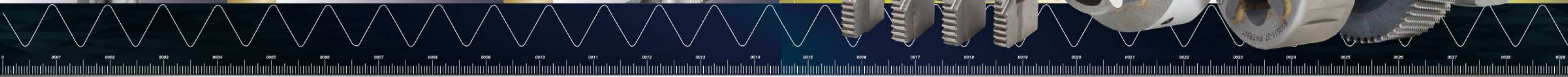
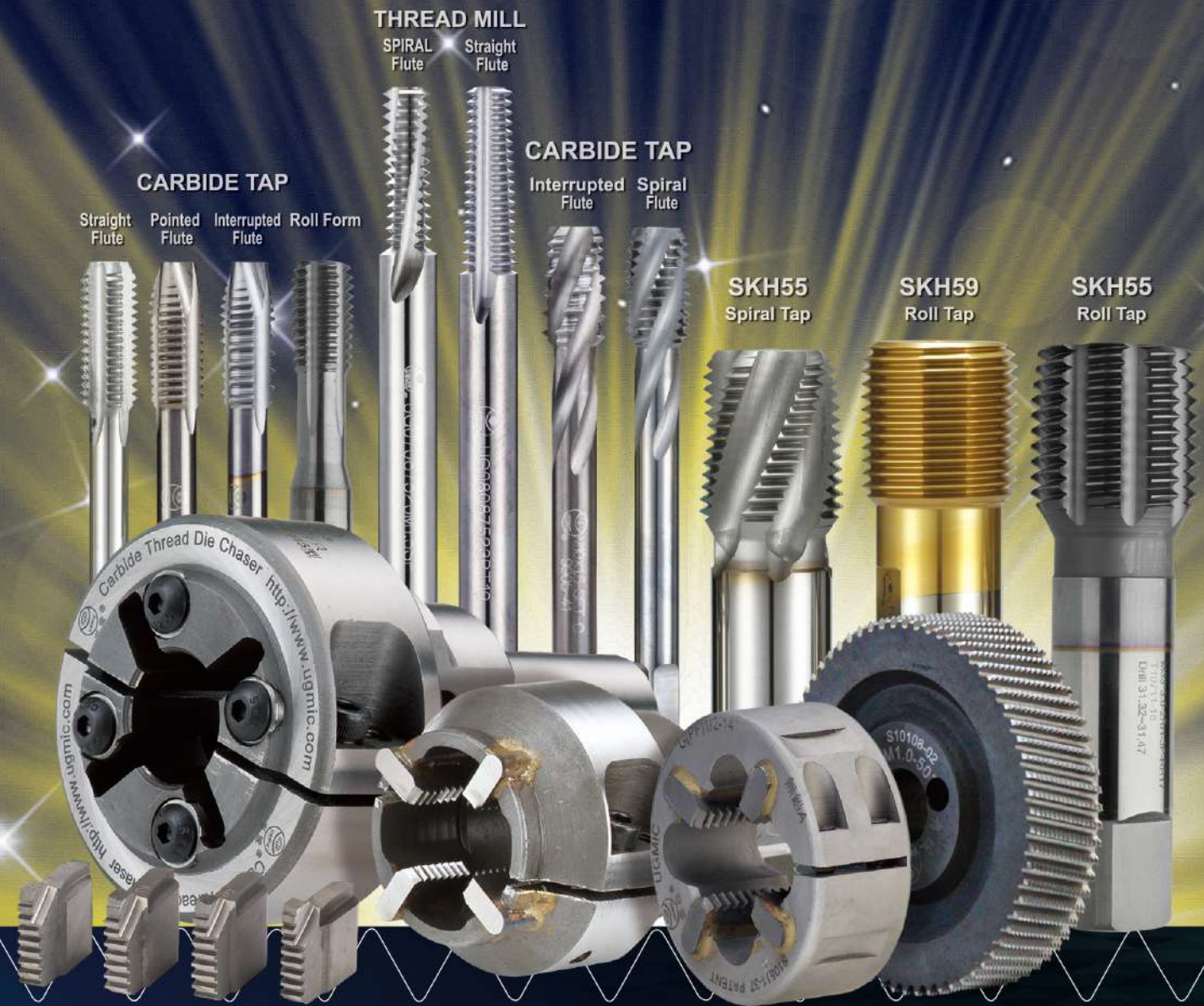




有峻精密工具有限公司
UGMIC INDUSTRIAL LTD.



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UGMIC INDUSTRIAL LTD.

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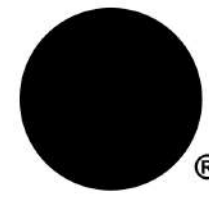
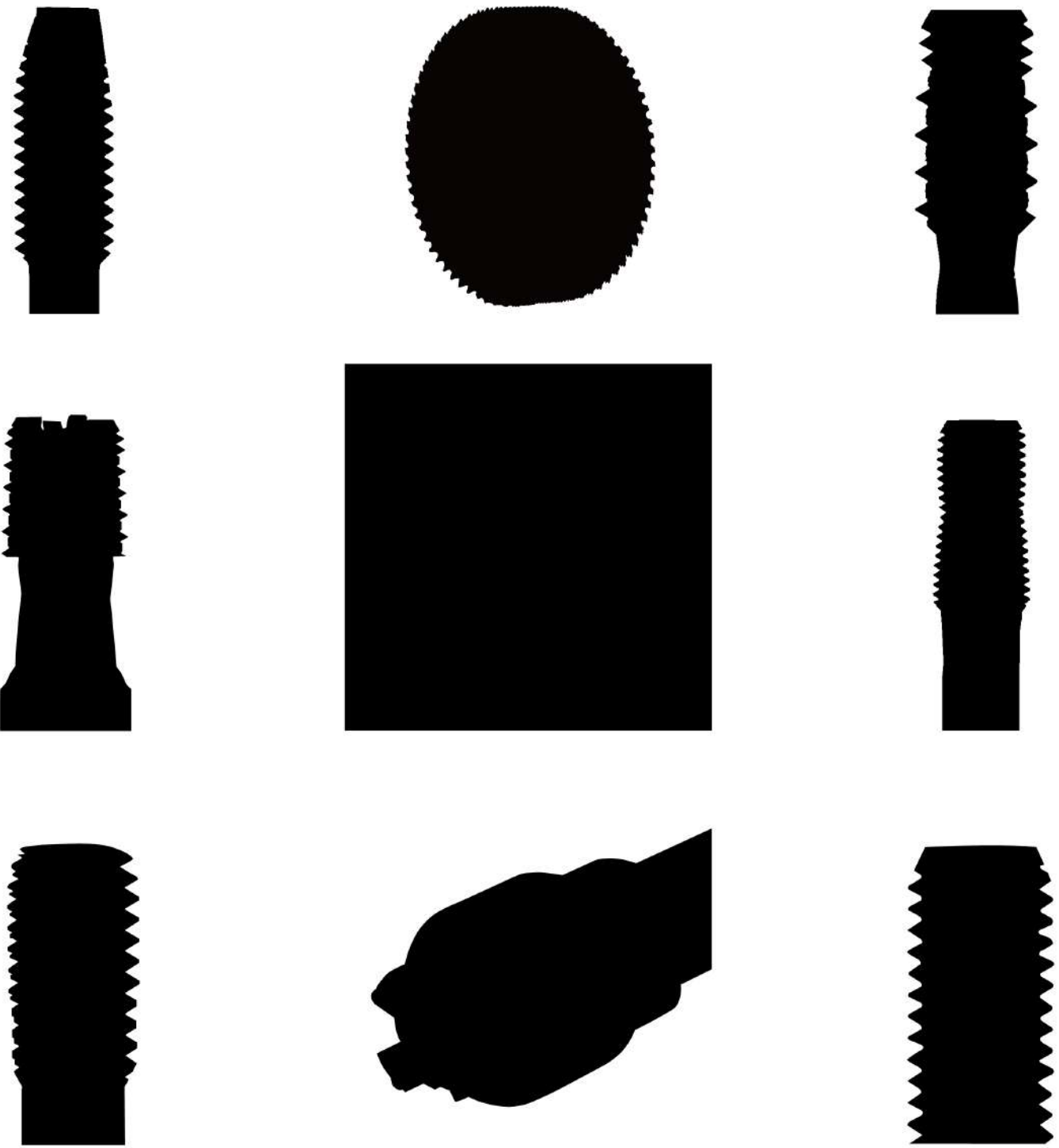
2026-03

High Performance Threading Tools

Standard & Customize Optimization Parameters
Carbide & HSS-Co Threading Solutions



高效能螺紋製造工具-標準&訂製螺紋優化參數
鎢鋼&含鈷高速鋼螺紋工具解決方案



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高性能/高精度/高壽命/超省力/超節能

UGMIC®

HIGH FUNCTIONALITY, PRECISION AND LONG SERVICE LIFE!

SUPER-LABOR-SAVING AND EVERGY-EFFICIENT.

公司簡介

有峻精密工具有限公司，成立於西元1991年，由陳世明先生創辦。

創辦人陳世明先生累積三十多年的機床設備、刀、模具開發經驗，有鑑於提升產業競爭力必須著重於高效能、高壽命之刀 / 模具之發展，遂研發鎢鋼螺紋切削工具 / 模具的專業製造，將服務領域跨至精密鎢鋼刀具、模具、量具等專業製造，成為國內首先開發鎢鋼螺紋切削工具 / 模具的專業製造廠，相關產品包含：鎢鋼絲攻、鎢鋼九駒、鎢鋼銑牙輪、螺紋銑刀、牙板片、鎢鋼牙規、鎢鋼塞規...等。

本公司服務之產業廣泛，諸如：給水閥門、瓦斯閥門、氣嘴閥門、快速接頭、衛浴潔具五金、氣動配件、壓縮機零件、製冷配件、汽機車及自行車配件零件五金、機械零件五金、鈦合金 / 不鏽鋼高爾夫球頭、人工關節醫療器具、軍工、航天航空、難加工材領域...等產業均有涉及，服務地區遍及亞洲、東南亞、歐洲、北美、中南美洲等數十國，擁有為數不少的客戶群。

公司多年來秉持著『精益求精、品質卓越、服務熱忱』之精神不斷開創新產品，為產業界克服各種螺紋加工之問題，並已成功取得數十項相關專利，針對不同屬性之客戶給予最專業、最完善、最優良的全方位服務，以期在客戶長期的支持與愛護下穩定成長茁壯。



Company Profile

UGMIC industrial Ltd. is founded in 1991 by Mr. Shi-Ming Chen.

Accumulating experience in developing machine tool equipment, cutter, and die for more than 30 years, the founder Mr. Shi-Ming Chen, knows that promoting industry competitiveness should focus on the progress of high efficiency and longevity of cutter/die. Mr. Chen researches and develops professionally manufactured tungsten thread cutter/die to span the range of services and brings UGMIC Precision Tools is the first manufactory of that area in Taiwan. Our products are tungsten carbide tap, tungsten carbide die, thread milling cutter, tungsten steel chaser, thread chaser, tungsten carbide sample gauge, tungsten carbide plug gauge, etc.

Our service is widespread. The industry includes water-supply valve, gas valve, tire air valve, camlock, sanitary hardware, pneumatic accessories, compressor parts, refrigeration accessories, automobile and bike parts accessories, machinery parts accessories, titanium alloy/stainless steel golf-club head, artificial joint medical, military industry, aerospace, aviation, difficult cutting material field...etc. We service customers from many countries in Asia, South-east Asia, North America, Central and South America.

We hold the spirit of "Improving, Excellence, Devotion" to continually develop new products and overcome various problems of thread machining for this industry. We have acquired dozens of related patents to provide most professional, most perfect, most excellent services to our customers of different attributes. Hope we can have a steady growth under the standing and caring support from our customers.



分類Type	P.1~P.2
M/MJ	P.3~P.6
UNC/ UNJC	P.7~P.10
UNF/ UNJF	P.11~P.14
UNEF/ UNJEF	P.15~P.18
W/BSW	P.19~P.22
WF/BSF	P.23~P.24
G/PF Rp/PS	P.25~P.26
Rc/PT PTF	P.27~P.28
NPTF NPT	P.29~P.30
NPSM NPSF	P.31~P.32
HC-M	P.33~P.34
HC-UN	P.35
Tr	P.36
ACME TW	P.37
ACME- STUB	P.38~P.40
VVg/ CTV	Customization
BC/BSC	Customization
NGT	Customization
NGO	Customization
PZ	Customization

選用柄	Shank Option
側固柄	P.41~P.44
銑刀柄	訂製款 Customization



J.StT.SC JIS柄.直溝絲攻.全鈷鋼
JIS shank. Straight Taps. Solid Carbide

J.StT.WC JIS柄.直溝絲攻.焊鈷鋼
JIS shank. Straight Taps. Welded Carbide



J.SpT.SC JIS柄.螺旋絲攻.全鈷鋼
JIS shank. Spiral Taps. Solid Carbide

J.SpT.WC JIS柄.螺旋絲攻.焊鈷鋼
JIS shank. Spiral Taps. Welded Carbide



J.SpT.Hc JIS柄.螺旋絲攻.高速鋼含鈷
JIS shank. Spiral Taps. HSS-Co (M35)



J.PoT.SC JIS柄.先端溝絲攻.全鈷鋼
JIS shank. Pointed Taps. Solid Carbide

J.PoT.Hc JIS柄.先端溝絲攻.高速鋼含鈷
JIS shank. Pointed Taps. HSS-Co(M35)



J.RFT.SC JIS柄.擠壓絲攻.全鈷鋼
JIS shank. Roll Form Taps. Solid Carbide

J.RFT.Hc JIS柄.擠壓絲攻.高速鋼含鈷
JIS shank. Roll Form Taps. HSS-Co(M35)

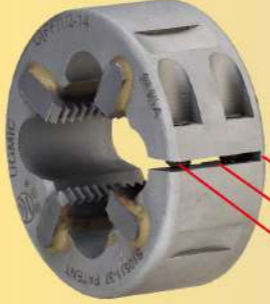


S.StT.WC 選用柄.直溝絲攻(跳牙).焊鈷鋼
Selection shank. Straight Taps(Interrupted).
Welded Carbide



數控中心機用-全鈷鋼螺旋牙銑刀
Sp.TM-Spiral Thread Milling-Sloid Carbide P.45~P.48

數控中心機用-全鈷鋼直溝牙銑刀
St.TM-Straight Thread Milling-Sloid Carbide P.45~P.51



可調九駒(圓板牙)-焊鈷鋼
ARD.WC
Adjustable Round Thread Dies-
Welded Carbide P.53~P.56


連結部
切開部
支撐螺絲



US45 型 外螺紋嵌入式鈷鋼牙只-黃銅閥栓用 P.60
US45 type Thread Dies Insert Carbide Chasers for brass valve bolt P.60




有峻45型-可調九駒(圓板牙)-嵌入式鈷鋼牙片用-可調九駒(圓板牙)帶柄
UGMIC -UG45-Insert carbide chaser- Adjustable Thread Dies with Shank
P.60



TC.SC 絲攻用牙片 & DC.SC 九駒用牙片-全鈷鋼 P.59
Tap Chasers- Solid Carbide & Dies Chasers- Solid Carbide P.59



ADS.WC-可調九駒(圓板牙)-焊鈷鋼帶柄 P.57~P.58
Adjustable thread Dies with Shank- Welded Carbide



日系 OSG 19型 鈷鋼牙只 & 高速鋼含鈷牙只
JIS type OSG 19- Thread Dies Chaser -
Solid Carbide & HSS.Co P.60



銑牙輪-凸輪機自動車床用-全鈷鋼 P.61
Thread Milling Wheel for CAM type-Auto Lathe
Solid Carbide P.61

Standard	絲攻選用&螺紋標準 索引 Taps Option & Thread Standard Index	P.1-P.2
M/MJ	公制螺紋&公制航太標準絲攻選用 Metric & Aerospace Thread Taps option	P.3-P.6
UNC/ UNJC	統一粗螺紋& 統一粗螺紋航太標準絲攻選用 Unified Coarse & Aerospace Thread Taps option	P.7-P.10
UNF/ UNJF	統一細螺紋& 統一細螺紋航太標準絲攻選用 Unified Fine & Aerospace Thread Taps option	P.11-P.14
UNEF/ UNJEF	統一極細螺紋& 統一極細螺紋航太標準絲攻選用 Unified Extra Fine & Unified Extra Fine Aerospace Thread Taps option	P.15-P.18
W/BSW	惠氏粗螺紋標準絲攻選用 Witworth Coarse thread standard option	P.19-P.22
WF/BSF	惠氏細螺紋標準絲攻選用 Witworth Fine thread standard option	P.19-P.22
G/PF	歐規& ISO管用圓柱螺紋標準絲攻選用Europ & ISO Pipe Parallel thread standard option	P.23-P.24
Rp/PS	歐規& ISO管用圓柱螺紋標準絲攻選用Europ & ISO Pipe Parallel thread standard option	P.23-P.24
Rc/PT	歐規& ISO管用圓柱螺紋標準絲攻選用Europe & ISO Pipe Taper thread standard option	P.25-P.26
PTF	美規管用乾封圓錐螺紋標準絲攻選用 Short Pipe Taper Dryseal thread standard option	P.25-P.26
NPTF	美規管用乾封圓錐螺紋標準絲攻選用 National Pipe Taper Dryseal thread standard option	P.27-P.28
NPT	美規管用圓錐螺紋標準絲攻選用 National Pipe Taper thread standard option	P.27-P.28
NPSM	美規管用圓柱螺紋標準絲攻選用 National Pipe Parallel thread standard option	P.29-P.30
NPSF	美規管用乾封圓柱螺紋標準絲攻選用 National Pipe Parallel Dryseal thread standard option	P.29-P.30
HC-M	護套公制螺紋標準絲攻選用 Heli-Coil Metric thread standard taps option	P.31-P.32
HC-UN	護套統一螺紋標準絲攻選用 Heli-Coil Unified thread standard taps option	P.33-P.34
Tr	公制梯形螺紋標準絲攻選用 Trapezoidal Metric thread standard taps option	P.35
ACME	美規梯形螺紋標準絲攻選用 ASME Trapezoidal thread standard taps option	P.36
TW	歐規梯形螺紋標準絲攻選用 Europe Trapezoidal thread standard taps option	P.36
ACME- STUB	美規梯形淺螺紋標準絲攻選用 ASME STUB Trapezoidal thread standard taps option	P.36
V/Vg- CTV	汽門嘴螺紋標準絲攻選用Cycle Tire Valve standard thread taps option	P.37
BC/BSC	自行車螺紋標準絲攻選用 Bicycle & Cycle standard thread taps option	P.38-P.40
NGT	國家瓦斯閥門螺紋標準絲攻選用 National Gas valve standard thread taps option	P.38-P.40
NGO	國家瓦斯閥門螺紋標準絲攻選用 National Gas valve standard thread taps option	P.38-P.40
PZ	中國瓦斯閥門螺紋標準絲攻選用 China Gas valve standard thread taps option	P.38-P.40
BUTT	碟形(非對稱)梯形螺紋標準 Butter (3°/30° & 7°/45°)Trapezoidal Thread standard	P.38-P.40
XXX	客製化螺紋標準設計 Custom-made thread standard Designed	

Standard	螺紋牙銑刀選用&螺紋標準 索引 Thread Milling Option & Thread Standard Index	P.45
M/MJ / HC-M	公制螺紋&航太標準螺紋牙銑刀選用 Metric & Aerospace & Heli-Coil Metric Standard Thread Milling option	P.46
UN / UNJ BC/ HC-UN	統一螺紋& 航太螺紋 & 自行車螺紋 & 護套 絲攻選用 Unified & Aerospace & Bicycle & Heli-Coil Unified Thread Milling option	P.47-P.48
G(PF)/ Rp(PS)/ Rc(PT)	ISO & 歐規管用圓柱暨管用圓錐螺紋標準牙銑刀選用 ISO & Europe Pipe Parallel & Taper Standard Thread Milling option	P.49
NPSM(I)/ NPSF / NPT/ NPTF/	美規管用圓柱暨管用圓錐螺紋標準牙銑刀選用 ASME National Pipe Parallel & Taper Standard Thread Milling option	P.50
Tr /ACME/ ACME-STUB / TW	公制&美規&歐規梯形螺紋標準牙銑刀選用 Trapezoidal & ASME Trapezoidal Standard Thread Milling option	P.51
Standard	可調丸駒選用&螺紋標準 索引 Adj. Round Dies Option & Thread Standard Index	P.52
M	公制螺紋標準可調丸駒(圓板牙)選用 Metric Thread Adj. Round Dies option	P.53
(W)/ UNC/ UNF/ UNEF/ UN / UNS	(惠氏) & 統一螺紋標準可調丸駒(圓板牙)選用 (Witworth) & Unified Thread standard Adj. Round Dies option	P.54
G(PF)/ Rp(PS)/ NPSM(I)(L)	ISO歐規管用圓柱& 美規管用圓柱螺紋標準丸駒(圓板牙)選用 ISO & Europe & ASME Pipe Parallel thread Standard Adj. Round Dies option	P.55
R(PT)/ NPT / NPTF / PTF	ISO歐規管用圓錐& 美規管用圓錐螺紋標準丸駒(圓板牙)選用 ISO & Europe & ASME Pipe Taper thread Standard Adj. Round Dies option	P.56
Standard	帶柄可調丸駒選用&螺紋標準 索引 Adj. Round Dies Option & Thread Standard Index	P.52
M	公制螺紋標準可調丸駒(圓板牙)選用 Metric Thread Adj. Round Dies	P.57
(W)/ UNC/ UNF/ UNEF/ UN / UNS	(惠氏) & 統一螺紋標準可調丸駒(圓板牙)選用 (Witworth) & Unified Thread standard Adj. Round Dies with shank	P.57
G(PF)/ Rp(PS)/ NPSM(I)(L)	ISO歐規管用圓柱& 美規管用圓柱螺紋標準丸駒(圓板牙)選用 ISO & Europe & ASME Pipe parallel thread standard Adj. Round Dies with shank	P.58
R(PT)/ NPT / NPTF / PTF	ISO歐規管用圓錐& 美規管用圓錐螺紋標準丸駒(圓板牙)選用 ISO& Europe & ASME Pipe Taper & Dryseal thread standard Adj. Round Dies with shank	P.58
Standard	牙板片 & 牙只 & 牙只刀把 & 銑牙輪 Thread Chasers & Thread Milling Wheel	
M & UN & Pipe parallel & Pipe Taper	TC 牙攻牙板片& DC 丸駒牙板片 Taps Chaser & Dies Chaser Option	P.59
	牙只.全鎢鋼 & 牙只刀把 Dies Chaser.Solid Carbide & Adjustable Dies Holder with shank	P.60
	銑牙輪.全鎢鋼-自動車床用 Thread Milling Wheel. Solid Carbide for CAM Auto-lathe	P.61

被削材質 Material of Workpiece	絲攻種類 Taps Type	工具記號 Tool Mark	螺紋尺寸 Thread size	倒角 Chamfer Length	螺紋孔形式 Hole type	切屑形式 Chip Type
硬鋼,硬度>40度HRC, Hard Steel,Hardness>40HRC	● 直溝絲攻,全鎢鋼 St.TC &	#A, #AS	D≥M3, P≥0.5	2P-5P	通孔/盲孔 Through/Blind	短屑 /short
	● 直溝絲攻,焊鎢鋼 St.T.WC	#A, #AS	D≥M12, P≥0.5	2P-5P	通孔/盲孔 Through/Blind	短屑 /short
鑄鐵,Cast Iron FC80, 球墨鑄鐵 Ductile Casted Iron FCD400 電木,Bakelite, 無鉛青銅 No lead Bronze C87800/ C46400/ 塑膠+纖維,Plastic+fiber, 鋅合金Zinc alloy	● 鎢鋼直溝絲攻 St.TC & WC Carbide Straight Flute Taps	#A #AO	D≥M8,P≤2.0 D≤M6,P≤1.0	2P	通孔/盲孔 Through/Blind	長屑 longer chip
	● 全鎢鋼及焊鎢鋼,螺旋溝絲攻 Solid & Welded Carbide- Spiral Taps	#A #OC	5≤D≤60,0.5≤P≤2.0 1.4≤D≤6,0.3≤P≤1.0	2P-3P	盲孔/Blind	短屑/長屑 Short/Longer
	○ 含鈷高速鋼螺旋溝絲攻 SpT.Hc HSS-Co Carbide Spiral Flute Taps	#A/#C	10≤D60, 1.0≤P≤4.0	1.5~2.5P	通孔/盲孔 Through/ Blind	長屑 longer chip
青銅 Bronze, 黃銅Brass	● 鎢鋼全及焊,直溝絲攻 St.TC & WC Carbide Straight Flute Taps	#BC / #A #O	D≥M8,P≤2.0 D≤M6,P≤1.0	2P	通孔/盲孔 Through/Blind	短屑 /short
	● 全鎢鋼,直溝絲攻 St.TC Solid Carbide Straight Flute Taps	#CR #O	D≥M8,P≤2.0 D≤M6,P≤1.0	1.5-5P	通孔 Through	短屑 /short
鋁合金(6061-T6,ADC) Aluminum Alloy (6061-T6,ADC12) 鋁,Aluminum(AC) 紅銅管,Copper Pipe 軟鋼/鐵,Soft steel/Iron 鈦合金Titanium Alloy	● 焊鎢鋼,直溝絲攻 St.T.WC Welded Carbide Straight Flute Taps	#A	D≥M12,PD2.0		盲孔 Blind	短屑/長屑 Short/Longer
	● 全鎢鋼先端溝絲攻 PoT.SC Carbide Pointed Taps	#O / #C	2.5≤D≤16, 0.45≤P≤2.0	5P-6P	通孔 / Through	長屑 longer chip
	● 全鎢鋼螺旋溝絲攻 SpT.SC Solid Carbide Spiral Flute Taps	#C / #A #OA	3≤D≤16,0.5≤P≤2.0 1.4≤D≤6,0.3≤P≤1.0	2P-5P	通孔/盲孔 Through/Blind	短屑/長屑 Short/Longer
	● 焊鎢鋼螺旋溝絲攻 SpT.WC Welded Carbide Spiral Flute Taps	#C / #A #OA	16≤D≤60, 1.0≤P≤3.0 1.4≤D≤20, 0.3≤P≤1.0	2P-5P	通孔/盲孔 Through/Blind	短屑/長屑 Short/Longer
	○ 含鈷高速鋼螺旋溝絲攻 SpT.Hc HSS-Co Carbide Spiral Flute Taps	#A/#C	10≤D60, 1.0≤P≤4.0	1.5~2.5P	通孔/盲孔 Through/ Blind	長屑 longer chip
	○ 含鈷高速鋼無屑絲攻 RFT.Hc HSS-Co Fluteless(Roll) Taps	#RT	6≤D≤45 1.0≤P≤3.5	4P/2P	通孔/盲孔 Through/ Blind	NO
	● 鎢鋼無屑(擠壓)絲攻 RFT.SC Carbide Fluteless(Roll) Taps	#RT	1.6≤D≤16 0.3≤P≤2.0	4P/2P	通孔/盲孔 Through/Blind	NO
	● 全鎢鋼直溝絲攻 St.TC Carbide Straight Flute Taps	#A/#CR #OA	2≤D≤16, 0.4≤P≤2.0	5P	通孔 / Through	長屑 longer chip
	● 焊鎢鋼直溝絲攻 St.T.WC Carbide Straight Flute Taps	#A / #CR	12≤D≤60, 0.5≤P≤4.0	5P	通孔 / Through	長屑 longer chip
	● 全鎢鋼先端溝絲攻 PoT.SC Carbide Pointed Taps	#O / #C	3≤D≤16, 0.5≤P≤2.0	5P-6P	通孔 / Through	長屑 longer chip
不銹鋼,Stainless Steel SUS304, SUS316L, SUS630 鈦合金 Inconel 718, 625 鈦合金Titanium Alloy	○ 含鈷高速鋼先端溝絲攻 PoT.Hc HSS-Co Pointed Taps	#O / #C	5≤D≤24, 0.8≤P≤3.0	5P-6P	通孔 / Through	長屑 longer chip
	○ 含鈷高速鋼螺旋溝絲攻 SpT.Hc HSS-Co Carbide Spiral Flute Taps	#A/#C	10≤D60, 1.0≤P≤4.0	1.5~2.5P	通孔/盲孔 Through/ Blind	長屑 longer chip
	○ 含鈷高速鋼無屑絲攻 RFT.Hc HSS-Co Fluteless(Roll) Taps	#RT	6≤D≤45 1.0≤P≤3.5	4P/2P	通孔/盲孔 Through/ Blind	NO
	○ 鎢鋼無屑絲攻 RFT.SC Carbide Fluteless(Roll) Taps	#RT	1.0≤D≤16 0.25≤P≤2.0	4P/2P	通孔/盲孔 Through/ Blind	NO

螺紋與柄部標準 Thread Standard And Shank Standard

螺紋標準(Thread Standard)				柄部標準(JIS (shank & square))				DIN shank		美刀柄		側固柄			
公稱螺紋	代號	山形	難度	公稱螺紋	代號	山形	難度	柄徑 mm	方頭K	柄徑 mm	方頭K	柄徑 mm	柄徑 mm		
公制螺紋	M	60	0	英規惠氏粗螺紋	BSW	55	0	3.0	2.5*5	22.0	17*20	2.5	2.1	4	6
統一螺紋粗牙	UNC	60	0	英規惠氏細螺紋	BSF	55	0	4.0	3.2*6	23.0	17*20	2.8	2.1	6	8
統一螺紋細牙	UNF	60	0	惠氏螺紋	W	55	0	5.0	4*7	24.0	19*22	3.5	2.7	8	10
統一螺紋極細牙	UNEF	60	0	歐規平行管螺紋	PF	55	0	5.5	4.5*7	25.0	19*22	4.0	3	10	12
統一螺紋選用	UN	60	0	歐規平行管螺紋	PS	55	0	6.0	4.5*7	26.0	21*24	4.5	3.4	12	14
統一螺紋	UNS	60	0	歐規錐度管螺紋	PT	55	1/16	6.1	5*8	28.0	21*24	6.0	4.9	16	16
美規平行管螺紋	NPSM	60	0	日規平行管螺紋	PJ	55	0	6.2	5*8	30.0	23*26	7.0	5.5	20	18
美規乾封平行螺紋	NPSF	60	0					7.0	5.5*8	32.0	26*30	8.0	6.2	25	20
美規平行管螺紋	NPSL	60	0	ISO平行管螺紋	G	55	0	8.0	6*9	35.0	26*30	9.0	7	32	25
美規消防平行管螺紋	NPSH	60	0	ISO平行管螺紋	Rp	55	0	8.5	6.5*9	38.0	29*32	10.0	8.0		32
美規平行管螺紋	NPSI	60	0	ISO錐度管螺紋	Rc	55	1/16	9.0	7*10	40.0	32*35	11.0	9.0		40
美規平行管螺紋	NPSC	60	0	ISO錐度管螺紋	R	55	1/16					12.0	9.0		
美規消防錐度管螺紋	NH	60	0					10.5	8*11			14.0	11.0	銑刀柄	側固柄
美規錐度錐度管螺紋	NPT	60	1/16	公制梯形螺紋	Tr	30	0	11.0	9*12			16.0	12.0	柄徑 mm	柄徑 mm
美規乾封錐度螺紋	NPTF	60	1/16	舊公制梯形螺紋	TM	30	0	12.0	9*12			18.0	14.5		
美規乾封短螺紋	PTF	60	1/16	艾克姆螺紋	ACME	29	0	12.5	10*13			20.0	16.0	1/2"	1/2"
美規瓦斯錐度螺紋	NGT	60	1/16	淺艾克姆螺紋	STUB	29	0	14.0	11*14			22.0	18.0	9/16"	9/16"
美規瓦斯平行螺紋	NGO	60	0	英制梯形螺紋	TW	29	0	15.0	12*15			25.0	20.0	5/8"	5/8"
特殊瓦斯錐度螺紋	SGT	60	1/16	公制鋸齒型螺紋	BUTT	33	0					28.0	22.0	3/4"	3/4"
				英制鋸齒型螺紋	BUTT	52	0	17.0	13*16			32.0	24.0	7/8"	7/8"
日規氣嘴螺紋	CTV	60	0	薄鐵管螺紋	Pg	80	0	18.0	14*17			36.0	29.0	1"	1"
日規氣嘴螺紋	TV	60	0	公制圓弧螺紋	Rd	30	0	19.0	15*18			40.0	32.0	1.1/4"	1.1/4"
歐規氣嘴螺紋	V	60	0					20.0	15*18						
針車螺紋	SM	60	0												
英規自行車螺紋	BSC	60	0												
日規自行車螺紋	BC	60	0												

操作設備注意事項說明/思考概要(Association and precaution of using thread tools)

操作設備注意事項說明

攻牙設備主軸導程(牙距)穩定(適合高精度攻牙): 專用機\CNC數控車床\CNC中心機
Stable tapping machine spindle lead (tap pitch), suitable for high precision tapping:
special purpose machine\CNC lathes\CNC machine center.

設備主軸導程(牙距)不穩定(不適合高精度攻牙): 立式鑽床\儀表車床
Unstable drilling machine spindle lead (tap pitch) table, not suitable for high precision tapping:
vertical drilling machines\ gauge lathes.

加工狀態檢驗如下:

In process inspection:

- 攻牙設備主軸，檢驗主軸轉動偏差是否穩定(偏差量建議0.01mm以內)。
Check if the deviation of the main spindle is stable (suggested deviation under 0.01 mm).
- 主軸連結刀具夾頭，檢驗刀具夾頭轉動偏差是否穩定(偏差量建議0.01mm以內)。
Spindle is connected to the tap screw chuck. Check whether the tape screw chuck rotation deviation is stable (suggested deviation is under 0.01 mm).
- 刀具主軸，檢驗裝夾後的刀具主軸轉動偏差是否穩定(偏差量建議0.01mm以內)。
Check whether the rotation deviation of tap screw spindle mounted with chuck is stable (suggested deviation is under 0.01 mm).
- 檢驗產品加工前的孔位軸心是否與刀具軸心在同軸心上，如此可確保刀具加工過程沒有重複歪斜抖動，造成崩裂。
Check whether the axis of the hole location before tapping process is on the same axis as the tap screw axis to prevent repeated tilting, shaking, and collapse of tap screw.
- 攻牙前的下孔徑尺寸是否適當，下孔徑太小則加工阻力太大，絲攻易損壞。
Check whether the bottom hole dimension is appropriate before tapping. If the bottom hole is too small, the resistance of tapping process will be too high and cause damage to the thread tap.
- 絲錐等刀具問題，使用過程供應商針對尺寸精度作質量保證，其餘使用過程產生之異像，必須請使用者檢視上述幾點使用注意事項，方能改善。
For issues related to tap screw and cutting tools, the suppliers should guarantee the precision of dimensions for the screws and tools. For abnormal situations during the use processes, please have the user check the above items to make improvements.

超硬鎢鋼螺絲攻使用建議事項:



- 請使用牙距同步進給之導程穩定攻牙機械。
Please use tapping machine of stable pitches.
- 切削油劑請使用油性切削油最穩定。
Please use the greasy cutting compound,when cuts the oil emulsions to be most suitable.
- 依被切削材之性質及螺紋尺寸變更攻牙轉速。
According to the material of work piece and the size of thread change the tapping speed.

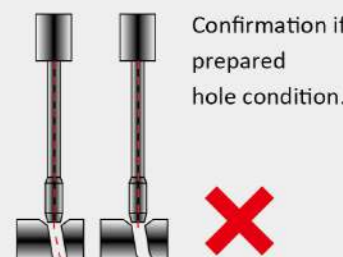
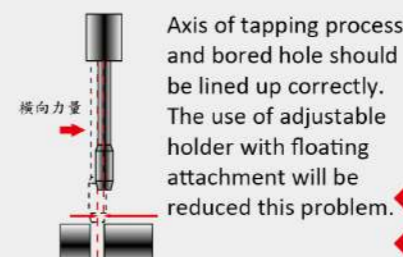
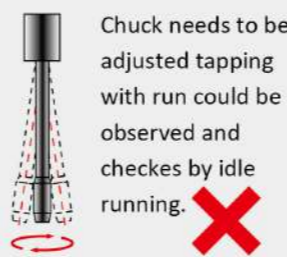
Run out,misalignment,inclined hole/cutting at inclined hole

Over-cutting at radial direction.

