

有峻精密工具有限公司

UGMIC INDUSTRIAL LTD., CO.

Super long-lasting type [high-speed steel containing cobalt + spiral flutes taps] long life, high precision, only better & more cost-effective!!

Applicable workpiece materials: high toughness, high ductility, high hole shrinkage (rigid tapping & concentricity within 0.02mm)

1. Stainless Steel SUS304 , SUS316L , SUS630 (Very good effect)
2. Hardness Steel HRC28~HRC45 (Very good effect)
3. High temperature alloy: titanium alloy T64, Inconel 718 , Inconel 625
4. Ni-Cr-Mo steel, Tool steel, Carbon steel, iron, Aluminum, phosphor bronze, aluminum bronze (material with high toughness and ductility)

The above only lists the workpiece materials with obvious cost-effectiveness. More non-steel materials can also obtain high cost-effective results. Welcome to inquire!!

Solve the automation problems of CNC lathes, CNC milling machines and CNC special machines

1. It is easy to cause shrinkage holes after tapping, and the size is unstable (UGMIC spiral tapping can completely cut = reduce shrinkage holes problem).
2. Short service life, rapid shrinkage cavity problem, tooth gauge inspection = failure to pass through the gauge. (UGMIC can effectively reduce this problem)
3. When using an oversized tap, it is easy to stop the gauge from advancing and the gauge cannot be passed all the way through.
4. Requires heat treatment (UGMIC long super long-lasting spiral tapping completely cutting = reduce shrinkage cavity)
5. Surface treatment (Coating, Carburizing) is required, and the tap size can be controlled (customized products) to avoid secondary processing.
6. UGMIC products can meet CNC automated production, reduce the number of tool changes, and reduce overall costs.
7. UGMIC spiral spiral taps will be 7~15 times tool-life of general HSS taps

Satisfy inspection requirements & customized dimensions (rigid tapping & concentricity within 0.02mm) UGMIC accepts customized tap sizes, enlarged sizes, and sizes that meet actual process requirements, and OEM customization. °

Thread specifications that satisfy the needs of various industries (meet the requirements of pass-and-stop regulations and customized specification sizes)

General thread standards : M 、 UNC 、 UNF 、 UNEF 、 UN 、 UNS 、 W 、 BSW 、 BSF 、 ... °

Pipe thread standards : PT 、 PF 、 PS 、 PJ(日本) 、 Rc 、 Rp 、 NPT 、 NPTF 、 PTF 、 NPS 、 NH 、 ... °

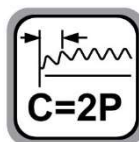
Tire valve thread standard: V 、 CTV ; Bicycle thread standard : BC 、 BSC ;

trapezoid thread standards: TW 、 ACME 、 STUB 、 Tr °

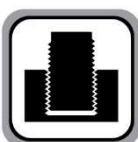
The thread specifications are not detailed above. If necessary, we can provide specification evaluation and customization.

SpT.HC.UNC.J		螺旋溝絲攻-高速鋼含鈷-統一螺紋 ISO 2B 標準-JIS 柄 Spiral Flutes Taps - HSS.Co(M35) -Unified Corse Threads ISO 2B - JIS Shank									
統一粗螺紋 UNC		形狀 Shape						工具參數 Tool Parameter			
公稱直徑 d1 mm	牙距 Pitch TPI	總長 L1 mm	刃長 L2 mm	工作長 L3 mm	柄徑 d2 mm	對邊 k mm	邊長 L4 mm	溝數 FN NO.	精度 Class	無效牙長 Chamfer Length	工具參數 Parameter Remarks
#8-32UNC	32	50	10P		5	4	7	4	2B	III=2P	A/B/C/O
#10-24UNC	24	60	10P		5.5	4.5	7	4	2B	III=2P	A/B/C/O
#12-24UNC	24	60	10P		6	4.5	7	4	2B	III=2P	A/B/C/O
1/4-20UNC	20	60	10P		6	4.5	7	4	2B	III=2P	A/B/C/O
5/16-18UNC	18	70	10P		6.1	5	8	4	2B	III=2P	A/B/C/CH
3/8-16UNC	16	75	10P	3D	7	5.5	8	4	2B	III=2P	A/B/C/CH
7/16-14UNC	14	80	10P	3D	8	6	9	4	2B	III=2P	A/B/C/CH
1/2-13UNC	13	85	10P	3D	9	7	10	4	2B	III=2P	A/B/C/CH
9/16-12UNC	12	90	10P	3D	10.5	8	11	4	2B	III=2P	A/B/C/CH
5/8-11UNC	11	95	10P	3D	12	9	12	4	2B	III=2P	A/B/C/CH
3/4-10UNC	10	105	10P	3D	14	11	14	4	2B	III=2P	A/B/C/CH
7/8-9UNC	9	115	10P	3D	17	13	16	4	2B	III=2P	A/B/C/CH
1-8UNC	8	125	10P	3D	20	15	18	4	2B	III=2P	A/B/C/CH
1,1/8~2"UNC		custom-made (https://www.ugmic.com.tw) (https://www.ugmic.com)									

