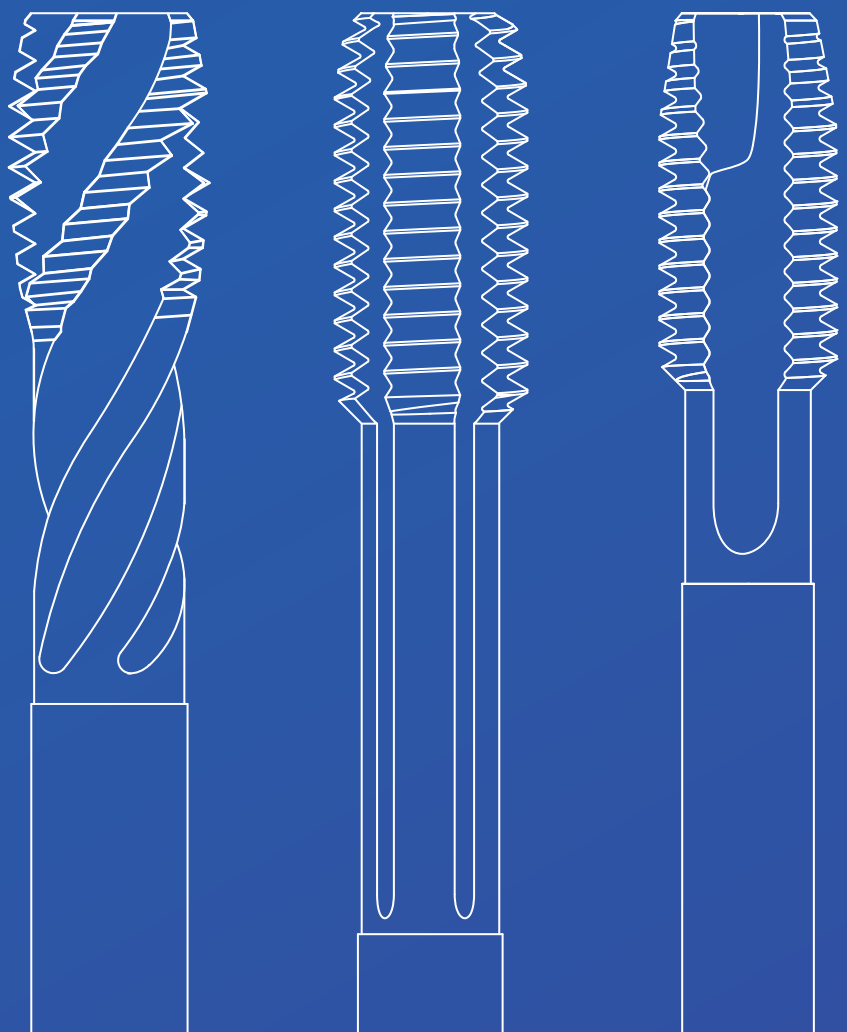
圆兴精工

DIN-TAPS

DIN系列丝锥



2026

公司简介
About Us

圆兴(厦门)精密工具有限公司，成立于2007年，总部位于厦门，是经国家科技局认证的“高新技术企业”，深耕螺纹加工领域，并开创自主丝锥品牌“XYC"，在国内外获得广泛赞誉。2026年正式纳入厦门金鹭战略版图，依托国企平台、原料供应链、研发技术及品牌资源，实现强强联合、产业升级。

作为业内知名的专业丝锥制造商，圆兴精工始终保持锐意进取的势头，丝锥领域专利布局35+，建立IS09001认证制造工厂，引进国际生产设备并自主研发涂层生产线，实现生产环节高度自动化、智能化。凭借务实创新的企业基因，集研发、生产、销售、服务于一体，为全球用户提供优质的丝锥产品并广泛应用于航空航天、汽车及零部件、医疗健康、3C/5G通讯、风电能源等行业。

XIAMEN YUANXING PRECISION TOOL CO.,LTD founded in 2007 and headquartered in Xiamen, is a national "High-tech Enterprise" certified by the Ministry of Science and Technology. Specializing in thread machining, the company has developed its own tap brand "XYC", which has earned widespread accreditation both domestically and internationally. In 2026, it was officially incorporated into the strategic portfolio of Xiamen Golden Egret Special Alloy Co., Ltd. (GESAC). Drawing on state-owned platform resources including raw-material supply chains, R&D capabilities and brand assets, it delivers powerful synergy and industrial upgrading.

As a famous specialized tap manufacturer in the industry, Yuanxing Precision Tools consistently pursues innovation and excellence. With over 35 patents in tap-related technologies, the company operates an ISO 9001-certified manufacturing facility equipped with international production machinery and a self-developed coating line, achieving a highly automated and intelligent production process. Driven by a pragmatic and innovative culture, Yuanxing integrates R&D, manufacturing, sales, and service to provide high-quality tap products and comprehensive solutions for global customers. These products are widely used in industries such as aerospace, automotive and components, medical, 3C/5G telecommunications, wind power energy, and more.



企业文化 XYC culture

使命：创新智造，赋能工业未来。
Mission: Innovative Manufacturing, Empowering the Future of Industry.

愿景：智慧经营、绿色发展，建设幸福企业实现美好生活。
Vision: Intelligent Management, Green Development, Building a Happy Enterprise andAchieving a Better Life.

价值观：修己、利他、求实、创新
Values: Self-improvement, Benefiting Others, Practicality, Innovation.

品牌介绍 Brand introduction

XYC® 圆兴精工

XYC即:CHINA YUAN XING(中国圆兴)，从右到左依次取首字母构成，代表全体圆兴人共同打造民族高端丝锥品牌的决心。



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X10 STRAIGHT FLUTED TAPS

标记说明
Marking instructions

	图标Sign	含义Note
丝锥材料 Tap material	CPM	粉末高速钢 Powder metallurgy high speed steel
	CPS	含钴高速钢 Cobalt-containing high speed steel
牙型 Tooth type	M	公制粗牙 ISO Metric coarse thread
	UNC	美制粗牙 Unified coarse thread
	MF	公制细牙 ISO Metric fine thread
	UNF	美制细牙 Unified fine thread
螺纹公差等级 Thread tolerance class	ISO 6HX	公差等级 ISO 6HX
	ISO 5H	公差等级 ISO 5H
	ISO 6H	公差等级 ISO 6H
	ISO 2B	公差等级 ISO 2B
孔类型 Hole type		盲孔 Blind hole
		通孔 Through hole
尺寸标准 Size standard	DIN DIN 371 DIN 376 DIN 374	DIN尺寸标准
冷却方式 Cooling method		直冷 Coolant directed axially
		侧冷 Coolant directed sideways
涂层类型 Coating		TICN-AL
		TIN
		X
螺纹方向 Thread direction		左牙 Left thread

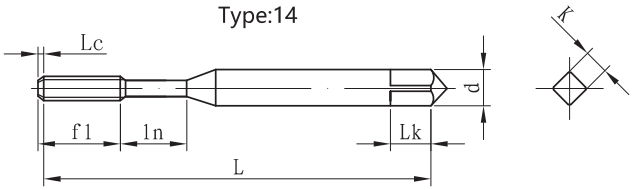
备注:M10以下(粗牙/细牙)的外形标准均为DIN371

X30-NRT 挤压丝锥
X30 FORMING TAPS

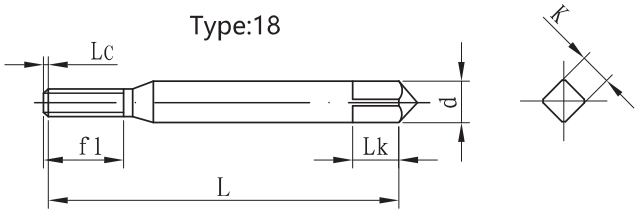
CPM | M | ISO 5H | ISO 6H/6HX | Coating TICN-AL | DIN 371



Type:14



Type:18



2.5牙(2.5P)盲孔用
2.5P chamfers,for blind hole
4牙(4P)通孔用,可定制
4Pchamfers,for through hole,Can be customizable

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk		
X30012025B	M1.2×0.25	5H	2.5P	18	40	5	-	2.5	2.1	3	DIN371	○
X30014030B	M1.4×0.3	6H	2.5P	18	40	6	-	2.5	2.1	3	DIN371	○
X30016035B	M1.6×0.35	6H	2.5P	18	40	8	-	2.5	2.1	3	DIN371	○
X3002040B	M2×0.4	6H	2.5P	14	45	6	7	2.8	2.1	3	DIN371	○
X30025045B	M2.5×0.45	6H	2.5P	14	50	7	8	2.8	2.1	3	DIN371	○
X3003050B	M3×0.5	6HX	2.5P	14	56	7	11	3.5	2.7	6	DIN371	●
X3004070B	M4×0.7	6HX	2.5P	14	63	9	12	4.5	3.4	6	DIN371	●
X3005080B	M5×0.8	6HX	2.5P	14	70	10	15	6	4.9	8	DIN371	●
X3006100B	M6×1	6HX	2.5P	14	80	10	20	6	4.9	8	DIN371	●
X3007100B	M7×1	6HX	2.5P	14	80	10	20	7	5.5	8	DIN371	●

1.以上为5H/6H/6HX精度,其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 5H/6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P27-P33
The drill hole diameter please see P27-P33

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

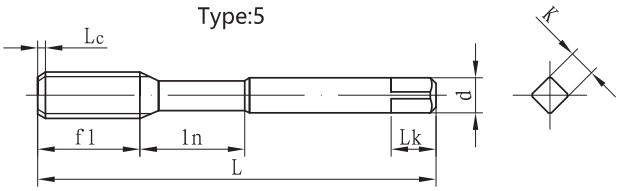
● 最佳Best ◎ 合适Good

X30-NRT 挤压丝锥

X30 FORMING TAPS

CPM | M | ISO 6HX | Coating TICN-AL | DIN 371 | DIN 374 | DIN 376





2.5牙 (2.5P) 盲孔用
2.5P chamfers,for blind hole
4牙 (4P) 通孔用, 可定制
4Pchamfers,for through hole,Can be customizable

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸 (mm) Dimensions						外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk		
X3008125B	M8×1.25	6HX	2.5P	5	90	13	22	8	6.2	9	DIN371	●
X3008100B	M8×1	6HX	2.5P	5	90	13	22	8	6.2	9	DIN371	●
X3010150B	M10×1.5	6HX	2.5P	5	100	15	24	10	8	11	DIN371	●
X3010125B	M10×1.25	6HX	2.5P	5	100	15	24	10	8	11	DIN371	●
X3010100B	M10×1	6HX	2.5P	5	100	15	24	10	8	11	DIN371	●
X3012175B	M12×1.75	6HX	2.5P	5	110	17	32	9	7	10	DIN376	●
X3012150B	M12×1.5	6HX	2.5P	5	110	17	32	9	7	10	DIN374	●
X3012125B	M12×1.25	6HX	2.5P	5	110	17	32	9	7	10	DIN374	●
X3012100B	M12×1	6HX	2.5P	5	110	17	32	9	7	10	DIN374	●
X3014200B	M14×2	6HX	2.5P	5	110	20	33	11	9	12	DIN376	●
X3014150B	M14×1.5	6HX	2.5P	5	110	20	33	11	9	12	DIN374	●
X3014125B	M14×1.25	6HX	2.5P	5	110	20	33	11	9	12	DIN374	●
X3014100B	M14×1	6HX	2.5P	5	110	20	33	11	9	12	DIN374	○
X3016200B	M16×2	6HX	2.5P	5	110	20	34	12	9	12	DIN376	●
X3016150B	M16×1.5	6HX	2.5P	5	110	20	34	12	9	12	DIN374	●
X3016125B	M16×1.25	6HX	2.5P	5	110	20	34	12	9	12	DIN374	○
X3016100B	M16×1	6HX	2.5P	5	110	20	34	12	9	12	DIN374	○
X3018250B	M18×2.5	6HX	2.5P	5	125	25	36	14	11	14	DIN376	●
X3018200B	M18×2	6HX	2.5P	5	125	25	36	14	11	14	DIN374	○
X3018150B	M18×1.5	6HX	2.5P	5	125	25	36	14	11	14	DIN374	○
X3020250B	M20×2.5	6HX	2.5P	5	140	25	44	16	12	15	DIN376	●
X3020200B	M20×2	6HX	2.5P	5	140	25	44	16	12	15	DIN374	○

1.以上为6HX精度, 其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P27-P33
The drill hole diameter please see P27-P33

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

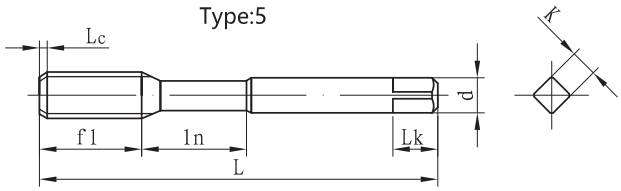
● 最佳Best ◎ 合适Good

X30-NRT 挤压丝锥

X30 FORMING TAPS

CPM | M | ISO 6HX | Coating TICN-AL | DIN 371 | DIN 374 | DIN 376





2.5牙 (2.5P) 盲孔用
2.5P chamfers,for blind hole
4牙 (4P) 通孔用, 可定制
4Pchamfers,for through hole,Can be customizable