●Run out during tapping

●Misalignment during tapping

●Inclined hole/Cutting at inclined hole





客戶名稱(Company) :	聯絡人(Contact) :
電話(Tel) :	傳真(Fax) :

客戶需求確認單-牙攻(Requirement of order list-Taps)

序號 NO.	A. 產品種類 A. Product Type	B. 標準規格-牙距-精度 B. Thread Standard- Size- Class	C. 工件材質 C. Workpiece Material	D. 貫穿/不貫穿 D. Through or not	E. 鑽孔深度 E. Drilling Length	F. 螺紋深度 F. Threading Length	P. 剛性攻牙 或否 Rigid tapping or not	Q. 檢驗要求 Quality Control	R. 特殊需求 Special Request
1									
2									
3									
4									
5									
6									

C. 工件材質 Material of workpiece :

1. 材質類別名稱 (Material Nominal Name) 2. 材質編號 (Material Code)
3. 材質切屑長狀 & 短狀 & 粉末狀 (Longer chips or shorter chips or powder chips)

P. 攻牙方式 Process of Tapping:

1. CNC 數控伺服機械剛性攻牙, 2. 螺桿設備鋼性攻牙, 3. 齒輪設備鋼性攻牙, 4. 凸輪機自動車床 5. 鑽孔台(牙距不穩定)浮動攻牙, 6. 手動攻牙。
1. CNC Sever Machine Rigid Tapping, 2. Bolt Screw Machine Rigid Tapping, 3. Gear Machine Rigid Tapping, 4. CAM Auto-Lathe
5. Drilling Machine (unstable Pitch) Tapping, 6. Hand Re-tapping

Q. 檢驗要求 Quality Control:

1. 一般牙規合格 (general satisfy thread gauge), 2. 滿足 1 和指定小徑 (satisfy P.D. & Minor D. gauge)。
3. 滿足 1&2 指定大徑 (satisfy P.D. & Minor Dia. & Major Dia. gauge) 4. 滿足 1,2,3 預留後製程 (satisfy 1,2,3.gauge & coating or other final process)。

R. 特殊需求 Special Request :

- 預留尺寸因應後製程加大尺寸 或後製程縮小尺寸 1. 熱處理 2. 滲碳 3. 超深冷處理 4. 電鍍塗層 5. 陽極 6. 其他。
Enlarge or Reduce size for final process 1. thermal treatment 2. Carburization, 3. Ultra-cryogenic treatment 4. Coating 5. Surface Anodizing 6. others。

客戶需求確認單-刀頭 (Requirement of order list-Dies)

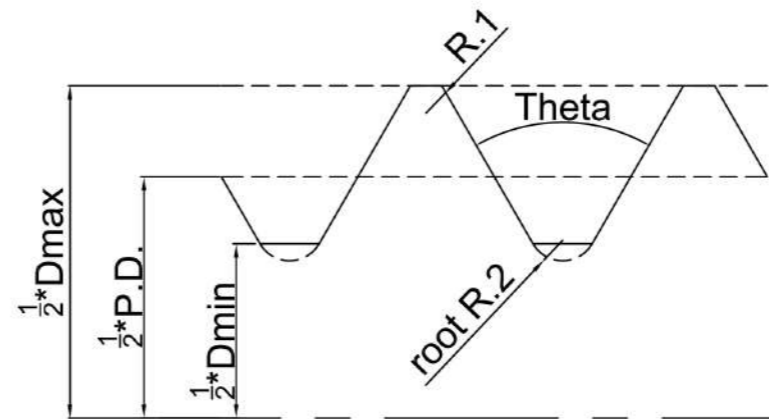
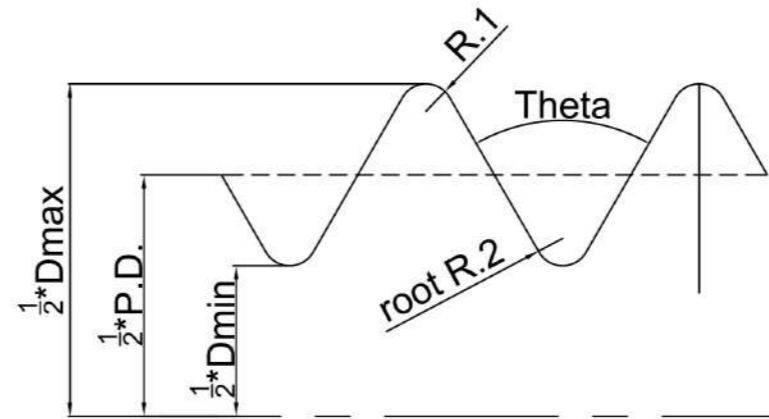
序號 NO.	A. 產品種類 A. Product Type	B. 標準規格-牙距-精度 B. Thread Standard- Size- Class	C. 工件材質 C. Workpiece Material	D. 貫穿/不貫穿 D. Through or not	E. 鑽孔深度 E. Drilling Length	F. 螺紋深度 F. Threading Length	P. 剛性攻牙 或否 Rigid tapping Process or not	Q. 檢驗要求 Quality Control	R. 特殊需求 Special Request
1									
2									
3									
4									
5									

C. 工件材質 Material of workpiece :

1. 材質類別名稱 (Material Nominal Name) 2. 材質編號 (Material Code) 3. 材質切屑長狀 & 短狀 & 粉末狀 (Longer chips or shorter chips or powder chips)

備註 :

#C.45 / #C.5		#A.8 / #C.7		#C.5	#C.7	#C.7	#A.7 / #BC	#A.7	#BC / #C / #O	#CH / #O	
SL 鋼系	SKD / SKH 模具鋼 高速鋼	SUS 不銹鋼	FCD 鑄鐵系	#A Others 其他	NC / Titanium 鎳基 / 鈦系	Aluminum Die Casted 鋁擠型系	Aluminum Ext. 鋁擠型系	BeCu 鈹青銅	Lead Free Brass 無鉛銅系	HPb Bass 鉛黃銅系	紅銅 / 紫銅
Steel : S45C SCM SNM	SKD11 SKD61 SKH9 (M2) SKH55 (M35) SKH59 (M42)	Stainless SUS304 SUS316 SUS630	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel	Nical: Inc718 Inc624 Titanium : Ti6Al4V Ti-6-4	Aluminum ADC12 ADC15 A380 A290	Aluminum 6061-T6 7075-T7	鎳青銅 磷青銅 鈹青銅	Brass: C6300 黃銅 C87800 鉍銅 Bronze C46400 青銅	Brass C36000 黃銅 HPb62-3 85>Cu>80%	Cooper tube Cu > 90%



常見問題 - 螺紋規範、規格、精度、尺寸品管考量

問 Q1.	螺紋規範、規格、精度 如何區分內螺紋? 外螺紋? 精度? 單位?
答 Ans	每種螺紋都有對應的螺紋標準螺紋代號、規格、精度 例如 M6*1.0-6H 代表公制(Metric) 規格外徑6mm 牙距1.0 mm, 精度6H表示內螺紋(正容許量), 若為6h表示外螺紋(負容許量)。 UNC1/4-20-2B代表統一螺紋(Unified), 規格外徑1/4"=6.35mm, 牙距20 T.P.I. 為每英寸20個牙(每個牙距25.4/20=1.27mm)常見精度2B表示內螺紋(正容許量), 2A表示外螺紋(負容許量)。(通常公制外徑mm配合公制牙距mm & 英寸外徑inch 配合英寸牙距T.P.I.)
問 Q2.	螺紋品管要求, 螺紋規範&規格外徑 & 精度等級&品管標準(牙規 或 實配) 必須同時考量!
答 Ans	通常根據客戶需求的螺紋規範精度選用牙規(精密度較高且穩定, 但必須定期校對), 內牙用栓規(Thread Plug gauge), 外螺紋用環牙規(Thread ring gauge), 本公司 [有暖精密] 可根據客戶需求之中徑、大徑、小徑要求各別滿足或同時滿足之高要求訂製螺紋工具。
問 Q3.	預留尺寸滿足後處理 (如 電鍍, 陽極, 滲碳, 熱處理, ...等常見後處理手段)
答 Ans	1. 先確認後處理的單邊膜厚? (電鍍膜厚? 陽極膜厚?) 2. 先確認熱處理變形量? 預留量? 3. 先確認機加工後的螺紋尺寸是否縮孔??或擴孔??
問 Q4.	機加工螺紋後是否合格?? 通規通到底 且止規止 (1P以內止規止住)
答 Ans	1. 先確認機加工後的螺紋是否合格? (參考P1~P5)
問 Q5.	如何定義預留尺寸, 滿足後處理前的檢驗, 流程製造商之責任區分清楚。
答 Ans	請與本公司有暖精密公司確認相關需求品管細節, 以利設計、報價與生產

螺紋製造流程&品管之常見問題 & 有暖精密之解決方案

問 P1.	螺紋縮孔問題? (新刀具加工後的問題、一般為通規不通&通不到底時)
答 Ans	使用該刀具以手動配合該工件, (緊密)難以巡入該工件或巡入後產生切屑, 此時判定為縮孔
問 P2.	螺紋擴孔問題? (新刀具加工後的問題、一般為止規通& 通規鬆入)
答 Ans	使用該刀具以手動配合該工件, (鬆動)容易巡入該工件或巡入一半深度搖晃, 此時判定為擴孔
問 P3.	螺紋通規不通問題? (新刀具加工後的問題、一般為通規不通&通不到底時)
答 Ans	檢驗方式如問題P1. (請洽有暖製作無此問題的螺紋工具)
問 P4.	螺紋止規不止問題?
答 Ans	檢驗方式如問題P2.(請洽有暖製作無此問題的螺紋工具)
問 P5.	螺紋通規不通且止規不止問題?
答 Ans	檢驗方式如問題P1.& P2.(請洽有暖製作無此問題的螺紋工具)
問 P6.	螺紋品管問題? (請洽有暖諮詢此Ans2-Ans3 高要求的螺紋工具)
答 Ans	(1.一般牙規(中徑)合格)、(2. 同時滿足中徑&小徑指定公差)、(3.同時滿足大徑、中徑、小徑都指定公差)
問 P7.	螺紋後處理問題? (請洽有暖諮詢此問題預留量的螺紋工具)
答 Ans	先確認後處理的單邊膜厚? (電鍍膜厚? 陽極膜厚? 滲碳?)
問 P8.	螺紋二次加工問題? (請洽有暖諮詢此問題預留量的螺紋工具)
答 Ans	先確認二次加工的機械設備& 夾治具
問 P9.	螺紋加工後再熱處理的加工問題?
答 Ans	先確認熱處理變形量? 預留量? (請洽有暖諮詢此問題預留量的螺紋工具)
問 P10.	熱處理後(預硬化)材質的螺紋加工問題?
答 Ans	(請洽有暖諮詢此問題預留量的螺紋工具)



Questions - Thread Specifications, Dimensions Accuracy, and Quality Control Considerations

Q1.	Thread specifications, standards, and precision: How to distinguish between internal and external threads? Precision? Units?
Ans	For example, M6*1.0-6H represents a metric thread M standard with an outer diameter of 6mm and a pitch of 1.0mm. Precision 6H indicates an internal thread (positive tolerance), while 6h indicates an external thread (negative tolerance). UNC1/4-20-2B represents a unified thread standard with an outer diameter of 1/4" = 6.35mm and a pitch of 20. T.P.I. (20 threads per inch, each pitch being 25.4/20 = 1.27mm). Common precisions are 2B for internal threads (positive tolerance) and 2A for external threads (negative tolerance). (Usually, metric outer diameter (mm) is paired with metric pitch (mm), and inch outer diameter (inch) is paired with inch pitch (T.P.I.).)
Q2.	For thread quality control requirements, thread specifications, outer diameter, accuracy class, and quality control standards (thread gauge or actual fit) must all be considered simultaneously!
Ans	Thread gauges are typically selected based on the thread specification accuracy required by the customer (high precision and stable, but must be calibrated regularly). Thread plug gauges are used for internal threads, and thread ring gauges are used for external threads. Our company [UGMIC] can customize thread tools to satisfy the high requirements of the customer's pitch diameter, major diameter, and minor diameter requirements individually or simultaneously.
Q3.	The dimensions are reserved to accommodate post-processing (such as electroplating, anodizing, carburizing, heat treatment, etc., common post-processing methods).
Ans	1. Confirm the thickness of the film on one side after processing? (Electroplating mold thickness? Anode film thickness?) 2. Confirm the deformation amount and allowance after heat treatment? 3. Confirm whether the thread size after machining results in shrinkage or enlargement?
Q4.	Is the machined thread up to standard? The go gauge should go all the way through, and the no-go gauge should stop (for threads within 1P, the no-go gauge should stop).
Ans	1. Confirm whether the machined threads are up to standard. (Refer to Problem 1-Problem 5)
Q5.	How to define the allowance size to meet the inspection requirements before post-processing, and how to clearly distinguish the responsibilities of the process manufacturer.
Ans	Please confirm the relevant quality control details with our company, UGMIC, to facilitate design, quotation, and production.

Thread manufacturing process & common quality control issues & UGMIC's solutions

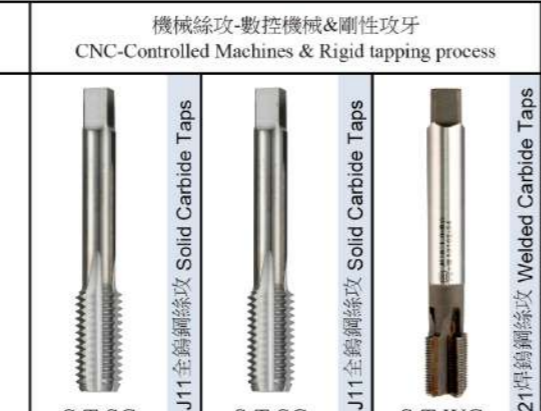
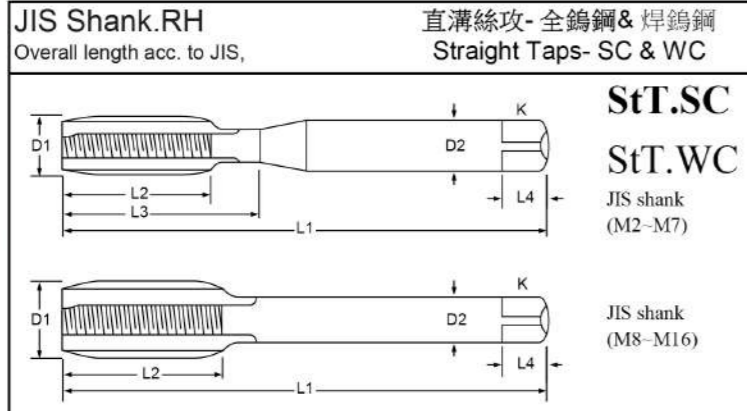
Issue1.	Thread shrinkage problem? (A problem after machining with new cutting tools, generally caused by a GO gauge not being able to pass through completely)
Ans	If the tool is used to manually engage the workpiece, and it is difficult to slide into the workpiece (closely) or chips are generated after sliding in, then it is determined to be a shrinkage cavity.
Issue2.	Thread enlargement issue? (Problems after machining with new cutting tools, generally due to go gauge being loose or not)
Ans	Using this tool to manually engage the workpiece, if it is loose, it is easy to insert into the workpiece or insert halfway and then wobble. In this case, it is determined to be a hole enlargement.
Issue3.	Problem with threaded go gauge not working? (This is a problem after machining with a new tool, generally when the go gauge is not working properly or doesn't go all the way through.)
Ans	The inspection method is as described in question P1. (Please contact UGMIC to order thread-feeding tools without this problem I 3.)
Issue4.	The thread stop gauge is not working properly?
Ans	The inspection method is as described in question P2. (Please contact UGMIC to order thread-feeding tools without this problem I 4.)
Issue5.	The threaded go gauge is not working and the no-go gauge is not working.
Ans	The inspection method is as described in question P2-3. (Please contact UGMIC to order thread-feeding tools without this problem I 5.)
Issue6.	Thread quality control issues? (Please consult UGMIC for high-requirement threading tools with Ans2-Ans3 ratings.)
Ans	(1. Meets general thread gauge (Pitch diameter) requirements), (2. Meets both specified tolerances for the middle and minor diameters), (3. Meets the specified tolerances for the major, Pitch, and minor diameters).
Issue7.	Thread post-processing issues? (Please consult UGMIC for threading tools that allow for this type of allowance.)
Ans	Confirm the thickness of the film on one side after processing? (Electroplating thickness? Anode film thickness? Carburizing thickness?)
Issue8.	Issues with secondary thread machining? (Please consult UGMIC for threading tools that allow for this type of machining allowance.)
Ans	Confirm the machinery and fixtures for secondary processing.
Issue9.	What is the allowance for machining dimensions after thread threading and subsequent heat treatment?
Ans	Confirm the amount of deformation caused by heat treatment? How is the allowance? (Please consult UGMIC for thread-feeding tools to determine the allowance for this issue.)
Issue10.	Problems with thread machining of heat-treated (pre-hardened) materials?
Ans	(Please consult UGMIC for thread-feeding tools to address this issue.)

JIS Shank.RH Overall length acc. to JIS,		機械絲攻-數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process & Rigid shank				
Dimension		StT.SC J11全鈦鋼絲攻 Solid Carbide Taps	StT.WC J21焊鈦鋼絲攻 Welded Carbide Taps	SpT.SC J12全鈦鋼絲攻 Solid Carbide Taps	SpT.WC J22焊鈦鋼絲攻 Welded Carbide Taps	SpT.Hc J32高純鈷合金黏結絲攻 HSS-Co(M35)
精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	NO	TiCN / NO	NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Solid Carbide	Welded Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=2P, 5P	CL= 2P,5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL= 2P
內冷孔	cooling center	Center / NO	NO	Center / NO	Center / NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-2P#C.7	6H-1.5P#C.7	6H-1.5P#C.7	6H-2P#C.5
Blind 不貫穿	Through 貫穿	Blind Through	Blind Through	Blind Through	Blind Through	Blind Through
應用工件材質		工具參數 Rekord		工具參數 Rekord		
Application-Material of workpiece		J.Stt.SC-6H-2P-#C.7	J.Stt.WC-6H-2P-#A.7	J.SPT.SC-6H-2P-#C.7	J.SPT.WC-6H-2P-#C.5	J.SPT.Hc-6H-2P-#A.7
鋼鐵系 Steel system Carbon Steel Model Steel Tool steel	S45C SCM SNCM SKD11	Hand Tap★	Hand Tap★	★ conditions	★ conditions	★★★
SUS 不銹鋼 Stainless Steel	SUS316 SUS304 SUS630	Hand Tap★	Hand Tap★	★ conditions	★ conditions	★★★
硬化鋼 Hardness steel	HRC > 28 HRC > 35 HRC > 45 HRC > 55 HRC > 60	Hand Tap★	Hand Tap★★	★ conditions	★ conditions	★★★
鎳基合金 Nickel based	Inconel 718 Inconel 625	Hand Tap★★★★	Hand Tap★★★★	★★ conditions	★★ conditions	★★
鈦合金Titanium	TI-6Al-4V	★★★	★★★	★★★	★★★	★★
FCD球墨鑄鐵 FC灰口鑄鐵	FCD S40~S200 FC 20~200	★★★	★★★	★★★	★★★	★
其他材料 @A Others	carbon epoxy碳纖 glass epoxy玻纖 plastic工程塑膠	★★★	★★★	★★★	★★★	★★
AL 鋁合金系 Aluminum alloy Extruding & Die Casted	T6-6061 T7-7075 ADC12,ADC15 A380,A290	★★	★★	★★★	★★★	★★
鋅合金 Zine	Zine Alloy	★★★	★★★	★★★	★★★	★★
BC 銅系 Brass Brobze Lead free Brass Lead free Brobze Red Cooper	黃銅(58%Cu<62%) 鋁青銅(56%Cu<65%) 無鉛無鈹黃銅46400 無鉛青銅(Cu>60%) 鎳金銅(Cu>80%) 紅銅(Cu>90%)	★★★	★★★	★★★	★★★	★★
材料特性&應用 Material characteristic & Application		有色金屬 Non-ferrous metal	高硬度 high hardness Non-ferrous	有色金屬 Non-ferrous metal	有色金屬 Non-ferrous metal	鋼鐵金屬 ferrous metal
適用切屑特性 chips type	手動攻絲 Hand Tapping 機械剛性攻絲 Rigid tapping	短屑&長屑 short & longer	短屑short	短屑&長屑 short & longer	短屑&長屑 short & longer	長屑 longer 短屑&長屑 short & longer

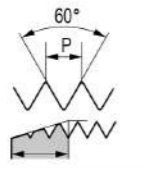
JIS Shank.RH Overall length acc. to JIS,		機械絲攻-數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process & Rigid shank			
Dimension		PoT.SC J13全鈦鋼絲攻 Solid Carbide Taps	PoT.Hc J33高純鈷合金黏結絲攻 HSS-Co(M35)	RFT.SC J14全鈦鋼絲攻 Solid Carbide Taps	RFT.Hc J34高純鈷合金黏結絲攻 HSS-Co(M35)
精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	RH2-RH12	RH2-RH12
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=5P	CL= 5P	CL=2P / 4P	CL=2P / 4P
內冷孔	cooling center	Center / NO	NO	Center / NO	NO
工具記號	tool rekord	6H-5P#C.5	6H-5P#C.5	2P-RH3	2P-RH3
Blind 不貫穿	Through 貫穿	Through 貫穿	Through 貫穿	Blind Through	Blind Through
應用工件材質		工具參數 Rekord			
Application-Material of workpiece		J.PoT.SC-6H-2P-#C.7	J.PoT.Hc-6H-2P-#C.5	J.RFT.SC-2P-RHX	J.RFT.Hc-2P-RHX
鋼鐵系 Steel system Carbon Steel Model Steel Tool steel	S45C SCM SNCM SKD11	★★★	★★★	★★★	★★★
SUS 不銹鋼 Stainless Steel	SUS316 SUS304 SUS630	★★★	★★★	★★★	★★★
硬化鋼 Hardness steel	HRC > 28 HRC > 35 HRC > 45 HRC > 55 HRC > 60	★★★	★★★	★★★	★★★
鎳基合金 Nickel based	Inconel 718 Inconel 625	★★★	★★	★★★	★★
鈦合金Titanium	TI-6Al-4V	★★	★★	★★★	★★★
FCD球墨鑄鐵 FC灰口鑄鐵	FCD S40~S200 FC 20~200	★★	★	*	*
其他材料 @A Others	carbon epoxy碳纖 glass epoxy玻纖 plastic工程塑膠	★★★	★★	★★	★
AL 鋁合金系 Aluminum alloy Extruding & Die Casted	T6-6061 T7-7075 ADC12,ADC15 A380,A290	★★★	★★	★★★	★★★
鋅合金 Zine	Zine Alloy	★★	★★	★★★	★★★
BC 銅系 Brass Brobze Lead free Brass Lead free Brobze Red Cooper	黃銅6802 青銅 無鉛黃銅46400 無鉛青銅(Cu>60%) 鎳金銅(Cu>80%) 紅銅(Cu>90%)	★★★	★	★★	★
材料特性&應用 Material characteristic & Application		有色金屬 Non-ferrous metal	鋼鐵金屬 ferrous metal	延展性材料 Ductile Materials	延展性材料 Ductile Materials
適用切屑特性 chips type	手動攻絲 Hand Tapping 機械剛性攻絲 Rigid tapping	長屑 longer	長屑 longer	無屑no chips	無屑no chips



- M/MJ P.3~6
- UNC UNJC P.7~10
- UNF/ UNJF P.11~14
- UNEF/ UNJEF P.15~18
- W/BSW WF/BSF P.19~22
- G/PF Rp/PS P.23~24
- Re/PT PTFE P.25~26
- NPTF NPT P.27~28
- NPSM NPSF P.29~30
- HC-M P.31~32
- HC-UN P.33~34
- Tr P.35
- ACME TW ACME-STUB P.36
- V/Vg-CTV P.37
- BC/BSC P.38~40
- NGT NGO PZ



M/ MJ
Metric & Aerospace
ISO / ANSI
thread 60° & parallel

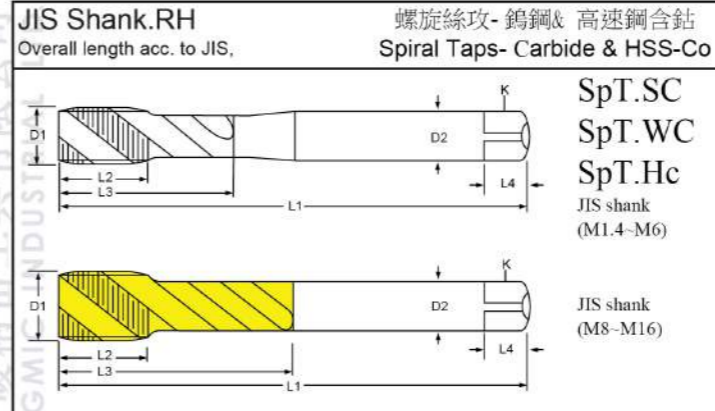


精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P, 5P	CL=2P,5P	CL= 2P,5P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-2P#C.5	6H-2P#C.7

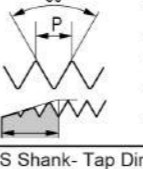
日規柄-絲攻尺寸 JIS Shank- Tap Dimension							工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimension ID	J.SiT.SC-6H-2P-#C.7	Flutes	J.SiT.SC-6H-2P-#C.5	Flutes	J.SiT.WC-6H-2P-#A.7	Flutes
Nominal	Pitch	O.L.	C.L.	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
2.5	0.45	50	15P		3	2.5*5	J11.M025P045	#0.7	2	#0.5	2	*	
3	0.5	50	15P		4	3.2*6	J11.M030P050	#0.7	3	#0.5	3	*	
3.5	0.6	50	15P		4	3.2*6	J11.M035P060	#0.7	3	#0.5	3	*	
4	(0.5~)0.7	50	15P		5	4*7	J11.M040P070	#0.7	3	#0.5	3	*	
4.5	0.75	50	15P		5	4*7	J11.M045P075	#0.7/#A.7	3	#0.5/#A.5	3	*	
5	(0.5~)0.8	60	15P		5.5	4.5*7	J11.M050P080	#0.7/#A.7	3	#0.5/#A.5	3	*	
6	(0.5~)1.0	60	15P		6	4.5*7	J11.M060P100	#0.7/#A.7	3	#0.5/#A.5	3	*	
8	(0.5~)1.25	70	15P		6.2	5*8	J11.M080P125	#C.7/#A.7	4	#0.5/#A.5	4	*	
10	(1.0~)1.5	75	15P		7	5.5*8	J11.M100P150	#C.7/#A.7	4	#0.5/#A.5	4	*	
12 @	(1.0~)1.75	75	15P		8.5	6.5*9	J11.M120P175-S	#C.7/#A.7	4	#0.5/#A.5	4	*	
12	(1.0~)1.75	82	15P		8.5	6.5*9	J11.M120P175	#C.7/#A.7	4	#0.5/#A.5	4	*	
14 @	(1.0~)2.0	75	15P		10.5	8*11	J11.M140P200-S	#C.7/#A.7	4	#0.5/#A.5	4	*	
14	(1.0~)2.0	90	15P		10.5	8*11	J11.M140P200	#C.7/#A.7	4	#0.5/#A.5	4	*	
16 @	(1.0~)2.0	75	15P		12.5	10*13	J11.M160P200-S	#C.7/#A.7	4	#0.5/#A.5	4	*	
16	(1.0~)2.0	95	15P		12.5	10*13	J11.M160P200	#C.7/#A.7	4	#0.5/#A.5	4	*	
12	(1.0~)1.5	85	18		10.5	8*11	J21.M120P150	*	*	#C.7/#A.7	4	*	
14	(1.0~)2.0	85	18		10.5	8*11	J21.M140P200	*	*	#C.7/#A.7	4	*	
16	(1.0~)2.0	100	18		12.5	10*13	J21.M160P200	*	*	#C.7/#A.7	4	*	
18	(1.0~)2.5	100	18		14	11*14	J21.M180P250	*	*	#C.7/#A.7	4	*	
20	(1.0~)2.5	100	18		15	12*15	J21.M200P250	*	*	#C.7/#A.7	4	*	
22	(1.0~)2.5	100	22		17	13*16	J21.M220P250	*	*	#C.7/#A.7	4	*	
24	(1.0~)3.0	100	22		19	15*18	J21.M240P300	*	*	#C.7/#A.7	4	*	
26	(1.0~)3.0	110	22		20	15*18	J21.M260P300	*	*	#C.7/#A.7	4	*	
27	(1.0~)3.0	110	22		20	15*18	J21.M270P300	*	*	#C.7/#A.7	4	*	
28	(1.0~)3.0	110	22		22	17*20	J21.M280P300	*	*	#C.7/#A.7	4	*	
30	(1.0~)3.5	110	22		23	17*20	J21.M300P350	*	*	#C.7/#A.7	4	*	
32	(1.0~)3.5	110	22		24	19*22	J21.M320P350	*	*	#C.7/#A.7	4	*	
33	(1.0~)3.5	110	22		25	19*22	J21.M330P350	*	*	#C.7/#A.7	4	*	
34	(1.0~)3.5	110	22		26	21*24	J21.M340P350	*	*	#C.7/#A.7	6	*	
36	(1.0~)3.5	110	22		26	21*24	J21.M360P350	*	*	#C.7/#A.7	6	*	
39	(1.0~)4.0	110	30		28	21*24	J21.M390P400	*	*	#C.7/#A.7	6	*	
42	(1.0~)4.0	120	30		32	28*26	J21.M420P400	*	*	#C.7/#A.7	6	*	
45-90	(1.0~)4.0			customized dimension				*	*	#C.7/#A.7	6	*	

http://www.ugmic.com.tw 有峻保留最終參數更改權利											
工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece											
應用工件材質 Application-Material of workpiece											
#C.45 / #C.5			#A.8 / #C.7			#C.5			#C.7		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	ferrous metal	高硬度 Non-ferrous	
Steel: S45C, SCM, SNCM, SKD11	Stainless SUS304, SUS316, SUS630	Nical: Inc718, Inc624	FC FCD S200, S400, S600	Epoxy Carbon Hardness steel	Aluminum ADC12, A380, 6061-T6, 7075-T7	Ti6Al4V, Ti-6-4	Brass: C46400, C6300, C87800, Bronze	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	

相關螺紋規格及加大尺寸及左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



M/ MJ
Metric & Aerospace
ISO / ANSI
thread 60° & parallel



精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL= 2P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	6H-1.5P#C.7	6H-1.5P#C.7	6H-2P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimension ID	J.SpT.SC-6H-1.5P#C.7	Flutes	J.SpT.WC-6H-1.5P#C.7	Flutes	J.SpT.Hc-6H-2P#C.5	Flutes
Nominal	Pitch	O.L.	C.L.	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
1.4	0.3	50	10P	3D1	3	2.5*5	J12.M014P030	#0.7	2	*	*	*	
1.6	0.35	50	10P	3D1	3	2.5*5	J12.M016P035	#0.7	2	*	*	*	
1.8	0.35	50	10P	3D1	3	2.5*5	J12.M018P035	#0.7	2	*	*	*	
2	0.4	50	10P	3D1	3	2.5*5	J12.M020P040	#0.7	2	*	*	*	
2.3	0.45	50	10P	3D1	3	2.5*5	J12.M023P045	#0.7	2	*	*	*	
2.5	0.45	50	10P	3D1	3	2.5*5	J12.M025P045	#0.7	2	*	*	*	
3	0.5	50	10P	3D1	4	3.2*6	J12.M030P050	#0.7	3	*	*	*	
3.5	0.6	50	10P	3D1	4	3.2*6	J12.M035P060	#0.7	3	*	*	*	
4	0.7	50	10P	3D1	5	4*7	J12.M040P070	#0.7	3	*	*	*	
4.5	0.75	50	10P	3D1	5	4*7	J12.M045P075	#0.7/#A.7	3	*	*	*	
5	0.8	60	10P	3D1	5.5	4.5*7	J12.M050P080	#0.7/#A.7	3	*	*	*	
6	(0.75~)1.0	60	10P	3D1	6	4.5*7	J12.M060P100	#0.7/#A.7	3	*	*	*	
8	(0.75~)1.25	70	10P	3D1	6.2	5*8	J12.M080P125	#0.7/#A.7	3	*	*	*	
10	(1.0~)1.5	75	10P	3D1	7	5.5*8	J12.M100P150	#0.7/#A.7	3	*	*	*	
12 @	(1.0~)1.75	75	10P	3D1	8.5	6.5*9	J12.M120P175-S	#0.7/#A.7	3	*	*	*	
12	(1.0~)1.75	82	10P	3D1	8.5	6.5*9	J12.M120P175	#0.7/#A.7	3	*	*	*	
14 @	(1.0~)2.0	90	10P	2.5D1	10.5	8*11	J12.M140P200	#0.7/#A.7	4	*	*	*	
14	(1.0~)2.0	95	10P	2.5D1	12.5	10*13	J12.M160P200	#0.7/#A.7	4	*	*	*	
5	0.8	60	10P	3D1	5.5	4.5*7	J32.M050P080	*	*	*	#0.5/#A.5	3	
6	(0.75~)1.0	60	10P	3D1	6	4.5*7	J32.M060P100	*	*	*	#0.5/#A.5	3	
8	(0.75~)1.25	70	10P	3D1	6.2	5*8	J32.M080P125	*	*	*	#0.5/#A.5	3	
10	(1.0~)1.5	75	10P	3D1	7	5.5*8	J32.M100P150	*	*	*	#0.5/#A.5	3	
12	(1.0~)1.75	82	10P	3D1	8.5	6.5*9	J32.M120P175	*	*	*	#0.5/#A.5	3	
14	(1.0~)2.0	90	10P	2.5D1	10.5	8*11	J32.M140P200	*	*	*	#0.5/#A.5	4	
16	(1.0~)2.0	95	10P	2.5D1	12.5	10*13	J32.M160P200	*	*	*	#0.5/#A.5	4	
18	(1.0~)2.5	100	10P	2.5D1	14	11*14	J32.M180P250	*	*	*	#C.7/#A.7	4	
20	(1.0~)2.5	110	10P	2.5D1	15	12*15	J32.M200P250	*	*	*	#C.7/#A.7	4	
22	(1.0~)2.5	115	10P	2.5D1	17	13*16	J32.M220P250	*	*	*	#C.7/#A.7	4	
24	(1.0~)3.0	120	10P	2.5D1	19	15*18	J32.M240P300	*	*	*	#C.7/#A.7	4	
27	(1.0~)3.0	130	10P	2.5D1	20	15*18	J32.M270P300	*	*	*	#C.7/#A.7	4	
16	(1.0~)2.0	95	12	2.5D1	12.5	10*13	J22.M160P200	*	*	#C.7/#A.7	4	*	
18	(1.0~)2.0	100	12	2.5D1	14	11*14	J22.M180P200	*	*	#C.7/#A.7	4	*	
20	(1.0~)2.0	110	12	2.5D1	15	12*15	J22.M200P200	*	*	#C.7/#A.7	4	*	
22	(1.0~)2.0	115	15	2.5D1	17	13*16	J22.M220P200	*	*	#C.7/#A.7	4	*	
24	(1.0~)2.0	120	15	2.5D1	19	15*18	J22.M240P200	*	*	#C.7/#A.7	4	*	
27	(1.0~)2.0	130	15	2.5D1	20	15*18	J22.M270P200	*	*	#C.7/#A.7	4	*	

http://www.ugmic.com.tw 有峻保留最終參數更改權利											
工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece											
應用工件材質 Application-Material of workpiece											
#C.45 / #C.5			#A.8 / #C.7			#C.5			#C.7		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	ferrous metal	高硬度 Non-ferrous	
Steel: S45C, SCM, SNCM, SKD11	Stainless SUS304, SUS316, SUS630	Nical: Inc718, Inc624	FC FCD S200, S400, S600	Epoxy Carbon Hardness steel	Aluminum ADC12, A380, 6061-T6, 7075-T7	Ti6Al4V, Ti-6-4	Brass: C46400, C6300, C87800, Bronze	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL, SUS, NC, FCD, AL, @A, BC,	

相關螺紋規格及加大尺寸及左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH		先端絲攻-全鎢鋼 & 高速鋼 Pointed Taps- SC & HSS-Co				機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process						
Overall length acc. to JIS,		 PoT.SC PoT.Hc JIS shank (M2-M7) JIS shank (M8-M16)				 RFT.SC RFT.Hc JIS shank (M1-M7) JIS shank (M8-M16)						
M/MJ	UNC/UNJC UNF/UNJF UNEF/UNJEF	 Metric & Aerospace ISO / ANSI thread 60° & parallel				 Metric & Aerospace ISO / ANSI thread 60° & parallel						
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification				工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimension ID		J.SC-PoT-6H-5P#C.5	Flutes	J.Hc-PoT-6H-5P#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.		ID					
Size D1	T.P.I.	L1	L2	L3	D2	K						
2.5	0.45	50	12P		3	2.5*5	J13.M025P045		#OA.5/ #C.5	2	*	
3	0.5	50	12P		4	3.2*6	J13.M030P050		#OA.5/ #C.5	3	*	
3.5	0.6	50	12P		4	3.2*6	J13.M035P060		#OA.5/ #C.5	3	*	
4	0.7	50	12P		5	4*7	J13.M040P070		#OA.5/ #C.5	3	*	
4.5	0.75	50	12P		5	4*7	J13.M045P075		#OA.5/ #C.5	3	*	
5	0.8	60	12P		5.5	4.5*7	J13.M050P080		#OA.5/ #C.5	3	*	
6	0.75	60	12P		6	4.5*7	J13.M060P075		#OA.5/ #C.5	3	*	
6	1.0	60	12P		6	4.5*7	J13.M060P100		#OA.5/ #C.5	3	*	
8	(0.75~)1.25	70	12P		6.2	5*8	J13.M080P125		#OA.5/ #C.5	3	*	
10	(1.0~)1.5	75	12P		7	5.5*8	J13.M100P150		#OA.5/ #C.5	3	*	
12 @	(1.0~)1.5	75	12P		8.5	6.5*9	J13.M120P150-S		#OA.5/ #C.5	3	*	
12 @	(1.0~)1.75	75	12P		8.5	6.5*9	J13.M120P175-S		#OA.5/ #C.5	3	*	
12	(1.0~)1.75	85	12P		8.5	6.5*9	J13.M120P175		#OA.5/ #C.5	3	*	
14 @	(1.0~)2.0	75	12P		10.5	8*11	J13.M140P200-S		#OA.5/ #C.5	4	*	
14	(1.0~)2.0	90	12P		10.5	8*11	J13.M140P200		#OA.5/ #C.5	4	*	
16 @	(1.0~)2.0	75	12P		12.5	10*13	J13.M160P200-S		#OA.5/ #C.5	4	*	
16	(1.0~)2.0	95	12P		12.5	10*13	J13.M160P200		#OA.5/ #C.5	4	*	
8	(1.0~)1.25	70	12P		6.2	5*8	J33.M080P125		*		#OA.5/ #C.5	3
10	(1.0~)1.5	75	12P		7	5.5*8	J33.M100P150		*		#OA.5/ #C.5	3
12	(1.0~)1.75	85	12P		8.5	6.5*9	J33.M120P175		*		#OA.5/ #C.5	3
14	(1.0~)2.0	90	12P		10.5	8*11	J33.M140P200		*		#OA.5/ #C.5	4
16	(1.0~)2.0	95	12P		12.5	10*13	J33.M160P200		*		#OA.5/ #C.5	4
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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece												
應用工件材質 Application-Material of workpiece												
#C.45 / #C.5		#A.8 / #C.7		#C.7		#C.5		#C.7		所有金屬		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous & ferrous metal		Non-ferrous & ferrous metal		
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800	Titanium, SL SUS, NC, FCD, AL, @A, BC,		Titanium, SL SUS, NC, FCD, AL, @A, BC,		
相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw												



