill from the relevant catalogue page. Always ensure that work hardening of the component material is kept to a minimum.
4. Select the correct cutting speed
5. Use appropriate cutting fluid for correct application.
6. In CNC Applications ensure that the feed value chosen for the program is correct. When using a tapping attachment, 95% to 97% of the pitch is recommended to allow the tap to generate its own pitch.
7. Where possible, hold the tap in a good quality torque limiting tapping attachment, which ensures free axial movement of the tap and presents it squarely to the hole. It also protects the tap from breakage if accidentally ‘bottomed’ in a blind hole.
8. Ensure smooth entry of the tap into the hole, as an uneven feed may cause ‘bell mouting’

The following table summarises the most common problems encountered during tapping and their possible solutions.

Trouble Shooting When Tapping

Problem	Solution
Chipped teeth on tap	• Choose correct tap, with lower rake angle or longer chamfer. • Reduce cutting speed. • Check drilled hole size is not too small. • Check tap alignment and run-out of tap on tapping attachment. • For deep blind holes ($\geq 2,5 \times D$) use taps with back-tapering.
Excessive tap wear	• Improve quality (richer emulsion, neat oil) and quantity (higher pressure) of lubrication. • Use correct tap, with more relief or longer chamfer if possible. • Choose coating suitable for specific application. • Use recommended cutting parameters for specific application.
Chips clogging flutes	• Use tap with lower spiral flute angle. • Choose correct tap with suitable rake angle and relief for specific application. • Use tap with sharp cutting edge (bright tap or vapourised tap).
Poor finish on threaded workpiece	• Check wear on tap. If necessary, sharpen or change tap. • Improve quality and quantity of lubrication. • Choose correct tap with suitable rake angle and relief for specific application. • Use recommended cutting parameters for specific application.

THREADING – GENERAL TECHNICAL INFORMATION

Trouble Shooting When Tapping

Problem	Solution
Built-up-edge	- Choose correct tap with lower rake angle and/or higher relief. - Choose coating suitable for specific application. - Increase cutting speed. - Improve quality and quantity of lubrication.
Tap sticking	- Choose correct tap with lower rake angle and/or higher relief. - Choose coating suitable for specific application. - Increase cutting speed. - Improve quality and quantity of lubrication.
Crater wear	- Choose suitable tap, with base material in HSSE-PM. - Use coated tap. - Improve quality and quantity of lubrication.
Tap breakage	- Check drilled hole size. - Check alignment between tap and drilled hole. - Reduce cutting speed. - On blind holes, check that tapping depth is less than hole depth. - Use tapping attachment with slip clutch. - Use compensated tapping attachment.
Oversized thread	- Check tap tolerance is compatible with requested workpiece (nut) tolerance. - Choose correct tap with suitable rake angle and relief for specific application. - Reduce feed rate (revs x pitch) or use rigid / synchronous tapping attachment. - Reduce cutting speed. - Check tap alignment and that workpiece is fastened steadily. - Remove clogged chips from flutes.
Undersized thread	- Check drilled hole size is not too small. - Check tap tolerance is compatible with requested workpiece (nut) tolerance. - Use coated tap to avoid tap sticking. - On forming taps, use slightly larger drilled hole size. - Check wear on tap. If necessary, sharpen or change tap. - Choose correct tap with higher rake angle and relief. - Use rigid / synchronous tapping attachment. - Improve quality and quantity of lubrication.
Excessive power requirement	- On high strength materials, increase drilled hole size. - Check wear on tap. If necessary, sharpen or change tap. - Choose correct tap with higher rake angle and relief. - Improve quality and quantity of lubrication.

Customer Information

Company: Size:
 Contact: Article no.:
 Phone: Requested QTY.:
 E-mail: Annual QTY.:

Application information

Machine:

Manufacturer:
 Type:
 Power: kw

☐ horizontal ☐ External
☐ vertical ☐ Internal

Cutting data:

Speed n: rpm
 Cutting speed v_c : m/min

Spindle adaptation:

MT / ISO taper / HSK / TR / others:
 DIN / ANSI / JIS / others:

Tool holder:

☐ rigid (collet)
☐ Tapping attachment
☐ Tap holder
☐ with internal coolant supply

Workpiece description :

Material/Code no.:
 Condition during work:
 Tensile strength: N/mm²
 Hardness: HRC/HB
☐ short-chipping ☐ long-chipping

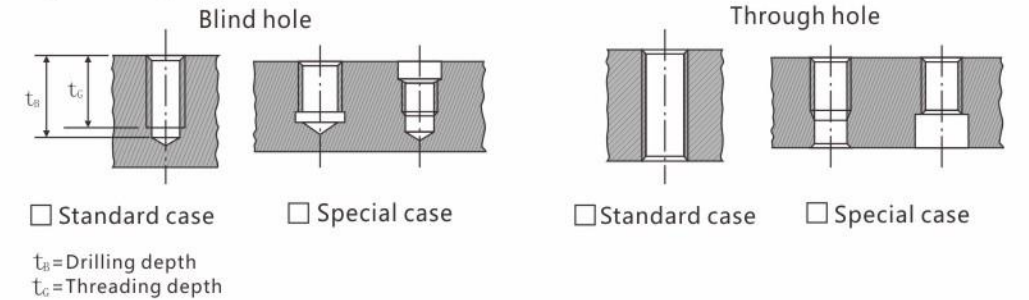
Cooling/lubrication:

☐ Oil ☐ Emulsion %
☐ Dry ☐ Others:

Internal thread:

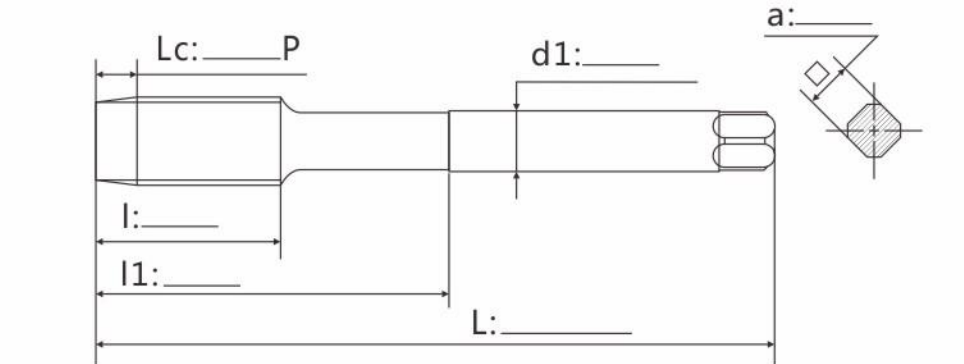
Thread size:
 Thread tolerance:
 Thread depth:
 Drill hole diameter:
 Drill hole depth:

Types of tapping holes:



Tap requests

Tap brand:
 Tap type/code no.:
 Tap size:
 Tolerance:
 Tap material:
 Surface treatment:
 Internal coolant:
 Tool life:



Tap type:

☐ Straight flute ☐ Spiral flute ☐ Spiral point ☐ Forming tap ☐ Nuts tap