



BEIOU TECH
贝欧科技

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新乡市贝欧科技有限公司
Xinxiang Beiou Technology Co.,Ltd.

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INTRODUCTION

Xinxiang Beiou Technology Co., Ltd. is a company that develops and sells thread repair tools, coils thread inserts, self tapping inserts, and keylocking thread inserts. We are committed to providing you with one-stop solutions for thread installation and thread repair. Our main products include two categories: first, screw sleeve products, including coils thread inserts, self tapping inserts, and key-locking thread inserts, as well as various international standards, American standards, British standards, German standards screw sleeves, and non-standard screw sleeves; 2、Screw sleeve installation and thread repair tools mainly include simple installation wrenches, spiral installation wrenches, punch breakers, drill bits, taps, screw sleeve disassembly tools, etc; The company currently has an experienced design and development team, a comprehensive quality management system, and a mature sales business team. The Beiou screw sleeve is trustworthy. Beiou Technology is committed to providing customers with excellent screw sleeve solutions, including but not limited to: special material processing, OEM production, packaging customization, brand box customization, and so on. After years of hard work, Beiou Technology has maintained long-term and stable partnerships with multiple domestic automobile parts manufacturers, communication, navigation, and computer shell manufacturers. The quality is well received, and the reputation is renowned overseas. We look forward to working together with you to win and explore a better era.

新乡市贝欧科技有限公司，是一家研发销售螺纹修复工具，钢丝螺套，自攻螺套，插销螺套的公司，我们致力于为您提供螺套安装及螺纹修复一站式解决方案。主营产品包括两大类：一、螺套类产品，包括钢丝螺套，自攻螺套，插销螺套以及各种国际标准，美标，英标，德标螺套与非标螺套；二、螺套安装与螺纹修复工具，主要包括简易安装扳手，螺旋式安装扳手，冲断器，钻头，丝锥，螺套拆卸工具等；公司目前拥有经验丰富的设计研发团队，完善的质量管理体系，同时拥有成熟的销售业务团队，贝欧螺套，值得信赖。贝欧科技致力为客户提供优良的螺套解决方案，包括但不限于：特殊材料加工，OEM 生产，包装订制，品牌套盒订制等等。经过多年努力，贝欧科技与国内多家汽车配件厂家，通信，导航，计算机壳体厂家保持长期稳定的合作伙伴关系，质量有口皆碑，信誉扬名海外，期待与您联手共赢，开拓更美好的时代。

BEIOU TECH

Because every professional product is a masterpiece,
Beyond performance limits, experiencing exquisite craftsmanship and winding, produced by Beiou Technology.
因为专业每一件产品都是精品，
超越性能极限，领略精工细绕，贝欧科技出品。