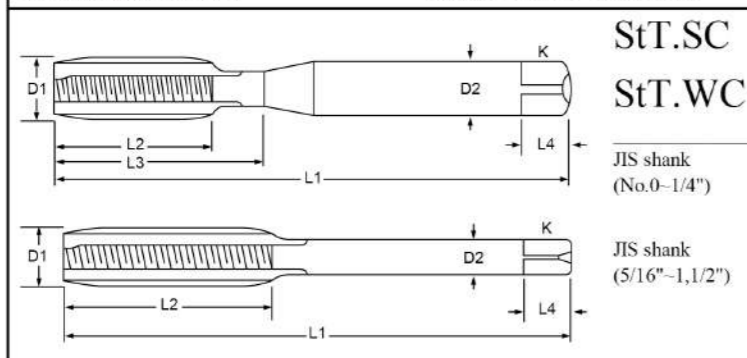
JIS Shank.RH		無屑絲攻.全鎢鋼&高速鋼 Roll Form Taps. SC & HSS-Co				機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process						
Overall length acc. to JIS,		 RFT.SC RFT.Hc JIS shank (M1-M7) JIS shank (M8-M16)				 RFT.SC RFT.Hc J14全鎢鋼絲攻 Solid Carbide Taps J34高速鋼合鎢絲攻 HSS-Co(M35)						
M/MJ	UNC/UNJC UNF/UNJF UNEF/UNJEF	 Metric & Aerospace ISO / ANSI thread 60° & parallel				 Metric & Aerospace ISO / ANSI thread 60° & parallel						
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification				工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimension ID		J.SC-RFT-2P#RH5	Flutes	J.Hc-RFT-2P#RH10	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.		ID					
Size D1	T.P.I.	L1	L2	L3	D2	K						
1	0.25	50	4	*	3	2.5*5	J14.M010P025		#RH3~RH5	2	*	
1.2	0.25	50	4	*	3	2.5*5	J14.M012P025		#RH3~RH5	4	*	
1.4	0.3	50	5	*	3	2.5*5	J14.M014P030		#RH3~RH5	4	*	
1.6	0.35	50	6	*	3	2.5*5	J14.M016P035		#RH3~RH5	4	*	
1.8	0.35	50	6	*	3	2.5*5	J14.M018P035		#RH3~RH5	4	*	
2	0.4	50	10P	2.5D1	3	2.5*5	J14.M020P040		#RH3~RH5	4	*	
2.5	0.45	50	10P	2.5D1	3	2.5*5	J14.M025P045		#RH3~RH5	4	*	
3	0.5	50	10P	2.5D1	4	3.2*6	J14.M030P050		#RH4~RH7	4	*	
3.5	0.6	50	10P	2.5D1	4	3.2*6	J14.M035P060		#RH4~RH7	4	*	
4	(0.5~)0.7	50	10P	2.5D1	5	4*7	J14.M040P070		#RH5~RH10	4	*	
5	(0.5~)0.8	60	10P	2.5D1	5.5	4.5*7	J14.M050P080		#RH5~RH10	4	*	
6	(0.5~)1.0	60	10P	2.5D1	6	4.5*7	J14.M060P100		#RH5~RH10	4	*	
8	(0.5~)1.25	70	10P	2.5D1	6.2	5*8	J14.M080P125		#RH5~RH10	6	*	
10	(1.0~)1.5	75	10P	2.5D1	7	5.5*8	J14.M100P150		#RH5~RH10	6	*	
12 @	(1.0~)1.75	75	10P	2.5D1	8.5	6.5*9	J14.M120P175-S		#RH6~RH12	6	*	
12	(1.0~)1.75	82	10P	2.5D1	8.5	6.5*9	J14.M120P175		#RH6~RH12	6	*	
14 @	(1.0~)2.0	75	10P	2.5D1	10.5	8*11	J14.M140P200-S		#RH6~RH12	6	*	
14	(1.0~)2.0	90	10P	2.5D1	10.5	8*11	J14.M140P200		#RH6~RH12	6	*	
16	(1.0~)2.0	95	10P	2.5D1	12.5	10*13	J14.M160P200		#RH6~RH12	6	*	
6	(0.5~)1.0	60	10P	2.5D1	6	4.5*7	J34.M060P100		*		#RH7~RH10	4
8	(1.0~)1.25	70	10P	2.5D1	6.2	5*8	J34.M080P125		*		#RH7~RH10	6
10	(1.0~)1.5	75	10P	2.5D1	7	5.5*8	J34.M100P150		*		#RH8~RH12	6
12	(1.0~)1.75	82	10P	2.5D1	8.5	6.5*9	J34.M120P175		*		#RH8~RH12	6
14	(1.0~)2.0	90	10P	2.5D1	10.5	8*11	J34.M140P200		*		#RH8~RH12	6
16	(1.0~)2.0	95	10P	2.5D1	12.5	10*13	J34.M160P200		*		#RH10~RH14	6
18	(1.0~)2.5	100	10P	2.5D1	14	11*14	J34.M180P250		*		#RH10~RH14	6
20	(1.0~)2.5	110	10P	2.5D1	15	12*15	J34.M200P250		*		#RH10~RH14	6
22	(1.0~)2.5	115	10P	2.5D1	17	13*16	J34.M220P250		*		#RH10~RH14	6
24	(1.0~)3.0	120	10P	2.5D1	19	15*18	J34.M240P300		*		#RH10~RH14	8
27	(1.0~)3.0	130	10P	2.5D1	20	15*18	J34.M270P300		*		#RH10~RH14	8
30	(1.0~)3.5	135	10P	2.5D1	23	17*20	J34.M300P350		*		#RH10~RH14	8
33	(1.0~)3.5	145	10P	2.5D1	25	19*22	J34.M330P350		*		#RH10~RH14	8
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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece												
應用工件材質 Application-Material of workpiece												
#C.45 / #C.5		#A.8 / #C.7		#C.7		#C.5		#C.7		max. 2.5 x d1		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous & ferrous metal		Ductile Materials		
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy & Carbon, Zinc, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	Titanium, SL SUS, NC, @A, AL, BC, Titanium,		SL,SUS, NC, @A, AL, BC, Titanium,		
相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw												



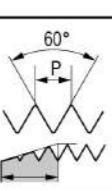
JIS Shank.RH Overall length acc. to JIS,

直溝絲攻-全鈷鋼&焊鈷鋼 Straight Taps- SC & WC

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process



UNC / UNJC Unified Coarse Thread ASME B1.1 / B1.2 thread 60° & parallel



精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P, 5P	CL=2P,5P	CL= 2P,5P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	2BX-2P#C.7	2B-2P#C.5	2BX-2P#C.7

精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P, 5P	CL=2P,5P	CL= 2P,5P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	2BX-2P#C.7	2B-2P#C.5	2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension Identification

工具參數 Rekord

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-2BX-2P-#C.7	Flutes	J.StT.SC-3BX-2P-#C.5	Flutes	J.StT.WC-2BX-2P-#A.7	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
Size D1	T.P.I.	L1	L2	L3	D2	K	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
# 2	56	50	6	3D1	3	2.5*5	J11.#2UNC56	#O.7	2	#O.5 / #C.5	2	*	*
# 3	48	50	7	3D1	3	2.5*5	J11.#3UNC48	#O.7	2	#O.5 / #C.5	2	*	*
# 4	40	50	7	3D1	3	2.5*5	J11.#4UNC40	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
# 5	40	50	7	3D1	4	3.2*6	J11.#5UNC40	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
# 6	32	50	8	3D1	4	3.2*6	J11.#6UNC32	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
# 8	32	50	8	3D1	5	4*7	J11.#8UNC32	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
# 10	24	60	10	3D1	5.5	4.5*7	J11.#10UNC24	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
# 12	24	60	10	3D1	5.5	4.5*7	J11.#12UNC24	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
1/4	20	60	13	3D1	6	4.5*7	J11.1)4UNC20	#O.7 / #C.7	3	#O.5 / #C.5	3	*	*
5/16	18	70	20		6.1	5*8	J11.5)16UNC18	#C.7/#A.7	4	#C.5	4	*	*
3/8	16	75	23		7	5.5*8	J11.3)8UNC16	#C.7/#A.7	4	#C.5	4	*	*
7/16 @	14	75	23		8	6*9	J11.7)16UNC14-S	#C.7/#A.7	4	#C.5	4	*	*
7/16	14	80	23		8	6*9	J11.7)16UNC14	#C.7/#A.7	4	#C.5	4	*	*
1/2 @	13	75	23		9	7*10	J11.1)2UNC13-S	#C.7/#A.7	4	#C.5	4	*	*
1/2	13	85	23		9	7*10	J11.1)2UNC13	#C.7/#A.7	4	#C.5	4	*	*
9/16 @	12	75	23		10.5	8*11	J11.9)16UNC12-S	#C.7/#A.7	4	#C.5	4	*	*
9/16	12	90	23		10.5	8*11	J11.9)16UNC12	#C.7/#A.7	4	#C.5	4	*	*
5/8 @	11	75	23		12	9*12	J11.5)8UNC11-S	#C.7/#A.7	4	#C.5	4	*	*
5/8	11	95	23		12	9*12	J11.5)8UNC11	#C.7/#A.7	4	#C.5	4	*	*
9/16	12	85	18/35		10.5	8*11	J21.9)16UNC12	*	*	#C.7/#A.7	4	*	*
5/8	11	100	18/35		12.5	10*13	J21.5)8UNC11	*	*	#C.7/#A.7	4	*	*
3/4	10	100	18/35		14	11*14	J21.3)4UNC10	*	*	#C.7/#A.7	4	*	*
7/8	9	100	18/35		17	13*16	J21.7)8UNC9	*	*	#C.7/#A.7	4	*	*
1	8	110	18/35		20	15*18	J21.1)UNC8	*	*	#C.7/#A.7	4	*	*
1 1/8	7	110	22/40		22	17*20	J21.1-1)8UNC7	*	*	#C.7/#A.7	4	*	*
1 1/4	7	110	22/40		24	19*22	J21.1-1)4UNC7	*	*	#C.7/#A.7	4	*	*
1 3/8	6	110	22/40		26	21*24	J21.1-3)8UNC6	*	*	#C.7/#A.7	6	*	*
1 1/2	6	110	28/40		30	23*26	J21.1-1)2UNC6	*	*	#C.7/#A.7	6	*	*

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-2B-1.5P-#C.7	Flutes	J.SpT.Hc-2B-2P-#A.7	Flutes	J.SpT.Hc-2B-2P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
Size D1	T.P.I.	L1	L2	L3	D2	K	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
# 1	64	50	10P		3	2.5*5	J12.#1UNC64	#O.7	2	*	*	*	*
# 2	56	50	10P		3	2.5*5	J12.#2UNC56	#O.7	2	*	*	*	*
# 3	48	50	10P		3	2.5*5	J12.#3UNC48	#O.7	3	*	*	*	*
# 4	40	50	10P		3	2.5*5	J12.#4UNC40	#O.7	3	*	*	*	*
# 5	40	50	10P		4	3.2*6	J12.#5UNC40	#O.7	3	*	*	*	*
# 6	32	50	10P		4	3.2*6	J12.#6UNC32	#O.7/#A.7	3	*	*	*	*
# 8	32	50	10P		5	4*7	J12.#8UNC32	#O.7/#A.7	3	*	*	*	*
# 10	24	60	10P		5.5	4.5*7	J12.#10UNC24	#O.7/#A.7	3	*	*	*	*
# 12	24	60	10P		5.5	4.5*7	J12.#12UNC24	#O.7/#A.7	3	*	*	*	*
1/4	20	60	10P		6	4.5*7	J12.1)4UNC20	#O.7/#A.7	3	*	*	*	*
5/16	18	70	10P		6.1	5*8	J12.5)16UNC18	#C.7/#A.7	3	*	*	*	*
3/8	16	75	10P		7	5.5*8	J12.3)8UNC16	#C.7/#A.7	3	*	*	*	*
7/16 @	14	75	10P		8	6*9	J12.7)16UNC14-S	#C.7/#A.7	3	*	*	*	*
7/16	14	80	10P		8	6*9	J12.7)16UNC14	#C.7/#A.7	3	*	*	*	*
1/2 @	13	75	10P		9	7*10	J12.1)2UNC13-S	#C.7/#A.7	4	*	*	*	*
9/16 @	12	75	10P		10.5	8*11	J12.9)16UNC12-S	#C.7/#A.7	4	*	*	*	*
5/8 @	11	75	10P		12.5	9*12	J12.5)8UNC11-S	#C.7/#A.7	4	*	*	*	*
# 10	24	60	10P		5.5	4.5*7	J32.#10UNC24	*	#O.7 / #A.7	3	#C.5	3	
# 12	24	60	10P		5.5	4.5*7	J32.#12UNC24	*	#O.7 / #A.7	3	#C.5	3	
1/4	20	60	10P		6	4.5*7	J32.1)4UNC20	*	#O.7 / #A.7	3	#C.5	3	
5/16	18	70	10P		6.1	5*8	J32.5)16UNC18	*	#C.7 / #A.7	3	#C.5	3	
3/8	16	75	10P		7	5.5*8	J32.3)8UNC16	*	#C.7 / #A.7	3	#C.5	3	
7/16	14	80	10P		8	6*9	J32.7)16UNC14	customized	3	#C.7 / #A.7	4	#C.5	4
1/2	13	85	10P		9	7*10	J32.1)2UNC13	customized	4	#C.7 / #A.7	4	#C.5	4
9/16	12	90	10P		10.5	8*11	J32.9)16UNC12	customized	4	#C.7 / #A.7	4	#C.5	4
5/8	11	95	10P		12.5	9*12	J32.5)8UNC11	customized	4	#C.7 / #A.7	4	#C.5	4
3/4	10	105	10P		14	11*14	J32.3)4UNC10	*	#C.7 / #A.7	4	#C.5	4	
7/8	9	115	10P		17	13*16	J32.7)8UNC9	*	#C.7 / #A.7	4	#C.5	4	
1	8	125	10P		20	15*18	J32.1)UNC8	*	#C.7 / #A.7	4	#C.5	4	
1 1/8	7	135	10P		22	17*20	J32.1-1)8UNC7	*	#C.7 / #A.7	4	#C.5	4	
1 1/4	7	145	10P		24	19*22	J32.1-1)4UNC7	*	#C.7 / #A.7	4	#C.5	4	
1 3/8	6	145	10P		26	21*24	J32.1-3)8UNC6	*	#C.7 / #A.7	6	#C.5	6	
1 1/2	6	145	10P		30	23*26	J32.1-1)2UNC6	*	#C.7 / #A.7	6	#C.5	6	

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http://www.ugmic.com.tw 有暇保留最終參數更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.5	#C.7	有色金屬	鋼鐵金屬	高硬度				
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	ferrous metal	high hardness Non-ferrous
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	Hand Tap SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,

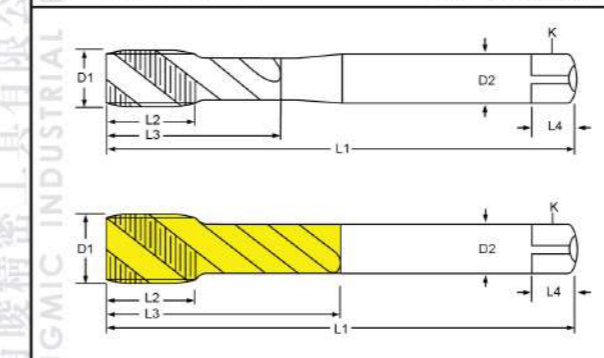
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬	鋼鐵金屬	鋼鐵金屬			
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	Non-ferrous metal	ferrous metal
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	AL, Ti-6-4 Brass, Bronze FC, FCD A Others	AL, Ti-6-4 Brass, Bronze FC, FCD A Others	SL, SUS, NC, HRC5-HRC25 HRC25-HRC36 HRC36-HRC45

相關螺紋規格及加大尺寸 & 左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

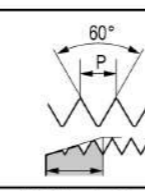
JIS Shank.RH Overall length acc. to JIS,

螺旋絲攻-全鈷鋼&高速鋼 Spiral Taps-Solid Carbide & HSS-Co

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process



UNC / UNJC Unified Coarse Thread ASME B1.1 / B1.2 thread 60° & parallel



精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
引導長	Chamfer length	CL=1.5P	CL= 2P	CL=2P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	2B-1.5P#C.7	2B-2P#C.7	2B-2P#C.5

精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
引導長	Chamfer length	CL=1.5P	CL= 2P	CL=2P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	2B-1.5P#C.7	2B-2P#C.7	2B-2P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension Identification

工具參數 Rekord

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-2B-1.5P-#C.7	Flutes	J.SpT.Hc-2B-2P-#A.7	Flutes	J.SpT.Hc-2B-2P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
Size D1	T.P.I.	L1	L2	L3	D2	K	ID	Flutes	Flutes	Flutes	Flutes	Flutes	Flutes
# 1	64	50	10P		3	2.5*5	J12.#1UNC64	#O.7	2	*	*	*	*
# 2	56	50	10P		3	2.5*5	J12.#2UNC56	#O.7	2	*	*	*	*
# 3	48	50	10P		3	2.5*5	J12.#3UNC48	#O.7	3	*	*	*	*
# 4	40	50	10P		3	2.5*5	J12.#4UNC40	#O.7	3	*	*	*	*
# 5	40	50	10P		4	3.2*6	J12.#5UNC40	#O.7	3	*	*	*	*
# 6	32	50	10P		4	3.2*6	J12.#6UNC32	#O.7/#A.7	3	*	*	*	*
# 8	32	50	10P		5	4*7	J12.#8UNC32	#O.7/#A.7	3	*	*	*	*
# 10	24	60	10P		5.5	4.5*7	J12.#10UNC24	#O.7/#A.7	3	*	*	*	*
# 12	24	60	10P		5.5	4.5*7	J12.#12UNC24	#O.					

JIS Shank.RH 先端絲攻-全鎢鋼&高速鋼
Overall length acc. to JIS, Pointed Taps- SC & HSS-Co

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

PoT.SC
PoT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

UNC / UNJC
Unified Coarse Thread
ASME B1.1 / B1.2
thread 60° & parallel

精度 Class of Fit 2BX / 2B / 3B
鍍層 Coating TiCN / NO
工具材質 Tool Material Solid Carbide
引導長 Chamfer length CL=5P
內冷孔 cooling center Center / NO
工具記號 tool rekord 2B-5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC.PoT-2BX-5P#C.5	Flutes			J.Hc.PoT-2BX-5P#C.5	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.									
Size D1	T.P.I.	L1	L2	L3	D2	K								
# 4	40	50	10		3	2.5*5	J13.#4UNC40	#O.5/#C.5	3			*		
# 5	40	50	10		4	3.2*6	J13.#5UNC40	#O.5/#C.5	3			*		
# 6	32	50	12		4	3.2*6	J13.#6UNC32	#O.5/#C.5	3			*		
# 8	32	50	12		5	4*7	J13.#8UNC32	#OA.5/#C.5	3			*		
# 10	24	60	16		5.5	4.5*7	J13.#10UNC24	#OA.5/#C.5	3			*		
# 12	24	60	16		5.5	4.5*7	J13.#12UNC24	#OA.5/#C.5	3			*		
1/4	20	60	16		6	4.5*7	J13.1)4UNC20	#OA.5/#C.5	3			*		
5/16	18	70	20		6.1	5*8	J13.5)16UNC18	#OA.5/#C.5	3			*		
3/8	16	75	23		7	5.5*8	J13.3)8UNC16	#OA.5/#C.5	3			*		
7/16 @	14	75	23		8	6*9	J13.7)16UNC14-S	#OA.5/#C.5	3			*		
1/2 @	13	75	23		9	7*10	J13.1)2UNC13-S	#OA.5/#C.5	3			*		
9/16 @	12	75	23		10.5	8*11	J13.9)16UNC12-S	#OA.5/#C.5	4			*		
5/8	11	95	23		12	9*12	J13.5)8UNC11	#OA.5/#C.5	4			*		
# 10	24	60	16		5.5	4.5*7	J33.#10UNC24	*			#O.5/#C.5	3		
# 12	24	60	16		5.5	4.5*7	J33.#12UNC24	*			#O.5/#C.5	3		
1/4	20	60	16		6	4.5*7	J33.1)4UNC20	*			#O.5/#C.5	3		
5/16	18	70	20		6.1	5*8	J33.5)16UNC18	*			#OA.5/#C.5	3		
3/8	16	75	23		7	5.5*8	J33.3)8UNC16	*			#OA.5/#C.5	3		
7/16	14	80	23		8	6*9	J33.7)16UNC14	customized	3		#OA.5/#C.5	3		
1/2	13	85	23		9	7*10	J33.1)2UNC13	customized	3		#OA.5/#C.5	3		
9/16	12	90	23		10.5	8*11	J33.9)16UNC12	customized	4		#OA.5/#C.5	4		
5/8	11	95	23		12	9*12	J33.5)8UNC11	*			#OA.5/#C.5	4		
3/4	10	105	30		14	11*14	J33.3)4UNC10	*			#OA.5/#C.5	4		
7/8	9	115	30		17	13*16	J33.7)8UNC9	*			#OA.5/#C.5	4		
1	8	125	30		20	15*18	J33.1)UNC8	*			#OA.5/#C.5	4		

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

JIS Shank.RH 無屑絲攻·全鎢鋼&高速鋼
Overall length acc. to JIS, Roll Form Taps. SC & HSS-Co

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

RFT.SC
RFT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

UNC / UNJC
Unified Coarse Thread
ASME B1.1 / B1.2
thread 60° & parallel

精度 Class of Fit 2BX / 2B / 3B
鍍層 Coating TiCN / NO
工具材質 Tool Material Solid Carbide
引導長 Chamfer length CL=2P / 4P
內冷孔 cooling center Center / NO
工具記號 tool rekord 2B-2P#RH(X)

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC.RFT-2B-2P#RH10	Flutes			J.Hc.RFT-2B-2P#RH12	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.									
Size D1	T.P.I.	L1	L2	L3	D2	K								
# 1	64	50	6		3	2.5*5	J14.#1UNC64	#RH3-#RH5	2			*		
# 2	56	50	6		3	2.5*5	J14.#2UNC56	#RH3-#RH5	2			*		
# 3	48	50	6		3	2.5*5	J14.#3UNC48	#RH3-#RH5	4			*		
# 4	40	50	6		3	2.5*5	J14.#4UNC40	#RH4-#RH6	4			*		
# 5	40	50	6		4	3.2*6	J14.#5UNC40	#RH4-#RH6	4			*		
# 6	32	50	8		4	3.2*6	J14.#6UNC32	#RH4-#RH6	4			*		
# 8	32	50	8		5	4*7	J14.#8UNC32	#RH5-#RH7	4			*		
# 10	24	60	10		5.5	4.5*7	J14.#10UNC24	#RH5-#RH7	4			*		
# 12	24	60	10		5.5	4.5*7	J14.#12UNC24	#RH5-#RH7	4			*		
1/4	20	60	12		6	4.5*7	J14.1)4UNC20	#RH6-#RH9	4			*		
5/16	18	70	14		6.1	5*8	J14.5)16UNC18	#RH6-#RH9	6			*		
3/8	16	75	14		7	5.5*8	J14.3)8UNC16	#RH7-#RH10	6			*		
7/16 @	14	75	16		8	6*9	J14.7)16UNC14-S	#RH7-#RH10	6			*		
1/2 @	13	75	18		9	7*10	J14.1)2UNC13-S	#RH8-#RH11	6			*		
9/16 @	12	75	10P		10.5	8*11	J14.9)16UNC12-S	#RH8-#RH11	6			*		
5/8	11	95	10P		12	9*12	J14.5)8UNC11	#RH9-#RH12	6			*		
# 10	24	60	10		5.5	4.5*7	J34.#10UNC24	*			#RH5-#RH7	4		
# 12	24	60	10		5.5	4.5*7	J34.#12UNC24	*			#RH5-#RH7	4		
1/4	20	60	12		6	4.5*7	J34.1)4UNC20	*			#RH6-#RH9	4		
5/16	18	70	14		6.1	5*8	J34.5)16UNC18	*			#RH6-#RH9	6		
3/8	16	75	14		7	5.5*8	J34.3)8UNC16	*			#RH7-#RH10	6		
7/16	14	80	16		8	6*9	J34.7)16UNC14	customized	6		#RH7-#RH10	6		
1/2	13	85	18		9	7*10	J34.1)2UNC13	customized	6		#RH8-#RH11	6		
9/16	12	90	10P		10.5	8*11	J34.9)16UNC12	customized	6		#RH8-#RH11	6		
5/8	11	95	10P		12	9*12	J34.5)8UNC11	*			#RH9-#RH12	6		
3/4	10	105	10P		14	11*14	J34.3)4UNC10	*			#RH9-#RH13	8		
7/8	9	115	10P		17	13*16	J34.7)8UNC9	*			#RH9-#RH13	8		
1	8	125	10P		20	15*18	J34.1)UNC8	*			#RH9-#RH13	8		
1 1/8	7	135	10P		22	17*20	J34.1-1)8UNC7	*			#RH9-#RH13	8		
1 1/4	7	145	10P		24	19*22	J34.1-1)4UNC7	*			#RH9-#RH13	8		
1 3/8	6	145	10P		26	21*24	J34.1-3)8UNC6	*			#RH9-#RH13	8		
1 1/2	6	145	10P		30	23*26	J34.1-1)2UNC6	*			#RH9-#RH13	8		

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

- M/MJ
- UNC/UNJC
- UNF/UNJF
- UNEF/UNJEF
- W/BSW/WF/BSF
- G/PF/Rp/PS
- Re/PT/PTF
- NPTF/NPT
- NPSM/NPSF
- HC-M/HC-UN
- Tr
- ACME/TW/ACME-STUB
- V/Vg-CTV
- BC/BSC
- NGT
- NGO
- PZ

- M/MJ
- UNC/UNJC
- UNF/UNJF
- UNEF/UNJEF
- W/BSW/WF/BSF
- G/PF/Rp/PS
- Re/PT/PTF
- NPTF/NPT
- NPSM/NPSF
- HC-M/HC-UN
- Tr
- ACME/TW/ACME-STUB
- V/Vg-CTV
- BC/BSC
- NGT
- NGO
- PZ



JIS Shank.RH Overall length acc. to JIS, 直溝絲攻-全鈦鋼&焊鈦鋼 Straight Taps- SC & WC

StT.SC
StT.WC

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

StT.SC J11全鈦鋼絲攻 Solid Carbide Taps
StT.SC J11全鈦鋼絲攻 Solid Carbide Taps
StT.WC J21 鈦鋼絲攻 Welded Carbide Taps

精度 Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層 Coating	TiCN / NO	TiCN / NO	NO
工具材質 Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長 Chamfer length	CL=2P, 5P	CL=2P, 5P	CL= 2P, 5P
內冷孔 cooling center	Center / NO	Center / NO	NO
工具記號 tool rekord	2BX-2P#C.7	2B-2P#C.5	2BX-2P#C.7

UNF / UNJF Unified Fine Thread ASME B1.1 / B1.2 thread 60° & parallel

日規柄-絲攻尺寸 JIS Shank- Tap Dimension	Identification	工具參數 Rekord
規格 牙距 總長 刃長 工作長 柄徑 方頭	Dimens. ID	J.StT.SC- 2BX- 2P-#C.7 Flutes J.StT.SC- 3BX- 2P-#C.5 Flutes J.StT.WC- 2BX-2P-#A.7 Flutes
Nominal Pitch O.L C.L W.L. O.D.		
Size D1 T.P.I. L1 L2 L3 D2 K		
# 3 56 50 12P 3 2.5*5	J11.#3UNF56 #O.7	2 #O.5 / #C.5 2 *
# 4 48 50 12P 3 2.5*5	J11.#4UNF48 #O.7 / #C.7	3 #O.5 / #C.5 3 *
# 5 44 50 12P 4 3.2*6	J11.#5UNF44 #O.7 / #C.7	3 #O.5 / #C.5 3 *
# 6 40 50 12P 4 3.2*6	J11.#6UNF40 #O.7 / #C.7	3 #O.5 / #C.5 3 *
# 8 36 50 12P 5 4*7	J11.#8UNF36 #O.7 / #C.7	3 #O.5 / #C.5 3 *
# 10 32 60 12P 5.5 4.5*7	J11.#10UNF32 #O.7 / #C.7	3 #O.5 / #C.5 3 *
# 12 28 60 12P 6 4.5*7	J11.#12UNF28 #O.7 / #C.7	3 #O.5 / #C.5 3 *
1/4 28 60 12P 6 4.5*7	J11.1)4UNF28 #O.7 / #C.7	3 #O.5 / #C.5 3 *
5/16 24 70 12P 6.1 5*8	J11.5)16UNF24 #C.7/#A.7	4 #C.5 4 *
3/8 24 75 12P 7 5*8	J11.3)8UNF24 #C.7/#A.7	4 #C.5 4 *
7/16 @ 20 75 12P 8 6*9	J11.7)16UNF20-S #C.7/#A.7	4 #C.5 4 *
1/2 @ 20 75 12P 9 7*10	J11.1)2UNF20-S #C.7/#A.7	4 #C.5 4 *
9/16 @ 18 75 12P 10.5 8*11	J11.9)16UNF18-S #C.7/#A.7	4 #C.5 4 *
5/8 @ 18 75 12P 12 9*12	J11.5)8UNF18-S #C.7/#A.7	4 #C.5 4 *
1/2 20 90 20 10.5 8*11	J21.1)2UNF20 customized	4 #C.7/#A.7 4
9/16 18 90 20 10.5 8*11	J21.9)16UNF18 customized	4 #C.7/#A.7 4
5/8 18 95 20 12 9*12	J21.5)8UNF18 customized	4 #C.7/#A.7 4
3/4 16 105 20 14 11*14	J21.3)4UNF16 *	4 #C.7/#A.7 4
7/8 14 115 24 17 13*16	J21.7)8UNF14 *	4 #C.7/#A.7 4
1 12 125 24 20 15*18	J21.1UNF12 *	4 #C.7/#A.7 4
1 1/8 12 135 24 22 17*20	J21.1-1)8UNF12 *	4 #C.7/#A.7 4
1 1/4 12 145 24 24 19*22	J21.1-1)4UNF12 *	4 #C.7/#A.7 4
1 3/8 12 145 30 26 21*24	J21.1-3)8UNF12 *	6 #C.7/#A.7 6
1 1/2 12 145 30 30 23*26	J21.1-1)2UNF12 *	6 #C.7/#A.7 6

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工件螺紋深度 與 工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel
AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	high hardness Non-ferrous
Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,

相關螺紋規格&加大尺寸&左牙緊多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH Overall length acc. to JIS, 螺旋絲攻-高速鋼 & 鈦鋼 Spiral Taps-Hc & SC & WC

SpT.Hc
SpT.SC
SpT.WC

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

SpT.SC J12全鈦鋼絲攻 Solid Carbide Taps
SpT.WC J22焊鈦鋼絲攻 Welded Carbide Taps
SpT.Hc J32高速鋼含鈦絲攻 HSS-Co(M35) Taps

精度 Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
鍍層 Coating	NO	NO	TiCN / NO
工具材質 Tool Material	Solid Carbide	Welded Carbide	HSS-Co(M35)
引導長 Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=2P
內冷孔 cooling center	Center / NO	NO	NO
工具記號 tool rekord	2B-1.5P#C.7	2B-1.5P#C.7	2B-2P#C.5

UNF / UNJF Unified Fine Thread ASME B1.1 / B1.2 thread 60° & parallel

日規柄-絲攻尺寸 JIS Shank- Tap Dimension	Identification	工具參數 Rekord
規格 牙距 總長 刃長 工作長 柄徑 方頭	Dimens. ID	J.SpT.SC- 2BX-1.5P-#C.7 Flutes J.SpT.WC- 2BX-1.5P-#A.7 Flutes J.SpT.Hc- 2BX- 2P-#C.5 Flutes
Nominal Pitch O.L C.L W.L. O.D.		
Size D1 T.P.I. L1 L2 L3 D2 K		
# 2 64 50 10P 2.5 D1 3 2.5*5	J12.#2UNF64 #O.7	2 * * * *
# 3 56 50 10P 2.5 D1 3 2.5*5	J12.#3UNF56 #O.7	3 * * * *
# 4 48 50 10P 2.5 D1 3 2.5*5	J12.#4UNF48 #O.7	3 * * * *
# 5 44 50 10P 2.5 D1 4 3.2*6	J12.#5UNF44 #O.7	3 * * * *
# 6 40 50 10P 2.5 D1 4 3.2*6	J12.#6UNF40 #O.7/#A.7	3 * * * *
# 8 36 50 10P 2.5 D1 5 4*7	J12.#8UNF36 #O.7/#A.7	3 * * * *
# 10 32 60 10P 2.5 D1 5.5 4.5*7	J12.#10UNF32 #O.7/#A.7	3 * * customized 3
# 12 28 60 10P 2.5 D1 5.5 4.5*7	J12.#12UNF28 #O.7/#A.7	3 * * customized 3
1/4 28 60 10P 2.5 D1 6 4.5*7	J12.1)4UNF28 #O.7/#A.7	3 * * customized 3
5/16 24 70 10P 2.5 D1 6.1 5*8	J12.5)16UNF24 #C.7/#A.7	3 * * customized 3
3/8 24 75 10P 2.5 D1 7 5*8	J12.3)8UNF24 #C.7/#A.7	3 * * customized 3
7/16 @ 20 75 10P * 8 6*9	J12.7)16UNF20-S #C.7/#A.7	3 * * * *
1/2 @ 20 75 10P * 9 7*10	J12.1)2UNF20-S #C.7/#A.7	4 * * * *
9/16 @ 18 75 10P * 10.5 8*11	J12.9)16UNF18-S #C.7/#A.7	4 * * * *
5/8 18 100 10P 40 12.5 10*13	J22.5)8UNF18 *	#C.7/#A.7 4 * *
3/4 16 100 10P 40 14 11*14	J22.3)4UNF16 *	#C.7/#A.7 4 * *
7/8 14 100 10P 40 17 13*16	J22.7)8UNF14 *	#C.7/#A.7 4 * *
1 12 110 10P 45 20 15*18	J22.1UNF12 *	#C.7/#A.7 4 * *
1 1/8 12 110 10P 45 22 17*20	J22.1-1)8UNF12 *	#C.7/#A.7 4 customized 4
1 1/4 12 110 10P 45 24 19*22	J22.1-1)4UNF12 *	#C.7/#A.7 4 customized 4
7/16 20 80 10P 2.5 D1 8 6*9	J32.7)16UNF20 customized	3 * * #C.5/#A.5 3
1/2 20 85 10P 2.5 D1 9 7*10	J32.1)2UNF20 customized	4 * * #C.5/#A.5 4
9/16 18 90 10P 2.5 D1 10.5 8*11	J32.9)16UNF18 customized	4 * * #C.5/#A.5 4
5/8 18 95 10P 2.5 D1 12 9*12	J32.5)8UNF18 customized	4 * * #C.5/#A.5 4
3/4 16 105 10P 2.5 D1 14 11*14	J32.3)4UNF16 *	* * #C.5/#C.7 4
7/8 14 115 10P 2.5 D1 17 13*16	J32.7)8UNF14 *	* * #C.5/#C.7 4
1 14 125 10P 2.5 D1 20 15*18	J32.1UNF14 *	* * #C.5/#C.7 4

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工件螺紋深度 與 工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel
AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous metal	ferrous metal
Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,	Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,

相關螺紋規格&加大尺寸&左牙緊多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH Overall length acc. to JIS, 先端絲攻-全鎢鋼 & 高速鋼 Pointed Taps- SC & HSS-Co

機械絲攻-數控機械 & 剛性攻牙 CNC-Controlled Machines & Rigid tapping process

PoT.SC
PoT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1, 1/2")

PoT.SC J13全鎢鋼絲攻 Solid Carbide Taps
PoT.Hc J33高速鋼含鈦絲攻 HSS-Co(M35) Taps

精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=5P	CL= 5P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	2B-5P#C.5	2B-5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord			
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□	Dimens. ID	J.SC-PoT- 2BX- #C.5	Flutes	J.Hc-PoT- 2BX- #C.5	Flutes
Size D1	T.P.I.	L1	L2	L3	D2	K					
# 4	48	50	12P		3	2.5*5	J13.#4UNF48	#O.5/ #C.5	3	*	
# 5	44	50	12P		4	3.2*6	J13.#5UNF44	#O.5/ #C.5	3	*	
# 6	40	50	12P		4	3.2*6	J13.#6UNF40	#O.5/ #C.5	3	*	
# 8	36	50	12P		5	4*7	J13.#8UNF36	#O.5/ #C.5	3	*	
# 10	32	60	12P		5.5	4.5*7	J13.#10UNF32	#O.5/ #C.5	3	*	
# 12	28	60	12P		6	4.5*7	J13.#12UNF28	#O.5/ #C.5	3	*	
1/4	28	60	12P		6	4.5*7	J13.1/4UNF28	#O.5/ #C.5	3	*	
5/16	24	70	12P		6.1	5*8	J13.5/16UNF24	#OA.5/ #C.5	3	*	
3/8	24	75	12P		7	5.5*8	J13.3/8UNF24	#OA.5/ #C.5	3	*	
7/16 @	20	75	12P		8	6*9	J13.7/16UNF20-S	#OA.5/ #C.5	3	*	
1/2 @	20	75	12P		9	7*10	J13.1/2UNF20-S	#OA.5/ #C.5	3	*	
9/16 @	18	75	12P		10.5	8*11	J13.9/16UNF18-S	#OA.5/ #C.5	4	*	
5/8 @	18	75	12P		12	9*12	J13.5/8UNF18-S	#OA.5/ #C.5	4	*	
# 10	32	60	12P		5.5	4.5*7	J33.#10UNF32	*		#O.5/ #C.5	3
# 12	28	60	12P		6	4.5*7	J33.#12UNF28	*		#O.5/ #C.5	3
1/4	28	60	12P		6	4.5*7	J33.1/4UNF28	*		#O.5/ #C.5	3
5/16	24	70	12P		6.1	5*8	J33.5/16UNF24	*		#OA.5/ #C.5	3
3/8	24	75	12P		7	5.5*8	J33.3/8UNF24	*		#OA.5/ #C.5	3
7/16	20	80	12P		8	6*9	J33.7/16UNF20	customized	3	#OA.5/ #C.5	3
1/2	20	85	12P		9	7*10	J33.1/2UNF20	customized	3	#OA.5/ #C.5	3
9/16	18	90	12P		10.5	8*11	J33.9/16UNF18	customized	4	#OA.5/ #C.5	4
5/8	18	95	12P		12	9*12	J33.5/8UNF18	customized	4	#OA.5/ #C.5	4
3/4	16	100			14	11*14	J33.3/4UNF16	*		#OA.5/ #C.5	4

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他
Steel : S45C	Stainless SUS304	Nical: Inc718	FC ADC12	Epoxy Carbon
SCM	SUS316	Inc624	S200	Zine
SNCM	SUS316	S400	S400	Hardness steel
SKD11	SUS630	S600	S600	

相關螺紋規格 & 加大尺寸 & 左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH Overall length acc. to JIS, 無屑絲攻 .全鎢鋼 & 高速鋼 Roll Form Taps. SC & HSS-Co

機械絲攻-數控機械 & 剛性攻牙 CNC-Controlled Machines & Rigid tapping process

RFT.SC
RFT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1, 1/2")

RFT.SC J14全鎢鋼絲攻 Solid Carbide Taps
RFT.Hc J34高速鋼含鈦絲攻 HSS-Co(M35) Taps

精度	Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=2P / 4P	CL=2P / 4P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	RFT#R	RFT#R