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸 (mm) Dimensions						外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk		
X3020150B	M20×1.5	6HX	2.5P	5	140	25	44	16	12	15	DIN374	○
X3022250B	M22×2.5	6HX	2.5P	5	140	25	44	18	14.5	17	DIN376	○
X3022200B	M22×2	6HX	2.5P	5	140	25	44	18	14.5	17	DIN374	○
X3022150B	M22×1.5	6HX	2.5P	5	140	25	44	18	14.5	17	DIN374	○
X3024300B	M24×3	6HX	2.5P	5	160	30	48	18	14.5	17	DIN376	○
X3024250B	M24×2.5	6HX	2.5P	5	160	30	48	18	14.5	17	DIN374	○
X3024200B	M24×2	6HX	2.5P	5	160	30	48	18	14.5	17	DIN374	○
X3027300B	M27×3	6HX	2.5P	5	160	30	48	20	16	19	DIN376	○
X3027250B	M27×2.5	6HX	2.5P	5	160	30	48	20	16	19	DIN374	○
X3027200B	M27×2	6HX	2.5P	5	160	30	48	20	16	19	DIN374	○
X3030350B	M30×3.5	6HX	2.5P	5	180	35	53	22	18	21	DIN376	○
X3030300B	M30×3	6HX	2.5P	5	180	35	53	22	18	21	DIN374	○
X3030250B	M30×2.5	6HX	2.5P	5	180	35	53	22	18	21	DIN374	○
X3030200B	M30×2	6HX	2.5P	5	180	35	53	22	18	21	DIN374	○
X3036400B	M36×4	6HX	2.5P	5	200	50	48	28	22	25	DIN376	○

1.以上为6HX精度, 其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see zz

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

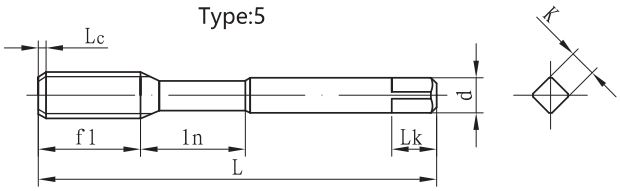
X30E-NRT 倒牙挤压丝锥

X30E FORMING TAPS WITH SHORT CHAMFER

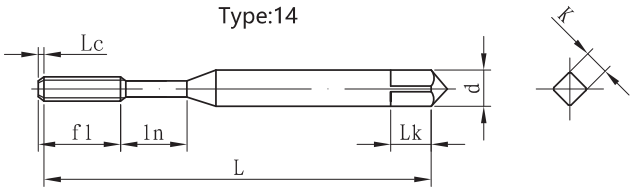
CPM | M | ISO 6HX | Coating TICN-AL | DIN 371 | DIN 376 | DIN 374



Type:5



Type:14



单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸 (mm) Dimensions						外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk		
X30E03050B	M3×0.5	6HX	1.5P	14	56	7	11	3.5	2.7	6	DIN371	○
X30E04070B	M4×0.7	6HX	1.5P	14	63	9	12	4.5	3.4	6	DIN371	○
X30E05080B	M5×0.8	6HX	1.5P	14	70	10	15	6	4.9	8	DIN371	○
X30E06100B	M6×1	6HX	1.5P	14	80	10	20	6	4.9	8	DIN371	●
X30E07100B	M7×1	6HX	1.5P	14	80	10	20	7	5.5	8	DIN371	○
X30E08125B	M8×1.25	6HX	1.5P	5	90	13	22	8	6.2	9	DIN371	●
X30E08100B	M8×1	6HX	1.5P	5	90	13	22	8	6.2	9	DIN371	○
X30E10150B	M10×1.5	6HX	1.5P	5	100	15	24	10	8	11	DIN371	●
X30E10125B	M10×1.25	6HX	1.5P	5	100	15	24	10	8	11	DIN371	○
X30E10100B	M10×1	6HX	1.5P	5	100	15	24	10	8	11	DIN371	○
X30E12175B	M12×1.75	6HX	1.5P	5	110	17	32	9	7	10	DIN376	●
X30E12150B	M12×1.5	6HX	1.5P	5	110	17	32	9	7	10	DIN374	○
X30E12125B	M12×1.25	6HX	1.5P	5	110	17	32	9	7	10	DIN374	○
X30E12100B	M12×1	6HX	1.5P	5	110	17	32	9	7	10	DIN374	○
X30E14200B	M14×2	6HX	1.5P	5	110	20	33	11	9	12	DIN376	○
X30E14150B	M14×1.5	6HX	1.5P	5	110	20	33	11	9	12	DIN374	●
X30E14125B	M14×1.25	6HX	1.5P	5	110	20	33	11	9	12	DIN374	○
X30E14100B	M14×1	6HX	1.5P	5	110	20	33	11	9	12	DIN374	○
X30E16200B	M16×2	6HX	1.5P	5	110	20	34	12	9	12	DIN376	○
X30E16150B	M16×1.5	6HX	1.5P	5	110	20	34	12	9	12	DIN374	○
X30E16125B	M16×1.25	6HX	1.5P	5	110	20	34	12	9	12	DIN374	○
X30E16100B	M16×1	6HX	1.5P	5	110	20	34	12	9	12	DIN374	○
X30E18250B	M18×2.5	6HX	1.5P	5	125	25	36	14	11	14	DIN376	○
X30E18200B	M18×2	6HX	1.5P	5	125	25	36	14	11	14	DIN374	○
X30E18150B	M18×1.5	6HX	1.5P	5	125	25	36	14	11	14	DIN374	○
X30E20250B	M20×2.5	6HX	1.5P	5	140	25	44	16	12	15	DIN376	○
X30E20200B	M20×2	6HX	1.5P	5	140	25	44	16	12	15	DIN374	○
X30E20150B	M20×1.5	6HX	1.5P	5	140	25	44	16	12	15	DIN374	○
X30E22250B	M22×2.5	6HX	1.5P	5	140	25	44	18	14.5	17	DIN376	○
X30E22200B	M22×2	6HX	1.5P	5	140	25	44	18	14.5	17	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

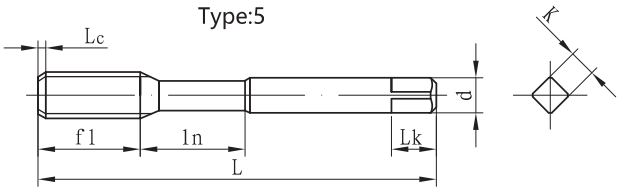
X30E-NRT 倒牙挤压丝锥

X30E FORMING TAPS WITH SHORT CHAMFER

CPM | M | ISO 6HX | Coating TICN-AL | DIN 374 | DIN 376



Type:5



单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk		
X30E22150B	M22×1.5	6HX	1.5P	5	140	25	44	18	14.5	17	DIN374	○
X30E24300B	M24×3	6HX	1.5P	5	160	30	48	18	14.5	17	DIN376	○
X30E24250B	M24×2.5	6HX	1.5P	5	160	30	48	18	14.5	17	DIN374	○
X30E24200B	M24×2	6HX	1.5P	5	160	30	48	18	14.5	17	DIN374	○
X30E27300B	M27×3	6HX	1.5P	5	160	30	48	20	16	19	DIN376	○
X30E27250B	M27×2.5	6HX	1.5P	5	160	30	48	20	16	19	DIN374	○
X30E27200B	M27×2	6HX	1.5P	5	160	30	48	20	16	19	DIN374	○
X30E30350B	M30×3.5	6HX	1.5P	5	180	35	53	22	18	21	DIN376	○
X30E30300B	M30×3	6HX	1.5P	5	180	35	53	22	18	21	DIN374	○
X30E30250B	M30×2.5	6HX	1.5P	5	180	35	53	22	18	21	DIN374	○
X30E30200B	M30×2	6HX	1.5P	5	180	35	53	22	18	21	DIN374	○
X30E36400B	M36×4	6HX	1.5P	5	200	50	48	28	22	25	DIN376	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

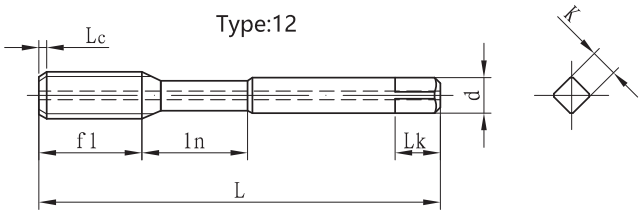
● 最佳Best ◎ 合适Good

X31-NRT 内冷挤压丝锥

X31 FORMING TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating TICN-AL | DIN 371 | DIN 374 | DIN 376





侧冷：适合通孔加工
C：suitable for through hole processing.
直冷：适合盲孔加工
Z：suitable for blind hole processing

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X3104070Z	M4×0.7	6HX	2.5P	12	63	9	12	4.5	3.4	6	直冷Z	DIN371	○
X3104070C	M4×0.7	6HX	2.5P	12	63	9	12	4.5	3.4	6	侧冷C	DIN371	○
X3105080Z	M5×0.8	6HX	2.5P	12	70	10	15	6	4.9	8	直冷Z	DIN371	●
X3105080C	M5×0.8	6HX	2.5P	12	70	10	15	6	4.9	8	侧冷C	DIN371	○
X3106100Z	M6×1	6HX	2.5P	12	80	10	20	6	4.9	8	直冷Z	DIN371	●
X3106100C	M6×1	6HX	2.5P	12	80	10	20	6	4.9	8	侧冷C	DIN371	○
X3107100Z	M7×1	6HX	2.5P	12	80	10	20	7	5.5	8	直冷Z	DIN371	○
X3107100C	M7×1	6HX	2.5P	12	80	10	20	7	5.5	8	侧冷C	DIN371	○
X3108125Z	M8×1.25	6HX	2.5P	12	90	13	22	8	6.2	9	直冷Z	DIN371	●
X3108125C	M8×1.25	6HX	2.5P	12	90	13	22	8	6.2	9	侧冷C	DIN371	○
X3108100Z	M8×1	6HX	2.5P	12	90	13	22	8	6.2	9	直冷Z	DIN371	○
X3108100C	M8×1	6HX	2.5P	12	90	13	22	8	6.2	9	侧冷C	DIN371	○
X3110150Z	M10×1.5	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X3110150C	M10×1.5	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	DIN371	○
X3110125Z	M10×1.25	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X3110125C	M10×1.25	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	DIN371	○
X3110100Z	M10×1	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X3110100C	M10×1	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	DIN371	○
X3112175Z	M12×1.75	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	DIN376	○
X3112175C	M12×1.75	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	DIN376	○
X3112150Z	M12×1.5	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X3112150C	M12×1.5	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	DIN374	○
X3112125Z	M12×1.25	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X3112125C	M12×1.25	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	DIN374	○
X3112100Z	M12×1	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X3112100C	M12×1	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	DIN374	○
X3114200Z	M14×2	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	DIN376	○
X3114200C	M14×2	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	DIN376	○
X3114150Z	M14×1.5	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X3114150C	M14×1.5	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

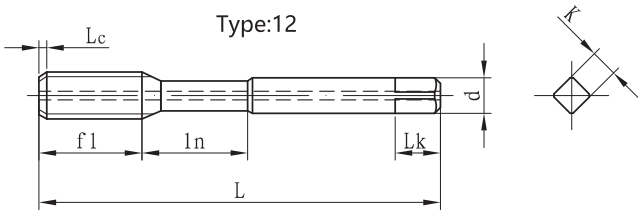
● 最佳Best ◎ 合适Good

X31-NRT 内冷挤压丝锥

X31 FORMING TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating TICN-AL | DIN 374 | DIN 376





侧冷：适合通孔加工
C：suitable for through hole processing.
直冷：适合盲孔加工
Z：suitable for blind hole processing

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X3114125Z	M14×1.25	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X3114125C	M14×1.25	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	DIN374	○
X3114100Z	M14×1	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X3114100C	M14×1	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	DIN374	○
X3116200Z	M16×2	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	DIN376	○
X3116200C	M16×2	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	DIN376	○
X3116150Z	M16×1.5	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X3116150C	M16×1.5	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	DIN374	○
X3116125Z	M16×1.25	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X3116125C	M16×1.25	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	DIN374	○
X3116100Z	M16×1	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X3116100C	M16×1	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	DIN374	○
X3118250Z	M18×2.5	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	DIN376	○
X3118250C	M18×2.5	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	DIN376	○
X3118200Z	M18×2	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	DIN374	○
X3118200C	M18×2	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	DIN374	○
X3118150Z	M18×1.5	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	DIN374	○
X3118150C	M18×1.5	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	DIN374	○
X3120250Z	M20×2.5	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	DIN376	○
X3120250C	M20×2.5	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	DIN376	○
X3120200Z	M20×2	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	DIN374	○
X3120200C	M20×2	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	DIN374	○
X3120150Z	M20×1.5	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	DIN374	○
X3120150C	M20×1.5	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	DIN374	○
X3122250Z	M22×2.5	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	DIN376	○
X3122250C	M22×2.5	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	DIN376	○
X3122200Z	M22×2	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	DIN374	○
X3122200C	M22×2	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	DIN374	○
X3122150Z	M22×1.5	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	DIN374	○
X3122150C	M22×1.5	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

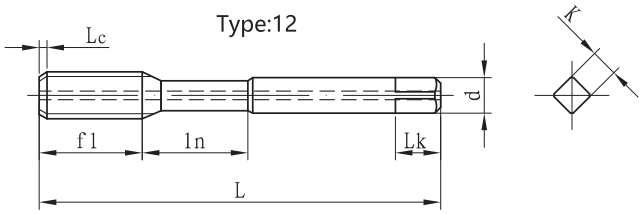
P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

X31-NRT 内冷挤压丝锥

X31 FORMING TAPS WITH INTERNAL COOLANT





侧冷：适合通孔加工
C：suitable for through hole processing.
直冷：适合盲孔加工
Z：suitable for blind hole processing

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X3124300Z	M24×3	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	DIN376	○
X3124300C	M24×3	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	DIN376	○
X3124250Z	M24×2.5	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	DIN374	○
X3124250C	M24×2.5	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	DIN374	○
X3124200Z	M24×2	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	DIN374	○
X3124200C	M24×2	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	DIN374	○
X3127300Z	M27×3	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	DIN376	○
X3127300C	M27×3	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	DIN376	○
X3127250Z	M27×2.5	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	DIN374	○
X3127250C	M27×2.5	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	DIN374	○
X3127200Z	M27×2	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	DIN374	○
X3127200C	M27×2	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	DIN374	○
X3130350Z	M30×3.5	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	DIN376	○
X3130350C	M30×3.5	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	DIN376	○
X3130300Z	M30×3	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X3130300C	M30×3	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	DIN374	○
X3130250Z	M30×2.5	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X3130250C	M30×2.5	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	DIN374	○
X3130200Z	M30×2	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X3130200C	M30×2	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	DIN374	○
X3136400Z	M36×4	6HX	2.5P	12	200	50	48	28	22	25	直冷Z	DIN376	○
X3136400C	M36×4	6HX	2.5P	12	200	50	48	28	22	25	侧冷C	DIN376	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