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CNC SCREW MACHINE CNC螺套机

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THREAD REPAIR KIT

套盒系列



Actual Product Picture 产品图片	Size 规格	Specifications 产品明细	GW 毛重 (kg)	Package 包装方式	Carton Size 外纸箱尺寸 (CM)	特点 Features
	131pcs (M5-M12)	131(M5-M12) 螺纹修复工具 5支安装扳手, 5支冲断器, 5支丝锥, 5支钻头, 1支内六角扳手, 110颗钢丝螺套 (M5/6/8/10各25颗, M12为10颗, 钢丝螺套的长度都是常规的1.5D) 131pcs (M5-M12) thread repair kit 5PCS HSS Tap: M5*0.8, M6*1, M8*1.25, M10*1.5, M12*1.75 110PCS Wire thread inserts: M5, M6, M8, M10, M12 5PCS HSS Twist Drill: 5.2mm/6.2mm/8.3mm/10.3mm/12.4mm 5PCS Tang Puncher 5PCS Simple installation tool Spanner 1PCS Small hexagon spanner	2.5	铁盒内 工具可选颜色 (蓝色/红色) iron box Colors (blue,red)	37*24*14	
	131pcs (UNC/UNF)	131(UNC/UNF) 螺纹修复工具 5支安装扳手, 5支冲断器, 5支丝锥, 5支钻头, 1支内六角扳手, 110颗钢丝螺套 (1/4-20、5/16-18、3/8-16、7/16-14各25颗, 1/2-13为10颗) 1/4-28、5/16-24、3/8-24、7/16-20各25颗, 1/2-20为10颗) thread repair kit 5PCS HSS Tap: 1/4-20、5/16-18、3/8-16、7/16-14、1/2-13 110PCS Wire thread inserts: 1/4-20、5/16-18、3/8-16、7/16-14、1/2-13 5PCS HSS Tap: 1/4-28、5/16-24、3/8-24、7/16-20、1/2-20 110PCS Wire thread inserts: 1/4-28、5/16-24、3/8-24、7/16-20、1/2-20 5PCS HSS Twist Drill: 6.7mm/8.3mm/9.9mm/11.6mm/13mm 5PCS Tang Puncher 5PCS Simple installation tool Spanner 1PCS Small hexagon spanner	2.7	铁盒内 工具可选颜色 (蓝色/红色) iron box Colors (blue,red)	37*24*14	适用于螺纹衬套 手动安装的工具 安装方便, 简便易用, 强度高, 寿命高。 价格便宜, 成本低。 适合零售及小批量螺 套安装及修复。 Easy-to-use tool for manual installation of threaded bushings. Easy installation, high strength and long life. Suitable for retail and low volume screw insert installation and repair.
	M2*0.4	M2-M14螺纹修复工具 单套盒里有相应规格的安装扳手, 冲断器, 丝锥, 钻头, 内六角扳手各一支, 钢丝螺套各25颗或10颗 (M2/3/4/5/6/8为25颗M10为15颗M12/14为10颗, 钢丝螺套的长度都是常规的1.5D) M2-M14 single size thread repair kit Wire thread inserts Standard Length: L=1.5D Each kit include: 1PCS HSS Tap 10 or 25PCS stainless steel thread inserts 1PCS HSS Twist Drill 1PCS Tang Puncher 1PCS Installation tool Spanner 1PCs Hex Key	0.15	透明 塑料 盒 Plastic box	39.6*30.6*30.5	
	M3*0.5		0.17			
	M4*0.7		0.19			
	M5*0.8		0.21			
	M6*1		0.25			
	M8*1.25		0.33			
	M10*1.5		0.40			
	M12*1.75		0.50			
	M14*2		0.65			

Actual Product Picture 产品图片	Size 规格	Specifications 产品明细	GW 毛重 (kg)	Package 包装方式	Carton Size 外纸箱尺寸 (CM)	特点 Features
	M2*0.4	M2-M12螺纹修复工具 单套盒里有相应规格的安装扳手，冲断器，丝锥，钻头，内六角扳手各一支，钢丝螺套各25颗或10颗（M2/3/4/5/6/8为25颗，M10为15颗，M12为10颗，钢丝螺套的长度都是常规的1.5D） M2-M14 single size thread repair kit Wire thread inserts Standard Length: L=1.5D Each kit include: 1PCS HSS Tap 10 or 25PCS stainless steel thread inserts 1PCS HSS Twist Drill 1PCS Tang Puncher 1PCS Installation tool Spanner 1PCS Hex Key	0.09	黑色塑料盒 Black Plastic box	31.7*20.6*20.1	适用于螺纹衬套 手动安装的工具 安装方便，简便易用，强度高，寿命高。 价格便宜，成本低。 适合零售及小批量螺套安装及修复。
	M3*0.5		0.11			
	M4*0.7		0.13			
	M5*0.8		0.15			
	M6*1		0.18			
	M8*1.25		0.28			
	M10*1.5		0.38			
	M12*1.75		0.48		34.2*29.2*25	
	M16*2	M16-M24螺纹修复工具 单套盒里有相应规格的安装扳手，冲断器，丝锥，钻头，内六角扳手各一支，钢丝螺套（M16为8颗/M18为7颗/M20/M22/M24为5颗，钢丝螺套的长度都是常规的1.5D） M16-M24 single size thread repair kit Wire thread inserts Standard Length: L=1.5D Each kit include: 1PCS HSS Tap 8 or 5PCS stainless steel thread inserts 1PCS HSS Twist Drill 1PCS Tang Puncher 1PCS Installation tool Spanner 1PCS Hex Key	0.7	透明塑料盒 Plastic box	30*30*20	Easy-to-use tool for manual installation of threaded bushings. Easy installation, high strength and long life. Suitable for retail and low volume screw insert installation and repair.
	M18*2.5		0.81			
	M20*2.5		0.95			
	M22*2.5		1.1			
	M24*3		1.3			
	88PCS I (M5,M6,M8) II (M6,M8,M10)	88PCS螺纹修复工具 3支安装扳手，3支冲断器，3支丝锥，3支钻头，1支内六角扳手，75颗钢丝螺套（M5/6/8)/(M6/8/10)、各25颗，钢丝螺套的长度都是常规的1.5D) 88pcs thread repair kit 3PCS HSS Tap: (M5/6/8)/(M6/8/10) 75PCS Wire thread inserts: (M5/6/8)/(M6/8/10)-1.5D 3PCS HSS Twist Drill: 5.2mm/6.2mm/8.3mm(6.2mm/8.3mm/10.3mm) 3PCS Tang Puncher	1.1/ 1.35	铁盒 可选颜色 (黑色/蓝色/红色) iron box Colors (black/ blue /red)	30*30*20	