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord			
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□	Dimens. ID	J.SC-RFT- 2BX- 2P-#R	Flutes	J.Hc-RFT- 2BX- 2P-#R	Flutes
Size D1	T.P.I.	L1	L2	L3	D2	K					
# 0	80	50	10P		3	2.5*5	J14.#0UNF80	#RH2-RH5	2	*	
# 1	72	50	10P		3	2.5*5	J14.#1UNF72	#RH2-RH5	2	*	
# 2	64	50	10P		3	2.5*5	J14.#2UNF64	#RH3-RH6	2	*	
# 3	56	50	10P		3	2.5*5	J14.#3UNF56	#RH3-RH6	4	*	
# 4	48	50	10P		3	2.5*5	J14.#4UNF48	#RH4-RH7	4	*	
# 5	44	50	10P		4	3.2*6	J14.#5UNF44	#RH4-RH7	4	*	
# 6	40	50	10P		4	3.2*6	J14.#6UNF40	#RH5-RH8	4	*	
# 8	36	50	10P		5	4*7	J14.#8UNF36	#RH5-RH8	4	*	
# 10	32	60	10P		5.5	4.5*7	J14.#10UNF32	#RH5-RH8	4	*	
# 12	28	60	10P		6	4.5*7	J14.#12UNF28	#RH5-RH8	4	*	
1/4	28	60	10P		6	4.5*7	J14.1/4UNF28	#RH6-RH9	4	*	
5/16	24	70	10P		6.1	5*8	J14.5/16UNF24	#RH6-RH9	6	*	
3/8	24	75	10P		7	5.5*8	J14.3/8UNF24	#RH6-RH9	6	*	
7/16 @	20	75	10P		8	6*9	J14.7/16UNF20-S	#RH7-RH10	6	*	
1/2 @	20	75	10P		9	7*10	J14.1/2UNF20-S	#RH7-RH10	6	*	
9/16 @	18	75	10P		10.5	8*11	J14.9/16UNF18-S	#RH7-RH10	6	*	
# 10	32	60	10P		5.5	4.5*7	J34.#10UNF32	*		#RH5-RH8	4
# 12	28	60	10P		6	4.5*7	J34.#12UNF28	*		#RH5-RH8	4
1/4	28	60	10P		6	4.5*7	J34.1/4UNF28	*		#RH6-RH9	4
5/16	24	70	10P		6.1	5*8	J34.5/16UNF24	*		#RH6-RH9	6
3/8	24	75	10P		7	5.5*8	J34.3/8UNF24	*		#RH6-RH9	6
7/16	20	80	10P		8	6*9	J34.7/16UNF20	*		#RH7-RH10	6
1/2	20	85	10P		9	7*10	J34.1/2UNF20	customized	6	#RH7-RH10	6
9/16	18	90	10P		10.5	8*11	J34.9/16UNF18	customized	6	#RH7-RH10	6
5/8	18	95	10P		12	9*12	J34.5/8UNF18	customized	6	#RH7-RH10	6
3/4	16	105	10P		14	11*14	J34.3/4UNF16	*		#RH8-RH11	8
7/8	14	115	10P		17	13*16	J34.7/8UNF14	*		#RH8-RH11	8
1	12	125	10P		20	15*18	J34.1UNF12	*		#RH10-RH13	8
1 1/8	12	135	10P		22	17*20	J34.1-1/8UNF12	*		#RH10-RH13	8
1 1/4	12	145	10P		24	19*22	J34.1-1/4UNF12	*		#RH12-RH15	8
1 3/8	12	145	10P		26	21*24	J34.1-3/8UNF12	*		#RH12-RH15	8
1 1/2	12	145	10P		30	23*26	J34.1-1/2UNF12	*		#RH12-RH15	8

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他
Steel : S45C	Stainless SUS304	Nical: Inc718	FC ADC12	Epoxy Carbon
SCM	SUS316	Inc624	S200	Zine
SNCM	SUS316	S400	S400	HRC>55
SKD11	SUS630	S600	S600	

相關螺紋規格 & 加大尺寸 & 左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

JIS Shank.RH
Overall length acc. to JIS,

直溝絲攻-全鈷鋼&焊鈷鋼
Straight Taps- SC & WC

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

StT.SC
StT.WC

JIS shank (No.0-1/4")
JIS shank (5/16"-1, 1/2")

UNE F / UNJEF
Unified Extra Fine Thread
ASME B1.1 / B1.2
thread 60° & parallel

精度 Class of Fit
鍍層 Coating
工具材質 Tool Material
引導長 Chamfer length
內冷孔 cooling center
工具記號 tool rekord

2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
TiCN / NO	TiCN / NO	NO
Solid Carbide	Solid Carbide	Welded Carbide
CL=2P, 5P	CL=2P, 5P	CL= 2P, 5P
Center / NO	Center / NO	NO
2BX-2P#C.7	2B-2P#C.5	2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC- 2BX-2P#C.7	Flutes	J.StT.SC- 3BX-2P#C.5	Flutes	J.StT.WC- 2BX-2P#A.7	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□								
Size D1	T.P.I.	L1	L2	L3	D2	K								
# 12	32	60	16		5.5	4.5*7	J11.#12UNEF32	#O.7/#C.7	3	#O.5/#C.5	3	*		
1/4	32	60	16		6	4.5*7	J11.1)4UNEF32	#O.7/#C.7	3	#O.5/#C.5	3	*		
5/16	32	70	20		6.1	5*8	J11.5)16UNEF32	#C.7/#A.7	4	#C.5	4	*		
3/8	32	75	23		7	5.5*8	J11.3)8UNEF32	#C.7/#A.7	4	#C.5	4	*		
7/16 @	28	75	23		8	6*9	J11.7)16UNEF28-S	#C.7/#A.7	4	#C.5	4	*		
1/2 @	28	75	23		9	7*10	J11.1)2UNEF28-S	#C.7/#A.7	4	#C.5	4	*		
9/16 @	24	75	23		10.5	8*11	J11.9)16UNEF24-S	#C.7/#A.7	4	#C.5	4	*		
5/8@	24	75	23		12	9*12	J11.5)8UNEF24-S	#C.7/#A.7	4	#C.5	4	*		
7/16	28	80	23		8	6*9	J11.7)16UNEF28	#C.7/#A.7	3	#C.5	3	*		
1/2	28	85	23		9	7*10	J11.1)2UNEF28	#C.7/#A.7	4	#C.5	4	*		
9/16	24	90	23		10.5	8*11	J11.9)16UNEF24	#C.7/#A.7	4	#C.5	4	*		
5/8	24	95	23		12	9*12	J11.5)8UNEF24	#C.7/#A.7	4	#C.5	4	*		
1/2	28	85	18		10.5	8*11	J21.1)2UNEF28	*	*	*	#C.7/#A.7	4		
9/16	24	85	18		10.5	8*11	J21.9)16UNEF24	*	*	*	#C.7/#A.7	4		
5/8	24	100	18		12.5	10*13	J21.5)8UNEF24	*	*	*	#C.7/#A.7	4		
3/4	20	100	18		14	11*14	J21.3)4UNEF20	*	*	*	#C.7/#A.7	4		
7/8	20	100	23		17	13*16	J21.7)8UNEF20	*	*	*	#C.7/#A.7	4		
1	20	110	23		20	15*18	J21.1)UNEF20	*	*	*	#C.7/#A.7	4		

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬	鋼鐵金屬	高硬度 Non-ferrous
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon Zine Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze
SCM	SUS304	Inc624	S400				Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,
SNCM	SUS316		S600				Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,
SKD11	SUS630						Hand Tap Titanium, SL SUS, NC, FCD, AL, @A, BC,

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH
Overall length acc. to JIS,

螺旋絲攻-高速鋼&鈷鋼
Spiral Taps-HSS-Co & SC & WC

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

SpT.Hc
SpT.SC
SpT.WC

JIS shank (No.0-1/4")
JIS shank (5/16"-1, 1/2")

UNE F / UNJEF
Unified Extra Fine Thread
ASME B1.1 / B1.2
thread 60° & parallel

精度 Class of Fit
鍍層 Coating
工具材質 Tool Material
引導長 Chamfer length
內冷孔 cooling center
工具記號 tool rekord

2BX / 2B / 3B	2BX / 2B / 3B	2BX / 2B / 3B
NO	NO	TiCN / NO
Solid Carbide	Welded Carbide	HSS-Co(M35)
CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=2P
Center / NO	NO	NO
2B-1.5P#C.7	2B-1.5P#C.7	2B-2P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC- 2BX-1.5P#C.7	Flutes	J.SpT.WC- 2BX-1.5P#A.7	Flutes	J.SpT.SC- 2BX-1.5P#C.7	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□								
Size D1	T.P.I.	L1	L2	L3	D2	K								
# 12	32	60	10P		5.5	4.5*7	J12.#12UNEF32	#O.7/#A.7	3	*	*	*	*	
1/4	32	60	10P		6	4.5*7	J12.1)4UNEF32	#O.7/#A.7	3	*	*	*	*	
5/16	32	70	10P		6.1	5*8	J12.5)16UNEF32	#C.7/#A.7	3	*	*	*	*	
3/8	32	75	10P		7	5.5*8	J12.3)8UNEF32	#C.7/#A.7	3	*	*	*	*	
7/16 @	28	75	10P		8	6*9	J12.7)16UNEF28-S	#C.7/#A.7	3	*	*	*	*	
1/2 @	28	75	10P		9	7*10	J12.1)2UNEF28-S	#C.7/#A.7	4	*	*	*	*	
9/16 @	24	75	10P		10.5	8*11	J12.9)16UNEF24-S	#C.7/#A.7	4	*	*	*	*	
5/8 @	24	75	10P		12	9*12	J12.5)8UNEF24-S	#C.7/#A.7	4	*	*	*	*	
5/8	24	100	12		12.5	10*13	J22.5)8UNEF24	*	#C.7/#A.7	4	*	*		
3/4	20	100	12		14	11*14	J22.3)4UNEF20	*	#C.7/#A.7	4	*	*		
7/8	20	100	12		17	13*16	J22.7)8UNEF20	*	#C.7/#A.7	4	*	*		
1	20	110	15		20	15*18	J22.1)UNEF20	*	#C.7/#A.7	4	*	*		
# 12	32	60	10P		5.5	4.5*7	J32.#12UNEF32	*	*	*	#C.5	3		
1/4	32	60	10P		6	4.5*7	J32.1)4UNEF32	*	*	*	#C.5	3		
5/16	32	70	10P		6.1	5*8	J32.5)16UNEF32	*	*	*	#C.5	3		
3/8	32	75	10P		7	5.5*8	J32.3)8UNEF32	*	*	*	#C.5	3		
7/16	28	80	10P		8	6*9	J32.7)16UNEF28	*	*	*	#C.5	3		
1/2	28	85	10P		9	7*10	J32.1)2UNEF28	*	*	*	#C.5	4		
9/16	24	90	10P		10.5	8*11	J32.9)16UNEF24	*	*	*	#C.5	4		
5/8	24	95	10P		12	9*12	J32.5)8UNEF24	*	*	*	#C.5	4		
3/4	20	105	12		14	11*14	J32.3)4UNEF20	*	*	*	#C.5	4		
7/8	20	115	12		17	13*16	J32.7)8UNEF20	*	*	*	#C.5	4		
1	20	125	15		20	15*18	J32.1)UNEF20	*	*	*	#C.5	4		

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬	鋼鐵金屬
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon Zine Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4
SCM	SUS304	Inc624	S400			
SNCM	SUS316		S600			
SKD11	SUS630					

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH 先端絲攻-全鎢鋼 & 高速鋼
Overall length acc. to JIS, Pointed Taps- SC & HSS-Co

機械絲攻-數控機械 & 剛性攻牙
CNC-Controlled Machines & Rigid tapping process

PoT.SC
PoT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

PoT.SC J13全鎢鋼絲攻 Solid Carbide Taps
PoT.Hc J33高速鋼含鈦絲攻 HSS-Co(M35) Taps

精度 Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B
鍍層 Coating	TiCN / NO	TiCN / NO
工具材質 Tool Material	Solid Carbide	HSS-Co(M35)
引導長 Chamfer length	CL=5P	CL= 5P
內冷孔 cooling center	Center / NO	NO
工具記號 tool rekord	2B-5P#C.5	2B-5P#C.5

Unified Extra Fine Thread
ASME B1.1 / B1.2
thread 60° & parallel

60°

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC.PoT-2BX-5P#C.5	Flutes			J.Hc.PoT-2BX-5P#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
# 12	32	60	16		5.5	4.5*7	J13.#12UNEF32	#O.5/ #C.5	3			*	
1/4	32	60	16		6	4.5*7	J13.1)4UNEF32	#O.5/ #C.5	3			*	
5/16	32	70	20		6.1	5*8	J13.5)16UNEF32	#OA.5/ #C.5	3			*	
3/8	32	75	23		7	5.5*8	J13.3)8UNEF32	#OA.5/ #C.5	3			*	
7/16 @	28	75	23		8	6*9	J13.7)16UNEF28-S	#OA.5/ #C.5	3			*	
1/2 @	28	75	23		9	7*10	J13.1)2UNEF28-S	#OA.5/ #C.5	3			*	
9/16 @	24	75	23		10.5	8*11	J13.9)16UNEF24-S	#OA.5/ #C.5	4			*	
5/8 @	24	75	23		12	9*12	J13.5)8UNEF24-S	#OA.5/ #C.5	4			*	
# 12	32	60	16		5.5	4.5*7	J33.#12UNEF32	*				#O.5/ #C.5	3
1/4	32	60	16		6	4.5*7	J33.1)4UNEF32	*				#O.5/ #C.5	3
5/16	32	70	20		6.1	5*8	J33.5)16UNEF32	*				#OA.5/ #C.5	3
3/8	32	75	23		7	5.5*8	J33.3)8UNEF32	*				#OA.5/ #C.5	3
7/16	28	80	23		8	6*9	J33.7)16UNEF28	customized	3			#OA.5/ #C.5	3
1/2	28	85	23		9	7*10	J33.1)2UNEF28	customized	3			#OA.5/ #C.5	3
9/16	24	90	23		10.5	8*11	J33.9)16UNEF24	customized	4			#OA.5/ #C.5	4
5/8	24	95	23		12	9*12	J33.5)8UNEF24	customized	4			#OA.5/ #C.5	4

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	所有金屬	
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Non-ferrous & ferrous metal
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800	Titanium, SL SUS, NC, FCD, AL, @A Other, BC, Hardness <HRC45
SCM SUS316	SUS316	Inc624	S400	Zinc Hardness steel	6061-T6 7075-T7		Bronze	Titanium, SL SUS, NC, FCD, AL, BC, Hardness <HRC35
SNCM SKD11	SUS630		S600					

相關螺紋規格 & 加大尺寸 & 左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH 無屑絲攻-全鎢鋼 & 高速鋼
Overall length acc. to JIS, Roll Form Taps. SC & HSS-Co

機械絲攻-數控機械 & 剛性攻牙
CNC-Controlled Machines & Rigid tapping process

RFT.SC
RFT.Hc

JIS shank (No.0-1/4")
JIS shank (5/16"-1,1/2")

RFT.SC J14全鎢鋼絲攻 Solid Carbide Taps
RFT.Hc J34高速鋼含鈦絲攻 HSS-Co(M35) Taps

精度 Class of Fit	2BX / 2B / 3B	2BX / 2B / 3B
鍍層 Coating	TiCN / NO	TiCN / NO
工具材質 Tool Material	Solid Carbide	HSS-Co(M35)
引導長 Chamfer length	CL=2P / 4P	CL=2P / 4P
內冷孔 cooling center	Center / NO	NO
工具記號 tool rekord	2P#RH(X)	2P#RH(X)

Unified Extra Fine Thread
ASME B1.1 / B1.2
thread 60° & parallel

60°

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.RFT.SC-2BX-2P#RH6	Flutes			J.RFT.Hc-2B-2P#RH10	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
# 12	32	60	10P		5.5	4.5*7	J14.#12UNEF32	#RH5-RH7	4			*	
1/4	32	60	10P		6	4.5*7	J14.1)4UNEF32	#RH5-RH7	4			*	
5/16	32	70	10P		6.1	5*8	J14.5)16UNEF32	#RH5-RH7	6			*	
3/8	32	75	10P		7	5.5*8	J14.3)8UNEF32	#RH5-RH7	6			*	
7/16 @	28	75	10P		8	6*9	J14.7)16UNEF28-S	#RH6-RH8	6			*	
1/2 @	28	75	10P		9	7*10	J14.1)2UNEF28-S	#RH6-RH8	6			*	
9/16 @	24	75	10P		10.5	8*11	J14.9)16UNEF24-S	#RH8-RH10	6			*	
5/8 @	24	75	10P		12	9*12	J14.5)8UNEF24-S	#RH8-RH10	6			*	
# 12	32	60	10P		5.5	4.5*7	J34.#12UNEF32	*				#RH5-RH7	4
1/4	32	60	10P		6	4.5*7	J34.1)4UNEF32	*				#RH5-RH7	4
5/16	32	70	10P		6.1	5*8	J34.5)16UNEF32	*				#RH5-RH7	6
3/8	32	75	10P		7	5.5*8	J34.3)8UNEF32	*				#RH5-RH7	6
7/16	28	80	10P		8	6*9	J34.7)16UNEF28	*				#RH6-RH8	6
1/2	28	85	10P		9	7*10	J34.1)2UNEF28	*				#RH6-RH8	6
9/16	24	90	10P		10.5	8*11	J34.9)16UNEF24	*				#RH8-RH10	6
5/8	24	95	10P		12	9*12	J34.5)8UNEF24	*				#RH8-RH10	6
3/4	20	105	10P		14	11*14	J34.3)4UNEF20	*				#RH8-RH10	8
7/8	20	115	10P		17	13*16	J34.7)8UNEF20	*				#RH8-RH10	8
1	20	125	10P		20	15*18	J34.1)UNEF20	*				#RH8-RH10	8

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	延展性材料	
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Ductile Materials
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy & Carbon, Zinc, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	SL,SUS, NC, @A, AL, BC, Titanium,
SCM SUS316	SUS316	Inc624	S400					
SNCM SKD11	SUS630		S600					

相關螺紋規格 & 加大尺寸 & 左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH Overall length acc. to JIS,

直溝絲攻-全鎢鋼&焊鎢鋼 Straight Taps- SC & WC

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

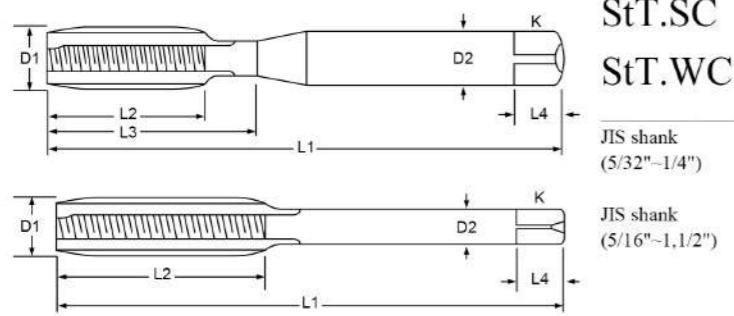


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for StT.SC and StT.WC.

W(BSW) Whitworth Thread BS / DIN / JIS thread 55° & parallel

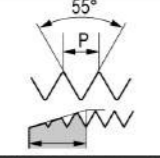


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for W(BSW) with SC and WC.

Main table for W(BSW) with columns for Nominal Pitch, O.L., C.L., W.L., O.D., K, Identification, J.StT.SC, J.StT.WC, Flutes.

W(BSF) Whitworth Fine Thread BS / DIN / JIS thread 55° & parallel

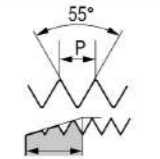


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for W(BSF) with SC and WC.

Main table for W(BSF) with columns for Nominal Pitch, O.L., C.L., W.L., O.D., K, Identification, J.StT.SC, J.StT.WC, Flutes.

Table for Application-Material of workpiece with columns for material types and tap specifications.

JIS Shank.RH Overall length acc. to JIS,

螺旋絲攻-全鎢鋼&高速鋼含鈷 Spiral Taps- Carbide & HSS-Co

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

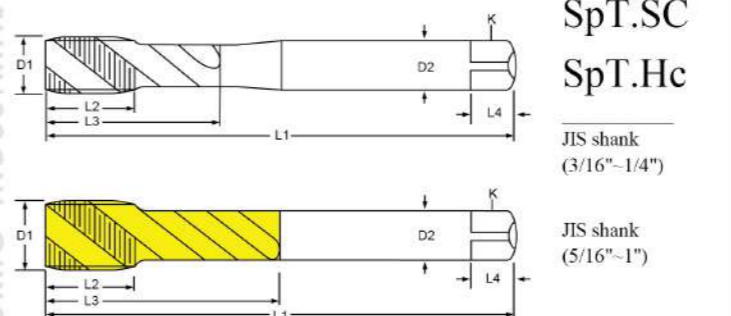


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for SpT.SC and SpT.Hc.

W(BSW) Whitworth Thread BS / DIN / JIS thread 55° & parallel

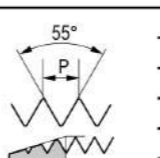


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for W(BSW) with SC and Hc.

Main table for W(BSW) with columns for Nominal Pitch, O.L., C.L., W.L., O.D., K, Identification, J.SpT.SC, J.SpT.Hc, Flutes.

W(BSF) Whitworth Fine Thread BS / DIN / JIS thread 55° & parallel

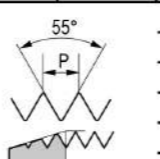
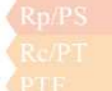
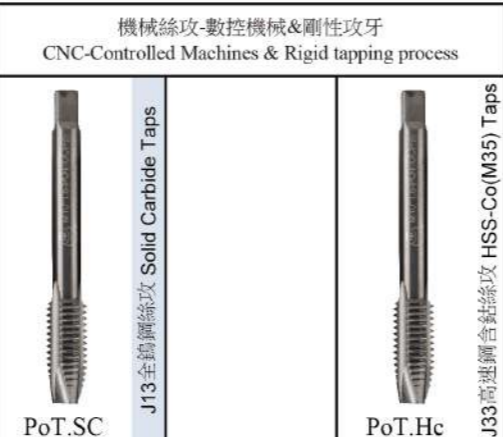
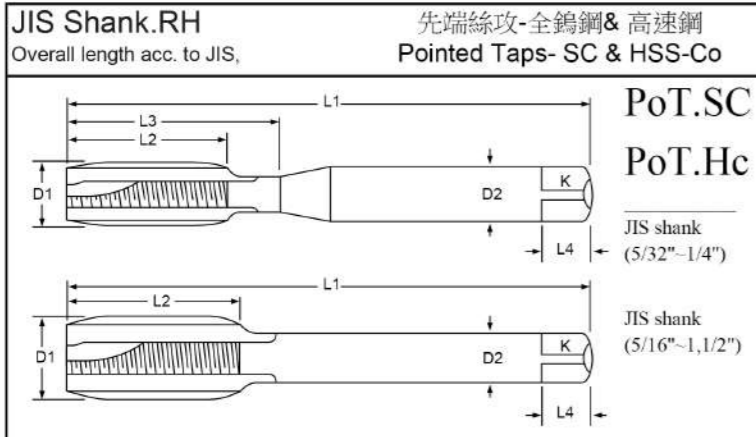


Table with 4 columns: Class of Fit, Coating, Tool Material, Chamfer length, cooling center, tool rekord. Rows for W(BSF) with SC and Hc.

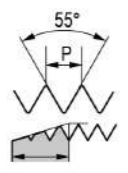
Main table for W(BSF) with columns for Nominal Pitch, O.L., C.L., W.L., O.D., K, Identification, J.SpT.SC, J.SpT.Hc, Flutes.

Table for Application-Material of workpiece with columns for material types and tap specifications.





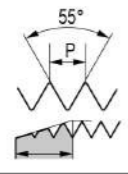
W(BSW)
Whitworth Thread
BS / DIN / JIS
thread 55° & parallel



精度	Class of Fit	Class2 / 3	Class2 / 3
鍍層	Coating	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=5P	CL= 5P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	C2-5P-#C.5	C2-5P-#C.5

日規柄-絲攻尺寸		JIS Shank- Tap Dimension						Identification		工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC-PoT-C2-5P-#C.5	Flutes	J.Hc-PoT-C2-5P-#C.5	Flutes	J.Hc-RFT-2BX-2P#RH	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
5/32	32	50	10P		5	4*7	J13.5)32BSW32	#O.5/ #C.5	3	*		*	
3/16	24	60	10P		5.5	4*7	J13.3)16BSW24	#O.5/ #C.5	3	*		*	
1/4	20	60	10P		6	4.5*7	J13.1)4BSW20	#O.5/ #C.5	3	customized	3	*	
5/16	18	70	10P		6.1	5*8	J13.5)16BSW18	#O.5/ #C.5	3	customized	3	*	
3/8	16	75	10P		7	5.5*8	J13.3)8BSW16	#O.5/ #C.5	3	customized	3	*	
7/16 @	14	75	10P		8	6*9	J13.7)16BSW14-S	#O.5/ #C.5	3	*		*	
1/2 @	12	75	10P		9	7*10	J13.1)2BSW12-S	#O.5/ #C.5	3	*		*	
7/16	14	80	10P		8	6*9	J33.7)16BSW14	customized	3	#O.5/ #C.5	3	*	
1/2	12	85	10P		9	7*10	J33.1)2BSW12	customized	3	#O.5/ #C.5	3	*	
9/16	12	90	10P		10.5	8*11	J33.9)16BSW12	customized	4	#O.5/ #C.5	4	*	
5/8	11	95	10P		12	9*12	J33.5)8BSW11	customized	4	#O.5/ #C.5	4	*	

W(BSF)
Whitworth Fine Thread
BS / DIN / JIS
thread 55° & parallel



精度	Class of Fit	Class2 / 3	Class2 / 3
鍍層	Coating	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=5P	CL=5P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	2B-5P#C.7	2B-5P#C.7

日規柄-絲攻尺寸		JIS Shank- Tap Dimension						Identification		工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.PoT.SC-C2-5P#C.5	Flutes	J.PoT.Hc-C2-5P#C.5	Flutes	J.Hc.RFT-2BX-2P#RH	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
1/4	26	60	10P		6	4.5*7	J13.1)4BSF26	#OA.5/ #C.5	3	*		*	
5/16	22	70	10P		6.1	5*8	J13.5)16BSF22	#OA.5/ #C.5	3	customized	3	*	
3/8	20	75	10P		7	5.5*8	J13.3)8BSF20	#OA.5/ #C.5	3	customized	3	*	
7/16 @	18	75	10P		8	6*9	J13.7)16BSF18-S	#OA.5/ #C.5	3	*		*	
1/2 @	16	75	10P		9	7*10	J13.1)2BSF16-S	#OA.5/ #C.5	3	*		*	
7/16	18	80	10P		8	6*9	J33.7)16BSF18	customized	3	#OA.5/ #C.5	3	*	
1/2	16	85	10P		9	7*10	J33.1)2BSF16	customized	3	#OA.5/ #C.5	3	*	
9/16	16	90	10P		10.5	8*11	J33.9)16BSF16	customized	4	#OA.5/ #C.5	4	*	
5/8	14	95	10P		12	9*12	J33.5)8BSF14	customized	4	#OA.5/ #C.5	4	*	

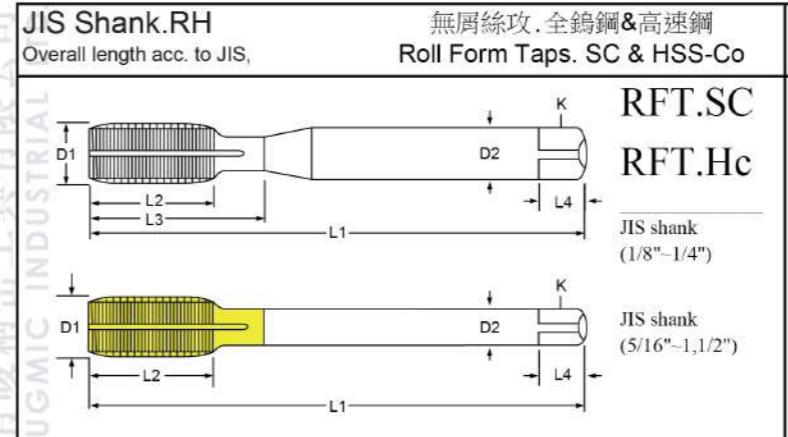
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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

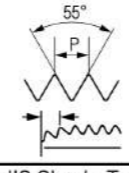
應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	鋼鐵金屬	鋼鐵金屬
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系
Steel : S45C	Stainless : SUS304	Nical: Inc718	FC FCD	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4
SCM	SUS304	Inc624	S200	Zine	A380	Brass: C46400
SNCM	SUS316		S400	Hardness steel	6061-T6	C6300
SKD11	SUS630		S600		7075-T7	C87800
						Bronze
						Titanium, SL
						SUS, NC, FCD, AL, @A, BC,
						Titanium, SL
						SUS, NC, FCD, AL, @A, BC,

相關螺紋規格 & 加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw



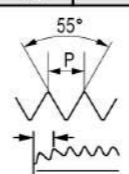
W(BSW)
Whitworth Thread
BS / DIN / JIS
thread 55° & parallel



精度	Class of Fit	Class2 / Class3	Class2 / Class3
鍍層	Coating	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=2P / 4P	CL=2P / 4P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	C2#RH6	C2#RH10

日規柄-絲攻尺寸		JIS Shank- Tap Dimension						Identification		工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC.RFT-2BX-2P#RH	Flutes	J.Hc.RFT-2BX-2P#RH	Flutes	J.Hc-RFT-2BX-2P#RH	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
1/8	40	50	10P		4	3.2*6	J14.1)8BSW40	#RH4~RH6	2	*		*	
5/32	32	50	10P		5	4*7	J14.5)32BSW32	#RH4~RH6	2	*		*	
3/16	24	60	10P		5.5	4.5*7	J14.3)16BSW24	#RH4~RH6	4	*		*	
1/4	20	60	10P		6	4.5*7	J14.1)4BSW20	#RH6~RH8	4	customized	4	*	
5/16	18	70	10P		6.1	5*8	J14.5)16BSW18	#RH6~RH8	6	customized	6	*	
3/8	16	75	10P		7	5.5*8	J14.3)8BSW16	#RH6~RH8	6	customized	6	*	
7/16	14	80	10P		8	6*9	J14.7)16BSW14	#RH6~RH8	6	customized	6	*	
1/2	12	85	10P		9	7*10	J14.1)2BSW12	#RH8~RH10	6	customized	6	*	
9/16	12	90	10P		11	8*11	J14.9)16BSW12	#RH8~RH10	6	customized	6	*	
5/8	11	95	10P		12	9*12	J34.5)8BSW11	customized	4	*	#RH10~RH12	6	*
3/4	10	105	10P		14	11*14	J34.3)4BSW10	*		#RH10~RH12	6	*	
7/8	9	115	10P		17	13*16	J34.7)8BSW9	*		#RH10~RH12	6	*	
1	8	125	10P		20	15*18	J34.1BSW8	*		#RH10~RH12	6	*	

W(BSF)
Whitworth Fine Thread
BS / DIN / JIS
thread 55° & parallel



精度	Class of Fit	Class2 / Class3	Class2 / Class3
鍍層	Coating	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2.5P	CL=1.5P / 2.5P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	2B-1.5P#C.7	2B-1.5P#C.7

日規柄-絲攻尺寸		JIS Shank- Tap Dimension						Identification		工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SC.RFT-2BX-2P#RH	Flutes	J.Hc.RFT-2BX-2P#RH	Flutes	J.Hc-RFT-2BX-2P#RH	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
1/4	26	60	10P		6	4.5*7	J14.1)4BSF26	#RH6~RH8	4	*	customized	4	*
5/16	22	70	10P		6.1	5*8	J14.5)16BSF22	#RH6~RH8	6	customized	6	*	
3/8	20	75	10P		7	5.5*8	J14.3)8BSF20	#RH6~RH8	6	customized	6	*	
7/16	18	80	10P		8	6*9	J14.7)16BSF18	#RH6~RH8	6	customized	6	*	
1/2	16	85	10P		9	7*10	J14.1)2BSF16	#RH6~RH8	6	customized	6	*	
9/16	16	90	10P		11	8*11	J14.9)16BSF16	#RH6~RH8	6	customized	6	*	
5/8	14	95	10P		12	9*12	J34.5)8BSF14	customized	6	*	#RH10~RH12	6	*
3/4	12	105	10P		14	11*14	J34.3)4BSF12	*		#RH10~RH12	6	*	
7/8	11	115	10P		17	13*16	J34.7)8BSF11	*		#RH10~RH12	6	*	
1	10	125	10P		20	15*18	J34.1BSF10	*		#RH10~RH12	6	*	

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

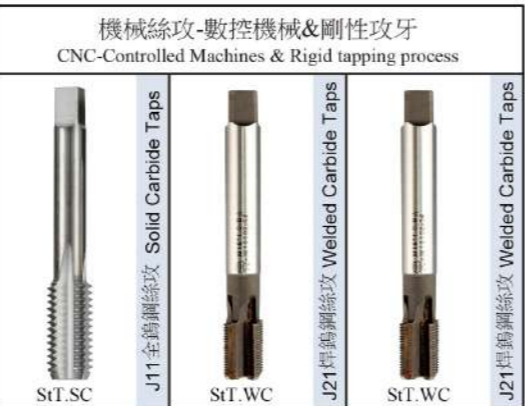
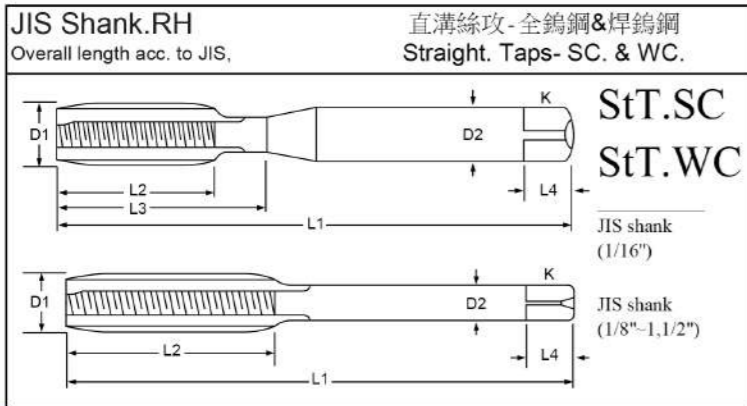
應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	延展性材料	延展性材料
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系
Steel : S45C	Stainless : SUS304	Nical: Inc718	FC FCD	Epoxy & Carbon, Zine, HRC>55	Aluminum ADC12	Ti6Al4V Ti-6-4
SCM	SUS304	Inc624	S200		A380	Brass: C46400
SNCM	SUS316		S400		6061-T6	C6300
SKD11	SUS630		S600		7075-T7	C87800
						Bronze
						Titanium, SL, SUS, NC, @A, AL, BC,
						Titanium,

相關螺紋規格 & 加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

- M/MJ
- UNC/
- UNJC
- UNF/
- UNJF
- UNEF/
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Re/PT
- PTF
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-
- STUB
- V/Vg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ

- M/MJ
- UNC/
- UNJC
- UNF/
- UNJF
- UNEF/
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Re/PT
- PTF
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-
- STUB
- V/Vg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ



PF(G)
ISO Pipe Thread
thread 55° & Parallel
BS / DIN / JIS / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Welded Carbide
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P/ 2.5P	CL=1.5P/ 2.5P	CL=1.5P/ 2.5P
工具記號	tool rekord	StT#C.7	StT#C.7	StT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-1.5P-#C.7	Flutes	J.StT.SC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	J.StT.WC-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-1.5P-#C.7	Flutes	J.StT.SC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	J.StT.WC-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

PS(Rp)
ISO Pipe Thread
thread 55° & Parallel
BS / DIN / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-1.5P-#C.7	Flutes	J.StT.SC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	J.StT.WC-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

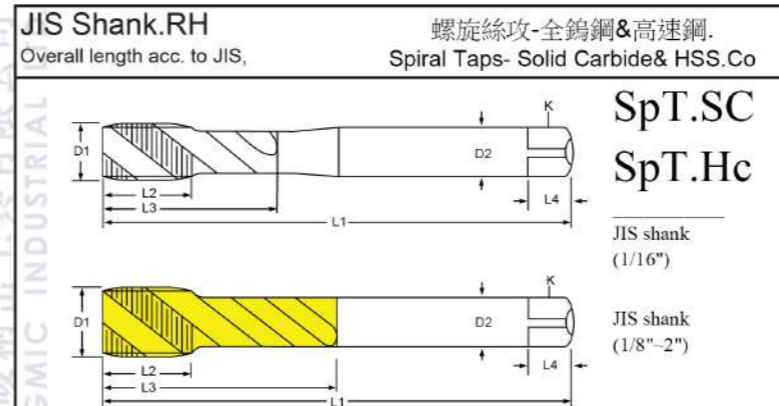
日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-1.5P-#C.7	Flutes	J.SpT.Hc-1.5P-#C.7	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

http://www.ugmic.com 有曉保留更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

SL	SUS	NC	FCD	A Others	AL	Titanium	BC	有色金屬	有色金屬	鋼鐵金屬
鋼系	不銹鋼	鎳基	鑄鐵系	@A其他	鋁系	鈦系	銅系	Non-ferrous metal	Non-ferrous metal	Ferrous metal
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	FC, FCD AL, Brass, Bronze @A Others Titanium,	AL, Ti-6-4 Brass, Bronze FC, FCD @A Others	Hand Taps, BC, AL, Titanium, @A other



PF(G)
ISO Pipe Thread
thread 55° & Parallel
BS / DIN / JIS / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-1.5P-#C.7	Flutes	J.StT.SC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	J.StT.WC-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-1.5P-#C.7	Flutes	J.StT.SC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	J.StT.WC-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

PS(Rp)
ISO Pipe Thread
thread 55° & Parallel
BS / DIN / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-1.5P-#C.7	Flutes	J.SpT.Hc-1.5P-#C.7	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	SpT#C.7	SpT#C.7	SpT#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord						
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-1.5P-#C.7	Flutes	J.SpT.Hc-1.5P-#C.7	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes	J.SpT.Hc-2.5P-#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□									
Size D1	T.P.I.	L1	L2	L3	D2	K									

http://www.ugmic.com 有曉保留更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

SL	SUS	NC	FCD	A Others	AL	Titanium	BC	max. 1.5 x dl	max. 1.5 x dl	max. 1.5 x dl
鋼系	不銹鋼	鎳基	鑄鐵系	@A其他	鋁系	鈦系	銅系	Non-ferrous metal	Non-ferrous metal	Ferrous metal
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc718 Inc624	FC FCD S200 S400 S600	Epoxy Carbon Zinc Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	FC, FCD AL, Brass, Bronze @A Others Titanium,	AL, Ti-6-4 Brass, Bronze FC, FCD @A Others	Hand Taps, BC, AL, Titanium, @A other

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Rc/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Rc/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

JIS Shank.RH

Overall length acc. to JIS, 直溝絲攻-全銲鋼&銲銲鋼
Straight Taps - SC & WC.