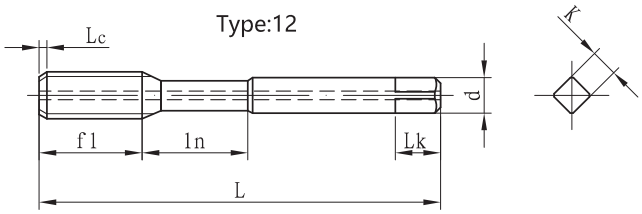
● 最佳Best ◎ 合适Good

X31E-NRT 内冷倒牙挤压丝锥

X31E FORMING TAPS WITH SHORT CHAMFER AND INTERNAL COOLANT

CPM | M | Oilhole | ISO 6HX | Coating TICN-AL | DIN 371 | DIN 374 | DIN 376





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X31E04070Z	M4×0.7	6HX	1.5P	12	63	9	12	4.5	3.4	6	直冷Z	DIN371	○
X31E05080Z	M5×0.8	6HX	1.5P	12	70	10	15	6	4.9	8	直冷Z	DIN371	○
X31E06100Z	M6×1	6HX	1.5P	12	80	10	20	6	4.9	8	直冷Z	DIN371	○
X31E07100Z	M7×1	6HX	1.5P	12	80	10	20	7	5.5	8	直冷Z	DIN371	○
X31E08125Z	M8×1.25	6HX	1.5P	12	90	13	22	8	6.2	9	直冷Z	DIN371	○
X31E08100Z	M8×1	6HX	1.5P	12	90	13	22	8	6.2	9	直冷Z	DIN371	○
X31E10150Z	M10×1.5	6HX	1.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X31E10125Z	M10×1.25	6HX	1.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X31E10100Z	M10×1	6HX	1.5P	12	100	15	24	10	8	11	直冷Z	DIN371	○
X31E12175Z	M12×1.75	6HX	1.5P	12	110	17	32	9	7	10	直冷Z	DIN376	○
X31E12150Z	M12×1.5	6HX	1.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X31E12125Z	M12×1.25	6HX	1.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X31E12100Z	M12×1	6HX	1.5P	12	110	17	32	9	7	10	直冷Z	DIN374	○
X31E14200Z	M14×2	6HX	1.5P	12	110	20	33	11	9	12	直冷Z	DIN376	○
X31E14150Z	M14×1.5	6HX	1.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X31E14125Z	M14×1.25	6HX	1.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X31E14100Z	M14×1	6HX	1.5P	12	110	20	33	11	9	12	直冷Z	DIN374	○
X31E16200Z	M16×2	6HX	1.5P	12	110	20	34	12	9	12	直冷Z	DIN376	○
X31E16150Z	M16×1.5	6HX	1.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X31E16125Z	M16×1.25	6HX	1.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X31E16100Z	M16×1	6HX	1.5P	12	110	20	34	12	9	12	直冷Z	DIN374	○
X31E18250Z	M18×2.5	6HX	1.5P	12	125	25	36	14	11	14	直冷Z	DIN376	○
X31E18200Z	M18×2	6HX	1.5P	12	125	25	36	14	11	14	直冷Z	DIN374	○
X31E18150Z	M18×1.5	6HX	1.5P	12	125	25	36	14	11	14	直冷Z	DIN374	○
X31E20250Z	M20×2.5	6HX	1.5P	12	140	25	44	16	12	15	直冷Z	DIN376	○
X31E20200Z	M20×2	6HX	1.5P	12	140	25	44	16	12	15	直冷Z	DIN374	○
X31E20150Z	M20×1.5	6HX	1.5P	12	140	25	44	16	12	15	直冷Z	DIN374	○
X31E22250Z	M22×2.5	6HX	1.5P	12	140	25	44	18	14.5	17	直冷Z	DIN376	○
X31E22200Z	M22×2	6HX	1.5P	12	140	25	44	18	14.5	17	直冷Z	DIN374	○
X31E22150Z	M22×1.5	6HX	1.5P	12	140	25	44	18	14.5	17	直冷Z	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

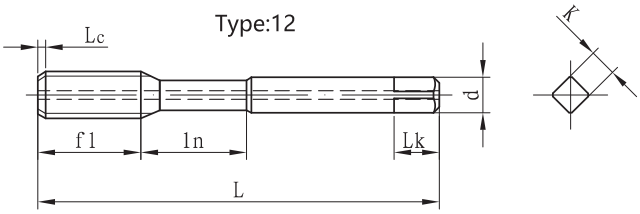
● 最佳Best ◎ 合适Good

X31E-NRT 内冷倒牙挤压丝锥

X31E FORMING TAPS WITH SHORT CHAMFER AND INTERNAL COOLANT

CPM | M | Oilhole | ISO 6HX | Coating TICN-AL | DIN 374 | DIN 376





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X31E24300Z	M24×3	6HX	1.5P	12	160	30	48	18	14.5	17	直冷Z	DIN376	○
X31E24250Z	M24×2.5	6HX	1.5P	12	160	30	48	18	14.5	17	直冷Z	DIN374	○
X31E24200Z	M24×2	6HX	1.5P	12	160	30	48	18	14.5	17	直冷Z	DIN374	○
X31E27300Z	M27×3	6HX	1.5P	12	160	30	48	20	16	19	直冷Z	DIN376	○
X31E27250Z	M27×2.5	6HX	1.5P	12	160	30	48	20	16	19	直冷Z	DIN374	○
X31E27200Z	M27×2	6HX	1.5P	12	160	30	48	20	16	19	直冷Z	DIN374	○
X31E30350Z	M30×3.5	6HX	1.5P	12	180	35	53	22	18	21	直冷Z	DIN376	○
X31E30300Z	M30×3	6HX	1.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X31E30250Z	M30×2.5	6HX	1.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X31E30200Z	M30×2	6HX	1.5P	12	180	35	53	22	18	21	直冷Z	DIN374	○
X31E36400Z	M36×4	6HX	1.5P	12	200	50	48	28	22	25	直冷Z	DIN376	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

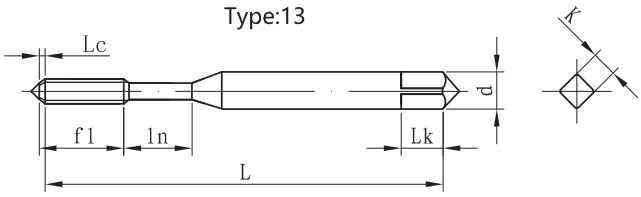
X20-SFT 螺旋丝锥

X20 SPIRAL FLUTED TAPS

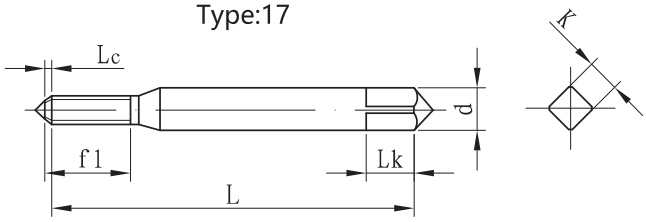
CPM | M | ISO 5H | ISO 6H/6HX | Coating X | DIN 371



Type:13



Type:17



◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20S012025	M1.2×0.25	5H	2.5P	17	40	5	-	2.5	2.1	3	2	DIN371	○
X20S014030	M1.4×0.3	6H	2.5P	17	40	6	-	2.5	2.1	3	2	DIN371	○
X20S016035	M1.6×0.35	6H	2.5P	17	40	8	-	2.5	2.1	3	2	DIN371	○
X20S02040	M2×0.4	6H	2.5P	13	45	6	7	2.8	2.1	3	2	DIN371	○
X20S025045	M2.5×0.45	6H	2.5P	13	50	7	8	2.8	2.1	3	2	DIN371	○
X20S03050	M3×0.5	6HX	2.5P	13	56	7	11	3.5	2.7	6	3	DIN371	●
X20S04070	M4×0.7	6HX	2.5P	13	63	9	12	4.5	3.4	6	3	DIN371	●
X20S05080	M5×0.8	6HX	2.5P	13	70	10	15	6	4.9	8	3	DIN371	●
X20S06100	M6×1	6HX	2.5P	13	80	10	20	6	4.9	8	3	DIN371	●
X20S07100	M7×1	6HX	2.5P	13	80	10	20	7	5.5	8	3	DIN371	○

1.以上为5H/6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 5H/6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

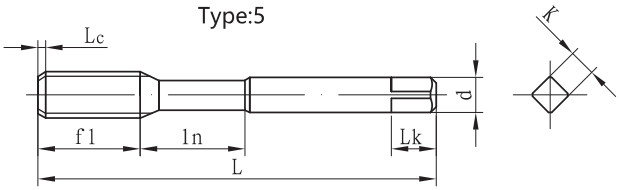
● 最佳Best ◎ 合适Good

X20-SFT 螺旋丝锥

X20 SPIRAL FLUTED TAPS

CPM | M | ISO 6H/6HX | Coating X | DIN 371 | DIN 374 | DIN 376





◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20S08125	M8×1.25	6HX	2.5P	5	90	13	22	8	6.2	9	3	DIN371	●
X20S08100	M8×1	6HX	2.5P	5	90	13	22	8	6.2	9	3	DIN371	●
X20S10150	M10×1.5	6HX	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X20S10125	M10×1.25	6HX	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X20S10100	M10×1	6HX	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X20S12175	M12×1.75	6HX	2.5P	5	110	17	32	9	7	10	3	DIN376	●
X20S12150	M12×1.5	6HX	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X20S12125	M12×1.25	6HX	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X20S12100	M12×1	6HX	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X20S14200	M14×2	6HX	2.5P	5	110	20	33	11	9	12	4	DIN376	●
X20S14150	M14×1.5	6HX	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X20S14125	M14×1.25	6HX	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X20S14100	M14×1	6HX	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X20S16200	M16×2	6HX	2.5P	5	110	20	34	12	9	12	4	DIN376	●
X20S16150	M16×1.5	6HX	2.5P	5	110	20	34	12	9	12	4	DIN374	●
X20S16125	M16×1.25	6HX	2.5P	5	110	20	34	12	9	12	4	DIN374	●
X20S16100	M16×1	6HX	2.5P	5	110	20	34	12	9	12	4	DIN374	●
X20S18250	M18×2.5	6HX	2.5P	5	125	25	36	14	11	14	4	DIN376	●
X20S18200	M18×2	6HX	2.5P	5	125	25	36	14	11	14	4	DIN374	●
X20S18150	M18×1.5	6HX	2.5P	5	125	25	36	14	11	14	4	DIN374	●
X20S20250	M20×2.5	6HX	2.5P	5	140	25	44	16	12	15	4	DIN376	●
X20S20200	M20×2	6HX	2.5P	5	140	25	44	16	12	15	4	DIN374	○

1.以上为6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

● 最佳Best ◎ 合适Good

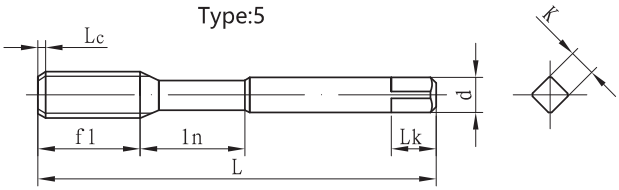
X20-SFT 螺旋丝锥

X20 SPIRAL FLUTED TAPS

CPM | M | ISO 6HX | Coating X | DIN 374 | DIN 376



Type:5



◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20S20150	M20×1.5	6HX	2.5P	5	140	25	44	16	12	15	4	DIN374	●
X20S22250	M22×2.5	6HX	2.5P	5	140	25	44	18	14.5	17	4	DIN376	○
X20S22200	M22×2	6HX	2.5P	5	140	25	44	18	14.5	17	4	DIN374	○
X20S22150	M22×1.5	6HX	2.5P	5	140	25	44	18	14.5	17	4	DIN374	○
X20S24300	M24×3	6HX	2.5P	5	160	30	48	18	14.5	17	4	DIN376	●
X20S24250	M24×2.5	6HX	2.5P	5	160	30	48	18	14.5	17	4	DIN374	○
X20S24200	M24×2	6HX	2.5P	5	160	30	48	18	14.5	17	4	DIN374	○
X20S27300	M27×3	6HX	2.5P	5	160	30	48	20	16	19	4	DIN376	○
X20S27250	M27×2.5	6HX	2.5P	5	160	30	48	20	16	19	4	DIN374	○
X20S27200	M27×2	6HX	2.5P	5	160	30	48	20	16	19	4	DIN374	○
X20S30350	M30×3.5	6HX	2.5P	5	180	35	53	22	18	21	4	DIN376	○
X20S30300	M30×3	6HX	2.5P	5	180	35	53	22	18	21	4	DIN374	○
X20S30250	M30×2.5	6HX	2.5P	5	180	35	53	22	18	21	4	DIN374	○
X20S30200	M30×2	6HX	2.5P	5	180	35	53	22	18	21	4	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