Actual Product Picture 产品图片	Size 规格	Specifications 产品明细	GW 毛重 (kg)	Package 包装方式	Carton Size 外纸箱尺寸 (CM)	特点 Features
	88PCS I (1/4,5/16, 3/8)UNC/F II (5/16,3/8, 7/16)UNC/F	88PCS螺纹修复工具 3支安装扳手，3支冲断器，3支丝锥，3支钻头，1支内六角扳手，75颗钢丝螺套（1/4,5/16,3/8)/(5/16,3/8,7/16)各25颗，钢丝螺套的长度都是常规的1.5D) 88pcs thread repair kit 3PCS HSS Tap: (1/4,5/16,3/8)/(5/16,3/8,7/16)//UNC/F 75PCS Wire thread inserts: (1/4,5/16,3/8)/(5/16,3/8,7/16)-1.5D 3PCS HSS Twist Drill: 6.7mm/8.3mm/9.9mm(8.3mm/9.9mm/11.6mm) 3PCS Tang Puncher 3PCS Simple installation tool Spanner 1PCS Small hexagon spanner	1.2/ 1.5	铁盒 可选颜色 (黑色/蓝色/红色) iron box Colors (black/ blue /red)	30*30*20	
	131pcs (M5-M12)	131(M5-M12) 螺纹修复工具 5支安装扳手，5支冲断器，5支丝锥，5支钻头，1支内六角扳手，110颗钢丝螺套（M5/6/8/10各25颗，M12为10颗，钢丝螺套的长度都是常规的1.5D) 131pcs (M5-M12) thread repair kit 5PCS HSS Tap: M5*0.8, M6*1, M8*1.25, M10*1.5, M12*1.75 110PCS Wire thread inserts: M5, M6, M8, M10, M12 5PCS HSS Twist Drill: 5.2mm/6.2mm/8.3mm/10.3mm/12.4mm 5PCS Tang Puncher 5PCS Simple installation tool Spanner 1PCS Small hexagon spanner	1.88	铁盒 可选颜色 (蓝色/红色) iron box Colors (blue,red)	38*37.6*17.5	适用于螺纹衬套 手动安装的工具 安装方便，简便易用，强度高，寿命高。 价格便宜，成本低。 适合零售及小批量螺套安装及修复。 Easy-to-use tool for manual installation of threaded bushings. Easy installation, high strength and long life. Suitable for retail and low volume screw insert installation and repair.
	131pcs (UNC)	131(UNC) 螺纹修复工具 5支安装扳手，5支冲断器，5支丝锥，5支钻头，1支内六角扳手，110颗钢丝螺套（1/4-20、5/16-18、3/8-16、7/16-14各25颗，1/2-13为10颗） thread repair kit 5PCS HSS Tap: 1/4-20、5/16-18、3/8-16、7/16-14、1/2-13 110PCS Wire thread inserts: 1/4-20、5/16-18、3/8-16、7/16-14、1/2-13 5PCS HSS Twist Drill: 6.7mm/8.3mm/9.9mm/11.6mm/13mm 5PCS Tang Puncher 5PCS Simple installation tool Spanner 1PCS Small hexagon spanner	2.1	铁盒 可选颜色 (蓝色/红色) iron box Colors (blue,red)	38*37.6*17.5	
	131pcs (UNF)	131(UNF) 螺纹修复工具 5支安装扳手，5支冲断器，5支丝锥，5支钻头，1支内六角扳手，110颗钢丝螺套（1/4-28、5/16-24、3/8-24、7/16-20各25颗，1/2-20为10颗） thread repair kit 5PCS HSS Tap: 1/4-28、5/16-24、3/8-24、7/16-20、1/2-20 110PCS Wire thread inserts: 1/4-28、5/16-24、3/8-24、7/16-20、1/2-20 5PCS HSS Twist Drill: 6.7mm/8.3mm/9.9mm/11.6mm/13mm 5PCS Tang Puncher 5PCS Simple installation tool Spanner 1PCS Small hexagon spanner	1.9	铁盒 可选颜色 (蓝色/红色) iron box Colors (blue,red)	38*37.6*17.5	