StT.SC
StT.WC

JIS Shank (1/16")
JIS Shank (1/8"-2")

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

StT.SC J11全銲鋼絲攻
StT.WC J21銲銲鋼絲攻
StT.WC J21銲銲鋼絲攻

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	NO	NO	NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Welded Carbide
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=1.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5

PT / Rc
National Pipe Taper thread 55° & Taper 1/16 BS / DIN / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	NO	NO	NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Welded Carbide
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=1.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord				Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J11.StT.SC- B'-1.5P#C.7	J21.StT.WC- B'-1.5P#C.7	J21.StT.WC- B'-1.5P#C.5	
Size D1	T.P.I.	L1	L2	L3	D2	K						

PTF
Dryseal Pipe Taper thread 60° & Taper 1/16 ANSIB2.2

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord				Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J11.StT.SC- B'-1.5P#C.7	J21.StT.WC- B'-1.5P#C.7	J21.StT.WC- B'-1.5P#C.5	
Size D1	T.P.I.	L1	L2	L3	D2	K						

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.7 / #C.7	#C.7	#C.5	#C.7	有色金屬	有色金屬	鋼鐵金屬
SL 鋼系	SUS 不銲鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C S45C SCM SUS304 SNCM SUS316 SKD11 SUS630	Stainless Inc718 SUS304 Inc624	Nical: FCD S200 S400 S600	FC Carbon A380 Hardness steel	Epoxy Zinc Titanium,	Aluminum ADC12 Ti-6-4 6061-T6 7075-T7	Ti6Al4V Ti-6-4 C46400 C6300 C87800	Brass: C46400 Bronze @A Others

相關螺紋規格&加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

JIS Shank.RH

Overall length acc. to JIS, 螺旋絲攻-全銲鋼&高速鋼
Spiral Taps-Solid Carbide & HSS-co

SpT.SC
SpT.Hc

JIS Shank (1/16")
JIS Shank (1/8"-2")

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

SpT.SC J12全銲鋼絲攻
SpT.Hc J32高速銲鋼含鈷絲攻 HSS-Co(M35)
SpT.Hc J32高速銲鋼含鈷絲攻 HSS-Co(M35)

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Welded Carbide
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=1.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5

PT / Rc
Pipe Taper Thread thread 55° & Taper 1/16 BS / DIN / ISO

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	Welded Carbide
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=1.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord				Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.SpT.SC- B'-1.5P#C.7	J.SpT.Hc- B'-1.5P#C.7	J.SpT.Hc- B'-2.5P#C.5	
Size D1	T.P.I.	L1	L2	L3	D2	K						

PTF
Dryseal Pipe Taper thread 60° & Taper 1/16 ANSIB2.2

精度	Class of Fit	B'=work length	B'=work length	B'=work length
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
內冷孔	cooling center	NO	NO	NO
引導長	Chamfer length	CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
工具記號	tool rekord	B'-1.5P#C.7	B'-1.5P#C.7	B'-2.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord				Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.SpT.SC- B'-1.5P#C.7	J.SpT.Hc- B'-1.5P#C.7	J.SpT.Hc- B'-2.5P#C.5	
Size D1	T.P.I.	L1	L2	L3	D2	K						

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.7 / #C.7	#C.7	#C.5	#C.7	有色金屬	有色金屬	鋼鐵金屬
SL 鋼系	SUS 不銲鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C S45C SCM SUS304 SNCM SUS316 SKD11 SUS630	Stainless Inc718 SUS304 Inc624	Nical: FCD S200 S400 S600	FC Carbon A380 Hardness steel	Epoxy Zinc Titanium,	Aluminum ADC12 Ti-6-4 6061-T6 7075-T7	Ti6Al4V Ti-6-4 C46400 C6300 C87800	Brass: C46400 Bronze @A Others

相關螺紋規格&加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

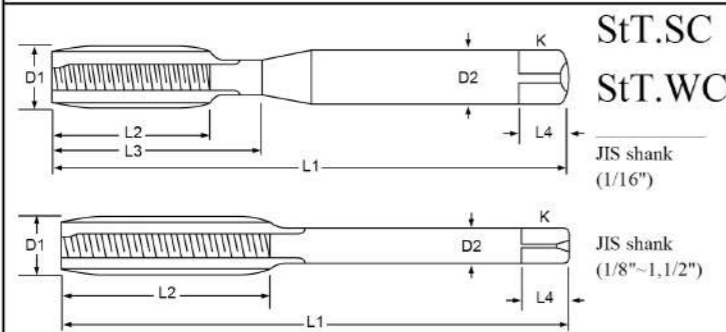
M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Rc/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Rc/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

JIS Shank.RH

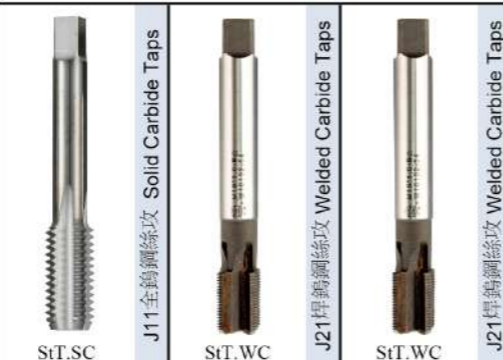
Overall length acc. to JIS,

直溝絲攻-全銲鋼&銲銲鋼
Straight Taps - SC. & WC.



機械絲攻-數控機械&剛性攻牙

CNC-Controlled Machines & Rigid tapping process



NPT		精度 Class of Fit		B'=work length	B'=work length	B'=work length
National Pipe Taper		鍍層 Coating		NO	NO	NO
thread 60° & Taper 1/16		工具材質 Tool Material		Solid Carbide	Welded Carbide	Welded Carbide
ANSI B2.1		內冷孔 cooling center		NO	NO	NO
		引導長 Chamfer length		CL=1.5P	CL=1.5P	CL=1.5P
		工具記號 tool rekord		B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification		工具參數 Rekord		
規格 Nominal	牙距 Pitch	總長 O.L	刃長 C.L	工作長 W.L.	柄徑 O.D.	方頭 □
Size D1	T.P.I.	L1	L2	L3	D2	K
1/16"	27	60	16		8	6*9
1/8"	27	60	16		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	75	23		14	11*14
1/8"	27	60	16		8	6*9
1/4"	18	85	18		11	9*12
3/8"	18	100	18		14	11*14
1/2"	14	100	22		18	14*17
3/4"	14	100	22		23	17*20
1"	11.5	110	28		26	21*24
1.1/4" (~2")	11.5	120	28		32	26*26

NPTF		精度 Class of Fit		B'=work length	B'=work length	B'=work length
Dryseal Pipe Taper		鍍層 Coating		NO	TiCN / NO	TiCN / NO
thread 60° & Taper 1/16		工具材質 Tool Material		Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
ANSI B2.2		內冷孔 cooling center		NO	NO	NO
		引導長 Chamfer length		CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
		工具記號 tool rekord		B'-1.5P#C.7	B'-1.5P#C.7	B'-1.5P#C.5
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification		工具參數 Rekord		
規格 Nominal	牙距 Pitch	總長 O.L	刃長 C.L	工作長 W.L.	柄徑 O.D.	方頭 □
Size D1	T.P.I.	L1	L2	L3	D2	K
1/16"	27	60	16		8	6*9
1/8"	27	60	16		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	75	23		14	11*14
1/4"	18	85	18		11	9*12
3/8"	18	100	18		14	11*14
1/2"	14	100	22		18	14*17
3/4"	14	100	22		23	17*20
1"	11.5	110	28		26	21*24
1.1/4" (~2")	11.5	120	28		32	26*26

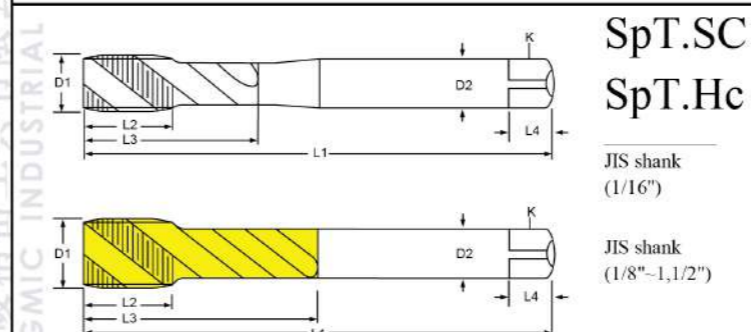
應用工件材質 Application-Material of workpiece		非鐵金屬 Non-ferrous metal			鋼鐵金屬 Ferrous metal		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	A Others @A其他	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC FCD	Epoxy Carbon Zine Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze
SCM	SUS316	Inc624	S200 S400 S600				FC, FCD AL, Brass, Bronze @A Others Titanium,
SNCM	SUS316						
SKD11	SUS630						Hand Taps, BC, AL, Titanium, @A other

相關螺紋規格&加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

JIS Shank.RH

Overall length acc. to JIS,

螺旋絲攻-全銲鋼&高速鋼
Spiral Taps- Solid Carbide& HSS-co



NPT		精度 Class of Fit		B'=work length	B'=work length	B'=work length
National Pipe Taper		鍍層 Coating		NO	NO	NO
thread 60° & Taper 1/16		工具材質 Tool Material		Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
ANSI B2.1		內冷孔 cooling center		NO	NO	NO
		引導長 Chamfer length		CL=1.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
		工具記號 tool rekord		1.5P#C.7	1.5P#C.7	2.5P#C.7
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification		工具參數 Rekord		
規格 Nominal	牙距 Pitch	總長 O.L	刃長 C.L	工作長 W.L.	柄徑 O.D.	方頭 □
Size D1	T.P.I.	L1	L2	L3	D2	K
1/16"	27	60	17		8	6*9
1/8"	27	60	17		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	75	23		14	11*14
1/8"	27	60	17		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	85	23		14	11*14
1/2"	14	100	23		18	14*17
3/4"	14	100	23		23	17*20
1"	11.5	100	28		26	21*24
1.1/4" (~2")	11.5	110	28		32	26*30

NPTF		精度 Class of Fit		B'=work length	B'=work length	B'=work length
Dryseal Pipe Taper		鍍層 Coating		NO	TiCN / NO	TiCN / NO
thread 60° & Taper 1/16		工具材質 Tool Material		Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
ANSI B2.2		內冷孔 cooling center		Center / NO	NO	NO
		引導長 Chamfer length		CL=1.5P / 2.5P	CL=1.5P / 2.5P	CL=1.5P / 2.5P
		工具記號 tool rekord		1.5P#C.7	1.5P#C.7	2.5P#C.7
日規柄-絲攻尺寸 JIS Shank- Tap Dimension		Identification		工具參數 Rekord		
規格 Nominal	牙距 Pitch	總長 O.L	刃長 C.L	工作長 W.L.	柄徑 O.D.	方頭 □
Size D1	T.P.I.	L1	L2	L3	D2	K
1/16"	27	60	17		8	6*9
1/8"	27	60	17		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	75	23		14	11*14
1/8"	27	60	17		8	6*9
1/4"	18	75	23		11	9*12
3/8"	18	85	23		14	11*14
1/2"	14	100	25		18	14*17
3/4"	14	100	25		23	17*20
1"	11.5	100	29		26	21*24
1.1/4" (~2")	11.5	110	29		32	26*30

應用工件材質 Application-Material of workpiece		非鐵金屬 Non-ferrous metal			鋼鐵金屬 Ferrous metal		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	A Others @A其他	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC FCD	Epoxy Carbon Zine Hardness steel	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze
SCM	SUS316	Inc624	S200 S400 S600				FC, FCD AL, Brass, Bronze @A Others Titanium,
SNCM	SUS316						
SKD11	SUS630						Hand Taps, BC, AL, Titanium, @A other

相關螺紋規格&加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-STUB
VVg-CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-STUB
VVg-CTV
BC/BSC
NGT
NGO
PZ

JIS Shank.RH Overall length acc. to JIS, 直溝絲攻-全鈷鋼&焊鈷鋼 Straight Taps- SC. & WC.

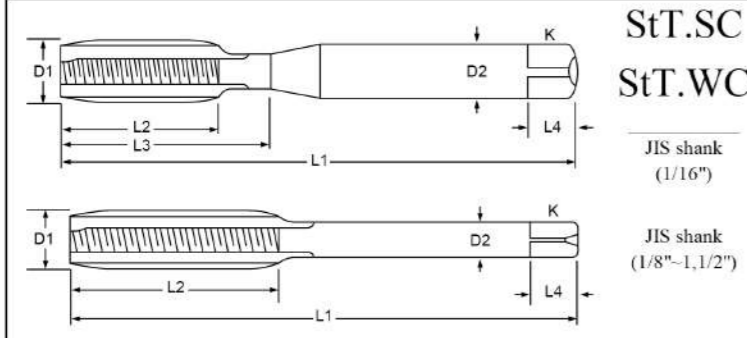


Table with columns for Class of Fit, Coating, Tool Material, cooling center, Chamfer length, tool rekord.

Table with columns for JIS Shank- Tap Dimension, Identification, J.SC-StT, J.WC-StT, J.WC-StT.

NPSM National Pipe Thread thread 60° & Parallel ANSI (USA)

Table with columns for NPSM dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

Table with columns for NPSF dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized.

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process



Table with columns for B'=work length, Coating, Tool Material, cooling center, Chamfer length, tool rekord.

Table with columns for JIS Shank- Tap Dimension, Identification, J.SC-StT, J.WC-StT, J.WC-StT.

NPSF Dryseal Pipe Thread thread 60° & Parallel ANSI (USA)

Table with columns for NPSF dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

Table with columns for NPSF dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized.

JIS Shank.RH Overall length acc. to JIS, 螺旋絲攻-全鈷鋼&高速鋼 Spiral Taps- SC. & HSS-co

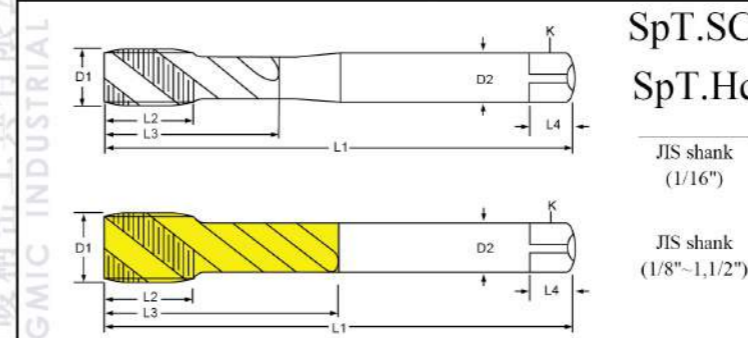


Table with columns for Class of Fit, Coating, Tool Material, cooling center, Chamfer length, tool rekord.

Table with columns for JIS Shank- Tap Dimension, Identification, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

NPSM National Pipe Thread thread 60° & Parallel ANSI (USA)

Table with columns for NPSM dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

Table with columns for NPSM dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized.

機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process



Table with columns for B'=work length, Coating, Tool Material, cooling center, Chamfer length, tool rekord.

Table with columns for JIS Shank- Tap Dimension, Identification, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

NPSF Dryseal Pipe Thread thread 60° & Parallel ANSI (USA)

Table with columns for NPSF dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

Table with columns for NPSF dimensions: Nominal, Pitch, O.L., C.L., W.L., O.D., ID, J.SpT.SC, J.SpT.Hc, J.SpT.Hc.

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized.

- M/MJ, UNC, UNJC, UNF, UNJF, UNEF, UNJEF, W/BSW, WF/BSF, G/PF, Rp/PS, Rc/PT, PTF, NPTF, NPT, NPSM, NPSF, HC-M, HC-UN, Tr, ACME, TW, ACME-STUB, V/Vg, CTV, BC/BSC, NGT, NGO, PZ

- M/MJ, UNC, UNJC, UNF, UNJF, UNEF, UNJEF, W/BSW, WF/BSF, G/PF, Rp/PS, Rc/PT, PTF, NPTF, NPT, NPSM, NPSF, HC-M, HC-UN, Tr, ACME, TW, ACME-STUB, V/Vg, CTV, BC/BSC, NGT, NGO, PZ

JIS Shank.RH 護套絲攻-直溝 & 先端 Helicoil Taps -Straight & Pointed

Overall length acc. to JIS, 機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

StT.SC
PoT.SC
PoT.Hc

JIS shank (M1.4-M6)
JIS shank (M8-M16)

StT.SC J11全鈦鋼絲攻 Solid Carbide Taps
PoT.SC J13全鈦鋼絲攻 Solid Carbide Taps
PoT.Hc J33高速鋼含鈦絲攻 HSS-Co(M35) Taps

HC-M Helicoil Metric Thread STI & Helicoil thread 60° & parallel

精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
引導長	Chamfer length	CL=2P, 5P	CL= 5P	CL= 5P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-5P#C.5	6H-5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-6H-2P#C.7	Flutes	J.PoT.SC-6H-5P#C.5	Flutes	J.PoT.Hc-6H-5P#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
HC-M2	0.4	50	10P	3D1	3	2.5*5	J11.HCM020P040	#O.7/#A.7	2	customized	3	*	
HC-M2.3	0.45	50	10P	3D1	3	2.5*5	J11.HCM023P045	#O.7/#A.7	2	customized	3	*	
HC-M2.5	0.45	50	10P	3D1	3	2.5*5	J11.HCM025P045	#O.7/#A.7	3	customized	3	*	
HC-M3	0.5	50	10P	3D1	4	3.2*6	J11.HCM030P050	#O.7/#A.7	3	customized	3	*	
HC-M3.5	0.6	50	10P	3D1	4	3.2*6	J11.HCM035P060	#O.7/#A.7	3	customized	3	*	
HC-M4	0.7	50	10P	3D1	5	4*7	J11.HCM040P070	#O.7/#A.7	3	customized	3	*	
HC-M4.5	0.75	50	10P	3D1	5	4*7	J11.HCM045P075	#O.7/#A.7	3	customized	3	*	
HC-M5	0.8	60	10P	3D1	5.5	4.5*7	J11.HCM050P080	#O.7/#A.7	3	customized	3	*	
HC-M6	0.75	60	10P	3D1	6	4.5*7	J11.HCM060P075	#O.7/#A.7	3	customized	3	*	
HC-M6	1.0	60	10P	3D1	6	4.5*7	J11.HCM060P100	#O.7/#A.7	3	customized	3	*	
HC-M8	(0.75)1.0	70	10P	*	6.2	5*8	J11.HCM080P100	#C.7/#A.7	4	customized	3	*	
HC-M8	1.25	70	10P	*	6.2	5*8	J11.HCM080P125	#C.7/#A.7	4	customized	3	*	
HC-M10	(1.0)1.25	75	10P	*	7	5.5*8	J11.HCM100P125	#C.7/#A.7	4	customized	3	customized	3
HC-M10	1.5	75	10P	*	7	5.5*8	J11.HCM100P150	#C.7/#A.7	4	customized	3	customized	3
HC-M12 @	(1.0~)1.5	75	10P	*	8.5	6.5*9	J11.HCM120P150-S	#C.7/#A.7	4	customized	3	customized	3
HC-M12 @	1.75	75	10P	*	8.5	6.5*9	J11.HCM120P175-S	#C.7/#A.7	4	customized	3	customized	3
HC-M12	(1.0~)1.5	82	10P	*	8.5	6.5*9	J11.HCM120P150	#C.7/#A.7	4	customized	3	customized	3
HC-M12	1.75	82	10P	*	8.5	6.5*9	J11.HCM120P175	#C.7/#A.7	4	customized	3	customized	3
HC-M14	(1.0~)1.5	90	10P	*	10.5	8*11	J11.HCM140P150	#C.7/#A.7	4	customized	4	customized	4
HC-M14	2.0	90	10P	*	10.5	8*11	J11.HCM140P200	#C.7/#A.7	4	customized	4	customized	4
HC-M16	(1.0~)1.5	95	10P	*	12.5	10*13	J11.HCM160P150	#C.7/#A.7	4	customized	4	customized	4
HC-M16	2.0	95	10P	*	12.5	10*13	J11.HCM160P200	#C.7/#A.7	4	customized	4	customized	4

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece							有色金屬			所有金屬			
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	Non-ferrous metal			Non-ferrous & ferrous metal			Non-ferrous & ferrous metal		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4
Steel : S45C	Stainless SUS304	Nical: Inc718	FC ADC12	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4
SCM SUS316	SUS304	Inc624	S200	Zinc	A380		C6300	Brass, Bronze	Brass, Bronze	Brass, Bronze	Brass, Bronze	Brass, Bronze	
SNCM SUS630	SUS316		S400	Hardness steel	6061-T6		C87800	FC, FCD	FC, FCD	FC, FCD	FC, FCD	FC, FCD	
SKD11	SUS630		S600		7075-T7			A Others	A Others	A Others	A Others	A Others	

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. <http://www.ugmic.com.tw>



JIS Shank.RH 護套絲攻-螺旋 Helicoil Taps -Spiral

Overall length acc. to JIS, 機械絲攻-數控機械&剛性攻牙 CNC-Controlled Machines & Rigid tapping process

SpT.SC
SpT.Hc

JIS shank (M1.4-M6)
JIS shank (M8-M16)

SpT.SC J12全鈦鋼絲攻 Solid Carbide Taps
SpT.Hc J32高速鋼含鈦絲攻 HSS-Co(M35) Taps

HC-M Helicoil Metric Thread STI & Helicoil thread 60° & parallel

精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	
鍍層	Coating	TiCN / NO	TiCN / NO	
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	
引導長	Chamfer length	CL=1.5P / 2.5P	CL=2P	
內冷孔	cooling center	Center / NO	NO	
工具記號	tool rekord	6H-1.5P#C.7	6H-2P#C.5	

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-6H-1.5P#C.7	Flutes	J.SpT.Hc-6H-2P#C.5	Flutes	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□							
Size D1	T.P.I.	L1	L2	L3	D2	K							
HC-M2	0.4	50	10P	3D1	3	2.5*5	J12.HCM020P040	#O.7	2	*			
HC-M2.3	0.45	50	10P	3D1	3	2.5*5	J12.HCM023P045	#O.7	2	*			
HC-M2.5	0.45	50	10P	3D1	3	2.5*5	J12.HCM025P045	#O.7	2	*			
HC-M3	0.5	50	10P	3D1	4	3.2*6	J12.HCM030P050	#O.7/ #A.7	3	*			
HC-M3.5	0.6	50	10P	3D1	4	3.2*6	J12.HCM035P060	#O.7/ #A.7	3	*			
HC-M4	0.7	50	10P	3D1	5	4*7	J12.HCM040P070	#O.7/ #A.7	3	*			
HC-M4.5	0.75	50	10P	3D1	5	4*7	J12.HCM045P075	#O.7/ #A.7	3	*			
HC-M5	0.8	60	10P	3D1	5.5	4.5*7	J12.HCM050P080	#O.7/ #A.7	3	customized	3		
HC-M6	0.75	60	10P	3D1	6	4.5*7	J12.HCM060P075	#O.7/ #A.7	3	customized	3		
HC-M6	1.0	60	10P	3D1	6	4.5*7	J12.HCM060P100	#O.7/ #A.7	3	customized	3		
HC-M8	(0.75)1.0	70	10P	*	6.2	5*8	J12.HCM080P100	#O.7/ #A.7	3	customized	3		
HC-M8	1.25	70	10P	*	6.2	5*8	J12.HCM080P125	#O.7/ #A.7	3	customized	3		
HC-M10	(1.0)1.25	75	10P	*	7	5.5*8	J12.HCM100P125	#O.7/ #A.7	3	customized	3		
HC-M10	1.5	75	10P	*	7	5.5*8	J12.HCM100P150	#O.7/ #A.7	3	customized	3		
HC-M12 @	(1.0~)1.5	75	10P	*	8.5	6.5*9	J12.HCM120P150-S	#O.7/ #A.7	3	customized	3		
HC-M12 @	1.75	75	10P	*	8.5	6.5*9	J12.HCM120P175-S	#O.7/ #A.7	3	customized	3		
HC-M12	(1.0~)1.5	82	10P	*	8.5	6.5*9	J12.HCM120P150	#O.7/ #A.7	3	customized	3		
HC-M12	1.75	82	10P	*	8.5	6.5*9	J12.HCM120P175	#O.7/ #A.7	3	customized	3		
HC-M14	(1.0~)1.5	90	10P	*	10.5	8*11	J32.HCM140P150	customized	4	#C.5/#A.5	4		
HC-M14	2.0	90	10P	*	10.5	8*11	J32.HCM140P200	customized	4	#C.5/#A.5	4		
HC-M16	(1.0~)1.5	95	10P	*	12.5	10*13	J32.HCM160P150	customized	4	#C.5/#A.5	4		
HC-M16	2.0	95	10P	*	12.5	10*13	J32.HCM160P200	customized	4	#C.5/#A.5	4		

<http://www.ugmic.com.tw> 有峻保留最終參數更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece							有色金屬			鋼鐵金屬			
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	Non-ferrous metal			Non-ferrous & ferrous metal			Non-ferrous & ferrous metal		
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系	AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	
Steel : S45C	Stainless SUS304	Nical: Inc718	FC ADC12	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	Hand Tap AL, Ti-6-4	
SCM SUS316	SUS304	Inc624	S200	Zinc	A380		C6300	Brass, Bronze	Brass, Bronze	Brass, Bronze	Brass, Bronze	Brass, Bronze	
SNCM SUS630	SUS316		S400	Hardness steel	6061-T6		C87800	FC, FCD	FC, FCD	FC, FCD	FC, FCD	FC, FCD	
SKD11	SUS630		S600		7075-T7			A Others	A Others	A Others	A Others	A Others	

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. <http://www.ugmic.com.tw>

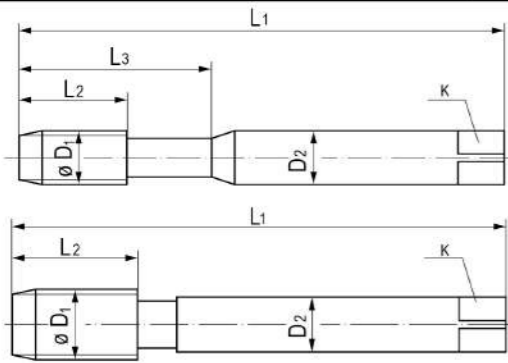


JIS Shank.RH

Overall length acc. to JIS,

護套絲攻-直溝 & 先端
Helicoil Taps - Straight & Pointed

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



StT.SC
PoT.SC
PoT.Hc

JIS shank
(No.4-1/4")

JIS shank
(5/16"-9/16")



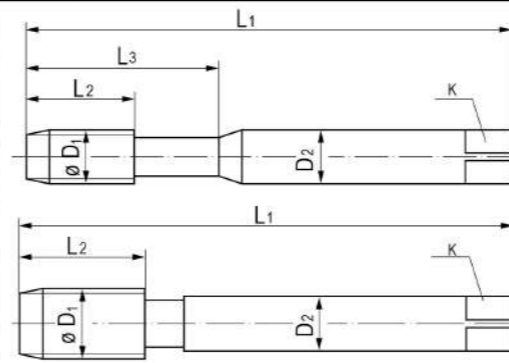
J11全鈦鍍層絲攻
J13全鈦鍍層絲攻
J33高速鋼含鈦絲攻(HSS-Co(M35)) Taps

JIS Shank.RH

Overall length acc. to JIS,

護套絲攻-螺旋
Helicoil Taps - Spiral

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



SpT.SC
SpT.Hc

JIS shank
(No.4-1/4")

JIS shank
(5/16"-9/16")



J12全鈦鍍層絲攻
J32高速鋼含鈦絲攻(HSS-Co(M35)) Taps



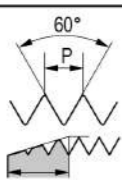
- M/MJ
- UNC/
- UNJC
- UNF/
- UNJF
- UNEF/
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Re/PT
- PTF
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg-CTV
- BC/BSC
- NGT
- NGO
- PZ

- M/MJ
- UNC/
- UNJC
- UNF/
- UNJF
- UNEF/
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Re/PT
- PTF
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg-CTV
- BC/BSC
- NGT
- NGO
- PZ

HC-UNC/UNF

HC-UNEF

Helicoil Unified Thread
STI & Helicoil
thread 60° & parallel



精度	Class of Fit	2B / 3B	2B / 3B	2B / 3B
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
引導長	Chamfer length	CL=2P, 5P	CL= 5P	CL= 5P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-5P#C.5	6H-5P#C.5

2B / 3B	2B / 3B	2B / 3B
TiCN / NO	TiCN / NO	TiCN / NO
Solid Carbide	HSS-Co(M35)	HSS-Co(M35)
CL=2P, 5P	CL= 5P	CL= 5P
Center / NO	NO	NO
6H-2P#C.7	6H-5P#C.5	6H-5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension										Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-6H-2P-#C.7	Flutes	J.PoT.SC-6H-5P#C.5	Flutes	J.PoT.Hc-6H-5P#C.5	Flutes	Flutes			
Nominal	Pitch	O.L	C.L	W.L.	O.D.												
Size D1	T.P.I.	L1	L2	L3	D2	K											
HC-U#4	40	50	10P	3D1	3	2.5*5	J11.HC#4U40	#O.7/#A.7	3	*	*	*	*	*			
HC-U#5	40	50	10P	3D1	4	3.2*6	J11.HC#5U40	#O.7/#A.7	3	*	*	*	*	*			
HC-U#6	32	50	10P	3D1	4	3.2*6	J11.HC#6U32	#O.7/#A.7	3	*	*	*	*	*			
HC-U#8	32	50	10P	3D1	5	4*7	J11.HC#8U32	#O.7/#A.7	3	*	*	*	*	*			
HC-U#10	24	60	10P	3D1	5.5	4.5*7	J11.HC#10U24	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#12	24	60	10P	3D1	5.5	4.5*7	J11.HC#12U24	#O.7/#A.7	3	customized	3	*	*	*			
HC-U1/4	20	60	10P	3D1	6	4.5*7	J11.HC1/4U20	#O.7/#A.7	3	customized	3	*	*	*			
HC-U5/16	18	70	10P	*	6.1	5*8	J11.HC5/16U18	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U3/8	16	75	10P	*	7	5.5*8	J11.HC3/8U16	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U7/16	14	80	10P	*	8	6*9	J11.HC7/16U14	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U1/2	13	85	10P	*	9	7*10	J11.HC1/2U13	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U9/16	12	90	10P	*	10.5	8*11	J11.HC9/16U12	#C.7/#A.7	4	customized	4	customized	4	*			
HC-U#4	48	50	10P	3D1	5	4*7	J11.HC#4U48	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#5	44	50	10P	3D1	5	4*7	J11.HC#5U44	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#6	40	50	10P	3D1	5	4*7	J11.HC#6U40	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#8	36	50	10P	3D1	5	4*7	J11.HC#8U36	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#10	32	60	10P	3D1	5.5	4.5*7	J11.HC#10U32	#O.7/#A.7	3	customized	3	*	*	*			
HC-U#12	28	60	10P	3D1	6	4.5*7	J11.HC#12U28	#O.7/#A.7	3	customized	3	*	*	*			
HC-U1/4	28	60	10P	3D1	6	4.5*7	J11.HC1/4U28	#O.7/#A.7	3	customized	3	*	*	*			
HC-U5/16	24	70	10P	*	6.1	5*8	J11.HC5/16U24	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U3/8	24	75	10P	*	7	5.5*8	J11.HC3/8U24	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U7/16	20	80	10P	*	8	6*9	J11.HC7/16U20	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U1/2	20	85	10P	*	9	7*10	J11.HC1/2U20	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U9/16	18	90	10P	*	10.5	8*11	J11.HC9/16U18	#C.7/#A.7	4	customized	4	customized	4	*			
HC-U#12	32	60	10P	3D1	5.5	4.5*7	J11.HC#12U32	#O.7/#A.7	3	customized	3	*	*	*			
HC-U1/4	32	60	10P	3D1	6	4.5*7	J11.HC1/4U32	#O.7/#A.7	3	customized	3	*	*	*			
HC-U5/16	32	70	10P	*	6.1	5*8	J11.HC5/16U32	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U3/8	32	75	10P	*	7	5.5*8	J11.HC3/8U32	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U7/16	28	80	10P	*	8	6*9	J11.HC7/16U28	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U1/2	28	85	10P	*	9	7*10	J11.HC1/2U28	#C.7/#A.7	4	customized	3	customized	3	*			
HC-U9/16	24	90	10P	*	10.5	8*11	J11.HC9/16U24	#C.7/#A.7	4	customized	4	customized	4	*			

http://www.ugmic.com.tw 有峻保留最終參數更改權利										http://www.ugmic.com.tw 有峻保留最終參數更改權利			
工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece										工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece			
應用工件材質 Application-Material of workpiece										應用工件材質 Application-Material of workpiece			
#C.45 / #C.5										#C.45 / #C.5			
#A.8 / #C.7										#A.8 / #C.7			
#C.7										#C.7			
#C.5										#C.5			
#C.7										#C.7			
Titanium										Titanium			
BC										BC			
Steel : S45C										Steel : S45C			
SCM										SCM			
SUS304										SUS304			
SUS316										SUS316			
SKD11										SKD11			
Nical: Inc718										Nical: Inc718			
FC										FC			
FCD										FCD			
Epoxy										Epoxy			
Carbon										Carbon			
Zinc										Zinc			
Hardness steel										Hardness steel			
Aluminum										Aluminum			
ADC12										ADC12			
A380										A380			
6061-T6										6061-T6			
7075-T7										7075-T7			
Ti6Al4V										Ti6Al4V			
Ti-6-4										Ti-6-4			
Brass: C46400										Brass: C46400			
C6300										C6300			
C87800										C87800			
Bronze										Bronze			
AL, Ti-6-4										AL, Ti-6-4			
Brass, Bronze										Brass, Bronze			
FC, FCD										FC, FCD			
A Others										A Others			
Hand Tap										Hand Tap			
AL, Ti-6-4										AL, Ti-6-4			
Brass, Bronze										Brass, Bronze			
FC, FCD										FC, FCD			
A Others										A Others			

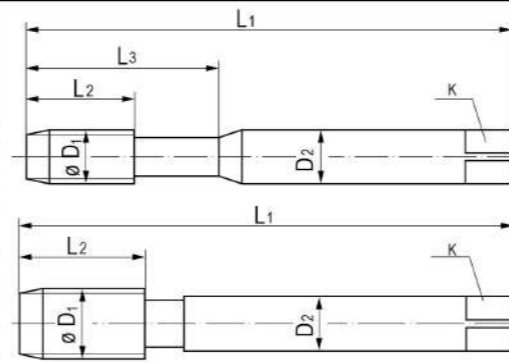
相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

JIS Shank.RH

Overall length acc. to JIS,

護套絲攻-螺旋
Helicoil Taps - Spiral

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



SpT.SC
SpT.Hc

JIS shank
(No.4-1/4")

JIS shank
(5/16"-9/16")

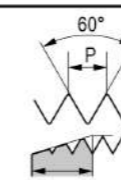


J12全鈦鍍層絲攻
J32高速鋼含鈦絲攻(HSS-Co(M35)) Taps

HC-UNC/UNF

HC-UNEF

Helicoil Unified Thread
STI & Helicoil
thread 60° & parallel



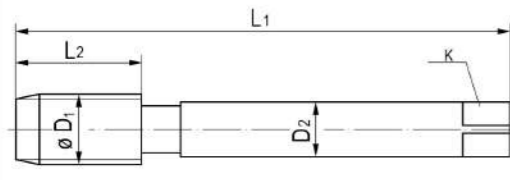
精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=1.5P / 2.5P	CL=2P
內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	6H-1.5P#C.7	6H-2P#C.5

7H/ 6H/ 4H	7H/ 6H/ 4H
TiCN / NO	TiCN / NO
Solid Carbide	HSS-Co(M35)
CL=1.5P / 2.5P	CL=2P
Center / NO	NO
6H-1.5P#C.7	6H-2P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension										Identification				工具參數 Rekord			
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-6H-1.5P#C.7	Flutes	J.SpT.Hc-6H-2P#C.5	Flutes	Flutes	Flutes				
Nominal	Pitch	O.L	C.L	W.L.	O.D.												
Size D1	T.P.I.	L1	L2	L3	D2	K											
HC-U# 4	40	50	10P	3D1	3	2.5*5	J12.HC#4U40	#O.7/#A.7	3	*	*	*	*				
HC-U# 5	40	50	10P	3D1	4	3.2*6	J12.HC#5U40	#O.7/#A.7	3	*	*	*	*				
HC-U# 6	32	50	10P	3D1	4	3.2*6	J12.HC#6U32	#O.7/#A.7	3	*	*	*	*				
HC-U# 8	32	50	10P	3D1	5	4*7	J12.HC#8U32	#O.7/#A.7	3	*	*	*	*				
HC-U#10	24	60	10P	3D1	5.5	4.5*7	J12.HC#10U24	#O.7/#A.7	3	customized	3	*	*				
HC-U#12	24	60	10P	3D1	5.5	4.5*7	J12.HC#12U24	#O.7/#A.7	3	customized	3	*	*				
HC-U1/4	20	60	10P	3D1	6	4.5*7	J12.HC1/4U20	#C.7/#A.7	3	customized	3	*	*				
HC-U5/16	18	70	10P	*	6.1	5*8	J12.HC5/16U18	#C.7/#A.7	3	customized	3	*	*				
HC-U3/8	16	75	10P	*	7	5.5*8	J12.HC3/8U16	#C.7/#A.7	3	customized	3	*	*				
HC-U7/16	14	80	10P	*	8	6*9	J12.HC7/16U14	#C.7/#A.7	3	customized	3	*	*				
HC-U1/2	13	85	10P	*	9	7*10	J12.HC1/2U13	#C.7/#A.7	3	customized	3	*	*				
HC-U9/16	12	90	10P	*	10.5	8*11	J12.HC9/16U12	#C.7/#A.7	3	customized	3	*	*				
HC-U# 4	48	50	10P	3D1	5	4*7	J12.HC#4U48	#O.7/#A.7	3	*	*	*	*				
HC-U# 5	44	50	10P	3D1	5	4*7	J12.HC#5U44	#O.7/#A.7	3	*	*	*	*				
HC-U# 6	40	50	10P	3D1	5	4*7	J12.HC#6U40	#O.7/#A.7	3	*	*	*	*				
HC-U# 8	36	50	10P	3D1	5	4*7	J12.HC#8U36	#O.7/#A.7	3	customized	3	*	*				
HC-U#10	32	60	10P	3D1	5.5	4.5*7	J12.HC#10U32	#O.7/#A.7	3	customized	3	*	*				
HC-U#12	28	60	10P	3D1	6	4.5*7	J12.HC#12U28	#O.7/#A.7	3	customized	3	*	*				
HC-U1/4	28	60	10P	3D1	6	4.5*7	J12.HC1/4U28	#O.7/#A.7	3	customized	3	*	*				
HC-U5/16	24	70	10P	*	6.1												


JIS Shank.RH Overall length acc. to JIS, 螺旋&直溝絲攻-高速鋼&鈹鋼
Spiral & Straight Taps- Hc,SC

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



SpT.Hc
StT.SC
StT.WC

JIS shank (Tr8-Tr26)



SpT.Hc J32高速鋼含鈹絲攻 HSS-Co(M35)
StT.SC J11全鈹鋼絲攻 Solid Carbide Taps
StT.WC J21焊鈹鋼絲攻 Welded Carbide Taps

精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H	7H/ 6H/ 4H
鍍層	Coating	TiCN / NO	NO	NO
工具材質	Tool Material	HSS-Co(M35)	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P	CL= 2P / 5P	CL= 2P / 5P
內冷孔	cooling center	NO	NO	NO
工具記號	tool rekord	6H-2P#C.5	6H-2P#C.7	6H-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.SpT.Hc-6H-2P#C.5	Flutes	J.SpT.SC-6H-2P#A.7	Flutes	J.SpT.WC-6H-2P#C.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