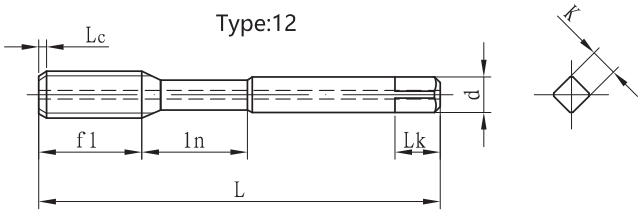
● 最佳Best ◎ 合适Good

X21-SFT 内冷螺旋丝锥

X21 SPIRAL FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376





◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21S04070C	M4×0.7	6HX	2.5P	12	63	9	12	4.5	3.4	6	侧冷C	3	DIN371	○
X21S04070Z	M4×0.7	6HX	2.5P	12	63	9	12	4.5	3.4	6	直冷Z	3	DIN371	○
X21S05080C	M5×0.8	6HX	2.5P	12	70	10	15	6	4.9	8	侧冷C	3	DIN371	○
X21S05080Z	M5×0.8	6HX	2.5P	12	70	10	15	6	4.9	8	直冷Z	3	DIN371	○
X21S06100C	M6×1	6HX	2.5P	12	80	10	20	6	4.9	8	侧冷C	3	DIN371	○
X21S06100Z	M6×1	6HX	2.5P	12	80	10	20	6	4.9	8	直冷Z	3	DIN371	●
X21S07100C	M7×1	6HX	2.5P	12	80	10	20	7	5.5	8	侧冷C	3	DIN371	○
X21S07100Z	M7×1	6HX	2.5P	12	80	10	20	7	5.5	8	直冷Z	3	DIN371	○
X21S08125C	M8×1.25	6HX	2.5P	12	90	13	22	8	6.2	9	侧冷C	3	DIN371	○
X21S08125Z	M8×1.25	6HX	2.5P	12	90	13	22	8	6.2	9	直冷Z	3	DIN371	●
X21S08100C	M8×1	6HX	2.5P	12	90	13	22	8	6.2	9	侧冷C	3	DIN371	○
X21S08100Z	M8×1	6HX	2.5P	12	90	13	22	8	6.2	9	直冷Z	3	DIN371	●
X21S10150C	M10×1.5	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	3	DIN371	○
X21S10150Z	M10×1.5	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	3	DIN371	●
X21S10125C	M10×1.25	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	3	DIN371	○
X21S10125Z	M10×1.25	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	3	DIN371	●
X21S10100C	M10×1	6HX	2.5P	12	100	15	24	10	8	11	侧冷C	3	DIN371	○
X21S10100Z	M10×1	6HX	2.5P	12	100	15	24	10	8	11	直冷Z	3	DIN371	○
X21S12175C	M12×1.75	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	3	DIN376	○
X21S12175Z	M12×1.75	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	3	DIN376	●
X21S12150C	M12×1.5	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	3	DIN374	○
X21S12150Z	M12×1.5	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	3	DIN374	●
X21S12125C	M12×1.25	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	3	DIN374	○
X21S12125Z	M12×1.25	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	3	DIN374	○
X21S12100C	M12×1	6HX	2.5P	12	110	17	32	9	7	10	侧冷C	3	DIN374	○
X21S12100Z	M12×1	6HX	2.5P	12	110	17	32	9	7	10	直冷Z	3	DIN374	○
X21S14200C	M14×2	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	4	DIN376	○
X21S14200Z	M14×2	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	4	DIN376	●
X21S14150C	M14×1.5	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	4	DIN374	○
X21S14150Z	M14×1.5	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	4	DIN374	●

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

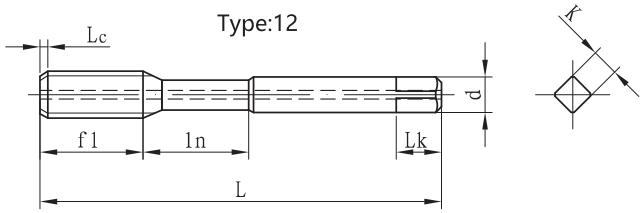
● 最佳Best ◎ 合适Good

X21-SFT 内冷螺旋丝锥

X21 SPIRAL FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 374 | DIN 376





◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21S14125C	M14×1.25	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	4	DIN374	●
X21S14125Z	M14×1.25	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	4	DIN374	●
X21S14100C	M14×1	6HX	2.5P	12	110	20	33	11	9	12	侧冷C	4	DIN374	●
X21S14100Z	M14×1	6HX	2.5P	12	110	20	33	11	9	12	直冷Z	4	DIN374	●
X21S16200C	M16×2	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	4	DIN376	●
X21S16200Z	M16×2	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	4	DIN376	●
X21S16150C	M16×1.5	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	4	DIN374	●
X21S16150Z	M16×1.5	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	4	DIN374	●
X21S16125C	M16×1.25	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	4	DIN374	●
X21S16125Z	M16×1.25	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	4	DIN374	●
X21S16100C	M16×1	6HX	2.5P	12	110	20	34	12	9	12	侧冷C	4	DIN374	●
X21S16100Z	M16×1	6HX	2.5P	12	110	20	34	12	9	12	直冷Z	4	DIN374	●
X21S18250C	M18×2.5	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	4	DIN376	○
X21S18250Z	M18×2.5	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	4	DIN376	○
X21S18200C	M18×2	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	4	DIN374	○
X21S18200Z	M18×2	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	4	DIN374	○
X21S18150C	M18×1.5	6HX	2.5P	12	125	25	36	14	11	14	侧冷C	4	DIN374	○
X21S18150Z	M18×1.5	6HX	2.5P	12	125	25	36	14	11	14	直冷Z	4	DIN374	○
X21S20250C	M20×2.5	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	4	DIN376	○
X21S20250Z	M20×2.5	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	4	DIN376	○
X21S20200C	M20×2	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	4	DIN374	○
X21S20200Z	M20×2	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	4	DIN374	○
X21S20150C	M20×1.5	6HX	2.5P	12	140	25	44	16	12	15	侧冷C	4	DIN374	○
X21S20150Z	M20×1.5	6HX	2.5P	12	140	25	44	16	12	15	直冷Z	4	DIN374	○
X21S22250C	M22×2.5	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	4	DIN376	○
X21S22250Z	M22×2.5	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	4	DIN376	○
X21S22200C	M22×2	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	4	DIN374	○
X21S22200Z	M22×2	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	4	DIN374	○
X21S22150C	M22×1.5	6HX	2.5P	12	140	25	44	18	14.5	17	侧冷C	4	DIN374	○
X21S22150Z	M22×1.5	6HX	2.5P	12	140	25	44	18	14.5	17	直冷Z	4	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

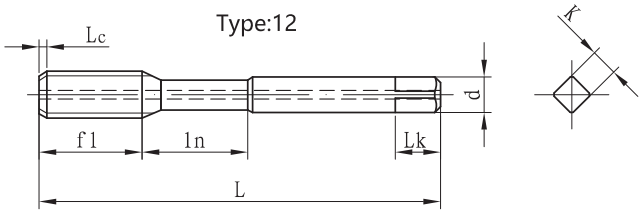
● 最佳Best ◎ 合适Good

X21-SFT 内冷螺旋丝锥

X21 SPIRAL FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 374 | DIN 376





◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21S24300C	M24×3	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	4	DIN376	○
X21S24300Z	M24×3	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	4	DIN376	○
X21S24250C	M24×2.5	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	4	DIN374	○
X21S24250Z	M24×2.5	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	4	DIN374	○
X21S24200C	M24×2	6HX	2.5P	12	160	30	48	18	14.5	17	侧冷C	4	DIN374	○
X21S24200Z	M24×2	6HX	2.5P	12	160	30	48	18	14.5	17	直冷Z	4	DIN374	○
X21S27300C	M27×3	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	4	DIN376	○
X21S27300Z	M27×3	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	4	DIN376	○
X21S27250C	M27×2.5	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	4	DIN374	○
X21S27250Z	M27×2.5	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	4	DIN374	○
X21S27200C	M27×2	6HX	2.5P	12	160	30	48	20	16	19	侧冷C	4	DIN374	○
X21S27200Z	M27×2	6HX	2.5P	12	160	30	48	20	16	19	直冷Z	4	DIN374	○
X21S30350C	M30×3.5	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	4	DIN376	○
X21S30350Z	M30×3.5	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	4	DIN376	○
X21S30300C	M30×3	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	4	DIN374	○
X21S30300Z	M30×3	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	4	DIN374	○
X21S30250C	M30×2.5	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	4	DIN374	○
X21S30250Z	M30×2.5	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	4	DIN374	○
X21S30200C	M30×2	6HX	2.5P	12	180	35	53	22	18	21	侧冷C	4	DIN374	○
X21S30200Z	M30×2	6HX	2.5P	12	180	35	53	22	18	21	直冷Z	4	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

● 最佳Best ◎ 合适Good

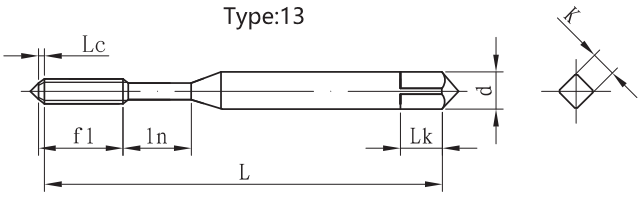
X20-POT 刃倾角丝锥

X20 SPIRAL POINTED TAPS

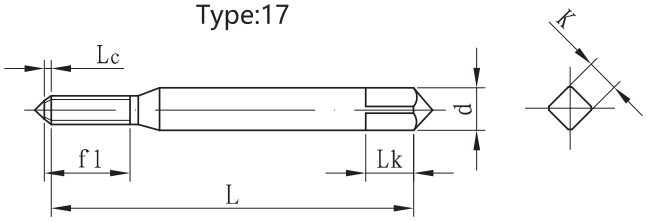
CPM | M | ISO 5H | ISO 6H/6HX | Coating X | DIN 371



Type:13



Type:17



◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20P012025	M1.2×0.25	5H	5P	17	40	5	-	2.5	2.1	3	2	DIN371	○
X20P014030	M1.4×0.3	6H	5P	17	40	6	-	2.5	2.1	3	2	DIN371	○
X20P016035	M1.6×0.35	6H	5P	17	40	8	-	2.5	2.1	3	2	DIN371	○
X20P02040	M2×0.4	6H	5P	13	45	6	7	2.8	2.1	3	2	DIN371	○
X20P025045	M2.5×0.45	6H	5P	13	50	7	8	2.8	2.1	3	2	DIN371	○
X20P03050	M3×0.5	6HX	5P	13	56	7	11	3.5	2.7	6	3	DIN371	●
X20P04070	M4×0.7	6HX	5P	13	63	9	12	4.5	3.4	6	3	DIN371	●
X20P05080	M5×0.8	6HX	5P	13	70	10	15	6	4.9	8	3	DIN371	●
X20P06100	M6×1	6HX	5P	13	80	10	20	6	4.9	8	3	DIN371	●
X20P07100	M7×1	6HX	5P	13	80	10	20	7	5.5	8	3	DIN371	●

1.以上为5H/6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 5H/6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
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P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

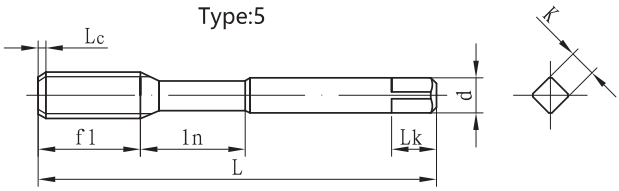
● 最佳Best ◎ 合适Good

X20-POT 刃倾角丝锥

X20 SPIRAL POINTED TAPS

CPM | M | ISO 6HX | Coating X | DIN 374 | DIN 376





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单位Unit:mm

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					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20P08125	M8×1.25	6HX	5P	5	90	13	22	8	6.2	9	3	DIN371	●
X20P08100	M8×1	6HX	5P	5	90	13	22	8	6.2	9	3	DIN371	●
X20P10150	M10×1.5	6HX	5P	5	100	15	24	10	8	11	3	DIN371	●
X20P10125	M10×1.25	6HX	5P	5	100	15	24	10	8	11	3	DIN371	●
X20P10100	M10×1	6HX	5P	5	100	15	24	10	8	11	3	DIN371	●
X20P12175	M12×1.75	6HX	5P	5	110	17	32	9	7	10	4	DIN376	●
X20P12150	M12×1.5	6HX	5P	5	110	17	32	9	7	10	4	DIN374	●
X20P12125	M12×1.25	6HX	5P	5	110	17	32	9	7	10	4	DIN374	●
X20P12100	M12×1	6HX	5P	5	110	17	32	9	7	10	4	DIN374	●
X20P14200	M14×2	6HX	5P	5	110	20	33	11	9	12	4	DIN376	●
X20P14150	M14×1.5	6HX	5P	5	110	20	33	11	9	12	4	DIN374	●
X20P14125	M14×1.25	6HX	5P	5	110	20	33	11	9	12	4	DIN374	●
X20P14100	M14×1	6HX	5P	5	110	20	33	11	9	12	4	DIN374	●
X20P16200	M16×2	6HX	5P	5	110	20	34	12	9	12	4	DIN376	●
X20P16150	M16×1.5	6HX	5P	5	110	20	34	12	9	12	4	DIN374	●
X20P16125	M16×1.25	6HX	5P	5	110	20	34	12	9	12	4	DIN374	●
X20P16100	M16×1	6HX	5P	5	110	20	34	12	9	12	4	DIN374	●
X20P18250	M18×2.5	6HX	5P	5	125	25	36	14	11	14	4	DIN376	●
X20P18200	M18×2	6HX	5P	5	125	25	36	14	11	14	4	DIN374	●
X20P18150	M18×1.5	6HX	5P	5	125	25	36	14	11	14	4	DIN374	●
X20P20250	M20×2.5	6HX	5P	5	140	25	44	16	12	15	4	DIN376	●
X20P20200	M20×2	6HX	5P	5	140	25	44	16	12	15	4	DIN374	○

1.以上为6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

● 最佳Best ◎ 合适Good

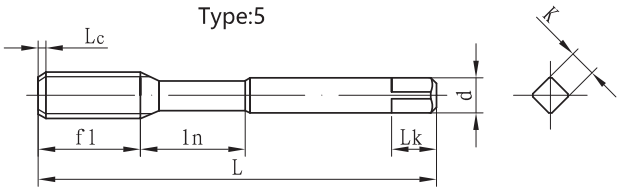
X20-POT 刃倾角丝锥

X20 SPIRAL POINTED TAPS

CPM | M | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376



Type:5



◎ 适合刚性攻牙 It is suitable for rigid tapping.