UGMIC reserves the right to modify the final dimension 有峻保留修改外型尺寸之權利



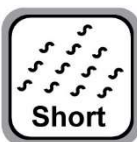
倒角2牙



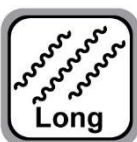
盲孔



通孔



短屑



長屑



右螺旋



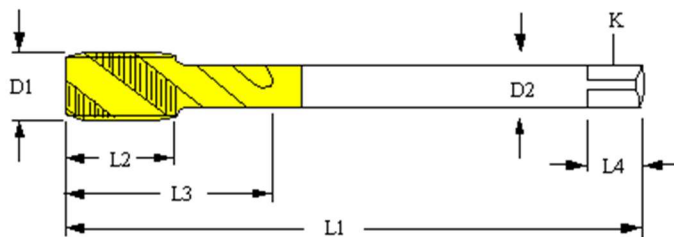
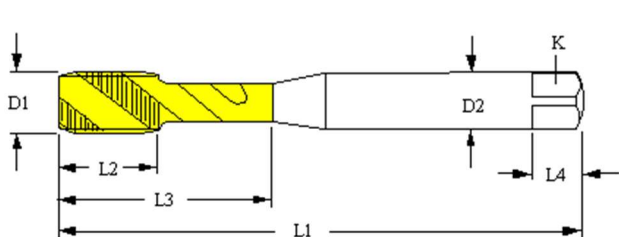
螺旋溝



鈷鋼



氮化鈦



SpT.HC.UNF.J		螺旋溝絲攻-高速鋼含鈷-統一細螺紋 ISO 2B 標準-JIS 柄 Spiral Flutes Taps -HSS.Co(M35)-Unified Fine Threads ISO 2B - JIS Shank									
統一細螺紋 UNF		形狀 Shape						工具參數 Tool Parameter			
公稱直徑 d1 mm	牙距 Pitch TPI	總長 L1 mm	刃長 L2 mm	工作長 L3 mm	柄徑 d2 mm	對邊 k mm	邊長 L4 mm	溝數 FN NO.	精度 Class	無效牙長 Chamfer Length	工具參數 Parameter Remarks
#8-36UNF	32	50	10P		5	4	7	4	2B	III=2P	A/B/C/O
#10-32UNF	24	60	10P		5.5	4.5	7	4	2B	III=2P	A/B/C/O
#12-28UNF	24	60	10P		6	4.5	7	4	2B	III=2P	A/B/C/O
1/4-28UNF	20	60	10P		6	4.5	7	4	2B	III=2P	A/B/C/O
5/16-24UNF	18	70	10P		6.1	5	8	4	2B	III=2P	A/B/C/CH
3/8-24UNF	24	75	10P	3D	7	5.5	8	4	2B	III=2P	A/B/C/CH
7/16-20UNF	20	80	10P	3D	8	6	9	4	2B	III=2P	A/B/C/CH
1/2-20UNF	20	85	10P	3D	9	7	10	4	2B	III=2P	A/B/C/CH
9/16-18UNF	18	90	10P	3D	10.5	8	11	4	2B	III=2P	A/B/C/CH
5/8-18UNF	18	95	10P	3D	12	9	12	4	2B	III=2P	A/B/C/CH
3/4-16UNF	16	105	10P	3D	14	11	14	4	2B	III=2P	A/B/C/CH
7/8-14UNF	14	115	10P	3D	17	13	16	4	2B	III=2P	A/B/C/CH
1-12UNF	12	125	10P	3D	20	15	18	4	2B	III=2P	A/B/C/CH
1,1/8~1,1/2 UNX		custom-made (https://www.ugmic.com.tw) (https://www.ugmic.com)									
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SpT.HC.UNEF.J		螺旋溝絲攻-高速鋼含鈷-統一極細螺紋 ISO 2B 標準-JIS 柄 Spiral Flutes Taps-HSS.Co(M35)-Unified Extra Fine Threads ISO 2B - JIS Shank									
統一極細螺紋 UNEF		形狀 Shape						工具參數 Tool Parameter			
公稱直徑 d1 mm	牙距 Pitch TPI	總長 L1 mm	刃長 L2 mm	工作長 L3 mm	柄徑 d2 mm	對邊 k mm	邊長 L4 mm	溝數 FN NO.	精度 Class	無效牙長 Chamfer Length	工具參數 Parameter Remarks
1/4-32UNEF	20	60	10P		6	4.5	7	4	2B	III=2P	A/B/C/O
5/16-32UNEF	18	70	10P		6.1	5	8	4	2B	III=2P	A/B/C/CH
3/8-32UNEF	24	75	10P		7	5.5	8	4	2B	III=2P	A/B/C/CH
7/16-28UNEF	20	80	10P		8	6	9	4	2B	III=2P	A/B/C/CH
1/2-28UNEF	20	85	10P		9	7	10	4	2B	III=2P	A/B/C/CH
9/16-24UNEF	24	90	10P	3D	10.5	8	11	4	2B	III=2P	A/B/C/CH
5/8-24UNEF	24	95	10P	3D	12	9	12	4	2B	III=2P	A/B/C/CH
3/4-24UNEF	24	105	10P	3D	14	11	14	4	2B	III=2P	A/B/C/CH
7/8-20UNEF	20	115	10P	3D	17	13	16	4	2B	III=2P	A/B/C/CH
1-20UNEF	20	125	10P	3D	20	15	18	4	2B	III=2P	A/B/C/CH
1,1/8~1,1/2 UNX		custom-made (https://www.ugmic.com.tw) (https://www.ugmic.com)									
選用: ☐ 鍍鈦(Ti) ☐ 跳牙(X) Option : ☐ Coated(Ti) ☐ Interrupted(X)											