Tr / Tr_{STUB} Metric Trapezoidal ISO/ DIN/ JIS/ ANSI Thread 30° & parallel

精度 Class of Fit 2G/ 3G 2G/ 3G 2G/ 3G

鍍層 Coating TiCN / NO TiCN / NO NO

工具材質 Tool Material Solid Carbide Solid Carbide Welded Carbide

引導長 Chamfer length CL=2P CL=2P,5P CL= 2P,5P

內冷孔 cooling center Center / NO Center / NO NO

工具記號 tool rekord 2BX-2P#C.7 2B-2P#C.5 2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.SC-2BX-2P#C.7	Flutes	J.StT.SC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

ACME & STUB Trapezoidal Thread ASME / ANSI B1.8 thread 29° & parallel

精度 Class of Fit 2BX / 2B / 3B 2BX / 2B / 3B 2BX / 2B / 3B

鍍層 Coating TiCN / NO TiCN / NO NO

工具材質 Tool Material Solid Carbide Solid Carbide Welded Carbide

引導長 Chamfer length CL=2P, 5P CL=2P,5P CL= 2P,5P

內冷孔 cooling center Center / NO Center / NO NO

工具記號 tool rekord 2BX-2P#C.7 2B-2P#C.5 2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.WC-2BX-2P#A.7	Flutes	J.StT.WC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

TW Trapezoidal Thread DIN / BS / JIS thread 29° & parallel

精度 Class of Fit 2BX / 2B / 3B 2BX / 2B / 3B 2BX / 2B / 3B

鍍層 Coating TiCN / NO TiCN / NO NO

工具材質 Tool Material Solid Carbide Solid Carbide Welded Carbide

引導長 Chamfer length CL=2P, 5P CL=2P,5P CL= 2P,5P

內冷孔 cooling center Center / NO Center / NO NO

工具記號 tool rekord 2BX-2P#C.7 2B-2P#C.5 2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.WC-2BX-2P#A.7	Flutes	J.StT.WC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

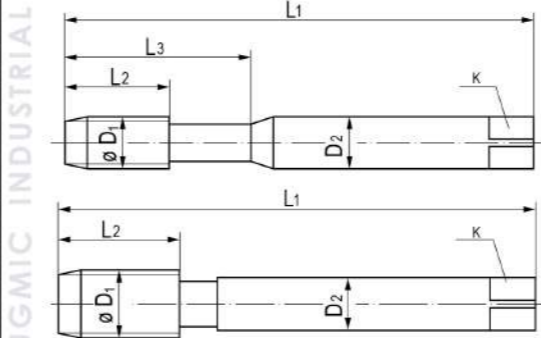
應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	鋼鐵金屬	有色金属	有色金属
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400
SCM SUS316	SUS316	Inc624	S400	Zinc Hardness steel	A380		C6300
SNCM SUS630	SUS630		S600		6061-T6		C87800
SKD11					7075-T7		Bronze

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw


JIS Shank.RH Overall length acc. to JIS, 螺旋&直溝絲攻-高速鋼&鈹鋼
Spiral & Straight Taps- Hc,SC,WC

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



SpT.Hc
StT.SC
StT.WC

JIS shank (1/4")
JIS shank (5/16"-1, 1/2")



SpT.Hc J32高速鋼含鈹絲攻 HSS-Co(M35)
StT.SC J11全鈹鋼絲攻 Solid Carbide Taps
StT.WC J21焊鈹鋼絲攻 Welded Carbide Taps

精度	Class of Fit	2G/ 3G	2G/ 3G	2G/ 3G
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P	CL=2P,5P	CL= 2P,5P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	2BX-2P#C.7	2B-2P#C.5	2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.WC-2BX-2P#A.7	Flutes	J.StT.WC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

ACME & STUB Trapezoidal Thread ASME / ANSI B1.8 thread 29° & parallel

精度 Class of Fit 2BX / 2B / 3B 2BX / 2B / 3B 2BX / 2B / 3B

鍍層 Coating TiCN / NO TiCN / NO NO

工具材質 Tool Material Solid Carbide Solid Carbide Welded Carbide

引導長 Chamfer length CL=2P, 5P CL=2P,5P CL= 2P,5P

內冷孔 cooling center Center / NO Center / NO NO

工具記號 tool rekord 2BX-2P#C.7 2B-2P#C.5 2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.WC-2BX-2P#A.7	Flutes	J.StT.WC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

TW Trapezoidal Thread DIN / BS / JIS thread 29° & parallel

精度 Class of Fit 2BX / 2B / 3B 2BX / 2B / 3B 2BX / 2B / 3B

鍍層 Coating TiCN / NO TiCN / NO NO

工具材質 Tool Material Solid Carbide Solid Carbide Welded Carbide

引導長 Chamfer length CL=2P, 5P CL=2P,5P CL= 2P,5P

內冷孔 cooling center Center / NO Center / NO NO

工具記號 tool rekord 2BX-2P#C.7 2B-2P#C.5 2BX-2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension

規格	牙距	總長	刃長	工作長	柄徑	方頭	Identification	工具參數 Rekord					
Nominal	Pitch	O.L	C.L	W.L.	O.D.	□		Dimens. ID	J.StT.WC-2BX-2P#A.7	Flutes	J.StT.WC-3BX-2P#C.5	Flutes	J.StT.WC-2BX-2P#A.7
Size D1	T.P.I.	L1	L2	L3	D2	K							

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	鋼鐵金屬	有色金属	有色金属
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C	Stainless SUS304	Nical: Inc718	FC S200	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400
SCM SUS316	SUS316	Inc624	S400	Zinc Hardness steel	A380		C6300
SNCM SUS630	SUS630		S600		6061-T6		C87800
SKD11					7075-T7		Bronze

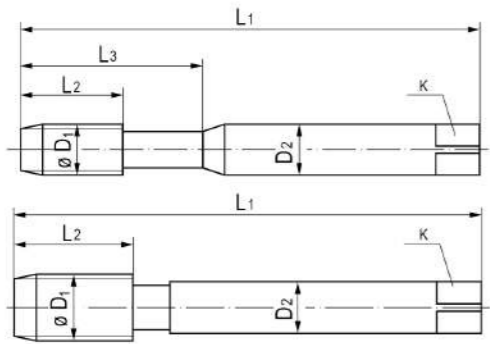
相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
VVE-
CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
VVE-
CTV
BC/BSC
NGT
NGO
PZ

JIS Shank.RH 螺旋絲攻-全鈷鋼&高速鋼
Overall length acc. to JIS, Spiral Taps-Solid Carbide& HSS

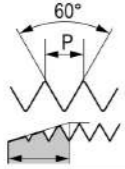
機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



StT.SC
SpT.SC
SpT.Hc
JIS shank (CTV,V5-6)
JIS shank (CTV,V8-12)



V / Vg
Cycle Tire Thread
ISO / CN / DIN
thread 60° & parallel

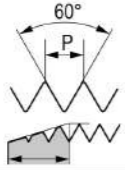


精度	Class of Fit	Plug Gauge	Plug Gauge	Plug Gauge
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Solid Carbide
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=1.5P
內冷孔	cooling center	Center / NO	Center / NO	Center / NO
工具記號	tool rekord	1.5P#C.7	1.5P#C.7	1.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension Identification 工具參數 Rekord

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-2P#C.7		J.SpT.SC-2BX-1.5P#C.7		J.SpT.HC-2BX-1.5P#C.5	
								Flutes	Flutes	Flutes	Flutes		
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
5V1	36	60	10P	3D1	5.5	4.5*7	J11.5V1	#O.7	3	*	customized	3	
5V2	24	60	10P	3D1	5.5	4.5*7	J11.5V2	#O.7	3	*	customized	3	
6V1	P0.8	60	10P	3D1	6	4.5*7	J11.6V1	#O.7	3	*	customized	3	
8V1	32	70	10P	3D1	6.2	5*8	J11.8V1	#C.7	4	*	customized	3	
8V2	24	70	10P	3D1	6.2	5*8	J11.8V2	#C.7	4	*	customized	3	
10V1	P1.00	75	10P	3D1	7	5.5*8	J11.10V1	#C.7	4	*	customized	3	
10V2	28	75	10P	3D1	7	5.5*8	J11.10V2	#C.7	4	*	customized	3	
12V1	26	82	10P	3D1	8.5	6.5*9	J11.12V1	#C.7	4	*	customized	4	
5V1	36	60	10P	3D1	5.5	4.5*7	J12.5V1	*		#O.7	3	customized	3
5V2	24	60	10P	3D1	5.5	4.5*7	J12.5V2	*		#O.7	3	customized	3
6V1	P0.8	60	10P	3D1	6	4.5*7	J12.6V1	*		#O.7/#C.7	3	customized	3
8V1	32	70	10P	3D1	6.2	5*8	J12.8V1	*		#C.7	3	customized	3
8V2	24	70	10P	3D1	6.2	5*8	J12.8V2	*		#C.7	3	customized	3
10V1	P1.00	75	10P	3D1	7	5.5*8	J12.10V1	*		#C.7	3	customized	3
10V2	28	75	10P	3D1	7	5.5*8	J12.10V2	*		#C.7	3	customized	3
12V1	26	82	10P	3D1	8.5	6.5*9	J12.12V1	*		#C.7	4	customized	4

CTV
Cycle Tire Thread
JIS
thread 60° & parallel



精度	Class of Fit	2BX/ 2B / 3B	Plug Gauge	Plug Gauge
鍍層	Coating	TiCN / NO	TiCN / NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Solid Carbide
引導長	Chamfer length	CL=2.5P	CL=1.5P	CL=1.5P
內冷孔	cooling center	Center / NO	Center / NO	Center / NO
工具記號	tool rekord	2B-1.5P#C.7	1.5P#C.7	1.5P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension Identification 工具參數 Rekord

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-2P#C.7		J.SpT.SC-1.5P#C.7		J.SpT.HC-1.5P#C.5	
								Flutes	Flutes	Flutes	Flutes		
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
CTV5	24	60	10P	3D1	5.5	4.5*7	J11.5CTV24	#O.7	3	*	customized	3	
CTV5	36	60	10P	3D1	5.5	4.5*7	J11.5CTV36	#O.7	3	*	customized	3	
CTV8	32	70	10P	3D1	6.1	5*8	J11.8CTV32	#C.7	4	*	customized	3	
CTV5	24	60	10P	3D1	5.5	4.5*7	J12.5CTV24	*		#O.7	3	customized	3
CTV5	36	60	10P	3D1	5.5	4.5*7	J12.5CTV36	*		#O.7	3	customized	3
CTV8	32	70	10P	3D1	6.1	5*8	J12.8CTV32	*		#C.7	3	customized	3

http://www.ugmic.com.tw 有峻保留最終參數更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

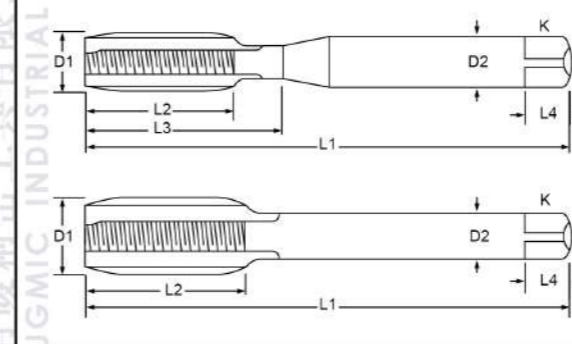
#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	有色金屬	有色金屬	鋼鐵金屬	
SL	SUS	NC	FCD	@A Others	AL	Titanium	BC	Non-ferrous metal	Non-ferrous metal	ferrous metal
鋼系	不銹鋼	鎳基	鑄鐵系	Others	鋁系	鈦系	銅系			
Steel : S45C	Stainless	Nical: Inc718	FC	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	AL, Ti-6-4	AL, Ti-6-4	SL, SUS, NC, HRC28~HRC35
SCM	SUS304	Inc624	S200	Zinc Hardness steel	A380		C6300	Brass, Bronze FC, FCD A Others	Brass, Bronze FC, FCD A Others	HRC36~HRC45
SNCM	SUS316		S400		6061-T6		C87800			
SKD11	SUS630		S600		7075-T7		Bronze			

相關螺紋規格&加大尺寸繁多可接受訂製 Relative thread specifications and oversize can be customized. http://www.ugmic.com.tw

JIS Shank.RH 直溝絲攻-全鈷鋼&焊鈷鋼
Overall length acc. to JIS, Straight Taps- SC & WC

直溝絲攻-全鈷鋼&焊鈷鋼
Straight Taps- SC & WC

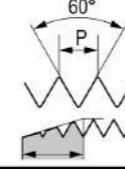
機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process



StT.SC
StT.WC
JIS shank (No.1.8~No.4)
JIS shank (5/16"-1,1/2")



BC
Bicycle Thread
CNS341-B2032
thread 60° & parallel



精度	Class of Fit	Plug Gauge	Plug Gauge	Plug Gauge
鍍層	Coating	TiCN / NO	TiCN / NO	NO
工具材質	Tool Material	Solid Carbide	Solid Carbide	Welded Carbide
引導長	Chamfer length	CL=2P, 5P	CL=2P,5P	CL= 2P,5P
內冷孔	cooling center	Center / NO	Center / NO	NO
工具記號	tool rekord	2P#C.7	2P#C.5	2P#C.7

日規柄-絲攻尺寸 JIS Shank- Tap Dimension Identification 工具參數 Rekord

規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.StT.SC-2P#C.7		J.StT.SC-2P#C.5		J.StT.WC-2P#A.7	
								Flutes	Flutes	Flutes	Flutes		
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
BC#1.8	56	50	5	10	3	2.5*5	J11.#1.8BC56	#O.5	2	#O.7	2	*	
BC# 2	56	50	5	10	3	2.5*5	J11.#2BC56	#O.5	3	#O.7	3	*	
BC# 2.3	56	50	5	10	3	2.5*5	J11.#2.3BC56	#O.5	3	#O.7	3	*	
BC# 2.6	56	50	5	10	3	2.5*5	J11.#2.6BC56	#O.5	3	#O.7	3	*	
BC# 2.9	44	50	6	12	3	2.5*5	J11.#2.9BC44	#O.5/#A.5	3	#O.7/#A.7	3	*	
BC#3.2	40	50	8	16	4	3.2*6	J11.#3.2BC40	#O.5/#A.5	3	#O.7/#A.7	3	*	
BC# 3.5	40	50	8	16	4	3.2*6	J11.#3.5BC40	#O.5/#A.5	3	#O.7/#A.7	3	*	
BC# 4	32	50	12	18	5	4*7	J11.#4BC32	#O.5/#A.5	3	#O.7/#A.7	3	*	
BC 5/16	26	70	20	*	6.1	5*8	J11.5)16BC26	#O.5/#A.5	4	#O.7/#A.7	4	*	
BC 3/8	26	75	20	*	7	5.5*8	J11.3)8BC26	#O.5/#A.5	4	#O.7/#A.7	4	*	
BC 7/16	26	75	20	*	8	6*9	J11.7)16BC26	#C.5/#A.5	4	#C.7/#A.7	4	*	
BC 1/2	20	75	20	*	9	7*10	J11.1)2BC20	#C.5/#A.5	4	#C.7/#A.7	4	*	
BC 9/16	20	75	20	*	10.5	8*11	J11.9)16BC20	#C.5/#A.5	4	#C.7/#A.7	4	*	
BC 9/16	20	85	20	*	10.5	8*11	J21.9)16BC20	customized	4	customized	4	#C.7/#A.7	4
BC 5/8	20	100	20	*	12	9*12	J21.5)8BC20	customized	4	customized	4	#C.7/#A.7	4
BC 11/16	24	100	20	*	14	11*14	J21.11)16BC24	*		*	#C.7/#A.7	4	
BC 1	24	110	23	*	20	15*18	J21.1BC24	*		*	#C.7/#A.7	4	
BC 1.29	24	120	23	*	25	19*22	J21.1.29BC24	*		*	#C.7/#A.7	4	
BC 1.37	24	120	30	*	26	21*24	J21.1.37BC24	*		*	#C.7/#A.7	6	
BC 1.7/16	24	120	30	*	28	21*24	J21.1-7)16BC24	*		*	#C.7/#A.7	6	
BC 1.45	24	120	30	*	28	21.24	J21.1.45BC24	*		*	#C.7/#A.7	6	
BC 1.9/16	24	120	30	*	32	26*30	J21.1-9)16BC24	*		*	#C.7/#A.7	6	

http://www.ugmic.com.tw 有峻保留最終參數更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	有色金屬	鋼鐵金屬	高硬度	
SL	SUS	NC	FCD	@A Others	AL	Titanium	BC	Non-ferrous metal	ferrous metal	high hardness
鋼系	不銹鋼	鎳基	鑄鐵系	Others	鋁系	鈦系	銅系			
Steel : S45C	Stainless	Nical: Inc718	FC	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	AL, Ti-6-4	AL, Ti-6-4	SL, SUS, NC, HRC28~HRC35
SCM	SUS304	Inc624	S200	Zinc Hardness steel	A380		C6300	Brass, Bronze FC, FCD A Others	Brass, Bronze FC, FCD A Others	HRC36~HRC45
SNCM	SUS316		S400		6061-T6		C87800			
SKD11	SUS630		S600		7075-T7		Bronze			

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

JIS Shank.RH Overall length acc. to JIS, 螺旋絲攻-高速鋼 & 鎢鋼 Spiral Taps-Hc & SC & WC

SpT.Hc
SpT.SC
SpT.WC
JIS shank (No.1.8~No.4)
JIS shank (5/16"-1, 1/2")

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

SpT.SC J12全鎢鋼絲攻 Solid Carbide Taps
SpT.WC J22焊鎢鋼絲攻 Welded Carbide Taps
SpT.Hc J32高速鋼含鈦絲攻 HSS-Co(M35)

BC Bicycle Thread CNS341-B2032 thread 60° & parallel

精度	Class of Fit	Plug Gauge	Plug Gauge	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=1.5P	CL=1.5P	CL=2P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	1.5P#C.7	1.5P#C.7	2B-2P#C.5

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.SpT.SC-1.5P#A.7	Flutes	J.SpT.WC-1.5P#A.7	Flutes	J.SpT.Hc-2BX-2P#C.5	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
BC#1.8	56	50	10P	10	3	2.5*5	J12.#1.8BC56	#O.7	2	*	*	*	*
BC# 2	56	50	10P	10	3	2.5*5	J12.#2BC56	#O.7	3	*	*	*	*
BC# 2.3	56	50	10P	10	3	2.5*5	J12.#2.3BC56	#O.7	3	*	*	*	*
BC# 2.6	56	50	10P	10	3	2.5*5	J12.#2.6BC56	#O.7	3	*	*	*	*
BC# 2.9	44	50	10P	12	3	2.5*5	J12.#2.9BC44	#O.7#A.7	3	*	*	*	*
BC#3.2	40	50	10P	16	4	3.2*6	J12.#3.2BC40	#O.7#A.7	3	*	*	*	*
BC# 3.5	40	50	10P	16	4	3.2*6	J12.#3.5BC40	#O.7#A.7	3	*	*	*	*
BC# 4	32	50	10P	18	5	4*7	J12.#4BC32	#O.7#A.7	3	*	*	*	*
BC 5/16	26	70	10P	*	6.1	5*8	J12.5)16BC26	#O.7#A.7	4	*	*	customized	4
BC 3/8	26	75	10P	*	7	5.5*8	J12.3)8BC26	#C.7#A.7	4	*	*	customized	4
BC 7/16	26	75	10P	*	8	6*9	J12.7)16BC26	#C.7#A.7	4	*	*	customized	4
BC 1/2	20	75	10P	*	9	7*10	J12.1)2BC20	#C.7#A.7	4	*	*	customized	4
BC 9/16	20	75	10P	*	10.5	8*11	J12.9)16BC20	#C.7#A.7	4	*	*	customized	4
BC 5/8	20	100	10P	*	12	9*12	J22.5)8BC20	customized	4	#C.7#A.7	4	customized	4
BC 11/16	24	100	10P	*	14	11*14	J22.11)16BC24	*	4	#C.7#A.7	4	customized	4
BC 1	24	110	10P	*	20	15*18	J22.1BC24	*	4	#C.7#A.7	4	customized	4
BC 1.29	24	120	10P	*	25	19*22	J22.1.29BC24	*	6	#C.7#A.7	6	customized	6
BC 1.37	24	120	10P	*	26	21*24	J22.1.37BC24	*	6	#C.7#A.7	6	customized	6
BC 1.7/16	24	120	10P	*	28	21*24	J22.1-7)16BC24	*	6	#C.7#A.7	6	customized	6
BC 1.45	24	120	10P	*	28	21.24	J22.1.45BC24	*	6	#C.7#A.7	6	customized	6
BC 1.9/16	24	120	10P	*	32	26*30	J22.1-9)16BC24	*	6	#C.7#A.7	6	*	*

http://www.ugmic.com.tw 有峻保留最終參數更改權利

工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	有色金屬		鋼鐵金屬	
SL	SUS	NC	FCD	@A Others	AL	Titanium	BC	Non-ferrous metal		ferrous metal
Steel : S45C	Stainless	Nical: Inc718	FC	Epoxy Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	AL, Ti-6-4	AL, Ti-6-4	SL, SUS, NC, HRC28-HRC35
SCM	SUS304	Inc624	S200	Zinc	A380		C6300	Brass, Bronze	Brass, Bronze	HRC36-HRC45
SNCM	SUS316		S400	Hardness steel	6061-T6		C87800	FC, FCD	FC, FCD	
SKD11	SUS630		S600		7075-T7		Bronze	A Others	A Others	

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



JIS Shank.RH Overall length acc. to JIS, 無屑絲攻. 全鎢鋼&高速鋼 Roll Form Taps . SC & HSS-Co

RFT.SC
RFT.Hc
JIS shank (No.1.8~No.4)
JIS shank (5/16"-1, 1/2")

機械絲攻-數控機械&剛性攻牙
CNC-Controlled Machines & Rigid tapping process

RFT.SC J14全鎢鋼絲攻 Solid Carbide Taps
RFT.Hc J34高速鋼含鈦絲攻 HSS-Co(M35)

BC Bicycle Thread CNS341-B2032 thread 60° & parallel

精度	Class of Fit	Plug Gauge	Plug Gauge	2BX / 2B / 3B
鍍層	Coating	TiCN / NO	NO	TiCN / NO
工具材質	Tool Material	Solid Carbide	Welded Carbide	HSS-Co(M35)
引導長	Chamfer length	CL=2P / 4P	CL=2P / 4P	CL=2P / 4P
內冷孔	cooling center	Center / NO	NO	NO
工具記號	tool rekord	RFT#R	RFT#R	RFT#R

日規柄-絲攻尺寸 JIS Shank- Tap Dimension							Identification		工具參數 Rekord				
規格	牙距	總長	刃長	工作長	柄徑	方頭	Dimens. ID	J.RFT.SC-2BX-2P-#R	Flutes	J.RFT.Hc-2BX-2P-#R	Flutes	J.RFT.Hc-2BX-2P-#R	Flutes
Nominal	Pitch	O.L	C.L	W.L.	O.D.								
Size D1	T.P.I.	L1	L2	L3	D2	K							
BC#1.8	56	50	10P	10	3	2.5*5	J14.#1.8BC56	#RH2-RH5	2	*	*	*	*
BC# 2	56	50	10P	10	3	2.5*5	J14.#2BC56	#RH2-RH5	2	*	*	*	*
BC# 2.3	56	50	10P	10	3	2.5*5	J14.#2.3BC56	#RH3-RH6	2	*	*	*	*
BC# 2.6	56	50	10P	10	3	2.5*5	J14.#2.6BC56	#RH3-RH6	4	*	*	*	*
BC# 2.9	44	50	10P	12	3	2.5*5	J14.#2.9BC44	#RH4-RH7	4	*	*	*	*
BC#3.2	40	50	10P	16	4	3.2*6	J14.#3.2BC40	#RH4-RH7	4	*	*	*	*
BC# 3.5	40	50	10P	16	4	3.2*6	J14.#3.5BC40	#RH5-RH8	4	*	*	*	*
BC# 4	32	50	10P	18	5	4*7	J14.#4BC32	#RH5-RH8	4	*	*	*	*
BC 5/16	26	70	10P	*	6.1	5*8	J14.5)16BC26	#RH5-RH8	4	*	*	*	*
BC 3/8	26	75	10P	*	7	5.5*8	J14.3)8BC26	#RH5-RH8	4	*	*	*	*
BC 7/16	26	75	10P	*	8	6*9	J14.7)16BC26	#RH6-RH9	4	*	*	*	*
BC 1/2	20	75	10P	*	9	7*10	J14.1)2BC20	#RH6-RH9	6	*	*	customized	6
BC 9/16	20	75	10P	*	10.5	8*11	J14.9)16BC20	#RH6-RH9	6	*	*	customized	6
BC 5/8	20	100	10P	*	12	9*12	J14.5)8BC20	#RH7-RH10	6	*	*	customized	6
BC 11/16	24	100	10P	*	14	11*14	J34.11)16BC24	*	6	*	customized	6	
BC 1	24	110	10P	*	20	15*18	J34.1BC24	*	6	*	customized	6	
BC 1.29	24	120	10P	*	25	19*22	J34.1.29BC24	*	6	*	customized	6	
BC 1.37	24	120	10P	*	26	21*24	J34.1.37BC24	*	6	*	customized	6	
BC 1.7/16	24	120	10P	*	28	21*24	J34.1-7)16BC24	*	6	*	customized	6	
BC 1.45	24	120	10P	*	28	21.24	J34.1.45BC24	*	6	*	customized	6	
BC 1.9/16	24	120	10P	*	32	26*30	J34.1-9)16BC24	*	6	*	customized	6	

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5		#A.8 / #C.7		#C.7	#C.5	#C.7	延展性材料		延展性材料	
SL	SUS	NC	FCD	@A Others	AL	Titanium	BC	Ductile		Ductile Materials
Steel : S45C	Stainless	Nical: Inc718	FC	Epoxy & Carbon	Aluminum ADC12	Ti6Al4V Ti-6-4	Brass: C46400	SL, SUS, NC, @A,	SL, SUS, NC, @A,	SL, SUS, NC, @A, AL, BC, Titanium,
SCM	SUS304	Inc624	S200	Zinc	A380		C6300	AL, BC,	AL, BC,	
SNCM	SUS316		S400	Hardness steel	6061-T6		C87800	Titanium,	Titanium,	
SKD11	SUS630		S600		7075-T7		Bronze			

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSE
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UNC/
UNJC
UNF/
UNJF
UNEF/
UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
Re/PT
PTF
NPTF
NPT
NPSM
NPSE
HC-M
HC-UN
Tr
ACME
TW
ACME-
STUB
V/Vg-
CTV
BC/BSC
NGT
NGO
PZ

Side Fixed Shank.RH 直溝絲攻-全鎢鋼&焊鎢鋼
Overall length acc. to UGMIC stock, Straight Taps- SC & WC



M/MF Metric & Fine Thread ISO/ DIN/ JIS/ ANSI thread 60° & parallel	精度	Class of Fit	7H/ 6H/ 4H	7H/ 6H/ 4H
	鍍層	Coating	TiCN / NO	NO
	工具材質	Tool Material	Solid Carbide	Welded Carbide
	引導長	Chamfer length	CL=2P,5P	CL= 2P,5P
	內冷孔	cooling center	Center / NO	NO
工具記號	tool rekord	6H-2P#C.5	6H-2P#C.7	

側固柄-絲攻尺寸 Side Fixed Shank-Tap Dimension							Identification			工具參數 Rekord		
規格	牙距	總長	刃長	工作長	柄徑	鍵槽	Dimens. ID	S.StT.WC-6H-2P#C.5	Flutes	S.StT.WC-6H-2P#A.7	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	Key						
Size D	mm	L1	L2	L3	D2	K						
M14	(1.0~)2.0	85	18	40	7/8"	1/4"	S21.M140P200	#C.5/#A.7	4	#C.7/#A.7	4	
M16	(1.0~)2.0	85	18	40	7/8"	1/4"	S21.M160P200	#C.5/#A.7	4	#C.7/#A.7	4	
M18	(1.0~)2.5	85	18	40	7/8"	1/4"	S21.M180P250	#C.5/#A.7	4	#C.7/#A.7	4	
M20	(1.0~)2.5	85	18	40	7/8"	1/4"	S21.M200P250	#C.5/#A.7	4	#C.7/#A.7	4	
M22	(1.0~)2.5	85	22	40	7/8"	1/4"	S21.M220P250	#C.5/#A.7	4	#C.7/#A.7	4	
M24	(1.0~)2.5	85	22	40	7/8"	1/4"	S21.M240P250	#C.5/#A.7	4	#C.7/#A.7	4	
M26	(1.0~)2.5	85	22	40	7/8"	1/4"	S21.M260P250	#C.5/#A.7	4	#C.7/#A.7	4	
M27	(1.0~)2.5	85	22	*	7/8"	1/4"	S21.M270P250	#C.5/#A.7	4	#C.7/#A.7	4	
M28	(1.0~)2.5	85	22	*	7/8"	1/4"	S21.M280P250	#C.5/#A.7	4	#C.7/#A.7	4	
M30	(1.5~)2.5	85	22	*	7/8"	1/4"	S21.M300P250	#C.5/#A.7	4	#C.7/#A.7	4	
M32	(1.5~)2.5	85	22	*	7/8"	1/4"	S21.M320P250	#C.5/#A.7	4	#C.7/#A.7	4	
M33	(1.5~)2.5	85	22	*	7/8"	1/4"	S21.M330P250	#C.5/#A.7	4	#C.7/#A.7	4	
M34	(1.5~)2.5	85	22	*	7/8"	1/4"	S21.M340P250	#C.5/#A.7	6	#C.7/#A.7	6	
M35	(1.5~)2.5	95	22	*	7/8"	1/4"	S21.M350P250	#C.5/#A.7	6	#C.7/#A.7	6	
M36	(1.5~)3.0	95	30	*	7/8"	1/4"	S21.M360P300	#C.5/#A.7	6	#C.7/#A.7	6	
M38	(1.5~)3.0	95	30	*	7/8"	1/4"	S21.M380P300	#C.5/#A.7	6	#C.7/#A.7	6	
M40	(1.5~)3.0	95	30	*	7/8"	1/4"	S21.M400P300	#C.5/#A.7	6	#C.7/#A.7	6	
M42	(1.5~)3.0	95	30	*	1,1/4"	5/16"	S21.M420P300	#C.5/#A.7	6	#C.7/#A.7	6	
M50~180	(1.5~)3.0	customized dimension										

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬	高硬度
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系
Steel : S45C	SUS304	Nical: Inc718	FC FCD	Epoxy Carbon	Aluminum ADC12	Ti-6-4
SCM	SUS316	Inc624	S200	Zine Hardness steel	A380	BC 銅系
SNCM	SUS630		S400		6061-T6	Non-ferrous metal
SKD11			S600		7075-T7	high hardness Non-ferrous
						Hand Tap Titanium, SL
						SUS, NC, FCD, AL, @A, BC,

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



Side Fixed Shank.RH 直溝絲攻-焊鎢鋼
Overall length acc. to UGMIC stock, Straight Taps- Welded Carbide.



UNC/UNF/ UNEF/UN/UNS Unified Thread ISO/ DIN/ JIS/ ANSI thread 60° & parallel	精度	Class of Fit	2B/3B	2B/3B
	鍍層	Coating	NO	NO
	工具材質	Tool Material	Welded Carbide	Welded Carbide
	引導長	Chamfer length	CL= 2P,5P	CL= 2P,5P
	內冷孔	cooling center	NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-2P#C.7	

側固柄-絲攻尺寸 Side Fixed Shank-Tap Dimension							Identification			工具參數 Rekord		
規格	牙距	總長	刃長	工作長	柄徑	鍵槽	Dimens. ID	S.StT.WC-6H-2P#C.5	Flutes	S.StT.WC-6H-2P#A.7	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	Key						
Size D	T.P.I.	L1	L2	L3	D2	K						
9/16	(32~)12	85	18	40	7/8"	1/4"	S21.9)16U12	#C.5/#A.7	4	#C.7/#A.7	4	
5/8	(32~)11	85	18	40	7/8"	1/4"	S21.5)8U11	#C.5/#A.7	4	#C.7/#A.7	4	
11/16	(32~)11	85	20	40	7/8"	1/4"	S21.11)16U11	#C.7/#A.7	4	#C.7/#A.7	4	
3/4	(32~)10	85	20	40	7/8"	1/4"	S21.3)4U10	#C.5/#A.7	4	#C.7/#A.7	4	
13/16	(32~)8	85	23	40	7/8"	1/4"	S21.13)16U8	#C.7/#A.7	4	#C.7/#A.7	4	
7/8	(32~)8	85	23	40	7/8"	1/4"	S21.7)8U8	#C.5/#A.7	4	#C.7/#A.7	4	
15/16	(32~)9	85	23	40	7/8"	1/4"	S21.15)16U9	#C.7/#A.7	4	#C.7/#A.7	4	
1	(32~)8	85	23	*	7/8"	1/4"	S21.1)U8	#C.5/#A.7	4	#C.7/#A.7	4	
1 1/16	(32~)8	85	23	*	7/8"	1/4"	S21.1-1)16U8	#C.5/#A.7	4	#C.7/#A.7	4	
1 1/8	(32~)8	85	23	*	7/8"	1/4"	S21.1-1)8U8	#C.5/#A.7	4	#C.7/#A.7	4	
1 1/4	(24~)8	85	23	*	7/8"	1/4"	S21.1-1)4U8	#C.5/#A.7	4	#C.7/#A.7	4	
1 3/8~4"	(24~)8	customized										

W/ BSW /BSF Whitworth Thread thread 55° & parallel BS / DIN /JIS/ CN	精度	Class of Fit	2B/3B	2B/3B
	鍍層	Coating	NO	NO
	工具材質	Tool Material	Welded Carbide	Welded Carbide
	內冷孔	cooling center	CL= 2P,5P	CL= 2P,5P
	引導長	Chamfer length	NO	NO
工具記號	tool rekord	6H-2P#C.7	6H-2P#C.7	

側固柄-絲攻尺寸 Side Fixed Shank-Tap Dimension							Identification			工具參數 Rekord		
規格	牙距	總長	刃長	工作長	柄徑	鍵槽	Dimens. ID	J.StT.WC-1.5P-#C.7	Flutes	J.StT.WC-2.5P-#C.5	Flutes	
Nominal	Pitch	O.L	C.L	W.L.	O.D.	Key						
Size D1	T.P.I.	L1	L2	L3	D2	K						
9/16	(28~)12	85	18	40	7/8"	1/4"	S21.9)16W12	#C.7/#A.7	4	#C.7/#A.7	4	
5/8	(28~)12	85	18	40	7/8"	1/4"	S21.5)8W12	#C.7/#A.7	4	#C.7/#A.7	4	
11/16	(28~)11	85	20	40	7/8"	1/4"	S21.11)16W11	#C.7/#A.7	4	#C.7/#A.7	4	
3/4	(28~)10	85	20	40	7/8"	1/4"	S21.3)4W10	#C.7/#A.7	4	#C.7/#A.7	4	
13/16	(28~)8	85	23	40	7/8"	1/4"	S21.13)16W8	#C.7/#A.7	4	#C.7/#A.7	4	
7/8	(28~)8	85	23	40	7/8"	1/4"	S21.7)8W8	#C.5/#A.7	4	#C.7/#A.7	4	
15/16	(28~)8	85	23	40	7/8"	1/4"	S21.15)16W8	#C.7/#A.7	4	#C.7/#A.7	4	
1	(28~)8	85	23	*	7/8"	1/4"	S21.1)W8	#C.7/#A.7	4	#C.7/#A.7	4	
1 1/16	(28~)8	85	23	*	7/8"	1/4"	S21.1-1)16W8	#C.5/#A.7	4	#C.7/#A.7	4	
1 1/8	(28~)8	85	23	*	7/8"	1/4"	S21.1-1)8W8	#C.7/#A.7	4	#C.7/#A.7	4	
1 1/4	(28~)8	85	23	*	7/8"	1/4"	S21.1-1)4W8	#C.5/#A.7	4	#C.7/#A.7	4	
1 3/8~4"	(28~)8	customized										

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工件螺紋深度與工件孔型態 Thread Depth and Hole type of workpiece

應用工件材質 Application-Material of workpiece

#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬	高硬度
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others	AL 鋁系	Titanium 鈦系
Steel : S45C	SUS304	Nical: Inc718	FC FCD	Epoxy Carbon	Aluminum ADC12	Ti-6-4
SCM	SUS316	Inc624	S200	Zine Hardness steel	A380	BC 銅系
SNCM	SUS630		S400		6061-T6	Non-ferrous metal
SKD11			S600		7075-T7	high hardness Non-ferrous
						Hand Tap Titanium, SL
						SUS, NC, FCD, AL, @A, BC,

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

- M/MF
- UNC
- UNF
- UNEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Rc/PT
- PTF
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- VVg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ

- M/MF
- UNC
- UNF
- UNEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- Rc/PT
- PTT
- NPTF
- NPT
- NPSM
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- VVg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ





- P.46 M/MJ
- P.47~48 UN/UNJ
- P.47~48 UNF/UNJF
- P.47~48 UNEF/UNJEF
- P.49 W/BSW
- P.49 WF/BSF
- P.49 G/PF
- P.49 Rp/PS
- P.49 BSPT/PT
- P.50 PTF
- P.50 NPTF
- P.50 NPT
- P.50 NPS
- P.50 NPSF
- P.46 HC-M
- P.47~48 HC-UN
- P.51 Tr
- P.51 ACME
- P.51 TW
- P.51 ACME-STUB
- P.51 V/Vg-CTV
- P.51 BC/BSC
- P.51 NGT
- P.51 NGO
- P.51 PZ