单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20P20150	M20×1.5	6HX	5P	5	140	25	44	16	12	15	4	DIN374	○
X20P22250	M22×2.5	6HX	5P	5	140	25	44	18	14.5	17	4	DIN376	○
X20P22200	M22×2	6HX	5P	5	140	25	44	18	14.5	17	4	DIN374	○
X20P22150	M22×1.5	6HX	5P	5	140	25	44	18	14.5	17	4	DIN374	○
X20P24300	M24×3	6HX	5P	5	160	30	48	18	14.5	17	4	DIN376	○
X20P24250	M24×2.5	6HX	5P	5	160	30	48	18	14.5	17	4	DIN374	○
X20P24200	M24×2	6HX	5P	5	160	30	48	18	14.5	17	4	DIN374	○
X20P27300	M27×3	6HX	5P	5	160	30	48	20	16	19	4	DIN376	○
X20P27250	M27×2.5	6HX	5P	5	160	30	48	20	16	19	4	DIN374	○
X20P27200	M27×2	6HX	5P	5	160	30	48	20	16	19	4	DIN374	○
X20P30350	M30×3.5	6HX	5P	5	180	35	53	22	18	21	4	DIN376	○
X20P30300	M30×3	6HX	5P	5	180	35	53	22	18	21	4	DIN374	○
X20P30250	M30×2.5	6HX	5P	5	180	35	53	22	18	21	4	DIN374	○
X20P30200	M30×2	6HX	5P	5	180	35	53	22	18	21	4	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

● 最佳Best ◎ 合适Good

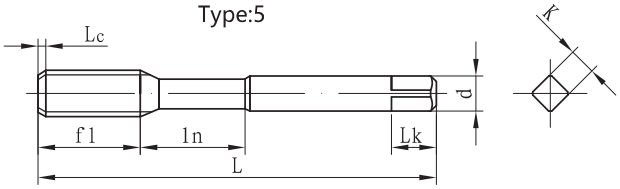
X20-RLT 左旋右切丝锥

X20 TAPS WITH LEFT-HAND SPIRAL - RIGHT CUTTING DIRECTION

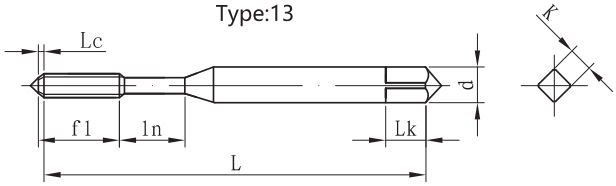
CPM | M | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376



Type:5



Type:13



单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20R06100	M6×1	6HX	5P	13	80	10	20	6	4.9	8	3	DIN371	○
X20R07100	M7×1	6HX	5P	13	80	10	20	7	5.5	8	3	DIN371	○
X20R08125	M8×1.25	6HX	5P	5	90	13	22	8	6.2	9	3	DIN371	○
X20R08100	M8×1	6HX	5P	5	90	13	22	8	6.2	9	3	DIN371	○
X20R10150	M10×1.5	6HX	5P	5	100	15	24	10	8	11	4	DIN371	○
X20R10125	M10×1.25	6HX	5P	5	100	15	24	10	8	11	4	DIN371	○
X20R10100	M10×1	6HX	5P	5	100	15	24	10	8	11	4	DIN371	○
X20R12175	M12×1.75	6HX	5P	5	110	17	32	9	7	10	4	DIN376	○
X20R12150	M12×1.5	6HX	5P	5	110	17	32	9	7	10	4	DIN374	○
X20R12125	M12×1.25	6HX	5P	5	110	17	32	9	7	10	4	DIN374	○
X20R12100	M12×1	6HX	5P	5	110	17	32	9	7	10	4	DIN374	○
X20R14200	M14×2	6HX	5P	5	110	20	33	11	9	12	5	DIN376	○
X20R14150	M14×1.5	6HX	5P	5	110	20	33	11	9	12	5	DIN374	○
X20R14125	M14×1.25	6HX	5P	5	110	20	33	11	9	12	5	DIN374	○
X20R14100	M14×1	6HX	5P	5	110	20	33	11	9	12	5	DIN374	○
X20R16200	M16×2	6HX	5P	5	110	20	34	12	9	12	5	DIN376	○
X20R16150	M16×1.5	6HX	5P	5	110	20	34	12	9	12	5	DIN374	○
X20R16125	M16×1.25	6HX	5P	5	110	20	34	12	9	12	5	DIN374	○
X20R16100	M16×1	6HX	5P	5	110	20	34	12	9	12	5	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	-	-	-	◎	◎	◎	-	-	-

● 最佳Best ◎ 合适Good

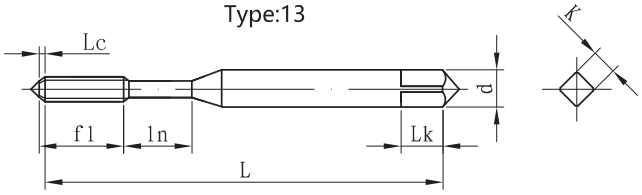
X20-HT 直槽丝锥

X20 HT STRAIGHT FLUTED TAPS

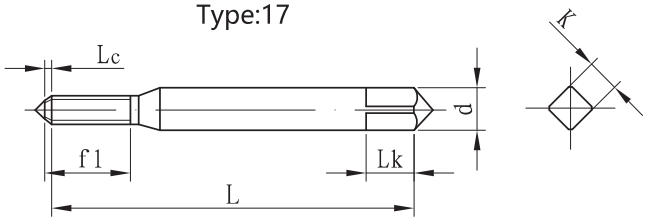
CPM | M | ISO 6H/6HX | Coating X | DIN 371



Type:13



Type:17



单位 Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20H016035	M1.6×0.35	6H	3P	17	40	8	-	2.5	2.1	3	2	DIN371	○
X20H02040	M2×0.4	6H	3P	13	45	6	7	2.8	2.1	3	2	DIN371	○
X20H025045	M2.5×0.45	6H	3P	13	50	7	8	2.8	2.1	3	2	DIN371	○
X20H03050	M3×0.5	6HX	3P	13	56	7	11	3.5	2.7	6	3	DIN371	●
X20H04070	M4×0.7	6HX	3P	13	63	9	12	4.5	3.4	6	3	DIN371	●
X20H05080	M5×0.8	6HX	3P	13	70	10	15	6	4.9	8	3	DIN371	●
X20H06100	M6×1	6HX	3P	13	80	10	20	6	4.9	8	3	DIN371	●
X20H07100	M7×1	6HX	3P	13	80	10	20	7	5.5	8	3	DIN371	○

1.以上为6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

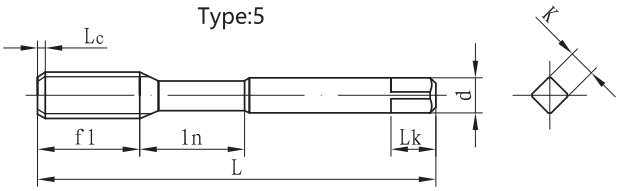
● 最佳Best ◎ 合适Good

X20-HT 直槽丝锥

X20 HT STRAIGHT FLUTED TAPS

CPM | M | ISO 6H/6HX | Coating X | DIN 371 | DIN 374 | DIN 376





单位 Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20H08125	M8×1.25	6HX	3P	5	90	13	22	8	6.2	9	4	DIN371	●
X20H08100	M8×1	6HX	3P	5	90	13	22	8	6.2	9	4	DIN371	●
X20H10150	M10×1.5	6HX	3P	5	100	15	24	10	8	11	4	DIN371	●
X20H10125	M10×1.25	6HX	3P	5	100	15	24	10	8	11	4	DIN371	●
X20H10100	M10×1	6HX	3P	5	100	15	24	10	8	11	4	DIN371	●
X20H12175	M12×1.75	6HX	3P	5	110	17	32	9	7	10	4	DIN376	●
X20H12150	M12×1.5	6HX	3P	5	110	17	32	9	7	10	4	DIN374	●
X20H12125	M12×1.25	6HX	3P	5	110	17	32	9	7	10	4	DIN374	●
X20H12100	M12×1	6HX	3P	5	110	17	32	9	7	10	4	DIN374	●
X20H14200	M14×2	6HX	3P	5	110	20	33	11	9	12	4	DIN376	●
X20H14150	M14×1.5	6HX	3P	5	110	20	33	11	9	12	4	DIN374	●
X20H14125	M14×1.25	6HX	3P	5	110	20	33	11	9	12	4	DIN374	●
X20H14100	M14×1	6HX	3P	5	110	20	33	11	9	12	4	DIN374	●
X20H16200	M16×2	6HX	3P	5	110	20	34	12	9	12	4	DIN376	●
X20H16150	M16×1.5	6HX	3P	5	110	20	34	12	9	12	4	DIN374	●
X20H16125	M16×1.25	6HX	3P	5	110	20	34	12	9	12	4	DIN374	●
X20H16100	M16×1	6HX	3P	5	110	20	34	12	9	12	4	DIN374	●
X20H18250	M18×2.5	6HX	3P	5	125	25	36	14	11	14	4	DIN376	●
X20H18200	M18×2	6HX	3P	5	125	25	36	14	11	14	4	DIN374	○
X20H18150	M18×1.5	6HX	3P	5	125	25	36	14	11	14	4	DIN374	●
X20H20250	M20×2.5	6HX	3P	5	140	25	44	16	12	15	6	DIN376	●
X20H20200	M20×2	6HX	3P	5	140	25	44	16	12	15	6	DIN374	○

1.以上为6H/6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H/6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

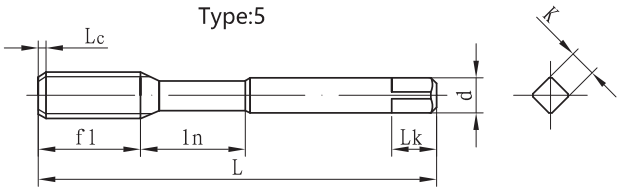
X20-HT 直槽丝锥

X20 HT STRAIGHT FLUTED TAPS

CPM | M | ISO 6H/6HX | Coating X | DIN 374 | DIN 376



Type:5



单位 Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X20H20150	M20×1.5	6HX	3P	5	140	25	44	16	12	15	6	DIN374	●
X20H22250	M22×2.5	6HX	3P	5	140	25	44	18	14.5	17	6	DIN376	●
X20H22200	M22×2	6HX	3P	5	140	25	44	18	14.5	17	6	DIN374	○
X20H22150	M22×1.5	6HX	3P	5	140	25	44	18	14.5	17	6	DIN374	○
X20H24300	M24×3	6HX	3P	5	160	30	48	18	14.5	17	6	DIN376	●
X20H24250	M24×2.5	6HX	3P	5	160	30	48	18	14.5	17	6	DIN374	○
X20H24200	M24×2	6HX	3P	5	160	30	48	18	14.5	17	6	DIN374	○
X20H27300	M27×3	6HX	3P	5	160	30	48	20	16	19	6	DIN376	○
X20H27250	M27×2.5	6HX	3P	5	160	30	48	20	16	19	6	DIN374	○
X20H27200	M27×2	6HX	3P	5	160	30	48	20	16	19	6	DIN374	○
X20H30350	M30×3.5	6HX	3P	5	180	35	53	22	18	21	6	DIN376	○
X20H30300	M30×3	6HX	3P	5	180	35	53	22	18	21	6	DIN374	○
X20H30250	M30×2.5	6HX	3P	5	180	35	53	22	18	21	6	DIN374	○
X20H30200	M30×2	6HX	3P	5	180	35	53	22	18	21	6	DIN374	○
X20H36400	M36×4	6HX	3P	5	200	50	48	28	22	25	6	DIN376	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

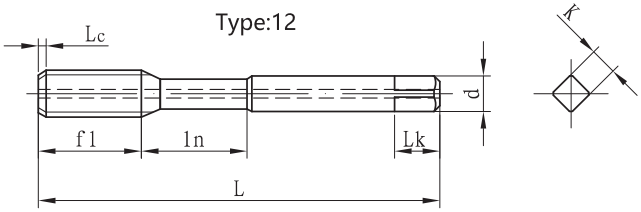
● 最佳Best ◎ 合适Good

X21-HT 内冷直槽丝锥

X21 STRAGHT FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376





单位 Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21H0407C	M4×0.7	6HX	3P	12	63	9	12	4.5	3.4	6	侧冷C	3	DIN371	○
X21H0407Z	M4×0.7	6HX	3P	12	63	9	12	4.5	3.4	6	直冷Z	3	DIN371	○
X21H0508C	M5×0.8	6HX	3P	12	70	10	15	6	4.9	8	侧冷C	3	DIN371	○
X21H0508Z	M5×0.8	6HX	3P	12	70	10	15	6	4.9	8	直冷Z	3	DIN371	○
X21H0610C	M6×1	6HX	3P	12	80	10	20	6	4.9	8	侧冷C	3	DIN371	○
X21H0610Z	M6×1	6HX	3P	12	80	10	20	6	4.9	8	直冷Z	3	DIN371	●
X21H0710C	M7×1	6HX	3P	12	80	10	20	7	5.5	8	侧冷C	3	DIN371	○
X21H0710Z	M7×1	6HX	3P	12	80	10	20	7	5.5	8	直冷Z	3	DIN371	○
X21H08125C	M8×1.25	6HX	3P	12	90	13	22	8	6.2	9	侧冷C	4	DIN371	○
X21H08125Z	M8×1.25	6HX	3P	12	90	13	22	8	6.2	9	直冷Z	4	DIN371	●
X21H0810C	M8×1	6HX	3P	12	90	13	22	8	6.2	9	侧冷C	4	DIN371	○
X21H0810Z	M8×1	6HX	3P	12	90	13	22	8	6.2	9	直冷Z	4	DIN371	○
X21H1015C	M10×1.5	6HX	3P	12	100	15	24	10	8	11	侧冷C	4	DIN371	○
X21H1015Z	M10×1.5	6HX	3P	12	100	15	24	10	8	11	直冷Z	4	DIN371	●
X21H10125C	M10×1.25	6HX	3P	12	100	15	24	10	8	11	侧冷C	4	DIN371	○
X21H10125Z	M10×1.25	6HX	3P	12	100	15	24	10	8	11	直冷Z	4	DIN371	○
X21H1010C	M10×1	6HX	3P	12	100	15	24	10	8	11	侧冷C	4	DIN371	○
X21H1010Z	M10×1	6HX	3P	12	100	15	24	10	8	11	直冷Z	4	DIN371	○
X21H12175C	M12×1.75	6HX	3P	12	110	17	32	9	7	10	侧冷C	4	DIN376	○
X21H12175Z	M12×1.75	6HX	3P	12	110	17	32	9	7	10	直冷Z	4	DIN376	●
X21H1215C	M12×1.5	6HX	3P	12	110	17	32	9	7	10	侧冷C	4	DIN374	○
X21H1215Z	M12×1.5	6HX	3P	12	110	17	32	9	7	10	直冷Z	4	DIN374	○
X21H12125C	M12×1.25	6HX	3P	12	110	17	32	9	7	10	侧冷C	4	DIN374	○
X21H12125Z	M12×1.25	6HX	3P	12	110	17	32	9	7	10	直冷Z	4	DIN374	○
X21H1210C	M12×1	6HX	3P	12	110	17	32	9	7	10	侧冷C	4	DIN374	○
X21H1210Z	M12×1	6HX	3P	12	110	17	32	9	7	10	直冷Z	4	DIN374	○
X21H1420C	M14×2	6HX	3P	12	110	20	33	11	9	12	侧冷C	4	DIN376	○
X21H1420Z	M14×2	6HX	3P	12	110	20	33	11	9	12	直冷Z	4	DIN376	●
X21H1415C	M14×1.5	6HX	3P	12	110	20	33	11	9	12	侧冷C	4	DIN374	○
X21H1415Z	M14×1.5	6HX	3P	12	110	20	33	11	9	12	直冷Z	4	DIN374	●