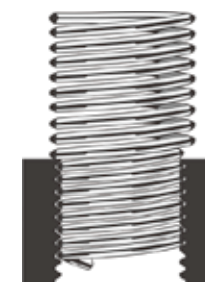
THREAD INSERT

钢丝螺套

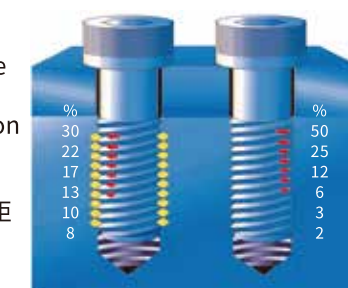


Wire thread insert is a new type of internal thread fastener, which is made of high-strength, high-precision corrosion-resistant diamond-shaped stainless steel wire. The categories can be divided into screw sleeves with tails and screw sleeves without tails. The screw sleeve is installed in the screw hole or nut, which can reduce the uneven stress on the thread teeth and resist impact vibration. It can improve the fatigue strength of the thread, reduce the wear and corrosion resistance of the thread, and extend the life of the screw hole. At present, wire thread insert technology is widely used in aerospace, aviation, shipbuilding, weapons industry, optical instruments, radio and other types of instruments and meters. At the same time, it is widely used in large locomotives, units, automobile manufacturing, metallurgy, electric power, machinery, chemical fiber, and chemical industries.

钢丝螺套是一种新型内螺纹紧固件，是由高强度、高精度的耐腐蚀菱形不锈钢丝精制而成。类别可分为有尾螺套、无尾螺套。螺套装于螺孔或螺母中，有减轻螺纹牙受力不均和抗冲击振动的作用，可以提高螺纹的疲劳强度，减少螺纹的磨损和抗腐蚀性能，延长螺孔寿命。目前，钢丝螺套技术广泛用于航天、航空、船舶、兵器工业、光学仪器、无线电等各类仪器仪表。同时，大型机车、机组、汽车制造、冶金、电力、机械、化纤、化工行业都广泛采用。



The picture of moment for Installation inserts
装入
钢丝螺套力矩示意图



No coils of the pricture
不装入
钢丝螺套力矩示意图

The diagram of moment of force
力矩示意图

MATERIALS 材料

304H / 316 / customized materials

Advantages: Made of stainless steel, used in general situations and workpiece combinations. Suitable for lightweight structures and aluminum alloy structures to increase corrosion resistance and improve thread tensile strength.

304H / 316 / 定制材料

优点：采用不锈钢材料制成，用于一般情况下和工件组合。适用于轻型结构、铝合金结构、增加抗腐蚀性、提高螺纹抗拉强度。

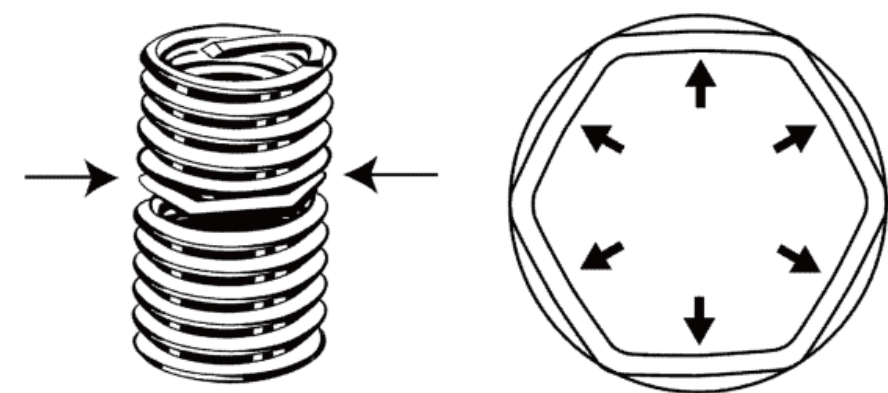
FREE RUNNING 普通型

- The most commonly used types.
- It can be green; The stainless steel true colors is most using.
- Most Metric ,UNC,UNF sizes in the stock.
- 最普通的类型,也最常用。
- 可着色,多数为不锈钢本色。
- 公制、美标、英标各规格有现货。



SELF-LOCKING 锁紧型

- The screw sleeve has one or more inner six-sided or edgeless coils.
- The locking strength is greatly enhanced to prevent vibration and falling off.
- Color: Red is generally used to distinguish it from the ordinary type.
- 螺套上有一圈或多圈内六边或无边线圈。
- 大大增强了锁紧力度,防止振动脱落。
- 颜色: 一般采用红色用于与普通型的区分。