Milling Shank.RH Overall length acc. to UGMIC		機械線攻-數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process & Rigid shank			
Dimension		StM.SC.3P	StM.SC.Fu	SpM.SC.3P	SpM.SC.Fu
P.46	精度 Class of Fit	CNC program	CNC program	CNC program	CNC program
P.47~48	鍍層 Coating	TiCN / NO	TiCN / NO	TiCN / NO	TiCN / NO
P.47~48	工具材質 Tool Material	Solid Carbide	Solid Carbide	Solid Carbide	Solid Carbide
P.47~48	工作長 Working length	3D	2D	3D	2D
P.47~48	內冷孔 cooling center	Center / NO	Center / NO	Center / NO	Center / NO
P.47~48	工具記號 tool rekord	UG10107523 M1.5H-3P-Ti	UG10107523 M1.5H-Ti	UG10107523 M1.5H-3P-Ti	UG10107523 M1.5H-SP-Ti
P.49	Blind 不貫穿 / Through 貫穿	Blind Through	Blind Through	Blind Through	Blind Through
P.49	應用工件材質	工具參數 Rekord			
P.49	Application-Material of workpiece	StM.SC.H.3P.Ti	StM.SC.H.Ti	SpM.SC.H.3P.Ti	SpM.SC.H.Ti
P.50	鋼鐵系 S45C	★★★	★★★	★★★	★★★
P.50	Steel system SCM	★★★	★★★	★★★	★★★
P.50	Carbon Steel Model Steel	★★★	★★★	★★★	★★★
P.50	Tool SKD11	★★★	★★★	★★★	★★★
P.50	SUS 不銹鋼 SUS316	★★★	★★★	★★★	★★★
P.50	Stainless Steel SUS304	★★★	★★★	★★★	★★★
P.46	SUS630	★★★	★★★	★★★	★★★
P.47~48	HRC > 28	★★★	★★★	★★★	★★★
P.51	HRC > 35	★★★	★★★	★★★	★★★
P.51	HRC > 45	★★★	★★★	★★★	★★★
P.51	HRC > 55	★★★	★★★	★★★	★★★
P.51	HRC > 60	★★★	★★★	★★★	★★★
P.51	鎳基合金 Inconel 718	★★★	★★★	★★★	★★★
P.51	Nickel based alloy Inconel 625	★★★	★★★	★★★	★★★
P.51	鈦合金 Titanium Ti-6Al-4V	★★★	★★★	★★★	★★★
P.51	FCD球墨鑄鐵 FCD S40~S200	★★★	★★★	★★★	★★★
P.51	FC灰口鑄鐵 FC 20~200	★★★	★★★	★★★	★★★
P.51	其他材料 @A Others	★★★	★★★	★★★	★★★
P.51	carbon epoxy 碳纖維	★★★	★★★	★★★	★★★
P.51	glass epoxy 玻璃纖維	★★★	★★★	★★★	★★★
P.51	plastic 工程塑膠	★★★	★★★	★★★	★★★
P.51	AL鋁合金系 T6-6061	★★★	★★★	★★★	★★★
P.51	Aluminum alloy T7-7075	★★★	★★★	★★★	★★★
P.51	Extruding & Die Casted ADC12,ADC15	★★★	★★★	★★★	★★★
P.51	A380,A290	★★★	★★★	★★★	★★★
P.51	鋅合金 Zine alloy Zine Alloy	★★★	★★★	★★★	★★★
P.51	BC 銅系 黃銅 Brass	★★★	★★★	★★★	★★★
P.51	Brobze 青銅 Brobze	★★★	★★★	★★★	★★★
P.51	free Brass 無鉛黃銅 46400	★★★	★★★	★★★	★★★
P.51	Lead free Brobze 無鉛青銅 (Cu>60%)	★★★	★★★	★★★	★★★
P.51 鎳金銅 (Cu>80%)	★★★	★★★	★★★	★★★
P.51	Red Cooper 紅銅 (Cu>90%)	★★★	★★★	★★★	★★★
P.51	材料特性&應用 Material characteristic & Application	所有材質 All Material	所有材質 All Material	所有材質 All Material	所有材質 All Material
P.51	適用切屑特性 chips type	數控機械鋼性銑牙 CNC Rigid Milling	短屑 short	短屑 short	短屑 short

Milling Shank.RH Overall length acc. to UGMIC,		直溝&螺旋牙銑刀-全銜鋼 Straight & Spiral Thread Mill		數控銑牙-數控機械 & 剛性銑牙程序 CNC-Controlled Machines & thread millg process									
Dimension		StM.SC.3P	StM.SC.Fu	SpM.SC.3P	SpM.SC.Fu	SpM.SC.3P	SpM.SC.Fu						
StM.SC SpM.SC		Mill shank (4-16) L2=3P thread		Mill shank (4-20) Lc=full thread									
http://www.ugmic.com.tw 有峻保留最終參數更改權利		工件螺紋深度 與 工件孔型態		Suitable Thread Depth and Hole type of workpiece									
M/MJ		Metric & Aerospace Thread ISO / ANSI thread 60° & parallel		Identification									
牙銑刀尺寸 Thread Milling Dimension		Nominal Pitch		Identification									
規格 牙距 下孔徑 刃徑 柄徑 總長 刃長		Size D1 mm Dmin Dc D O.L. C.L		刀具型號 Ordering Code		工具參數 Rekord							
M1.4*0.3		0.3	1.1	1	4	50	4	UG01045004M0.3	stocks	2	*	*	*
M1.6*0.35		0.35	1.25	1.1	4	50	4	UG1.1045004M0.35	stocks	2	*	*	*
M2*0.4		0.4	1.6	1.5	4	50	5	UG1.5045005M0.4	stocks	2	*	*	*
M2.5*0.45		0.45	2.05	1.9	4	50	6	UG1.9045006M0.45	stocks	2	*	*	*
M3*0.5		0.5	2.5	2.3	4	50	7	UG2.3045007M0.5	stocks	3	stocks	3	*
M3.5*0.6		0.6	2.9	2.7	4	50	8	UG2.7045008M0.6	stocks	3	stocks	3	*
M4*0.7		0.7	3.3	3	4	50	10	UG03045010M0.7	stocks	3	stocks	3	customized 3
M4*0.5		0.5	3.5	3.3	4	50	10	UG3.3045010M0.5	customized	3	stocks	3	customized 3
M5*0.8		0.8	4.2	4	4	50	12	UG04045012M0.8	stocks	3	stocks	3	customized 3
M5*0.5		0.5	4.5	4	4	50	12	UG04045012M0.5	customized	3	stocks	3	customized 3
M6*1.0		1	5	4.6	6	60	12	UG4.6066012M1.0	stocks	3	stocks	3	customized 3
M6*0.75		0.75	5.25	5	6	60	12	UG05066012M0.75	customized	3	stocks	3	customized 3
M6*0.5		0.5	5.5	5	6	60	12	UG05066012M0.5	customized	3	stocks	3	customized 3
M8*1.25		1.25	6.75	6	6	60	16	UG06066016M1.25	stocks	3	stocks	3	customized 3
M8*1.0		1	7	6	6	60	16	UG06066016M1.0	customized	3	stocks	3	customized 3
M8*0.75		0.75	7.25	6	6	60	16	UG06066016M0.75	customized	3	stocks	3	customized 3
M8*0.5		0.5	7.5	6	6	60	16	UG06066016M0.5	customized	3	stocks	3	customized 3
M10*1.5		1.5	8.5	8	8	75	20	UG08087520M1.5	stocks	3	stocks	3	customized 3
M10*1.25		1.25	8.75	8	8	75	20	UG08087520M1.25	customized	3	stocks	3	customized 3
M10*1.0		1	9	8	8	75	20	UG08087520M1.0	customized	3	stocks	3	customized 3
M10*0.75		0.75	9.25	8	8	75	20	UG08087520M0.75	customized	3	stocks	3	customized 3
M12*1.75		1.75	10.25	10	10	75	23	UG10107523M1.75	stocks	4	stocks	4	customized 4
M12*1.5		1.5	10.5	10	10	75	23	UG10107523M1.5	customized	4	stocks	4	customized 4
M12*1.25		1.25	10.75	10	10	75	23	UG10107523M1.25	customized	4	stocks	4	customized 4
M12*1.0		1	11	10	10	75	23	UG10107523M1.0	customized	4	stocks	4	customized 4
M12*0.75		0.75	11.25	10	10	75	23	UG10107523M0.75	customized	4	stocks	4	customized 4
M14*2.0		2	12	10	10	75	23	UG10107523M2.0	stocks	4	stocks	4	customized 4
M14*1.5		1.5	12.5	10	10	75	23	UG10107523M1.5	customized	4	stocks	4	customized 4
M14*1.25		(1.0~)1.25	12.75	10	10	75	23	UG10107523M1.25	customized	4	stocks	4	customized 4
M16*2.0		2	14	12	12	75	25	UG12127525M2.0	stocks	4	stocks	4	*
M16*1.5		1.5	14.5	12	12	75	25	UG12127525M1.5	customized	4	stocks	4	*
M16*1.25		1.25	14.75	12	12	75	25	UG12127525M1.25	customized	4	stocks	4	*
M16*1.0		1	15	12	12	75	25	UG12127525M1.0	customized	4	stocks	4	*
M16*2.0		2	14	12	12	100	30	UG121210030M2.0	customized	4	stocks	4	*
M16*1.5		(1.0~)1.5	14.5	12	12	100	30	UG121210030M1.5	customized	4	stocks	4	*
M24*3.5		3.5	20.5	16	16	100	30	UG161610030M3.5	customized	4	stocks	4	*
M24*3.0		3	19	16	16	100	30	UG161610030M3.0	customized	4	stocks	4	*
M22*2.5		2.5	19.5	16	16	100	30	UG161610030M2.5	customized	4	stocks	4	*
M20*2.0		(1.0~)2	18	16	16	100	30	UG161610030M2.0	customized	4	stocks	4	*
相關螺紋規範&指定大徑中徑小徑&左刀繁多可接受訂製		Relative thread standard and specific thread diameter & LH can be customized.		http://www.ugmic.com.tw									



- M/MJ
- UN/UNJ
- UNF/UNJF
- UNEF/UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- BSPT/PT
- PTF
- NPTF
- NPT
- NPS
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg-CTV
- BC/BSC
- NGT
- NGO
- PZ



Milling Shank.RH Overall length acc. to UGMIC,		直溝&螺旋牙銑刀-全鈦鋼 Straight & Spiral Thread Mill		數控銑牙-數控機械&剛性銑牙程序 CNC-Controlled Machines & thread millg process	
		StM.SC SpM.SC Mill shank (4-16) L2=3P thread Mill shank (4-20) Lc=full thread			
http://www.ugmic.com.tw 有峻保留最終參數更改權利 工件螺紋深度與工件孔型態 Suitable Thread Depth and Hole type of workpiece					
精度 Class of Fit 鍍層 Coating 工具材質 Tool Material 引導長 Chamfer length 內冷孔 cooling center 工具記號 tool rekord		CNC program TiCN / NO Solid Carbide 3D Center / NO StM.Code-3P		CNC program TiCN / NO Solid Carbide 2D Center / NO StM.Code	
UN/UNJ Unified & Aerospace Thread ISO / ANSI thread 60° & parallel				CNC program TiCN / NO Solid Carbide 3D Center / NO SpM.Code-3P	
牙銑刀尺寸 Thread Milling Dimension 規格 牙距 下孔徑 刃徑 柄徑 總長 刃長 Nominal Pitch Drill Dc O.D. O.L. C.L. Size D1 T.P.I. Dmin Dc D L Lc		Identification 刀具型號 Ordering Code		工具參數 Rekord StM.SC-(Code)-3P-Ti Flutes StM.SC-(Code)-Ti Flutes SpM.SC-(Code)-3P Flutes	
#0-80UNF 80 1.21 1 4 50 5 UG01045005U80 #1-64UNC 64 1.46 1.3 4 50 5 UG1.3045005U64 #1-72UNF 72 1.5 1.3 4 50 5 UG1.3045005U72 #2-56UNC 56 1.73 1.6 4 50 6 UG1.6045006U56 #2-64UNF 64 1.79 1.6 4 50 6 UG1.6045006U64 #3-48UNC 48 1.99 1.8 4 50 8 UG1.8045008U48 #3-56UNF 56 2.06 1.8 4 50 8 UG1.8045008U56 #4-40UNC 40 2.21 2 4 50 8 UG02045008U40 #4-48UNF 48 2.32 2 4 50 8 UG02045008U48 #5-40UNC 40 2.54 2.3 4 50 8 UG2.3045008U40 #5-44UNF 44 2.6 2.4 4 50 8 UG2.4045008U44 #6-32UNC 32 2.71 2.4 4 50 8 UG2.4045008U32 #6-40UNF 40 2.87 2.6 4 50 8 UG2.6045008U40 #8-32UNC 32 3.37 3 4 50 10 UG03045010U32 #8-36UNF 36 3.46 3 4 50 10 UG03045010U36 #10-24UNC 24 3.77 3.5 4 50 12 UG3.5045012U24 #10-32UNF 32 4.03 3.7 4 50 12 UG3.7045012U32 #12-24UNC 24 4.43 4 4 50 12 UG04045012U24 #12-28UNF 28 4.58 4 4 50 12 UG04045012U28 #12-32UNEF 32 4.69 4 4 50 12 UG04045012U32 1/4-20UNC 20 5.08 4.6 6 60 12 UG4.6066012U20 1/4-28UNF 28 5.44 5 6 60 12 UG05066012U28 1/4-32UNEF 32 5.56 5 6 60 12 UG05066012U32 5/16-18UNC 18 6.53 6 6 60 16 UG06066016U18 5/16-20UN 20 6.67 6 6 60 16 UG06066016U20 5/16-24UNF 24 6.88 6 6 60 16 UG06066016U24 5/16-27UNS 27 7.03 6 6 60 16 UG06066016U27 5/16-28UN 28 7.03 6 6 60 16 UG06066016U28 5/16-32UNEF 32 7.14 6 6 60 16 UG06066016U32 3/8-16UNC 16 7.94 7 8 75 20 UG07087520U16 3/8-24UNF 24 8.47 8 8 75 20 UG08087520U24 3/8-32UNEF 32 8.73 8 8 75 20 UG08087520U32 3/8-28UN 28UN(~18UN) 8 8 75 20 UG08087520U28 7/16-14UNC 14 9.3 8 8 75 23 UG08087523U14 7/16-20UNF 20 9.84 8 8 75 23 UG08087523U20 7/16-28UNEF 28 10.21 8 8 75 23 UG08087523U28 7/16-32UN 32UN(~16UN) 8 8 75 23 UG08087523U32		StM.SC-(Code)-3P-Ti Flutes StM.SC-(Code)-Ti Flutes SpM.SC-(Code)-3P Flutes			

Milling Shank.RH Overall length acc. to UGMIC,		直溝&螺旋牙銑刀-全鈦鋼 Straight & Spiral Thread Mill		數控銑牙-數控機械&剛性銑牙程序 CNC-Controlled Machines & thread millg process	
		StM.SC SpM.SC Mill shank (4-16) L2=3P thread Mill shank (4-20) Lc=full thread			
http://www.ugmic.com.tw 有峻保留最終參數更改權利 工件螺紋深度與工件孔型態 Suitable Thread Depth and Hole type of workpiece					
精度 Class of Fit 鍍層 Coating 工具材質 Tool Material 引導長 Chamfer length 內冷孔 cooling center 工具記號 tool rekord		CNC program TiCN / NO Solid Carbide 3D Center / NO StM.Code-3P		CNC program TiCN / NO Solid Carbide 2D Center / NO StM.Code	
UN/UNJ Unified & Aerospace Thread ISO / ANSI thread 60° & parallel				CNC program TiCN / NO Solid Carbide 3D Center / NO SpM.Code-3P	
牙銑刀尺寸 Thread Milling Dimension 規格 牙距 下孔徑 刃徑 柄徑 總長 刃長 Nominal Pitch Drill Dc O.D. O.L. C.L. Size D1 T.P.I. Dmin Dc D L Lc		Identification 刀具型號 Ordering Code		工具參數 Rekord StM.SC-(Code)-3P-Ti Flutes StM.SC-(Code)-Ti Flutes SpM.SC-(Code)-3P Flutes	
1/2-13UNC 13 10.75 10 10 75 23 UG10107523U13 1/2-20UNF 20 11.43 10 10 75 23 UG10107523U20 1/2-28UNEF 28 11.79 10 10 75 23 UG10107523U28 1/2-32UN 32UN(~14UN) 10 10 75 23 UG10107523U32 9/16-12UNC 12 12.17 10 10 75 23 UG10107523U12 5/8-11UNC 11 13.57 12 12 75 25 UG12127525U11 5/8-18UNF 18 14.46 12 12 75 25 UG12127525U18 5/8-24UNEF 24 14.82 12 12 75 25 UG12127525U24 5/8-32UN 32UN(~12UN) 12 12 75 25 UG12127525U32 5/8-11UNC 11 13.57 12 12 100 30 UG121210030U11 5/8-18UNF 18 14.46 12 12 100 30 UG121210030U18 5/8-24UNEF 24 14.82 12 12 100 30 UG121210030U24 5/8-32UN 32UN(~12UN) 12 12 100 30 UG121210030U32 3/4-10UNC 10 16.51 14 14 100 30 UG141410030U10 7/8-9UNC 9 19.4 16 16 100 30 UG161610030U9 7/8-14UNF 14 20.41 16 16 100 30 UG161610030U14 7/8-20UNEF 20 20.95 16 16 100 30 UG161610030U20 7/8-28UN 28UN(~8UN) 16 16 100 30 UG161610030U28 >1" (U28~)U8 >18 16 16 100 30 UG161610030U8		StM.SC-(Code)-3P-Ti Flutes StM.SC-(Code)-Ti Flutes SpM.SC-(Code)-3P Flutes			

相關螺紋規範大徑中徑小徑刃繁多可接受訂製 Relative thread standard and specific thread diameter LH can be customized. <http://www.ugmic.com.tw>

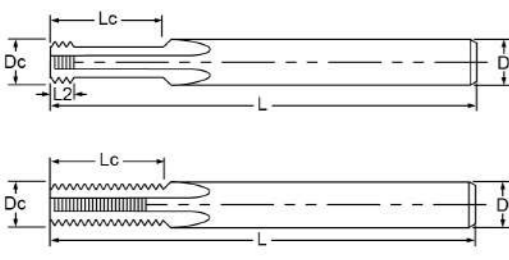


- M/MJ
- UN/UNJ
- UNF
- UNJF
- UNEF
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- BSPT/PT
- PTF
- NPTF
- NPT
- NPS
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg
- CTV
- BC/BSC
- NGT
- NGO
- PZ

- M/MJ
- UN/UNJ
- UNF
- UNJF
- UNEF
- UNJEF
- W/BSW
- WF/BSF
- G/PF
- Rp/PS
- BSPT/PT
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- NPTF
- NPT
- NPS
- NPSF
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg
- CTV
- BC/BSC
- NGT
- NGO
- PZ

Milling Shank.RH 直溝&螺旋牙銑刀-全銻鋼
Overall length acc. to UGMIC, Straight & Spiral Thread Mill

數控銑牙-數控機械&剛性銑牙程序
CNC-Controlled Machines & thread mill process



StM.SC
Mill shank (4~16)
L2=3P thread

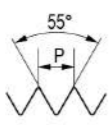
Mill shank (4~20)
Lc=full thread

StM.SC.Fu 16直溝牙銑刀 Straight Thread Mill
StM.SC.Fu 16直溝牙銑刀 Straight Thread Mill

http://www.ugmic.com.tw 有峻保留最終參數更改權利
工件螺紋深度與工件孔型態
Suitable Thread Depth and Hole type of workpiece

精度	Class of Fit	CNC program
鍍層	Coating	TiCN / NO
工具材質	Tool Material	Solid Carbide
引導長	Chamfer length	2D
內冷孔	cooling center	Center / NO
工具記號	tool rekord	StM.Code

G(PF)/ Rp(PS) Metric & Aerospace Thread ISO / ANSI
thread 55° & parallel



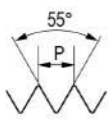
牙銑刀尺寸 Thread Milling Dimension

規格	牙距	下孔徑	刃徑	柄徑	總長	刃長
Nominal	Pitch	Drill	Dc	O.D.	O.L.	C.L
Size D1	T.P.I	Dmin	Dc	D	L	Lc
G(PF)1/16-28	28	6.82	6	6	60	16
G(PF)1/8-28	28	8.82	8	8	75	20
G(PF)1/4-19	19	11.82	10	10	75	23
G(PF)3/8-19	19	15.33	12	12	75	25
G(PF)1/2-14	14	19.14	12	12	75	25
G(PF)3/4-14	14	24.63	16	16	100	30
G(PF)1-11	11	30.94	12	12	75	25
G(PF)1-11	11	30.94	16	16	100	30
G(PF)1-11	11	30.94	20	20	100	30

Identification: 刀具型號 Ordering Code, StM.SC-(Code)-Ti, Flutes

工具參數 Rekord

PT(BSPT) Metric & Aerospace Thread ISO / ANSI
thread 55° & taper 1/16



牙銑刀尺寸 Thread Milling Dimension

規格	牙距	下孔徑	刃徑	柄徑	總長	刃長
Nominal	Pitch	Drill	Dc	O.D.	O.L.	C.L
Size D1	T.P.I	Dmin	Dc	D	L	Lc
PT1/16-28	28	6.82	6	6	60	16
PT1/8-28	28	8.82	8	8	75	20
PT1/4-19	19	11.82	10	10	75	23
PT3/8-19	19	15.33	12	12	75	25
PT1/2-14	14	19.14	12	12	75	25
PT3/4-14	14	24.63	16	16	100	30
PT1-11	11	30.94	12	12	75	25
PT1-11	11	30.94	16	16	100	30
PT1-11	11	30.94	20	20	100	30

Identification: 刀具型號 Ordering Code, StM.SC-(Code)-Ti, Flutes

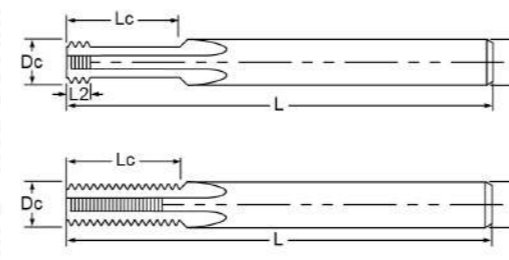
工具參數 Rekord

相關螺紋規範&指定大徑中徑小徑&左刃繁多可接受訂製 Relative thread standard and specific thread diameter & LH can be customized. http://www.ugmic.com.tw



Milling Shank.RH 直溝&螺旋牙銑刀-全銻鋼
Overall length acc. to UGMIC, Straight & Spiral Thread Mill

數控銑牙-數控機械&剛性銑牙程序
CNC-Controlled Machines & thread mill process



StM.SC
Mill shank (4~16)
L2=3P thread

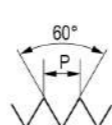
Mill shank (4~20)
Lc=full thread

StM.SC.Fu 16直溝牙銑刀 Straight Thread Mill
StM.SC.Fu 16直溝牙銑刀 Straight Thread Mill

http://www.ugmic.com.tw 有峻保留最終參數更改權利
工件螺紋深度與工件孔型態
Suitable Thread Depth and Hole type of workpiece

精度	Class of Fit	CNC program
鍍層	Coating	TiCN / NO
工具材質	Tool Material	Solid Carbide
引導長	Chamfer length	2D
內冷孔	cooling center	Center / NO
工具記號	tool rekord	StM.Code

NPSM/ NPSL /NPSI Metric & Aerospace Thread ISO / ANSI
thread 60° & parallel



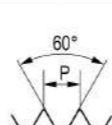
牙銑刀尺寸 Thread Milling Dimension

規格	牙距	下孔徑	刃徑	柄徑	總長	刃長
Nominal	Pitch	Drill	Dc	O.D.	O.L.	C.L
Size D1	T.P.I	Dmin	Dc	D	L	Lc
NPSM1/16-27	27	6.95	6	6	60	16
NPSM1/8-27	27	9.3	8	8	75	20
NPSM1/4-18	18	12.2	10	10	75	23
NPSM3/8-18	18	15.64	12	12	75	25
NPSM1/2-14	14	19.41	12	12	75	25
NPSM3/4-14	14	24.75	16	16	100	30
NPSM1-11.5	11.5	31.02	12	12	75	25
NPSM1-11.5	11.5	31.02	16	16	100	30
NPSM1-11.5	11.5	31.02	20	20	100	30

Identification: 刀具型號 Ordering Code, StM.SC-(Code)-Ti, Flutes

工具參數 Rekord

NPT/NPTF /PTF Metric & Aerospace Thread ISO / ANSI
thread 60° & Taper 1/16



牙銑刀尺寸 Thread Milling Dimension

規格	牙距	下孔徑	刃徑	柄徑	總長	刃長
Nominal	Pitch	Drill	Dc	O.D.	O.L.	C.L
Size D1	T.P.I	Dmin	Dc	D	L	Lc
NPT1/16-27	27	6.95	6	6	60	16
NPT1/8-27	27	9.3	8	8	75	20
NPT1/4-18	18	12.2	10	10	75	23
NPT3/8-18	18	15.64	12	12	75	25
NPT1/2-14	14	19.41	12	12	75	25
NPT3/4-14	14	24.75	16	16	100	30
NPT1-11.5	11.5	31.02	12	12	75	25
NPT1-11.5	11.5	31.02	16	16	100	30
NPT1-11.5	11.5	31.02	20	20	100	30

Identification: 刀具型號 Ordering Code, StM.SC-(Code)-Ti, Flutes

工具參數 Rekord

相關螺紋規範&指定大徑中徑小徑&左刃繁多可接受訂製 Relative thread standard and specific thread diameter & LH can be customized. http://www.ugmic.com.tw



M/MJ
UN/UNJ
UNF/UNJF
UNEF/UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
BSPT/PT
PTF
NPTF
NPT
NPS
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-STUB
V/Vg-CTV
BC/BSC
NGT
NGO
PZ

M/MJ
UN/UNJ
UNF/UNJF
UNEF/UNJEF
W/BSW
WF/BSF
G/PF
Rp/PS
BSPT/PT
PTF
NPTF
NPT
NPS
NPSF
HC-M
HC-UN
Tr
ACME
TW
ACME-STUB
V/Vg-CTV
BC/BSC
NGT
NGO
PZ

Milling Shank.RH
Overall length acc. to UGMIC,
直溝&螺旋牙銑刀-全鎢鋼
Straight & Spiral Thread Mill

數控銑牙-數控機械&剛性銑牙程序
CNC-Controlled Machines & thread mill process

StM.SC
Mill shank
(4-16)
L2=3P thread

Mill shank
(4-20)
Lc=full thread

16直溝牙銑刀 straight Thread Mill

StM.SC.Fu

http://www.ugmic.com.tw 有峻保留最終參數更改權利
工件螺紋深度與工件孔型態
Suitable Thread Depth and Hole type of workpiece

Tr
Trapezoidal Thread
ISO / ANSI
thread 30° & parallel

精度 Class of Fit CNC program
鍍層 Coating TiCN / NO
工具材質 Tool Material Solid Carbide
引導長 Chamfer length 2D
內冷孔 cooling center Center / NO
工具記號 tool rekord STM.Code

牙銑刀尺寸 Thread Milling Dimension							Identification		工具參數 Rekord		
規格	牙距	下孔徑	刃徑	柄徑	總長	刃長	刀具型號 Ordering Code	StM.SC- (Code)-Ti	Flutes		
Nominal Size D1	Pitch mm	Drill Dmin	Dc	O.D. D	O.L. L	C.L. Lc					
Tr10	1.5	8.5	8	8	75	20	UG08087520Tr1.5	customized	3		
Tr12	2.0	10	8	8	75	20	UG08087520Tr2.0	customized	3		
Tr14	2.0	12	10	10	75	23	UG10107523Tr2.0	customized	4		
Tr14	2.5	11.5	10	10	75	23	UG10107523Tr2.5	customized	4		
Tr16	2.5	13.5	12	12	75	25	UG12127525Tr2.5	customized	4		
Tr16	3.0	13	12	12	75	25	UG12127525Tr3.0	customized	4		
Tr20	3.0	17	16	16	100	30	UG161610030Tr3.0	customized	4		
Tr20	3.5	16.5	16	16	100	30	UG161610030Tr3.5	customized	4		

**ACME/
STUB/ TW**
Trapezoidal Thread
ASME/ ANSI
thread 29° & parallel

精度 Class of Fit CNC program
鍍層 Coating TiCN / NO
工具材質 Tool Material Solid Carbide
引導長 Chamfer length 2D
內冷孔 cooling center Center / NO
工具記號 tool rekord STM.Code

牙銑刀尺寸 Thread Milling Dimension							Identification		工具參數 Rekord		
規格	牙距	下孔徑	刃徑	柄徑	總長	刃長	刀具型號 Ordering Code	StM.SC- (Code)-Ti	Flutes		
Nominal Size D1	T.P.I	Dmin	Dc	D	L	Lc					
ACME1/2-	16		8	8	75	20	UG08087520ACME16	customized	3		
ACME1/2-	14		8	8	75	20	UG08087520ACME14	customized	3		
ACME1/2-	12		10	10	75	23	UG10107523ACME12	customized	4		
ACME9/16-	10		10	10	75	23	UG10107523ACME10	customized	4		
ACME9/16-	12		12	12	75	25	UG12127525ACME12	customized	4		
ACME5/8-	10		12	12	75	25	UG12127525ACME10	customized	4		
ACME5/8-	8		12	12	75	25	UG12127525ACME8	customized	4		
ACME7/8-	8		16	16	100	30	UG161610030ACME8	customized	4		
ACME7/8-	6		16	16	100	30	UG161610030ACME6	customized	4		

相關螺紋規範&指定大徑中徑小徑&左刀緊多可接受訂製 Relative thread standard and specific thread diameter & LH can be customized. http://www.ugmic.com.tw



Round Thread Dies.RH
Overall High acc. to UGMIC®
機械九軋(圓板牙)-數控機械 & 剛性攻牙 & 剛性刀把
CNC-Controlled Machines & Rigid tapping process & Rigid shank

Adjustable thread Dies with Shank.
Welded Carbide (Customized)
ADS.WC (Page.57~58)

ARD25硬質鎢鋼九軋 Welded Carbide Dies

ARD35高速鋼合軋九軋 HSS-Co(M35) Dies

精度	Class of Fit	Adjustable (0~-0.30)	Adjustable (0~-0.30)
鍍層	Coating	NO	TiCN / NO
工具材質	Tool Material	Welded Carbide	HSS-Co
引導長	Chamfer length	CL=1.5P, 2.5P	CL=1.5P, 2.5P
內冷孔	cooling center	NO	NO
工具記號	tool rekord	Adj.2P#C.7	Adj.2P#C.7

應用-工件材質	工具參數	Rekord
Application- Material of workpiece	StD.WC-Adj-1.5P-#C.7	StD.Hc-Adj-1.5P-#C.7

鋼鐵系 Steel system Carbon Steel Model Steel Tool steel	S45C SCM SNCM SKD11	Hand Tap★#CR Hand Tap★#CR Hand Tap★#CR Hand Tap★#CR	★★★★ Rigid Tapping ★★★★ Rigid Tapping ★★★★ Rigid Tapping ★★★★ Rigid Tapping
SUS 不銹鋼 Stainless Steel	SUS316 SUS304 SUS630	Hand Tap★#CR Hand Tap★#CR Hand Tap★#CR	★★★★ Rigid Tapping ★★★★ Rigid Tapping ★★★★ Rigid Tapping
硬化鋼 Hardness steel	HRC > 28 HRC > 35 HRC > 45 HRC > 55 HRC > 60	Hand Tap★#CR Hand Tap★★#C Hand Tap★★★★#A Hand Tap★★★★#A	★★★★ Rigid Tapping ★★ Rigid Tapping ★ Rigid Tapping *
鎳基合金 Nickel based	Inconel 718 Inconel 625	Hand Tap★★★★#C Hand Tap★★★★#C	★★ Rigid Tapping ★★ Rigid Tapping
鈦合金Titanium	Ti-6Al-4V	Rigid Tapping★★★★#C	Rigid Tapping★★
FCD球墨鑄鐵 FC灰口鑄鐵	FCD S40~S200 FC 20~200	Rigid Tapping★★★★#A Rigid Tapping★★★★#A	Rigid Tapping★ Rigid Tapping★
其他材料 @A Others	carbon epoxy碳纖 glass epoxy玻纖 plastic工程塑膠	Rigid Tapping★★★★#A Rigid Tapping★★★★#A Rigid Tapping★★★★#A	Rigid Tapping★ Rigid Tapping★ Rigid Tapping★
AL鋁合金系 Aluminum alloy Extruding & Die Casted	T6-6061 T7-7075 ADC12,ADC15 A380,A290	Rigid Tapping★★★★#C Rigid Tapping★★★★#C Rigid Tapping★★★★#C Rigid Tapping★★★★#C	Rigid Tapping★★ Rigid Tapping★★ Rigid Tapping★★ Rigid Tapping★★
鋅合金 Zine	Zine Alloy	Rigid Tapping★★★★#A	Rigid Tapping★★
BC 銅系 Brass Brobze Lead free Brass Lead free Brobze Red Cooper	黃銅(58%<Cu<62%) 鉛青銅(56%<Cu<65%) 無鉛無銻黃銅46400 無鉛青銅(Cu>60%) 鉍金銅(Cu>80%) 紅銅(Cu>90%)	Rigid Tapping★★★★#C Rigid Tapping★★★★#A Rigid Tapping★★★★#A Rigid Tapping★★★★#A Rigid Tapping★★★★#C Rigid Tapping★★★★#CH	Rigid Tapping★★ Rigid Tapping★★ Rigid Tapping★★ Rigid Tapping★★ Rigid Tapping★ Rigid Tapping★

材料特性&應用 Material characteristic & Application	有色金屬 & 高硬度 Non-ferrous metal ferrous metal	鋼鐵金屬 & 有色金屬 ferrous metal Non-ferrous metal
適用切屑特性 chips type	手動攻絲 Hand Tapping 機械鋼性攻絲 Rigid tapping	短屑 & 長屑先端 short & longer with pointed 短屑 & 長屑先端 short & longer with pointed

M/MJ	P.53
UNC	P.54
UNF	P.54
UNEF	P.54
UN(S)	P.54
W	P.54
WF/BSF	P.54
G/PF	P.55
Rp/PS	P.55
BSPT/PT	P.55
NPSM	P.55
NPS(L)I	P.55
BSPT/PT	P.56
PTF	P.56
NPTF	P.56
NPT	P.56
HC-M	
HC-UN	
Tr	
ACME	
TW	
ACME-STUB	
V/Vg-	
CTV	
BC/BSC	
NGT	
NGO	
PZ	



Adj. Round Dies.RH Dimension acc. to UGMIC ®		可調式丸駒(圓板牙) Adjustable Round Thread Dies		數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping & shank																																		
<p>可調式圓板牙(丸駒)-焊鈎鋼 & 高速鋼 Adjustable Round Dies (ARD)-Welded Carbide & HSS-Co</p>		<p>ARD25焊鈎鋼 Welded Carbide Dies</p>		<p>ARD35高速鋼(含鈦) HSS-Co(M35) Dies</p>																																		
<p>ARD.WC ARD.Hc Adjustable Round Thread Dies Welded Carbide & HSS-Co</p>		<p>ARD.WC (M3-M150)</p>		<p>ARD.Hc (M3-M30)</p>																																		
<p>M & MF Metric Thread ISO / ANSI thread 60° & parallel</p>		<p>精度 Class of Fit 60° 銜配</p>		<p>Adjustable (0~0.30)</p>																																		
<p>工具材 Tool Material Welded Carbide</p>		<p>NO</p>		<p>TiCN / NO</p>																																		
<p>引導長 Chamfer length CL=1.5P, 2.5P</p>		<p>NO</p>		<p>HSS-Co</p>																																		
<p>內冷孔 cooling center NO</p>		<p>NO</p>		<p>CL=1.5P, 2.5P</p>																																		
<p>工具記 tool rekord Adj.2P#C.7</p>		<p>NO</p>		<p>Adj.2P#C.7</p>																																		
<p>可調式丸駒(圓板牙)尺寸 Adjustable Round Dies (ARD) Dimension</p>		<p>工具參數 Rekord</p>		<p>工具參數 Rekord</p>																																		
<table border="1"> <thead> <tr> <th>規格</th> <th>牙距</th> <th>總高</th> <th>刃長</th> <th>外徑</th> <th>Dimension ID</th> <th>ID-1.5P-#C.7</th> <th>ID-1.5P-#C.7</th> </tr> <tr> <th>Nominal</th> <th>Pitch</th> <th>O.H</th> <th>C.L</th> <th>O.D.</th> <th></th> <th></th> <th></th> </tr> <tr> <th>Size D1</th> <th>T.P.I.</th> <th>L1</th> <th>L2</th> <th>D2</th> <th></th> <th></th> <th></th> </tr> </thead> </table>		規格	牙距	總高	刃長	外徑	Dimension ID	ID-1.5P-#C.7	ID-1.5P-#C.7	Nominal	Pitch	O.H	C.L	O.D.				Size D1	T.P.I.	L1	L2	D2																
規格	牙距	總高	刃長	外徑	Dimension ID	ID-1.5P-#C.7	ID-1.5P-#C.7																															
Nominal	Pitch	O.H	C.L	O.D.																																		
Size D1	T.P.I.	L1	L2	D2																																		
M3	0.5	10	7	25	ARD2.25.M030P050	#O & #CR	3																															
M3.5	0.6	10	7	25	ARD2.25.M035P060	#O & #CR	3																															
M4	(0.5~)0.7	10	7	25	ARD2.25.M040P070	#O & #CR	3																															
M5	(0.5~)0.8	10	7	25	ARD2.25.M050P080	#O & #CR	3																															
M6	(0.5~)1.0	10	7	25	ARD2.25.M060P100	#O & #CR	3																															
M8	(0.5~)1.25	10	7	25	ARD2.25.M080P125	#A & #CR	4																															
M10	(1.0~)1.5	10	7	25	ARD2.25.M100P150	#A & #CR	4																															
M12 @	(1.0~)1.75	14	12	38	ARD2.38.M120P175-S	#A & #CR	4																															
M12	(1.0~)1.75	20	14	50	ARD2.50.M120P175	#A & #CR	4																															
M14 @	(1.0~)2.0	14	12	38	ARD2.38.M140P200-S	#A & #CR	4																															
M14	(1.0~)2.0	20	14	50	ARD2.50.M140P200	#A & #CR	4																															
M16	(1.0~)2.0	20	14	50	ARD2.50.M160P200	#A & #CR	4																															
M18	(1.0~)2.5	20	14	50	ARD2.50.M180P250	#A & #CR	4																															
M20	(1.0~)2.5	20	14	50	ARD2.50.M200P250	#A & #CR	4																															
M22	(1.0~)2.5	20	14	50	ARD2.50.M220P250	#A & #CR	4																															
M24	(1.0~)3.0	20	14	50	ARD2.50.M240P300	#A & #CR	4																															
M27	(1.0~)3.0	20	14	50	ARD2.50.M270P300	#A & #CR	4																															
M30	(1.0~)3.5	20	14	60	ARD2.50.M300P350	#A & #CR	6																															
M30~160	(1.0~)3.5	customized				#A & #CR	*																															
M3	0.5	10	10P	20	ARD3.20.M030P050	*	#O & #CR	3																														
M3.5	0.6	10	10P	20	ARD3.20.M035P060	*	#O & #CR	3																														
M4	(0.5~)0.7	10	10P	20	ARD3.20.M040P070	*	#O & #CR	3																														
M5	(0.5~)0.8	10	10P	20	ARD3.20.M050P080	*	#O & #CR	3																														
M6	(0.5~)1.0	10	10P	20	ARD3.20.M060P100	*	#O & #CR	3																														
M8	(1.0~)1.25	10	10P	25	ARD3.25.M080P125	*	#A & #CR	4																														
M10	(1.0~)1.5	10	10P	25	ARD3.25.M100P150	*	#A & #CR	4																														
M12	(1.0~)1.75	14	10P	38	ARD3.38.M120P175	*	#A & #CR	4																														
M14	(1.0~)2.0	14	10P	38	ARD3.38.M140P200	*	#A & #CR	4																														
M16	(1.0~)2.0	14	10P	38	ARD3.38.M160P200	*	#A & #CR	4																														
M18	(1.0~)2.5	20	10P	50	ARD3.50.M180P250	*	#A & #CR	4																														
M20	(1.0~)2.5	20	10P	50	ARD3.50.M200P250	*	#A & #CR	4																														
M22	(1.0~)2.5	20	10P	50	ARD3.50.M220P250	*	#A & #CR	4																														
M24	(1.0~)3.0	20	10P	50	ARD3.50.M240P300	*	#A & #CR	4																														
M27	(1.0~)3.0	20	10P	50	ARD3.50.M270P300	*	#A & #CR	4																														
M28	(1.0~)3.0	20	10P	50	ARD3.50.M300P350	*	#A & #CR	4																														
M28~36	(1.0~)3.0	customized				#A & #CR	6																															
<p>http://www.ugmic.com.tw 有暖保留最終參數更改權利 UGMIC ®</p> <p>應用工件材質 Application-Material of workpiece</p> <table border="1"> <thead> <tr> <th>#C.45 / #C.5</th> <th>#A.8 / #C.7</th> <th>#C.7</th> <th>#C.5</th> <th>#C.7</th> <th>有色金屬&高硬度&手巡 Non-ferrous metal & High hardness metal</th> <th>鋼鐵金屬&高韌性金屬 ferrous metal & High toughness metal</th> </tr> <tr> <th>SL 鋼系</th> <th>SUS 不銹鋼</th> <th>NC 鎳基</th> <th>FCD 鑄鐵系</th> <th>@A Others 其他</th> <th>AL 鋁系</th> <th>Titanium 鈦系</th> <th>BC 銅系</th> </tr> </thead> <tbody> <tr> <td>Steel : S45C</td> <td>Stainless SUS304</td> <td>Nical: Inc718</td> <td>FC</td> <td>Epoxy & Carbon, Zine, HRC>55</td> <td>Aluminum ADC12 A380 6061-T6 7075-T7</td> <td>Ti6Al4V Ti-6-4</td> <td>Brass: C46400 C6300 C87800 Bronze</td> </tr> <tr> <td>SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping</td> <td>SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬&高硬度&手巡 Non-ferrous metal & High hardness metal	鋼鐵金屬&高韌性金屬 ferrous metal & High toughness metal	SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Steel : S45C	Stainless SUS304	Nical: Inc718	FC	Epoxy & Carbon, Zine, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping	SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping						
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬&高硬度&手巡 Non-ferrous metal & High hardness metal	鋼鐵金屬&高韌性金屬 ferrous metal & High toughness metal																																
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵系	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系																															
Steel : S45C	Stainless SUS304	Nical: Inc718	FC	Epoxy & Carbon, Zine, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze																															
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相關螺紋規格及加大尺寸及左牙螺絲可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