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

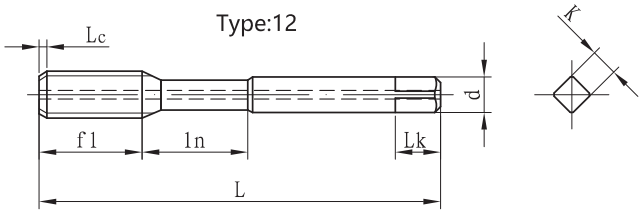
● 最佳Best ◎ 合适Good

X21-HT 内冷直槽丝锥

X21 STRAGHT FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21H14125C	M14×1.25	6HX	3P	12	110	20	33	11	9	12	侧冷C	4	DIN374	○
X21H14125Z	M14×1.25	6HX	3P	12	110	20	33	11	9	12	直冷Z	4	DIN374	○
X21H1410C	M14×1	6HX	3P	12	110	20	33	11	9	12	侧冷C	4	DIN374	○
X21H1410Z	M14×1	6HX	3P	12	110	20	33	11	9	12	直冷Z	4	DIN374	○
X21H1620C	M16×2	6HX	3P	12	110	20	34	12	9	12	侧冷C	4	DIN376	○
X21H1620Z	M16×2	6HX	3P	12	110	20	34	12	9	12	直冷Z	4	DIN376	●
X21H1615C	M16×1.5	6HX	3P	12	110	20	34	12	9	12	侧冷C	4	DIN374	○
X21H1615Z	M16×1.5	6HX	3P	12	110	20	34	12	9	12	直冷Z	4	DIN374	●
X21H16125C	M16×1.25	6HX	3P	12	110	20	34	12	9	12	侧冷C	4	DIN374	○
X21H16125Z	M16×1.25	6HX	3P	12	110	20	34	12	9	12	直冷Z	4	DIN374	○
X21H1610C	M16×1	6HX	3P	12	110	20	34	12	9	12	侧冷C	4	DIN374	○
X21H1610Z	M16×1	6HX	3P	12	110	20	34	12	9	12	直冷Z	4	DIN374	○
X21H1825C	M18×2.5	6HX	3P	12	125	25	36	14	11	14	侧冷C	4	DIN376	○
X21H1825Z	M18×2.5	6HX	3P	12	125	25	36	14	11	14	直冷Z	4	DIN376	○
X21H1820C	M18×2	6HX	3P	12	125	25	36	14	11	14	侧冷C	4	DIN374	○
X21H1820Z	M18×2	6HX	3P	12	125	25	36	14	11	14	直冷Z	4	DIN374	○
X21H1815C	M18×1.5	6HX	3P	12	125	25	36	14	11	14	侧冷C	4	DIN374	○
X21H1815Z	M18×1.5	6HX	3P	12	125	25	36	14	11	14	直冷Z	4	DIN374	○
X21H2025C	M20×2.5	6HX	3P	12	140	25	44	16	12	15	侧冷C	6	DIN376	○
X21H2025Z	M20×2.5	6HX	3P	12	140	25	44	16	12	15	直冷Z	6	DIN376	○
X21H2020C	M20×2	6HX	3P	12	140	25	44	16	12	15	侧冷C	6	DIN374	○
X21H2020Z	M20×2	6HX	3P	12	140	25	44	16	12	15	直冷Z	6	DIN374	○
X21H2015C	M20×1.5	6HX	3P	12	140	25	44	16	12	15	侧冷C	6	DIN374	○
X21H2015Z	M20×1.5	6HX	3P	12	140	25	44	16	12	15	直冷Z	6	DIN374	○
X21H2225C	M22×2.5	6HX	3P	12	140	25	44	18	14.5	17	侧冷C	6	DIN376	○
X21H2225Z	M22×2.5	6HX	3P	12	140	25	44	18	14.5	17	直冷Z	6	DIN376	○
X21H2220C	M22×2	6HX	3P	12	140	25	44	18	14.5	17	侧冷C	6	DIN374	○
X21H2220Z	M22×2	6HX	3P	12	140	25	44	18	14.5	17	直冷Z	6	DIN374	○
X21H2215C	M22×1.5	6HX	3P	12	140	25	44	18	14.5	17	侧冷C	6	DIN374	○
X21H2215Z	M22×1.5	6HX	3P	12	140	25	44	18	14.5	17	直冷Z	6	DIN374	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

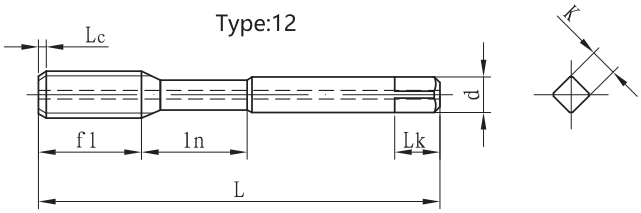
X21-HT 内冷直槽丝锥

X21 STRAGHT FLUTED TAPS WITH INTERNAL COOLANT

CPM | M | Oilhole | Oilhole | ISO 6HX | Coating X | DIN 371 | DIN 374 | DIN 376



Type:12



单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸 (mm) Dimensions						油孔型式 Oil groove type	槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk				
X21H2430C	M24×3	6HX	3P	12	160	30	48	18	14.5	17	侧冷C	6	DIN376	○
X21H2430Z	M24×3	6HX	3P	12	160	30	48	18	14.5	17	直冷Z	6	DIN376	○
X21H2425C	M24×2.5	6HX	3P	12	160	30	48	18	14.5	17	侧冷C	6	DIN374	○
X21H2425Z	M24×2.5	6HX	3P	12	160	30	48	18	14.5	17	直冷Z	6	DIN374	○
X21H2420C	M24×2	6HX	3P	12	160	30	48	18	14.5	17	侧冷C	6	DIN374	○
X21H2420Z	M24×2	6HX	3P	12	160	30	48	18	14.5	17	直冷Z	6	DIN374	○
X21H2730C	M27×3	6HX	3P	12	160	30	48	20	16	19	侧冷C	6	DIN376	○
X21H2730Z	M27×3	6HX	3P	12	160	30	48	20	16	19	直冷Z	6	DIN376	○
X21H2725C	M27×2.5	6HX	3P	12	160	30	48	20	16	19	侧冷C	6	DIN374	○
X21H2725Z	M27×2.5	6HX	3P	12	160	30	48	20	16	19	直冷Z	6	DIN374	○
X21H2720C	M27×2	6HX	3P	12	160	30	48	20	16	19	侧冷C	6	DIN374	○
X21H2720Z	M27×2	6HX	3P	12	160	30	48	20	16	19	直冷Z	6	DIN374	○
X21H3035C	M30×3.5	6HX	3P	12	180	35	53	22	18	21	侧冷C	6	DIN376	○
X21H3035Z	M30×3.5	6HX	3P	12	180	35	53	22	18	21	直冷Z	6	DIN376	○
X21H3030C	M30×3	6HX	3P	12	180	35	53	22	18	21	侧冷C	6	DIN374	○
X21H3030Z	M30×3	6HX	3P	12	180	35	53	22	18	21	直冷Z	6	DIN374	○
X21H3025C	M30×2.5	6HX	3P	12	180	35	53	22	18	21	侧冷C	6	DIN374	○
X21H3025Z	M30×2.5	6HX	3P	12	180	35	53	22	18	21	直冷Z	6	DIN374	○
X21H3020C	M30×2	6HX	3P	12	180	35	53	22	18	21	侧冷C	6	DIN374	○
X21H3020Z	M30×2	6HX	3P	12	180	35	53	22	18	21	直冷Z	6	DIN374	○
X21H3640C	M36×4	6HX	3P	12	200	50	48	28	22	25	侧冷C	6	DIN376	○
X21H3640Z	M36×4	6HX	3P	12	200	50	48	28	22	25	直冷Z	6	DIN376	○

1.以上为6HX精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6HX standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

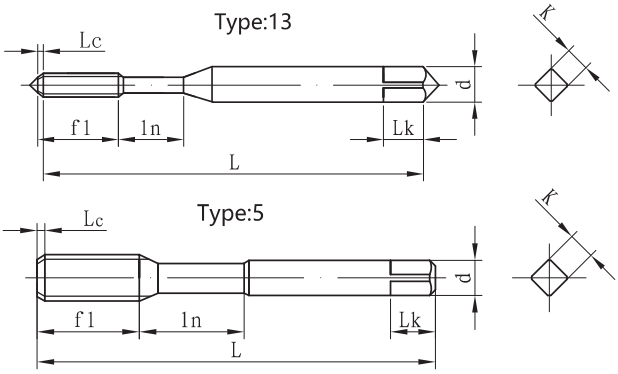
● 最佳Best ◎ 合适Good

X10-SFT 螺旋丝锥

X10 SPIRAL FLUTED TAPS

CPS M ISO 6H DIN





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X10S03050	M3×0.5	6H	2.5P	13	56	7	11	3.5	2.7	6	3	DIN371	●
X10S04070	M4×0.7	6H	2.5P	13	63	9	12	4.5	3.4	6	3	DIN371	●
X10S05080	M5×0.8	6H	2.5P	13	70	10	15	6	4.9	8	3	DIN371	●
X10S06100	M6×1	6H	2.5P	13	80	10	20	6	4.9	8	3	DIN371	●
X10S07100	M7×1	6H	2.5P	13	80	10	20	7	5.5	8	3	DIN371	●
X10S08125	M8×1.25	6H	2.5P	5	90	13	22	8	6.2	9	3	DIN371	●
X10S08100	M8×1	6H	2.5P	5	90	13	22	8	6.2	9	3	DIN371	●
X10S10150	M10×1.5	6H	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X10S10125	M10×1.25	6H	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X10S10100	M10×1	6H	2.5P	5	100	15	24	10	8	11	3	DIN371	●
X10S12175	M12×1.75	6H	2.5P	5	110	17	32	9	7	10	3	DIN376	●
X10S12150	M12×1.5	6H	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X10S12125	M12×1.25	6H	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X10S12100	M12×1	6H	2.5P	5	110	17	32	9	7	10	3	DIN374	●
X10S14200	M14×2	6H	2.5P	5	110	20	33	11	9	12	4	DIN376	●
X10S14150	M14×1.5	6H	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X10S14125	M14×1.25	6H	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X10S14100	M14×1	6H	2.5P	5	110	20	33	11	9	12	4	DIN374	●
X10S16200	M16×2	6H	2.5P	5	110	20	34	12	9	12	4	DIN376	●
X10S16150	M16×1.5	6H	2.5P	5	110	20	34	12	9	12	4	DIN374	●
X10S16125	M16×1.25	6H	2.5P	5	110	20	34	12	9	12	4	DIN374	●
X10S16100	M16×1	6H	2.5P	5	110	20	34	12	9	12	4	DIN374	●