Thread Insert External Diametermetric(Metric Sizes) 公制 有尾螺套外径标准										
ITEM SIZE 规格	PART NO. 编号	LENGTH 长度 (mm)		NUMBER OF COILS 圈数 (K)	Standard 标准 (mm) (OutSaid=外径 Diameter)				do/Drill 钻头	Kg/1000pcs 千件重量
					(GB) 国标	(GJB) 军标	DIN8140 德标	(QB) 欧标		
M2*0.4	CT020040010	1D	2	3	2.53 - 2.70	2.62 - 2.76	2.60 - 2.80	2.50 - 2.60	2	0.02
	CT020040015	1.5D	3	5					2	0.03
	CT020040020	2D	4	7.5					2	0.05
	CT020040025	2.5D	5	10					2	0.06
	CT020040030	3D	6	12					2	0.07
M2.5*0.45	CT025045010	1D	2.5	4	3.20 - 3.70	3.22 - 3.40	3.30 - 3.50	3.10 - 3.40	2.6	0.03
	CT025045015	1.5D	3.75	6					2.6	0.05
	CT025045020	2D	5	8.5					2.6	0.07
	CT025045025	2.5D	6.25	10.5					2.6	0.09
	CT025045030	3D	7.5	12.8					2.6	0.11
M3*0.5	CT030050010	1D	3	4.5	3.80 - 4.35	3.90 - 4.10	3.80 - 4.00	3.60 - 4.00	3.1	0.06
	CT030050015	1.5D	4.5	7					3.1	0.09
	CT030050020	2D	6	10					3.1	0.13
	CT030050025	2.5D	7.5	12					3.1	0.15
	CT030050030	3D	9	14.5					3.1	0.19
M4*0.7	CT040070010	1D	4	4	5.05 - 5.60	5.16 - 5.36	5.15 - 5.35	4.90 - 5.20	4.2	0.13
	CT040070015	1.5D	6	7					4.2	0.22
	CT040070020	2D	8	9.5					4.2	0.3
	CT040070025	2.5D	10	11.7					4.2	0.37
	CT040070030	3D	12	14.2					4.2	0.45
M5*0.8	CT050080010	1D	5	4.5	6.25 - 6.80	6.32 - 6.54	6.35 - 6.60	6.00 - 6.40	5.2	0.23
	CT050080015	1.5D	7.5	7					5.2	0.36
	CT050080020	2D	10	10					5.2	0.52
	CT050080025	2.5D	12.5	12.6					5.2	0.65
	CT050080030	3D	15	15.3					5.2	0.79
M6*1	CT060100010	1D	6	4.5	7.58 - 7.95	7.62 - 7.84	7.60.7.85	7.20 - 7.60	6.3	0.57
	CT060100015	1.5D	9	7					6.3	0.88
	CT060100020	2D	12	10					6.3	1.26
	CT060100025	2.5D	15	12.2					6.3	1.54
	CT060100030	3D	18	14.9					6.3	1.88
M7*1	CT070100010	1D	7	5.2	8.58 - 9.20	8.62 - 8.94	8.65 - 8.90	8.20 - 8.70	7.3	0.57
	CT070100015	1.5D	10.5	8.3					7.3	0.9
	CT070100020	2D	14	11.5					7.3	1.25
	CL070100025	2.5D	17.5	14.6					7.3	1.48
	CT070100030	3D	21	18					7.3	1.96
M8*1	CT080100010	1D	8	6	9.70 - 10.25	9.82 - 10.04	9.85 - 10.10	9.40 - 9.80	8.3	0.79
	CT080100015	1.5D	12	9.6					8.3	1.25
	CT080100020	2D	16	13.1					8.3	1.71
	CT080100025	2.5D	20	16.7					8.3	2.18
	CT080100030	3D	24	20.3					8.3	2.65
M8*1.25	CT080125010	1D	8	5	9.85 - 10.35	10.06 - 10.34	9.85 - 10.10	9.50 - 9.90	8.3	0.98
	CT080125015	1.5D	12	7.5					8.3	1.46
	CT080125020	2D	16	10.5					8.3	2.05
	CT080125025	2.5D	20	13.5					8.3	2.63
	CT080125030	3D	24	16.5					8.3	3.22
M9*1.25	CT090125010	1D	9	5.5	/	/	/	10.50 - 10.80	9.3	1.18
	CT090125015	1.5D	13.5	8.9					9.3	1.9
	CT090125020	2D	18	12.2					9.3	2.61
	CT090125025	2.5D	22.5	15.5					9.3	3.31
	CT090125030	3D	27	18.8					9.3	4.02
M10*1	CT100100010	1D	10	7.7	11.68 - 12.65	12.08 - 12.36	12.10 - 12.50	11.40 - 12.00	10.3	1.19
	CT100100015	1.5D	15	12.1					10.3	1.86
	CT100100020	2D	20	16.5					10.3	2.54
	CT100100025	2.5D	25	20.8					10.3	3.2
	CT100100030	3D	30	25.5					10.3	3.92