Adj. Round Dies.RH Dimension acc. to UGMIC ®		可調式丸駒(圓板牙) Adjustable Round Thread Dies		數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process &																																		
<p>可調式圓板牙(丸駒)-焊鈎鋼 & 高速鋼 Adjustable Round Dies (ARD)-Welded Carbide & HSS-Co</p>		<p>ARD25焊鈎鋼 Welded Carbide Dies</p>		<p>ARD35高速鋼(含鈦) HSS-Co(M35) Dies</p>																																		
<p>ARD.WC ARD.Hc Adjustable Round Thread Dies Welded Carbide & HSS-Co</p>		<p>ARD.WC(#6~6")</p>		<p>ARD.Hc(#6~1.5")</p>																																		
<p>(W),UNC,UNF, UNEF, UN(S) (Whitworth), Unified thread (55°) & 60°, parallel ISO / ANSI / BS / DIN</p>		<p>精度 Class of Fit 55° 銜配</p>		<p>Adjustable (0~0.30)</p>																																		
<p>工具材 Tool Material Welded Carbide</p>		<p>NO</p>		<p>TiCN / NO</p>																																		
<p>引導長 Chamfer length CL=1.5P, 2.5P</p>		<p>NO</p>		<p>HSS-Co</p>																																		
<p>內冷孔 cooling center NO</p>		<p>NO</p>		<p>CL=1.5P, 2.5P</p>																																		
<p>工具記號 tool rekord Adj.2P#C.7</p>		<p>NO</p>		<p>Adj.2P#C.7</p>																																		
<p>可調式丸駒(圓板牙)尺寸 Adjustable Round Dies (ARD) Dimension</p>		<p>工具參數 Rekord</p>		<p>工具參數 Rekord</p>																																		
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U#10	(36~)24	10	7	25	ARD2.25.#10U24	#O & #CR	3																															
U#12	(36~)24	10	7	25	ARD2.25.#12U24	#O & #CR	3																															
U1/4	(32~)20	10	7	25	ARD2.25.1/4U20	#O & #CR	3																															
U5/16	(32~)18	10	7	25	ARD2.25.5/16U18	#A & #CR	4																															
U3/8	(32~)16	10	7	25	ARD2.25.3/8U16	#A & #CR	4																															
U7/16	(28~)14	14	12	38	ARD2.38.7/16U14	#A & #CR	4																															
U1/2	(28~)13	20	14	38	ARD2.38.1/2U13	#A & #CR	4																															
U9/16	(24~)12	14	12	50	ARD2.50.9/16U12	#A & #CR	4																															
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U13/16	(20~)12	20	14	50	ARD2.50.13/16U12	#A & #CR	4																															
U7/8	(20~)9	20	14	50	ARD2.50.7/8U9	#A & #CR	4																															
U15/16	(20~)12	20	14	50	ARD2.50.15/16U12	#A & #CR	4																															
U1"	(20~)12	20	14	50	ARD2.50.1-U12	#A & #CR	4																															
U1,1/8	(20~)12	20	14	60	ARD2.50.1-1/8U12	#A & #CR	6																															
U1.25"-6"	(20~)12	customized				#A & #CR	*																															
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<p>http://www.ugmic.com.tw 有暖保留最終參數更改權利 UGMIC ®</p> <p>應用工件材質 Application-Material of workpiece</p> <table border="1"> <thead> <tr> <th>#C.45 / #C.5</th> <th>#A.8 / #C.7</th> <th>#C.7</th> <th>#C.5</th> <th>#C.7</th> <th>有色金屬&高硬度&手巡 Non-ferrous metal & High hardness metal</th> <th>鋼鐵金屬&高韌性金屬 ferrous metal & High toughness metal</th> </tr> <tr> <th>SL 鋼系</th> <th>SUS 不銹鋼</th> <th>NC 鎳基</th> <th>FCD 鑄鐵</th> <th>@A Others 其他</th> <th>AL 鋁系</th> <th>Titanium 鈦系</th> <th>BC 銅系</th> </tr> </thead> <tbody> <tr> <td>Steel : S45C</td> <td>Stainless SUS304</td> <td>Nical: Inc718</td> <td>FC</td> <td>Epoxy & Carbon, Zine, HRC>55</td> <td>Aluminum ADC12 A380 6061-T6 7075-T7</td> <td>Ti6Al4V Ti-6-4</td> <td>Brass: C46400 C6300 C87800 Bronze</td> </tr> <tr> <td>SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping</td> <td>SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7	有色金屬&高硬度&手巡 Non-ferrous metal & High hardness metal	鋼鐵金屬&高韌性金屬 ferrous metal & High toughness metal	SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵	@A Others 其他	AL 鋁系	Titanium 鈦系	BC 銅系	Steel : S45C	Stainless SUS304	Nical: Inc718	FC	Epoxy & Carbon, Zine, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze	SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping	SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping						
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相關螺紋規格及加大尺寸及左牙螺絲可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



- M/MF
- UNC
- UNF
- UNEF
- UN(S)
- W
- WF/BSF
- G/PT
- Rp/PS
- BSPP
- BSPT/PT
- PTF
- NPTF
- NPT
- NPSM
- NPS(L)(I)
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- VVg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ

Adj. Round Dies.RH Dimension acc. to UGMIC®		可調式丸駒(圓板牙) Adjustable Round Thread Dies		數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process &																																																																																																																														
ARD.WC ARD.Hc Adjustable Round Thread Dies Welded Carbide & HSS-Co (#6-1, 1/4")		ARD25 焊錫鋼 Welded Carbide Dies ARD35 高速鋼 HSS-Co (M35)		ARD.WC (1/16"-2")		ARD.Hc (1/16"-1")																																																																																																																												
G(PF), Rp(PS), BSPP ISO Pipe parallel thread thread (55°), parallel ISO / ANSI / BS / DIN (root dia. Arc)		精度 Class of Fit Adjustable (0~0.30) Adjustable (0~0.30) 鍍層 Coating NO TiCN / NO 工具材質 Tool Material Welded Carbide HSS-Co 引導長 Chamfer length CL=1.5P, 2.5P CL=1.5P, 2.5P 內冷孔 cooling center NO NO 工具記號 tool rekord Adj.2P#C.7 Adj.2P#C.7		可調式丸駒(圓板牙)尺寸 Adjustable Round Dies (ARD) Dimension 規格 牙距 總高 刃長 外徑 Nominal Pitch O.H C.L O.D. Size D1 T.P.I. L1 L2 D2		工具參數 Rekord Dimension ID ID-1.5P-#C.7 ID-1.5P-#C.7																																																																																																																												
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Steel : S45C SUS304 SUS316 SUS630 S45C SUS304 SUS316 SUS630 S45C SUS304 SUS316 SUS630		Nical: Inc718 FC Epoxy & Carbon, Zine, HRC>55 Aluminum ADC12 A380 6061-T6 7075-T7		Brass: C46400 C6300 C87800 Bronze		SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping		SL,SUS, NC, @A, AL, BC, Titanium, Hand Tapping																																																																																																																										

相關螺紋規格 & 加大尺寸 & 左牙螺絲多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

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Adj. Round Dies.RH Dimension acc. to UGMIC®		可調式丸駒(圓板牙) Adjustable Round Thread Dies		數控機械 & 剛性攻牙 & 剛性刀把 CNC-Controlled Machines & Rigid tapping process &																																																																																																																
ARD.WC ARD.Hc Adjustable Round Thread Dies Welded Carbide & HSS-Co (#6-1, 1/4")		ARD25 焊錫鋼 Welded Carbide Dies ARD35 高速鋼 HSS-Co (M35)		ARD.WC (1/16"-2")		ARD.Hc (1/16"-1")																																																																																																														
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NPT, NPTF, PTF Pipe Taper & Dry Seal thread 60°, Taper 1/16 ASME / ANSI NPT		精度 Class of Fit Adjustable (0~0.30) Adjustable (0~0.30) 鍍層 Coating NO TiCN / NO 工具材質 Tool Material Welded Carbide HSS-Co 引導長 Chamfer length CL=1.5P, 2.5P CL=1.5P, 2.5P 內冷孔 cooling center NO NO 工具記號 tool rekord Adj.2P#C.7 Adj.2P#C.7		可調式丸駒(圓板牙)尺寸 Adjustable Round Dies (ARD) Dimension 規格 牙距 總高 刃長 外徑 Nominal Pitch O.H C.L O.D. Size D1 T.P.I. L1 L2 D2		工具參數 Rekord Dimension ID ID-1.5P-#C.7 ID-1.5P-#C.7																																																																																																														
<table border="1"> <tr><th>Size D1</th><th>T.P.I.</th><th>L1</th><th>L2</th><th>D2</th></tr> <tr><td>1/16"</td><td>27</td><td>14</td><td>12</td><td>38</td></tr> <tr><td>1/8"</td><td>27</td><td>14</td><td>12</td><td>38</td></tr> <tr><td>1/4"</td><td>18</td><td>14</td><td>12</td><td>38</td></tr> <tr><td>3/8"</td><td>18</td><td>20</td><td>14</td><td>50</td></tr> <tr><td>1/2"</td><td>14</td><td>20</td><td>14</td><td>50</td></tr> <tr><td>3/4"</td><td>14</td><td>20</td><td>14</td><td>50</td></tr> <tr><td>1"</td><td>11.5</td><td>20</td><td>14</td><td>60</td></tr> <tr><td>1, 1/4"</td><td>11.5</td><td>22</td><td>14</td><td>63</td></tr> <tr><td>1, 1/2"</td><td>11.5</td><td>22</td><td>14</td><td>75</td></tr> <tr><td>2"</td><td>11.5</td><td>24</td><td>17</td><td>90</td></tr> </table>		Size D1	T.P.I.	L1	L2	D2	1/16"	27	14	12	38	1/8"	27	14	12	38	1/4"	18	14	12	38	3/8"	18	20	14	50	1/2"	14	20	14	50	3/4"	14	20	14	50	1"	11.5	20	14	60	1, 1/4"	11.5	22	14	63	1, 1/2"	11.5	22	14	75	2"	11.5	24	17	90	<table border="1"> <tr><th>Dimension ID</th><th>ID-1.5P-#C.7</th><th>ID-1.5P-#C.7</th></tr> <tr><td>ARD2.38.1)16NPT27</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.38.1)8NPT27</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.38.1)4NPT18</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.50.3)8NPT18</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.50.1)2NPT14</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.50.3)4NPT14</td><td>#A & #CR</td><td>4</td></tr> <tr><td>ARD2.60.1NPT11.5</td><td>#A & #CR</td><td>6</td></tr> <tr><td>ARD2.63.1-1)4NPT11.5</td><td>#A & #CR</td><td>6</td></tr> <tr><td>ARD2.75.1-1)2NPT11.5</td><td>#A & #CR</td><td>6</td></tr> <tr><td>ARD2.90.2NPT11.5</td><td>#A & #CR</td><td>7</td></tr> </table>		Dimension ID	ID-1.5P-#C.7	ID-1.5P-#C.7	ARD2.38.1)16NPT27	#A & #CR	4	ARD2.38.1)8NPT27	#A & #CR	4	ARD2.38.1)4NPT18	#A & #CR	4	ARD2.50.3)8NPT18	#A & #CR	4	ARD2.50.1)2NPT14	#A & #CR	4	ARD2.50.3)4NPT14	#A & #CR	4	ARD2.60.1NPT11.5	#A & #CR	6	ARD2.63.1-1)4NPT11.5	#A & #CR	6	ARD2.75.1-1)2NPT11.5	#A & #CR	6	ARD2.90.2NPT11.5	#A & #CR	7	<table border="1"> <tr><th>Dimension ID</th><th>ID-1.5P-#C.7</th><th>ID-1.5P-#C.7</th></tr> <tr><td>ARD3.38.1)8NPT27</td><td>*</td><td>customized</td></tr> <tr><td>ARD3.38.1)4NPT18</td><td>*</td><td>customized</td></tr> <tr><td>ARD3.50.3)8NPT18</td><td>*</td><td>customized</td></tr> <tr><td>ARD3.50.1)2NPT14</td><td>*</td><td>customized</td></tr> <tr><td>ARD3.50.3)4NPT14</td><td>*</td><td>customized</td></tr> </table>		Dimension ID	ID-1.5P-#C.7	ID-1.5P-#C.7	ARD3.38.1)8NPT27	*	customized	ARD3.38.1)4NPT18	*	customized	ARD3.50.3)8NPT18	*	customized	ARD3.50.1)2NPT14	*	customized	ARD3.50.3)4NPT14	*	customized					
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#C.45 / #C.5 SL 鋼系		#A.8 / #C.7 SUS 不銹鋼 NC 鎳基		#C.7 FCD 鑄鐵 @A Others		#C.5 AL 鋁系 Titanium 鈦系		#C.7 BC 銅系 有非金屬 & 高硬度 & 手巡 鋼鐵金屬 & 高韌性金屬																																																																																																												
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相關螺紋規格 & 加大尺寸 & 左牙螺絲多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

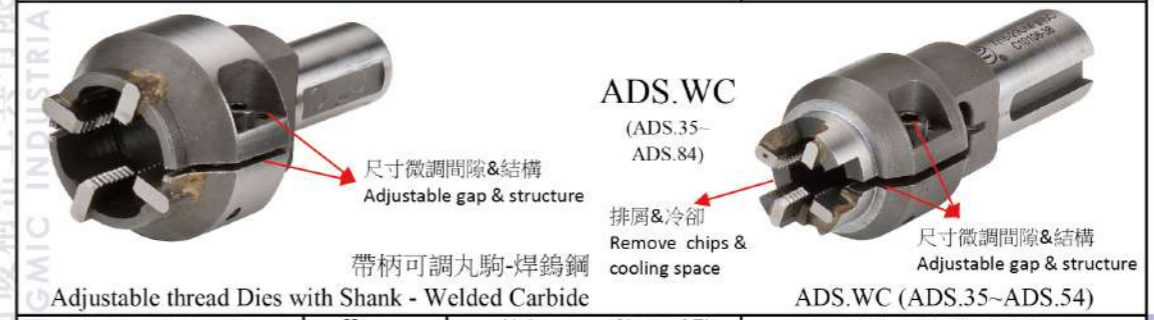
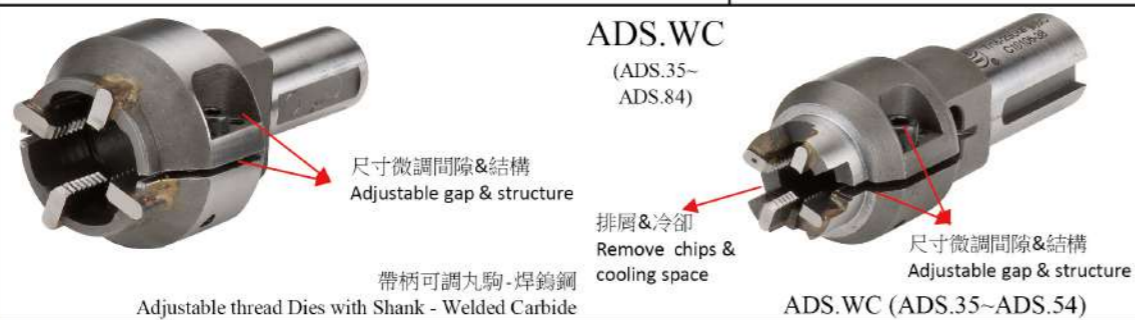


- M/MF
- UNC
- UNF
- UNEF
- UN(S)
- W
- WF/BSF
- G/PT
- Rp/PS
- BSPP
- BSPT/PT
- PTF
- NPTF
- NPT
- NPSM
- NPS(L)(I)
- HC-M
- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- VVg-
- CTV
- BC/BSC
- NGT
- NGO
- PZ



Round Dies.RH
Overall length acc. to UGMIC,
帶柄可調九駒(圓板牙). 焊鈎鋼
Adjustable thread Dies with
Shank. Welded Carbide (ADS.WC)
數控機械 & 剛性攻牙 & 剛性刀把
CNC-Controlled Machines & Rigid tapping &
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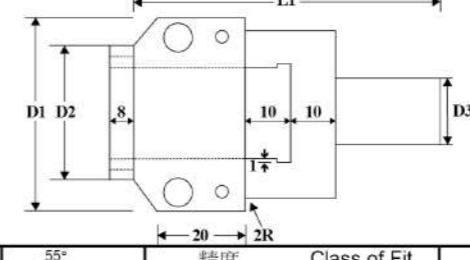
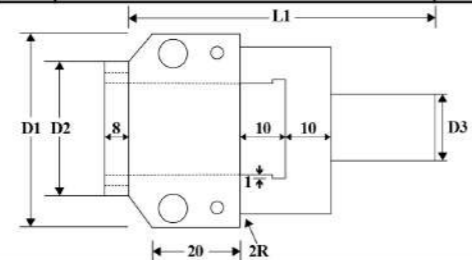
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- HC-UN
- Tr
- ACME
- TW
- ACME-STUB
- V/Vg
- CTV
- BC/BSC
- NGT
- NGO
- PZ

M & MF	Metric Thread ISO / ANSI thread 60° & parallel		精度 Class of Fit	Adjustable (0~0.30)
			鍍層 Coating	NO
			工具材質 Tool Material	Welded Carbide
			引導長 Chamfer length	CL=1.5P, 2.5P
			內冷孔 cooling center	NO
			工具記號 tool rekord	ADS#C.7

G,Rp,PF,PS, NPSM,NPSL,NPS	Pipe parallel Thread ISO/ BS/ ANSI thread 55° & 60° & parallel		精度 Class of Fit	Adjustable (0~0.30)
			鍍層 Coating	NO
			工具材質 Tool Material	Welded Carbide
			引導長 Chamfer length	CL=1.5P, 2.5P
			內冷孔 cooling center	NO
			工具記號 tool rekord	ADS#C.7

帶柄可調九駒(圓板牙)尺寸 ADS Thread Dies Dimension								工具參數 Rekord	
規格	牙距	總長	刃長	外徑	前端徑	柄徑	Dimension ID	ADS.ID-(Size*Pitch)-1.5P-#BC	
Nominal	Pitch	A.L.	C.L.	O.D.	F.D.	S.D.			
Size D	mm	L1	L2	D1	D2	D3			
M8-M12	0.5-1.5	78	7	35	25	12	ADS.35d12	#A & #BC & CR (customized)	4
M8-M12	(1.0-1.5)	98	7	35	25	7/8"	ADS.35	#A & #BC & CR (customized)	4
M12-M15	(1.0-2.0)	98	13	39	25	7/8"	ADS.39	#A & #BC & CR (customized)	4
M12-M17	(1.0-2.0)	98	13	44	30	7/8"	ADS.44	#A & #BC & CR (customized)	4
M15-M22	(1.0-2.0)	98	13	49	35	7/8"	ADS.49	#A & #BC & CR (customized)	4
M18-M27	(1.0-2.0)	98	13	54	40	7/8"	ADS.54	#A & #BC & CR (customized)	4
M28-M37	(1.0-2.0)	98	13	64	50	7/8"	ADS.64	#A & #BC & CR (customized)	6
M38-M47	(1.0-2.0)	98	13	74	60	1,1/4"	ADS.74	#A & #BC & CR (customized)	6
M48-M57	(1.0-2.0)	98	13	84	70	1,1/4"	ADS.84	#A & #BC & CR (customized)	6

帶柄可調九駒(圓板牙)尺寸 ADS Thread Dies Dimension								工具參數 Rekord	
規格	牙距	總長	刃長	外徑	前端徑	柄徑	Dimension ID	ADS.ID-(Size*Pitch)-1.5P-#BC	
Nominal	Pitch	A.L.	C.L.	O.D.	F.D.	S.D.			
Size D	T.P.I.	L1	L2	D1	D2	D3			
1/16"~1/8"	27, 28	78	8	35	25	12	ADS.35d12	#A & #BC & CR (customized)	4
1/16"~1/8"	27, 28	98	8	35	25	7/8"	ADS.35	#A & #BC & CR (customized)	4
1/4"~3/8"	18, 19	98	14	39	25	7/8"	ADS.39	#A & #BC & CR (customized)	4
1/4"~3/8"	18, 19	98	14	44	30	7/8"	ADS.44	#A & #BC & CR (customized)	4
1/2"	14	98	14	49	35	7/8"	ADS.49	#A & #BC & CR (customized)	4
1/2"~3/4"	14	98	14	54	40	7/8"	ADS.54	#A & #BC & CR (customized)	4
1"	11, 11.5	98	14	64	50	7/8"	ADS.64	#A & #BC & CR (customized)	6
1.25"~1.5"	11, 11.5	98	14	74	60	1,1/4"	ADS.74	#A & #BC & CR (customized)	6
1.5"~2"	11, 11.5	98	14	84	70	1,1/4"	ADS.84	#A & #BC & CR (customized)	6



(W),UNC,UNF, UNEF,UN,UNS	Metric Thread ISO / ANSI thread 55° & 60° & parallel		精度 Class of Fit	Adjustable (0~0.30)
			鍍層 Coating	NO
			工具材質 Tool Material	Welded Carbide
			引導長 Chamfer length	CL=1.5P, 2.5P
			內冷孔 cooling center	NO
			工具記號 tool rekord	ADS#C.7

R, PT, BSPT, NPT, NPTF, PTF	Pipe Taper Thread ISO/ BS/ ANSI thread 55° & 60° & Taper 1/16		精度 Class of Fit	Adjustable (0~0.30)
			鍍層 Coating	NO
			工具材質 Tool Material	Welded Carbide
			引導長 Chamfer length	CL=1.5P, 2.5P
			內冷孔 cooling center	NO
			工具記號 tool rekord	ADS#C.7

帶柄可調九駒(圓板牙)尺寸 ADS Thread Dies Dimension								工具參數 Rekord	
規格	牙距	總長	刃長	外徑	前端徑	柄徑	Dimension ID	ADS.ID-(Size*Pitch)-1.5P-#BC	
Nominal	Pitch	A.L.	C.L.	O.D.	F.D.	S.D.			
Size D	T.P.I.	L1	L2	D1	D2	D3			
5/16"~1/2"	32~12	78	7	35	25	12	ADS.35d12	#A & #BC & CR (customized)	4
5/16"~1/2"	32~12	98	7	35	25	7/8"	ADS.35	#A & #BC & CR (customized)	4
7/16"~5/8"	32~12	98	13	39	25	7/8"	ADS.39	#A & #BC & CR (customized)	4
1/2"~11/16"	32~12	98	13	44	30	7/8"	ADS.44	#A & #BC & CR (customized)	4
5/8"~7/8"	32~12	98	13	49	35	7/8"	ADS.49	#A & #BC & CR (customized)	4
3/4"~1,1/8"	32~12	98	13	54	40	7/8"	ADS.54	#A & #BC & CR (customized)	4
1,1/8"~1,1/2"	32~12	98	13	64	50	7/8"	ADS.64	#A & #BC & CR (customized)	6
1,1/8"~1,7/8"	32~12	98	13	74	60	1,1/4"	ADS.74	#A & #BC & CR (customized)	6
1,7/8"~2,1/4"	32~12	98	13	84	70	1,1/4"	ADS.84	#A & #BC & CR (customized)	6



帶柄可調九駒(圓板牙)尺寸 ADS Thread Dies Dimension								工具參數 Rekord	
規格	牙距	總長	刃長	外徑	前端徑	柄徑	Dimension ID	ADS.ID-(Size*Pitch)-1.5P-#BC	
Nominal	Pitch	A.L.	C.L.	O.D.	F.D.	S.D.			
Size D	T.P.I.	L1	L2	D1	D2	D3			
1/16"~1/8"	27, 28	78	8	35	25	12	ADS.35d12	#A & #BC & CR (customized)	4
1/16"~1/8"	27, 28	98	8	35	25	7/8"	ADS.35	#A & #BC & CR (customized)	4
1/4"~3/8"	18, 19	98	13	39	25	7/8"	ADS.39	#A & #BC & CR (customized)	4
1/4"~3/8"	18, 19	98	13	44	30	7/8"	ADS.44	#A & #BC & CR (customized)	4
1/2"	14	98	20	49	35	7/8"	ADS.49	#A & #BC & CR (customized)	4
1/2"~3/4"	14	98	20	54	40	7/8"	ADS.54	#A & #BC & CR (customized)	4
1"	11, 11.5	98	20	64	50	7/8"	ADS.64	#A & #BC & CR (customized)	6
1.25"~1.5"	11, 11.5	98	25	74	60	1,1/4"	ADS.74	#A & #BC & CR (customized)	6
1.5"~2"	11, 11.5	98	25	84	70	1,1/4"	ADS.84	#A & #BC & CR (customized)	6

應用工件材質 Application-Material of workpiece							有色金屬 & 短切屑 Non-ferrous metal & shorted chips
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7			
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc71 8 Inc62 4	FC FCD S200 S400 S600	Epoxy & Carbon, Zinc, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze
Die casted aluminum ADC12, A380, A290= #C Brass(Cu58~62)= #BC, Brass(Cu68~85)= #C, Bronze lead free= #A, Zinc alloy, Ductile Casted Iron FCD= #A							

應用工件材質 Application-Material of workpiece							有色金屬 & 短切屑 Non-ferrous metal & shorted chips
#C.45 / #C.5	#A.8 / #C.7	#C.7	#C.5	#C.7			
SL 鋼系	SUS 不銹鋼	NC 鎳基	FCD 鑄鐵	@A Others	AL 鋁系	Titanium 鈦系	BC 銅系
Steel : S45C SCM SNCM SKD11	Stainless SUS304 SUS316 SUS630	Nical: Inc71 8 Inc62 4	FC FCD S200 S400 S600	Epoxy & Carbon, Zinc, HRC>55	Aluminum ADC12 A380 6061-T6 7075-T7	Ti6Al4V Ti-6-4	Brass: C46400 C6300 C87800 Bronze
Die casted aluminum ADC12, A380, A290= #C Brass(Cu58~62)= #BC, Brass(Cu68~85)= #C, Bronze lead free= #A, Zinc alloy, Ductile Casted Iron FCD= #A							



相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

Acc. to UGMIC & user's chaser shank					牙攻用&丸駒用-牙板片,全鎢鋼 Taps Chaser & Dies Chaser.Solid Carbide					螺桿攻絲專機 & 數控轉盤攻牙專機 Screw Tapping & CNC-Rotary Machines									
					TC.SC DC.SC (Pipe 1/2"~4" of workpiece)										Ch1全鎢鋼 Solid Carbide				
					TC.SC & DC.SC														
Thread Standard					angle					Taper					精度 Class of Fit				
Metric, Unified 60°					60°					0					鍍層 Coating				
G(PF), Rp(PS), W 55°					55°					0					工具材質 Tool Material				
NPT,					60°					1/16					引導長 Chamfer length				
PT,BSPT,Rc					55°					1/16					內冷孔 cooling center				
絲攻-牙板片尺寸 Tap Thread Chaser Dimension					工具參數 Rekord					工具參數 Rekord					工具參數 Rekord				
厚度		寬度		長度		螺紋標準		牙距		Dimension ID(code)		SC.(Code)-Tap size		Pcs/Set					
Thickness		Width		Length		Thread Standard		Pitch		ID (Code)		SC.(Code)-Tap size		Pcs/Set					
T		W		Lc		Standard		T.P.I.		ID (Code)		SC.(Code)-Tap size		Pcs/Set					
5		7		55		Metric(M), Unified(U), Whitworth(W), G(PF), Rp(PS), NPSM,		Metric (1.0, 1.25, 1.5, 2.0) (U20,U18, U16,U14, U12,U11.5, U10TPI) Whitworth (W11,W12, W14,W16, W18W19, W20 TPI)		TC-5*7*55U20(D25~40) TC-5*8*55W18(D25~40) TC-5.5*8*55W20(D25~40) TC-5.5*9*70NPT1"-11.5 TC-5.5*12*70NPT1,1/2"-11.5 TC-8*14.5*70NPT1,1/2"-11.5 TC-8*14.5*70NPT2"-11.5 TC-9.5*19*100NPT2,1/2"-8 TC-9.5*19*100NPT3"-8 TC-9.5*19*100NPT4"-8		SC.TC-5*7*55U20(D25~40) SC.TC-5*8*55W18(D25~40) SC.TC-5.5*8*55W20(D25~40) SC.TC-5.5*9*70NPT1"-11.5 SC.TC-5.5*12*70NPT1,1/2"-11.5 SC.TC-8*14.5*70NPT1,1/2"-11.5 SC.TC-8*14.5*70NPT2"-11.5 SC.TC-9.5*19*100NPT2,1/2"-8 SC.TC-9.5*19*100NPT3"-8 SC.TC-9.5*19*100NPT4"-8		4 4 4 4 4 4 4 6 6 6					
丸駒(圓板牙)-牙板片尺寸 Dies Chaser					工具參數 Rekord					工具參數 Rekord					工具參數 Rekord				
厚度		寬度		長度		螺紋標準		牙距		Dimension ID		DC.SC.(Code)-D		Pcs/Set					
Thickness		Width		Length		Thread Standard		Pitch		ID		DC.SC.(Code)-D		Pcs/Set					
T		W		Lc		Standard		T.P.I.		ID		DC.SC.(Code)-D		Pcs/Set					
5		7		55		Metric(M), Unified(U), Whitworth(W), G(PF), Rp(PS), NPSM,		G14, G11, PT14, PT11) (NPT14, NPT11.5) (NPT8 TPI) (NPSM14, NPSM11.5)		DC-5*7*55U20 DC-5.5*12.1*55U20 DC-5.5*12.0*70W20 DC-6*12.1*55U18 DC-6*12.1*70U20 DC-6.5*15.2*70W14(PF1/2~3/4) DC-6.5*15.2*70PT14(1/2~3/4) DC-8*15.2*70PT11(1"~2") DC-8*15.2*70NH3/4"-11,1/2 DC-8*15.2*70NPT11,1/2(1"~2")		SC.DC-5*7*55U20 SC.DC-5.5*12.1*55U20 SC.DC-5.5*12.0*70W20 SC.DC-6*12.1*55U18 SC.DC-6*12.1*70U20 SC.DC-6.5*15.2*70W14(PF1/2~3/4) SC.DC-6.5*15.2*70PT14(1/2~3/4) SC.DC-8*15.2*70PT11(1"~2") SC.DC-8*15.2*70NH3/4"-11,1/2 SC.DC-8*15.2*70NPT11,1/2(1"~2")		4 4 4 4 4 4 4 4 4					
http://www.ugmic.com.tw 有峻保留最終參數更改權利																			
應用工件材質 Application-Material of workpiece																			
#C					#C					#C									
@A Others					FCD					#CH #C									
Steel : S45C					Stainless SUS304					Nical: Inc718 Inc624					Epoxy & Carbon, Zine , HRC>55				
SCM					SUS316					SUS630					Casted Iron Ductile Casted Iron				
SNCM					SUS316					SUS630					Aluminum ADC12 A380 6061-T6 7075-T7				
SKD11					SUS630					SUS630					Titanium BC				
Non-ferrous metal & Casted Iron metal																			
@A plastic, AL valve, BC valve, FCD valve,																			
http://www.ugmic.com.tw 有峻保留最終參數更改權利																			
應用工件材質 Application-Material of workpiece																			
#C					#C					#C									
@A Others					FCD					#CH #C									
Steel : S45C					Stainless SUS304					Nical: Inc718 Inc624					Epoxy & Carbon, Zine , HRC>55				
SCM					SUS316					SUS630					Casted Iron Ductile Casted Iron				
SNCM					SUS316					SUS630					Aluminum ADC12 A380 6061-T6 7075-T7				
SKD11					SUS630					SUS630					Titanium BC				
Non-ferrous metal & Casted Iron metal																			
BC brass valve Bolt, FCD casted iron valve Bolt, AL aluminum alloy valve Bolt,																			

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw



Acc. to UGMIC & Adjustable chaser					丸駒用牙只,全鎢鋼(閥栓用) & 刀把 Dies Chaser.Solid Carbide (for valve Bolt) & Shank					螺桿攻絲專機 & 數控轉盤攻牙專機 Screw Tapping & CNC-Rotary Machines									
					UG45.DC.SC (Bolt O.D < 19mm)										DC1.AS全鎢鋼 Solid Carbide				
					O19.DC.SC (Bolt O.D < 19mm)														
UG45.DC.SC (UGMIC.45 shank d25)					O19.DC.Hc (HSS-Co)					O19.DC.SC (OSG19 shank)									
Thread Standard					angle					Taper					精度 Class of Fit				
Metric, Unified,NPS, 60°					60°					0					鍍層 Coating				
W, G(PF), Rp(PS), 55°					55°					0					工具材質 Tool Material				
ACME,STUB,TW					29°					0					引導長 Chamfer length				
Tr					30°					0					內冷孔 cooling center				
全鎢鋼-牙只尺寸 UG45 Dies Chaser Dimension					工具參數 Rekord					工具參數 Rekord					工具參數 Rekord				
厚度		長度		寬度		螺紋標準		牙距		Dimension ID (Code)		UG.DC.(Code).#A		Pcs/Set					
Thickness		Length		Width		Thread Standard		Pitch		ID (Code)		UG.DC.(Code).#A		Pcs/Set					
T		Lc		W		Standard		T.P.I.		ID (Code)		UG.DC.(Code).#A		Pcs/Set					
6		18.5		21.5		Metric(M), Unified(U), Whitworth(W), ACME, STUB, TW, Tr, (Good for Big screw angle)		TW12-2LH TW12-2LH TW12-2LH TW12-2LH TW10-2LH TW10-2LH TW10-2LH TW10-2LH TW8-2LH TW8-2LH TW8-2LH		UG45.DC-7.6TW12-2LH UG45.DC-7.8TW12-2LH UG45.DC-8.0TW12-2LH UG45.DC-8.7TW12-2LH UG45.DC-9.0TW10-2LH UG45.DC-9.5TW10-2LH UG45.DC-11.2TW10-2LH UG45.DC-11.5TW8-2LH UG52.DC-13.8TW8-2LH UG52.DC-15.7TW8-2LH		#A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass)		4 4 4 4 4 4 4 4 4 4 4					
全鎢鋼-牙只尺寸 O19 Dies Chaser Dimension					工具參數 Rekord					工具參數 Rekord					工具參數 Rekord				
厚度		長度		寬度		螺紋標準		牙距		Dimension ID (Code)		O19.DC.(Code).#A		Pcs/Set					
Thickness		Length		Width		Thread Standard		Pitch		ID (Code)		O19.DC.(Code).#A		Pcs/Set					
T		Lc		W		Standard		T.P.I.		ID (Code)		O19.DC.(Code).#A		Pcs/Set					
8		19		35		Metric(M), Unified(U), Whitworth(W), ACME, STUB, TW, Tr, (Good for Big screw angle)		TW12-2LH TW12-2LH TW12-2LH TW10-2LH TW10-2LH TW10-2LH TW10-2LH TW10-2LH TW8-2LH TW8-2LH TW8-2LH TW8-2LH SW12-2LH SW10-2LH SW8-2LH		O19.DC-7.6TW12-2LH O19.DC-7.8TW12-2LH O19.DC-8.0TW12-2LH O19.DC-8.7TW12-2LH O19.DC-9.0TW10-2LH O19.DC-9.5TW10-2LH O19.DC-11.2TW10-2LH O19.DC-11.5TW8-2LH O19.DC-13.8TW8-2LH O19.DC-15.7TW8-2LH O19.DC-17TW8-2LH O19.DC-7.7SW12-2LH O19.DC-8.2SW12-2LH O19.DC-9.0SW10-2LH O19.DC-13.8SW8-2LH		#A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass) #A (for lead free brass), #B(for brass)		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					
http://www.ugmic.com.tw 有峻保留最終參數更改權利																			
應用工件材質 Application-Material of workpiece																			
#C					#C					#C									
@A Others					FCD					#CH #C									
Steel : S45C					Stainless SUS304					Nical: Inc718 Inc624					Epoxy & Carbon, Zine , HRC>55				
SCM					SUS316					SUS630					Casted Iron Ductile Casted Iron				
SNCM					SUS316					SUS630					Aluminum ADC12 A380 6061-T6 7075-T7				
SKD11					SUS630					SUS630					Titanium BC				
Non-ferrous metal & Casted Iron metal																			
BC brass valve Bolt, FCD casted iron valve Bolt, AL aluminum alloy valve Bolt,																			

相關螺紋規格&加大尺寸&左牙繁多可接受訂製 Relative thread specifications and oversize & LH can be customized. http://www.ugmic.com.tw