1.以上为6H精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

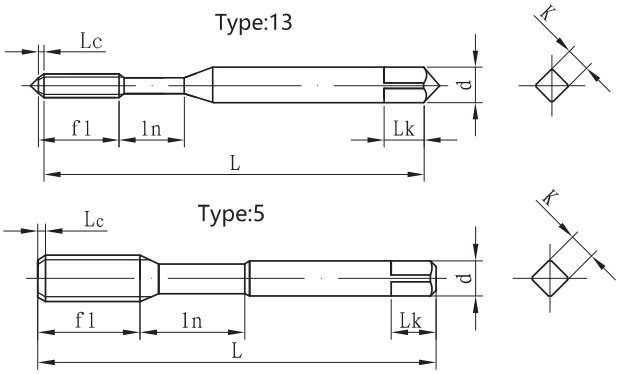
● 最佳Best ◎ 合适Good

X10-POT 刃倾角丝锥

X10 SPIRAL POINTED TAPS

CPS M ISO 6H DIN





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X10P03050	M3×0.5	6H	5P	13	56	7	11	3.5	2.7	6	3	DIN371	○
X10P04070	M4×0.7	6H	5P	13	63	9	12	4.5	3.4	6	3	DIN371	○
X10P05080	M5×0.8	6H	5P	13	70	10	15	6	4.9	8	3	DIN371	○
X10P06100	M6×1	6H	5P	13	80	10	20	6	4.9	8	3	DIN371	○
X10P07100	M7×1	6H	5P	13	80	10	20	7	5.5	8	3	DIN371	○
X10P08125	M8×1.25	6H	5P	5	90	13	22	8	6.2	9	3	DIN371	○
X10P08100	M8×1	6H	5P	5	90	13	22	8	6.2	9	3	DIN371	○
X10P10150	M10×1.5	6H	5P	5	100	15	24	10	8	11	3	DIN371	○
X10P10125	M10×1.25	6H	5P	5	100	15	24	10	8	11	3	DIN371	○
X10P10100	M10×1	6H	5P	5	100	15	24	10	8	11	3	DIN371	○
X10P12175	M12×1.75	6H	5P	5	110	17	32	9	7	10	4	DIN376	○
X10P12150	M12×1.5	6H	5P	5	110	17	32	9	7	10	4	DIN374	○
X10P12125	M12×1.25	6H	5P	5	110	17	32	9	7	10	4	DIN374	○
X10P12100	M12×1	6H	5P	5	110	17	32	9	7	10	4	DIN374	○
X10P14200	M14×2	6H	5P	5	110	20	33	11	9	12	4	DIN376	○
X10P14150	M14×1.5	6H	5P	5	110	20	33	11	9	12	4	DIN374	○
X10P14125	M14×1.25	6H	5P	5	110	20	33	11	9	12	4	DIN374	○
X10P14100	M14×1	6H	5P	5	110	20	33	11	9	12	4	DIN374	○
X10P16200	M16×2	6H	5P	5	110	20	34	12	9	12	4	DIN376	○
X10P16150	M16×1.5	6H	5P	5	110	20	34	12	9	12	4	DIN374	○
X10P16125	M16×1.25	6H	5P	5	110	20	34	12	9	12	4	DIN374	○
X10P16100	M16×1	6H	5P	5	110	20	34	12	9	12	4	DIN374	○

1.以上为6H精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
●	●	●	●	●	-	-	●	●	●	-	-	-

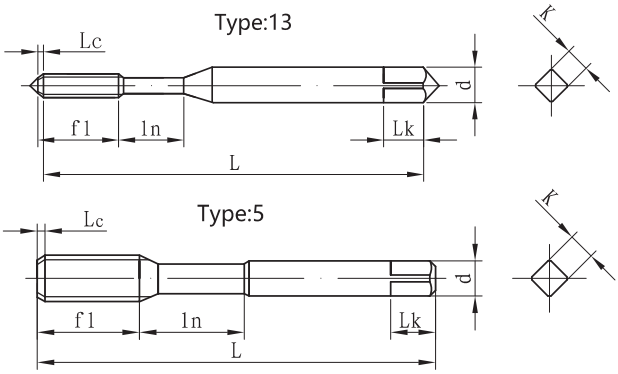
● 最佳Best ◎ 合适Good

X10-HT 直槽丝锥

X10 STRAIGHT FLUTED TAPS

CPS M ISO 6H DIN





单位Unit:mm

商品编号 EDP No.	螺纹尺寸 Thread Size	精度 Limit	切削锥长 LC	形状类型 Type	形状尺寸(mm) Dimensions						槽数 Flutes	外形标准 DIN Standard	库存 Stock
					全长 L	螺纹长 fl	颈长 ln	柄径 d	方身宽 k	方身长 Lk			
X10H03050	M3×0.5	6H	3P	13	56	7	11	3.5	2.7	6	3	DIN371	○
X10H04070	M4×0.7	6H	3P	13	63	9	12	4.5	3.4	6	3	DIN371	○
X10H05080	M5×0.8	6H	3P	13	70	10	15	6	4.9	8	3	DIN371	○
X10H06100	M6×1	6H	3P	13	80	10	20	6	4.9	8	3	DIN371	○
X10H07100	M7×1	6H	3P	13	80	10	20	7	5.5	8	3	DIN371	○
X10H08125	M8×1.25	6H	3P	5	90	13	22	8	6.2	9	4	DIN371	○
X10H08100	M8×1	6H	3P	5	90	13	22	8	6.2	9	4	DIN371	○
X10H10150	M10×1.5	6H	3P	5	100	15	24	10	8	11	4	DIN371	○
X10H10125	M10×1.25	6H	3P	5	100	15	24	10	8	11	4	DIN371	○
X10H10100	M10×1	6H	3P	5	100	15	24	10	8	11	4	DIN371	○
X10H12175	M12×1.75	6H	3P	5	110	17	32	9	7	10	4	DIN376	○
X10H12150	M12×1.5	6H	3P	5	110	17	32	9	7	10	4	DIN374	○
X10H12125	M12×1.25	6H	3P	5	110	17	32	9	7	10	4	DIN374	○
X10H12100	M12×1	6H	3P	5	110	17	32	9	7	10	4	DIN374	○
X10H14200	M14×2	6H	3P	5	110	20	33	11	9	12	4	DIN376	○
X10H14150	M14×1.5	6H	3P	5	110	20	33	11	9	12	4	DIN374	○
X10H14125	M14×1.25	6H	3P	5	110	20	33	11	9	12	4	DIN374	○
X10H14100	M14×1	6H	3P	5	110	20	33	11	9	12	4	DIN374	○
X10H16200	M16×2	6H	3P	5	110	20	34	12	9	12	4	DIN376	○
X10H16150	M16×1.5	6H	3P	5	110	20	34	12	9	12	4	DIN374	○
X10H16125	M16×1.25	6H	3P	5	110	20	34	12	9	12	4	DIN374	○
X10H16100	M16×1	6H	3P	5	110	20	34	12	9	12	4	DIN374	○

1.以上为6H精度，其他精度及特殊的切削锥长(引导牙),部分规格有库存,也可接受定制,详情请咨询圆兴各销售点。
Tolerances under 6H standard. Other tolerances and Special tap chamfer custom are available. More details, Please check with point of sales.
2. 库存说明:●表示有库存,○表示无库存,可接受定制
Inventory Description: ● means in stock, ○ means no stock, customization is acceptable
3.底孔尺寸请参照P30-36
The drill hole diameter please see P30-36

P	P	P	合金钢 SCM	M	K	K	N	N	N	S	S	H
低碳钢	中碳钢	高碳钢	HRC35以下	不锈钢SUS	铸铁FC	球墨铁FCD	铝AL	铜/紫铜Cu	铸铝ADC	钛合金Ti	镍基合金Ni	HRC35以上
-	-	-	-	-	●	●	-	-	-	-	-	-

● 最佳Best ◎ 合适Good

挤压丝锥螺纹下孔径表

Recommended Drill Hole Size For Forming Taps

公制螺纹 Metric Screw Threads（NRT）

单位 Unit:mm

螺纹尺寸 Thread Size	1级螺纹用下孔径for JIS class 1 drill hole dia		2级螺纹用下孔径for JIS class 2 drill hole dia	
	RH	最小MIN～最大MAX	RH	最小MIN～最大MAX
	精度 Precision	(嵌合率%) Thread Overlap Ratio:%	精度 Precision	(嵌合率%) Thread Overlap Ratio:%
M1 ×0.25	2	0.87~0.89[100~85)	4	0.90~0.92(100~80)
M1.2×0.25	2	1.07~1.09 (100~85)	4	1.10~1.12 (100~80)
M1.4×0.3	2	1.244~1.263(100~85)	4	1.270~1.294(100~80)
M1.6×0.35	2	1.40~1.44 (100~80)	4	1.44 ~1.48 (100~75)
M1.7 ×0.35	2	1.51~1.54 (100~80)	4	1.54 ~1.58 (100~75)
M2×0.4	2	1.78~1.82(100~80)	4	1.81~1.85(100~75)
M2.3×0.4	2	2.08~2.12 (100~80)	4	2.11~2.15(100~75)
M2.5 ×0.45	2	2.25~2.29 (100~80)	4	2.28~2.33(100~75)
M2.6×0.45	2	2.35~2.39 (100~80)	4	2.38~2.43(100~75)
M3×0.5	3	2.74~2.78 (100~80)	5	2.76~2.81(100~75)
M3.5×0.6	3	3.18 ~3.21 (100~85)	5	3.20~3.26 (100~75)
M4 ×0.7	4	3.63~3.67(100~85)	6	3.65~3.70(100~85)
M5 ×0.8	4	4.57~4.62(100~85)	6	4.59~4.66 (100~80)
M6×1.0	4	5.45~5.51(100~85)	7	5.48~5.57(100~80)
M7 ×1.0	4	6.45~6.51(100~85)	7	6.48~6.57(100~80)
M8 ×1.25	5	7.31~7.38 (100~85)	7	7.34~7.41 (100~85)
M10 ×1.5	5	9.16~9.22 (100~90)	7	9.18~9.28(100~85)
M12 ×1.75	5	11.01~11.08(100~90)	8	11.05~11.15(100~85)
M14×2.0	6	12.83~12.95(100~90)	10	12.92~13.04(100~85)
M16×2.0	6	14.87~14.95(100~90)	10	14.92~15.04(100~85)

挤压丝锥螺纹下孔径表

Recommended Drill Hole Size For Forming Taps

美制螺纹 Unified Coarse Screw threads(NRT)

单位 Unit:mm

螺纹尺寸 Thread Size	2B级螺纹用下孔径for class 2B drill hole dia				3B级螺纹用下孔径for class 3B drill hole dia	
	外径 Major Diameter	牙距 pitch Thread	RH 精度 Precision	最小MIN～最大MAX (嵌合率%) Thread Overlap Ratio:%	RH 精度 Precision	最小MIN～最大MAX (嵌合率%) Thread Overlap Ratio:%
NO.0～80UNF	1.524	0.3175	4	1.38～1.41(100～65)	3	1.36～1.40(100～65)
1～72UNF	1.854	0.3528	4	1.68～1.72(100～65)	3	1.67～1.71(100～65)
1～64UNC	1.854	0.3969	4	1.66～1.70(100～65)	3	1.65～1.69(100～65)
2～56UNC	2.184	0.4536	4	1.96～2.02(100～65)	3	1.95～2.01 (100～65)
2～64UNF	2.184	0.3969	4	1.98～2.04 (100～65)	3	1.97～2.03 (100～65)
3～48UNC	2.514	0.5292	4	2.25～2.32(100～65)	3	2.23～2.31(100～65)
3～56UNF	2.514	0.4536	4	2.29～2.35 (100～65)	3	2.28～2.34 (100～65)
4～40UNC	2.844	0.635	5	2.52～2.60 (100～70)	3	2.50～2.58 (100～70)
4～48UNF	2.844	0.5292	4	2.57～2.64 (100～70)	3	2.56～2.63 (100～70)
6～32UNC	3.504	0.7938	5	3.09～3.17 (100～75)	3	3.06～3.14 (100～75)
6～40UNF	3.504	0.635	5	3.19～3.26(100～70)	3	3.16～3.22 (100～75)
8～32UNC	4.164	0.7938	6	3.75～3.83 (100～75)	4	3.74～3.82(100～75)
8～36UNF	4.164	0.7056	5	3.80～3.88 (100～75)	4	3.79～3.86 (100～75)
10～24UNC	4.824	1.0583	6	4.26～4.35 (100～80)	4	4.24～4.32(100～80)
10～32UNF	4.824	0.7938	5	4.41～4.48 (100～80)	4	4.40～4.46 (100～80)
12～24UNC	5.484	1.0583	6	4.92～5.01 (100～8O)	4	4.90～4.96(100～85)
12～28UNF	5.484	0.9071	5	5.00～5.08 (100～80)	4	4.99～5.06(100～80)
1/4～20UNC	6.35	1.27	6	5.66～5.76(100～80)	4	5.64～5.74 (100～80)
1/4～28UNF	6.35	0.9071	5	5.86～5.93 (100～80)	4	5.85～5.92 (100～80)
5/16～18UNC	7.9375	1.4111	7	7.18～7.29 (100～80)	5	7.15～7.24 (100～85)
5/16～24UNF	7.9375	1.0583	6	7.38～7.46(100～80)	5	7.36～7.43 (100～85)
3/8～16UNC	9.525	1.5875	7	8.66～8.78 (100～80)	5	8.63～8.73 (100～85)
3/8～24UNF	9.525	1.0583	6	8.96～9.05 (100～80)	5	8.95～9.02 (100～85)
7/16～14UNC	11.1125	1.814	7	10.11～10.25(100～80)	5	10.08～10.19[100～85)
7/16～20UNF	11.1125	1.27	7	10.44～10.54 (100～80)	5	10.41～10.49(100～85)
1/2～13UNC	12.7	1.9538	8	11.62～11.78 (100～80)	6	11.60～11.68 (100～90)
1/2～20UNF	12.7	1.27	7	12.02～12.12(100～80)	5	12.00～12.05 (100～90)
5/8～11UNC	15.875	2.3091	11	14.62～14.76(100～85)	8	14.58～14.67(100～90)
5/8～18UNF	15.875	1.4111	9	15.14～15.25 (100～80)	7	15.11～15.17 (100～90)