WIRE SCREW SLEEVE SPECIFICATION PARAMETER TABLE

有尾螺套规格参数表格

Thread Insert External Diametermetric(Metric Sizes) 公制 有尾螺套外径标准										
ITEM SIZE 规格	PART NO. 编号	LENGTH 长度 (mm)		Number Of Coils 圈数 (K)	(外径 =OutSaid Diameter) 标准 Standard (mm)				钻头 do/Drill	千件重量 Kg/1000pc s
					(GB) 国标	(GJB) 军标	DIN8140 德标	(QB) 欧标		
M10*1.25	CT100125010	1D	10	6.1	11.87-12.65	12.38 - 12.68	12.10 - 12.50	11.70 - 12.20	10.3	1.44
	CT100125015	1.5D	15	9.7					10.3	2.28
	CT100125020	2D	20	13.3					10.3	3.13
	CT100125025	2.5D	25	16.9					10.3	3.98
	CT100125030	3D	30	20.5					10.3	4.82
M10*1.5	CT100150010	1D	10	5	12.10 - 12.80	12.52 - 12.80	12.10 - 12.50	11.80 - 12.20	10.4	1.72
	CT100150015	1.5D	15	8					10.4	2.75
	CT100150020	2D	20	11					10.4	3.79
	CT100150025	2.5D	25	14.2					10.4	4.89
	CT100150030	3D	30	17.3					10.4	5.95
M12*1	CT120100010	1D	12	9.4	14.18 - 15.00	/	14.40 - 14.80	13.40 - 14.00	12.3	1.81
	CT120100015	1.5D	18	14.7					12.3	2.82
	CT120100020	2D	24	20					12.3	3.84
	CT120100025	2.5D	30	25.2					12.3	4.84
	CT120100030	3D	36	31					12.3	5.95
M12*1.25	CT120125010	1D	12	7.5	14.27 - 15.00	/	14.40 - 14.80	13.80 - 14.40	12.3	2.23
	CT120125015	1.5D	18	11.8					12.3	3.5
	CT120125020	2D	24	16.1					12.3	4.78
	CT120125025	2.5D	30	20.3					12.3	6.03
	CT120125030	3D	36	25					12.3	7.42
M12*1.5	CT120150010	1D	12	6.2	14.40 - 15.00	14.68 - 14.96	14.40 - 14.80	14.10 - 14.60	12.4	2.81
	CT120150015	1.5D	18	9.8					12.4	4.43
	CT120150020	2D	24	13.5					12.4	6.11
	CT120150025	2.5D	30	16.1					12.4	7.28
	CT120150030	3D	36	20.5					12.4	9.27
M12*1.75	CT120175010	1D	12	5	14.50 - 15.00	14.68 - 14.98	14.40 - 14.80	14.10 - 14.60	12.4	2.79
	CT120175015	1.5D	18	8.4					12.4	4.68
	CT120175020	2D	24	11.75					12.4	6.55
	CT120175025	2.5D	30	14.8					12.4	8.25
	CT120175030	3D	36	18					12.4	10.03
M14*1.25	CT140125010	1D	14	8.8	16.45 - 17.70	/	16.80 - 17.20	15.80 - 16.40	14.3	3
	CT140125015	1.5D	21	13.8					14.3	4.69
	CT140125020	2D	28	18.8					14.3	6.39
	CT140125025	2.5D	35	24					14.3	8.16
	CT140125030	3D	42	30					14.3	10.2
M14*1.5	CT140150010	1D	14	7.3	16.52 - 17.70	16.92 - 17.20	16.80 - 17.20	16.10 - 16.70	14.4	3.45
	CT140150015	1.5D	21	11.5					14.4	5.42
	CT140150020	2D	28	15.7					14.4	7.4
	CT140150025	2.5D	35	19.9					14.4	9.38
	CT140150030	3D	42	24.5					14.4	11.55
M14*2	CT140200010	1D	14	5.5	16.87 - 17.87	17.08 - 17.38	16.80 - 17.20	16.40 - 16.90	14.5	4.61
	CT140200015	1.5D	21	9					14.5	7.54
	CT140200020	2D	28	12					14.5	10.06
	CT140200025	2.5D	35	15.2					14.5	12.74
	CT140200030	3D	42	18.4					14.5	15.42
M16*1.5	CT160150010	1D	16	8.5	18.52 - 19.90	19.18 - 19.52	19.00 - 19.40	18.10 - 18.90	16.4	4.57
	CT160150015	1.5D	24	13.3					16.4	7.15
	CT160150020	2D	32	18.1					16.4	9.73
	CT160150025	2.5D	40	23					16.4	12.37
	CT160150030	3D	48	28					16.4	15.06
M16*2	CT160200010	1D	16	6.5	18.87 - 19.90	19.34 - 19.74	19.00 - 19.40	18.40 - 19.00	16.5	6.34
	CT160200015	1.5D	24	10					16.5	9.74
	CT160200020	2D	32	13.5					16.5	13.15
	CT160200025	2.5D	40	17.2					16.5	16.76
	CT160200030	3D	48	21.2					16.5	20.65
M18*1.5	CT180150010	1D	18	9.8	20.54 - 22.00	21.48 - 21.82	21.50 - 22.00	20.10 - 20.90	18.4	5.79
	CT180150015	1.5D	27	15					18.4	8.85
	CT180150020	2D	36	20.3					18.4	11.98
	CT180150025	2.5D	45	26					18.4	15.34
	CT180150030	3D	54	32					18.4	18.88