Standard Tap Dimensions(JIS)

SpT.HC.M.J ISO.6HX		螺旋溝絲攻-高速鋼含鈷-公制粗螺紋 ISO 6HX 標準-JIS 柄 Spiral Flutes Taps - HSS.Co(M35) -Metric Corse Threads ISO 6HX - JIS Shank									
公制螺紋 Metric		形狀 Shape						工具參數 Tool Parameter			
公稱直徑 d1 mm	牙距 P mm	總長 L1 mm	刃長 L2 mm	工作長 L3 mm	柄徑 d2 mm	對邊 k mm	邊長 L4 mm	溝數 FN NO.	精度 Class	無效牙長 Chamfer Length	工具參數 Parameter Remarks
M4	0.7	50	10P		5	4	7	3	6HX	III=2P	A/B/C/O
M5	0.8	60	10P		5.5	4.5	7	3	6HX	III=2P	A/B/C/O
M6	1	60	10P		6	4.5	7	3	6HX	III=2P	A/B/C/O
M8	1.25	70	10P		6.2	5	8	3	6HX	III=2P	A/B/C/CH
M10	1.5	75	10P		7	5.5	8	3	6HX	III=2P	A/B/C/CH
M12	1.75	82	10P		8.5	6.5	9	3	6HX	III=2P	A/B/C/CH
M14	2	90	10P		10.5	8	11	4	6HX	III=2P	A/B/C/CH
M16	2	95	10P		12.5	10	13	4	6HX	III=2P	A/B/C/CH
M18	2.5	100	10P		14	11	14	4	6HX	III=2P	A/B/C/CH
M20	2.5	110	10P		15	12	15	4	6HX	III=2P	A/B/C/CH
M22	2.5	115	10P		17	13	16	4	6HX	III=2P	A/B/C/CH
M24	3	120	10P		19	15	18	4	6HX	III=2P	A/B/C/CH
SpT.HC.MF.J ISO.6HX		螺旋溝絲攻-高速鋼含鈷-公制螺紋 ISO 6HX 標準-JIS 柄 Spiral Flutes Taps- HSS.Co(M35) -Metric Fine Threads ISO 6HX - JIS Shank									
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公制螺紋 Metric		形狀 Shape						工具參數 Tool Parameter			
公稱直徑 d1 mm	牙距 P mm	總長 L1 mm	刃長 L2 mm	工作長 L3 mm	柄徑 d2 mm	對邊 k mm	邊長 L4 mm	溝數 FN NO.	精度 Class	無效牙長 Chamfer Length	工具參數 Parameter Remarks
M6	0.75	60	10P		6	4.5	7	3	6HX	III=2P	A/B/C/O
M8	1	70	10P		6.2	5	8	3	6HX	III=2P	A/B/C/CH
M10	1.0~1.25	75	10P		7	5.5	8	3	6HX	III=2P	A/B/C/CH
M12	1.0~1.25	82	10P	3D	8.5	6.5	9	3	6HX	III=2P	A/B/C/CH
M14	1.0~1.5	90	10P	3D	10.5	8	11	4	6HX	III=2P	A/B/C/CH
M16	1.0~1.5	95	10P	3D	12.5	10	13	4	6HX	III=2P	A/B/C/CH
M18	1.0~2.0	100	10P	3D	14	11	14	4	6HX	III=2P	A/B/C/CH
M20	1.0~2.0	110	10P	3D	15	12	15	4	6HX	III=2P	A/B/C/CH
M22	1.0~2.0	115	10P	3D	17	13	16	4	6HX	III=2P	A/B/C/CH
M24	1.0~2.5	120	10P	3D	19	15	18	4	6HX	III=2P	A/B/C/CH
M24~M60	custom-made (https://www.ugmic.com.tw) (https://www.ugmic.com)										
選用: ☐ 鍍鈦(Ti) ☐ 跳牙(X)						Option : ☐ Coated(Ti) ☐ Interrupted(X)					