切削丝锥螺纹下孔径表

Recommended Drill Hole Size For Cutting Taps

公制螺纹 Metric Screw Threads

单位 Unit:mm

公制螺纹规格 Specification (M)		标准径 Standard Hole Dia	2级牙钻孔径For JIS Class2 Drill Hole Dia	
			最大Max	最小Min
M1	0.25	0.75	0.785	0.729
M1.1	0.25	0.85	0.885	0.829
M1.2	0.25	0.95	0.985	0.929
M1.4	0.3	1.1	1.142	1.075
M1.6	0.35	1.25	1.321	1.221
M1.7	0.35	1.35	1.421	1.321
M1.8	0.35	1.45	1.521	1.421
M2	0.4	1.6	1.679	1.567
M2.2	0.45	1.75	1.838	1.713
M2.3	0.4	1.9	1.979	1.867
M2.5	0.45	2.1	2.138	2.013
M2.6	0.45	2.2	2.238	2.113
M3	0.5	2.5	2.599	2.459
M3.5	0.6	2.9	3.01	2.85
M4	0.7	3.3	3.422	3.242
M4.5	0.75	3.8	3.878	3.688
M5	0.8	4.2	4.334	4.134
M6	1	5	5.153	4.917
M7	1	6	6.153	5.917
M8	1.25	6.8	6.912	6.647
M8	1	7	7.153	6.917
M9	1.25	7.8	7.912	7.647
M10	1.5	8.5	8.676	8.376
M10	1.25	8.8	8.912	8.647
M10	1	9	9.153	8.917
M11	1.5	9.5	9.676	9.376
M12	1.75	10.3	10.441	10.106
M12	1.5	10.5	10.676	10.376
M12	1.25	10.8	10.912	10.647
M12	1.0	11	11.153	10.917
M14	2.0	12	12.21	11.835
M14	1.5	12.5	12.676	12.376
M14	1.0	13	13.153	12.917
M16	2.0	14	14.21	13.835
M16	1.5	14.5	14.676	14.376
M16	1.0	15	15.153	14.917

切削丝锥螺纹下孔径表

Recommended Drill Hole Size For Cutting Taps

美制粗牙螺纹规格 Unified Coarse Screw threads

单位 Unit:mm

美制粗螺纹规格 Specification (UNC)		标准径 Standard Hole Dia	2级牙钻孔径For Class2 Drill Hole Dia	
			最大Max	最小Min
NO.1	-64	1.55	1.582	1.425
NO.2	-56	1.8	1.871	1.695
NO.3	-48	2.05	2.146	1.941
NO.4	-40	2.3	2.385	2.157
NO.5	-40	2.6	2.697	2.487
NO.6	-32	2.8	2.895	2.642
NO.8	-32	3.4	3.53	3.302
NO.10	-24	3.9	3.962	3.683
N0.12	-24	4.5	4.597	4.344
1/4	-20	5.1	5.257	4.979
5/16	-18	6.6	6.731	6.401
3/8	-16	8	8.153	7.798
7/16	-14	9.4	9.55	9.144
1/2	-13	10.9	11.023	10.592
9/16	-12	12.2	12.466	11.989
5/8	-11	13.6	13.868	13.386

美制细牙螺纹规格 Unified Coarse Screw threads

单位 Unit:mm

规　格 Specification (UNF)		标准径 Standard Hole Dia	2级牙钻孔径For Class2 Drill Hole Dia	
			最大Max	最小Min
NO.0	-80	1.25	1.305	1.182
NO.1	-72	1.55	1.612	1.474
NO.2	-64	1.85	1.912	1.756
NO.3	-56	2.1	2.197	2.025
NO.4	-48	2.4	2.458	2.271
NO.5	-44	2.7	2.74	2.551
NO.6	-40	2.9	3.022	2.82
NO.8	-36	3.5	3.606	3.404
NO.10	-32	4.1	4.165	3.963
NO.12	-28	4.6	4.724	4.496
1/4	-28	5.5	5.588	5.36
5/16	-24	6.9	7.035	6.782
3/8	-24	8.5	8.636	8.382
7/16	-20	9.90	10.033	9.729
1/2	-20	11.5	11.607	11.329
9/16	-18	12.9	13.081	12.751
5/8	-18	14.5	14.681	14.351

护套切削丝锥螺纹下孔径表

Recommended Drill Hole Size For STI Cutting Taps

公制螺纹 Metric Screw Threads

单位Unit:mm

粗牙 螺纹规格 Specification (M)	底孔直径drilling size		钻头直径 Suitable Drill dia.	细牙 螺纹规格 Specification (M)	底孔直径drilling size		钻头直径 Suitable Drill dia.
	最小尺寸 Min.	最大尺寸Max.			最小尺寸 Min.	最大尺寸Max.	
ST2.5×0.45	2.6	2.69	2.65	ST10×1	10.25	10.4	10.3
ST2.6×0.45	2.7	2.79	2.75	ST10×1.25	10.31	10.48	10.4
ST3×0.5	3.12	3.2	3.15	ST 12×1.25	12.28	12.48	12.4
ST4×0.7	4.17	4.3	4.25	ST 12×1.5	12.33	12.56	12.5
ST5×0.8	5.18	5.33	5.25	ST14×1.5	14.33	14.56	14.5
ST6×1	6.22	6.4	6.3	ST16×1.5	16.33	16.56	16.5
ST8×1.25	8.28	8.48	8.4	ST18×1.5	18.33	18.56	18.5
ST10×1.5	10.33	10.56	10.45	ST20×1.5	20.33	20.56	20.5
ST12×1.75	12.38	12.64	12.5	ST20×2	20.44	20.73	20.5
ST14×2	14.44	14.73	14.6	ST22×1.5	22.33	22.56	22.5
ST16×2	16.44	16.73	16.66	ST24×1.5	24.33	24.56	24.5
ST18×2.5	18.55	18.89	18.87	ST24×2	24.44	24.73	24.6
ST20×2.5	20.55	20.89	20.07	ST27×1.5	27.33	27.56	27.4
ST22×2.5	22.55	22.89	22.7	ST30×1.5	30.33	30.56	30.5
ST24×3	24.65	25.05	24.8				
ST27×3	27.65	28.05	27.8				
ST30×3.5	30.76	31.2	31				

美制螺纹 Unified Coarse Screw threads

单位 Unit:mm

粗牙 螺纹规格 Specification (U)	底孔直径drilling size		钻头直径 Suitable Drill dia.	细牙 螺纹规格 Specification (U)	底孔直径drilling size		钻头直径 Suitable Drill dia.
	最小尺寸 Min.	最大尺寸Max.			最小尺寸 Min.	最大尺寸Max.	
STNO.2-56UNC	2.29	2.44	2.35	STNO.4-48UNF	2.97	3.15	3.05
STNO.3-48	2.64	2.83	2.75	STNO.6-40	3.66	3.81	3.75
STNO.4-40	2.99	3.18	3.1	STNO.8- 36	4.33	4.49	4.4
STNO.5-40	3.31	3.52	3.4	STNO.10- 32	5	4.18	5.1
STNO.6-32	3.68	3.87	3.75	ST1/4-28	6.55	6.72	6.65
STNO.8-32	4.33	4.52	4.45	ST5/16-24	8.17	8.35	8.25
STNO.10-24	5.06	5.25	5.2	ST3/8-24	9.78	9.96	9.85
STNO.12-24	5.72	5.92	5.8	ST7/16-20	11.39	11.58	11.5
ST1/4 - 20	6.63	6.86	6.75	ST1/2-20	12.98	13.17	13.1
ST5/16-18	8.33	8.48	8.4	ST9/16-18	14.58	14.8	14.7
ST3/8 - 16	9.87	10.12	10	ST5/8-18	16.18	16.38	16.3
ST7/16-14	11.51	11.78	11.65	ST3/4-16	19.4	19.6	19.5
ST1/2 -13	13.13	13.39	13.3	ST7/8-14	22.62	22.84	22.7
ST9/16-12	14.74	15.05	14.9	ST1-12	25.86	26.11	26

管螺纹底孔直径表

Recommended Drill Hole Size For Pipe Threads

英制锥管 Tapered pipe threads

单位 Unit:mm

管用螺纹尺寸		锥管内螺纹Rc(PT)		平行内螺纹Rp (PS)	
规格	外径	计算值	底孔直径	计算值	底孔直径
1/16	7.723	6.23	6.2	6.49	6.5
1/8	9.728	8.235	8.2	8.495	8.5
1/4	13.157	10.941	10.9	11.341	11.4
3/8	16.662	14.428	14.4	14.846	14.9
1/2	20.955	17.95	18	18.489	18.5
3/4	26.441	23.349	23	23.975	24
1	33.249	29.423	29	30.111	30
1-1/4	41.91	37.94	38	38.772	39
1-1/2	47.803	43.833	44	44.565	45
2	59.614	55.412	55	56.476	56

英制圆柱管螺纹 G(PF) cylindrical pipe threads

单位 Unit:mm

规格	大径	最大底孔径	最大底孔径
1/16	7.723	6.561	6.843
1/8	9.728	8.566	8.848
1/4	13.157	11.445	11.89
3/8	16.662	14.95	15.395
1/2	20.955	18.631	19.172
3/4	26.441	24.117	24.658
1	33.249	30.291	30.931
1-1/4	41.91	38.952	39.592
1-1/2	47.803	44.845	45.485
2	59.614	56.656	57.296

美标管用螺纹NPT NPSC

单位 Unit:mm

螺纹尺寸		锥管螺纹 (NPT)				平行螺纹	
		钻头直径					
规格	外径	使用铰刀时		不使用铰刀时		钻头直径	
1/16	7.77	—	5.94		6.15		6.35
1/8	10.117	21/64	8.33		8.43		8.74
1/4	13.426	27/64	10.72	7/16	11.13	7/16	11.13
3/8	16.866	9/16	14.27	9/16	14.27	44820	14.68
1/2	20.98	11/16	17.48	45/64	17.86	23/32	18.26
3/4	26.325	57/64	22.63	29/32	23.01	59/64	23.42
1	32.934	1-1/8	28.58	1-9/64	28.98	1-5/32	29.36
1-1/4	41.689	1-15/32	37.31	1-31/64	37.69	1-1/2	38.1
1-1/2	47.76	1-45/64	43.26	1-23/32	43.66	1-3/4	44.45
2	59.797	2-11/64	55.17	2-3/16	55.58	2-7/32	56.36

航空航天用丝锥螺纹下孔径表

UNJ thread for aircraft and aerospace industry

单位 Unit:mm

规格 Specification	推荐底孔径 Recommend drill hole dia	3B级用 3B drill hole dia	
		最小 Min	最大 Max
NO.6 - 32UNJC	2.84	2.74	2.93
6 - 40UNJF	2.97	2.89	3.05
8 - 32UNJC	3.5	3.4	3.59
8 - 36UNJF	3.57	3.48	3.66
10 - 24UNJC	3.93	3.8	4.06
10 - 32UNJF	4.16	4.06	4.25
1/4 - 20UNJC	5.25	5.12	5.38
1/4 - 28UNJF	5.57	5.47	5.66
5/16 - 18UNJC	6.7	6.57	6.83
5/16 - 24UNJF	7.01	6.91	7.1
3/8 - 16UNJC	8.12	7.98	8.25
3/8 - 24UNJF	8.59	8.5	8.67
7/16 - 14UNJC	9.49	9.35	9.63
7/16 - 20UNJF	9.98	9.88	10.08
1/2 - 13UNJC	10.95	10.8	11.09
1/2 - 20UNJF	11.57	11.47	11.66

山数牙距、外径换算表

Pitch and Major Diameter Conversion Table

山数牙距换算表 CONVERSION TABLE

山数(每25.4mm)Threads per inch	牙距(mm) Pitch of Thread
100	0.254
80	0.3175
72	0.3528
64	0.3969
60	0.4233
56	0.4536
48	0.5292
44	0.5773
40	0.635
36	0.7056
32	0.7938
28	0.9071
24	1.0583
20	1.27
18	1.4111
16	1.5875
14	1.8143
13	1.9538
12	2.1167

美制螺纹外径公制(mm)换算表 UNC external diameter conversion table

规　格 Specification (UNC)	英寸 Inch	公制(mm) Metric
NO. 0	0.06	1.524
1	0.073	1.854
2	0.086	2.184
3	0.099	2.515
4	0.112	2.845
5	0.125	3.175
6	0.138	3.505
8	0.164	4.166
10	0.19	4.826
12	0.216	5.486

螺纹工具切削速度表及计算公式

Recommended Tapping Speeds & Calculation Formula

螺纹工具切削速度表 Tapping Speed

单位:m/min Unit:m/min

系列类别/被削材 Series/Work Materials	低碳钢、中碳钢 Low Carbon Steel Mediun Carbon Steel	高碳钢、合金钢 High Carbon Steel Alloy Steel	调质钢 HRC30-35 Hardened Steel	不锈钢 Series/Work Materials	铸铁 Cast Iron	铝合金 Aluminum Alloy
X30-NRT	10-25	8-20	5-15	10-25		20-50
X31-NRT	15-30	15-25	5-15	15-30		30-60
JX10-NRT	5-15	5-10		5-10		20-40
X20-SFT	15-25	10-20	5-15	10-25		20-50
X21-SFT	15-30	15-25	5-15	10-30		20-60
JX10-SFT	5-15	5-10		5-10		20-40
DS-SFT		8-20	5-15			
X20-POT	15-25	10-20	5-15	10-25		20-50
JX10-POT	5-15	5-10		5-10		20-40
HHS-POTX			3-8			
X20-RLT	15-25	10-20	5-15	10-25		
X20-HT					10-20	20-50
X21-HT			5-20		10-20	20-50
JX10-HT					5-15	20-40

切削条件计算公式 Calculation formulafor cutting conditions

工具之回转数 Revolution(N)

$$N = \frac{1{,}000V}{\pi d} \text{ (rpm)}$$

工具之进刀速度 Feeding Speed

$$F = \frac{f \cdot Z \cdot N(D \pm d)}{D} \text{ (mm/min)}$$

切削速度 Tapping Speed(V)

$$V = \frac{\pi dN}{1{,}000} \text{ (M/min)}$$

1.内螺纹之场合(-)Female screw(-)

2.外螺纹之场合(+) Male screw(+)

3.TIN(钛处理)切削速度则依上表*1.3倍。

Tapping speed of TIN coated tap can increase by 30%.

4.攻牙深度在外径2倍以上时则依上表切削速度降20%-30%。

Tapping speed should reduce by 20-30% when tapping depth > =2D.

D:加工径Processing diameter(mm)

d:工具径Tap diameter(mm)

z:刀数Feed times

f:回转的进刀量Amount of feed(mm)

V:切削速度Tapping speed(m/min)

N:回转数Revolution(rpm)

π:3.1415

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