WIRE SCREW SLEEVE SPECIFICATION PARAMETER TABLE

有尾螺套规格参数表格



Thread Insert External Diametermetric(Metric Sizes) 公制 有尾螺套 外径 标准										
ITEM SIZE 规格	PART NO. 编号	LENGTH 长度 (mm)		Number Of Coils 圈数 (K)	(OutSaid Diameter= 外径) Standard 标准 (mm)				钻头 do/Drill	千件重量 Kg/1000pcs
					(GB) 国标	(GJB) 军标	DIN8140 德标	(QB) 欧标		
M18*2	CT180200010	1D	18	7.1	21.07 - 22.00	/	21.50 - 22.00	20.80 - 21.30	18.5	7.67
	CT180200015	1.5D	27	11.2					18.5	12.10
	CT180200020	2D	36	15.2					18.5	16.43
	CT180200025	2.5D	45	19.2					18.5	20.75
	CT180200030	3D	54	24					18.5	25.93
M18*2.5	CT180250010	1D	18	5.5	21.40 - 22.00	21.84 - 22.24	21.50 - 22.00	21.00 - 21.50	18.6	9.87
	CT180250015	1.5D	27	9					18.6	16.15
	CT180250020	2D	36	12					18.6	21.54
	CT180250025	2.5D	45	15.7					18.6	28.18
	CT180250030	3D	54	19					18.6	34.10
M20*1.5	CT200150010	1D	20	10.7	22.77 - 24.20	23.48 - 23.88	23.70 - 24.20	22.20 - 23.10	20.4	7.33
	CT200150015	1.5D	30	16.7					20.4	11.43
	CT200150020	2D	40	23					20.4	15.75
	CT200150025	2.5D	50	29.5					20.4	20.20
	CT200150030	3D	60	36					20.4	24.64
M20*2	CT200200010	1D	20	8	23.12 - 24.20	23.64 - 24.04	23.70 - 24.20	22.80 - 23.40	20.5	9.74
	CT200200015	1.5D	30	12.2					20.5	14.85
	CT200200020	2D	40	17.1					20.5	20.82
	CT200200025	2.5D	50	21.7					20.5	26.42
	CT200200030	3D	60	26.5					20.5	32.26
M20*2.5	CT200250010	1D	20	6	23.46 - 24.40	24.10 - 24.50	23.70 - 24.20	23.00 - 23.70	20.6	11.19
	CT200250015	1.5D	30	10					20.6	18.65
	CT200250020	2D	40	13.5					20.6	25.18
	CT200250025	2.5D	50	17.5					20.6	32.64
	CT200250030	3D	60	21.2					20.6	39.54
M22*1.5	CT220150010	1D	22	11.9	24.92 - 26.80	26.00 - 26.52	26.30 - 26.80	24.20 - 25.30	22.4	9.25
	CT220150015	1.5D	33	18.5					22.4	14.38
	CT220150020	2D	44	25.5					22.4	19.83
	CT220150025	2.5D	55	32.5					22.4	25.27
	CT220150030	3D	66	40					22.4	31.10
M22*2.0	CT220200010	1D	22	8.8	25.27 - 26.80	26.04 - 26.64	26.30 - 26.80	24.80 - 25.70	22.5	12.14
	CT220200015	1.5D	33	13.7					22.5	18.90
	CT220200020	2D	44	18.6					22.5	25.66
	CT220200025	2.5D	55	24.2					22.5	33.39
	CT220200030	3D	66	29.4					22.5	40.56
M22*2.5	CT220250010	1D	24	7	25.61 - 26.90	26.44 - 27.04	26.30 - 26.80	25.00 - 25.90	22.6	14.75
	CT220250015	1.5D	36	11					23.6	23.18
	CT220250020	2D	48	15					24.6	31.61
	CT220250025	2.5D	55	19.5					25.6	41.10
	CT220250030	3D	66	24					22.6	50.58
M24*1.5	CT240150010	1D	24	13	27.92 - 29.10	28.14 - 28.74	28.60 - 29.10	26.20 - 27.20	24.4	11.00
	CT240150015	1.5D	36	20					24.4	16.90
	CT240150020	2D	48	28					24.4	23.66
	CT240150025	2.5D	60	34.5					24.4	29.16
	CT240150030	3D	72	42					24.4	35.49
M24*2	CT240200010	1D	24	9.6	27.27 - 29.10	28.54 - 29.14	28.60 - 29.10	26.90 - 28.00	24.5	14.52
	CT240200015	1.5D	36	15					24.5	22.68
	CT240200020	2D	48	20.3					24.5	30.70
	CT240200025	2.5D	60	25.8					24.5	39.10
	CT240200030	3D	72	32					24.5	48.39
M24*3	CT240300010	1D	24	6.3	28.15 - 29.10	28.64 - 29.24	28.60 - 29.10	27.60 - 28.30	24.8	20.32
	CT240300015	1.5D	36	10					24.8	32.24
	CT240300020	2D	48	14					24.8	45.14
	CT240300025	2.5D	60	17.5					24.8	56.42
	CT240300030	3D	72	21.2					24.8	68.35

WIRE SCREW SLEEVE SPECIFICATION PARAMETER TABLE

有尾螺套规格参数表格



Thread Insert External Diametermetric (UNC/UNF Sizes) 英制 有尾螺套 外径 标准								
ITEM SIZE 规格	PART NO. 编号	LENGTH 长度 (mm)	Number Of Coils 圈数 (K)	Standard 标准 (mm) (OutSaid Diameter = 外径)		do/Drill 钻头	Kg/1000pcs 千件重量	
				(QB) 欧标	(GB) 国标			
UNC								
4-40	CT4-40UNC10	1D	2.9	2.75	3.63-3.83	3.66-4.04	3.0	0.06
	CT4-40UNC15	1.5D	4.3	4.5			3.0	0.09
	CT4-40UNC20	2D	5.8	6.9			3.0	0.14
	CT4-40UNC25	2.5D	7.3	8.5			3.0	0.17
	CT4-40UNC30	3D	8.8	11			3.0	0.22
5-40	CT5-40UNC10	1D	3.2	3	3.96-4.16	4.01-4.39	3.4	0.07
	CT5-40UNC15	1.5D	4.8	5.5			3.4	0.12
	CT5-40UNC20	2D	6.4	7.6			3.4	0.17
	CT5-40UNC25	2.5D	8	10			3.4	0.22
	CT5-40UNC30	3D	9.6	12			3.4	0.27
6-32	CT6-32UNC10	1D	3.5	2.5	4.50-4.70	4.52-4.90	3.7	0.10
	CT6-32UNC15	1.5D	5.3	4.8			3.7	0.18
	CT6-32UNC20	2D	7	6.8			3.7	0.26
	CT6-32UNC25	2.5D	8.8	9			3.7	0.34
	CT6-32UNC30	3D	10.6	11			3.7	0.42
8-32	CT8-32UNC10	1D	4.2	3.5	5.16-5.36	5.20-5.56	4.4	0.15
	CT8-32UNC15	1.5D	6.25	6			4.4	0.25
	CT8-32UNC20	2D	8.3	8.6			4.4	0.36
	CT8-32UNC25	2.5D	10.35	10.8			4.4	0.45
	CT8-32UNC30	3D	12.4	13			4.4	0.55
10-24	CT10-24UNC10	1D	4.8	2.8	6.15-6.35	6.19-6.58	5.1	0.28
	CT10-24UNC15	1.5D	7.2	5			5.1	0.49
	CT10-24UNC20	2D	9.6	7			5.1	0.69
	CT10-24UNC25	2.5D	12	9			5.1	0.89
	CT10-24UNC30	3D	14.4	11			5.1	1.08
1/4--20	CT1/4UNC10	1D	6.4	3.1	7.92-8.15	7.86-8.38	6.7	0.53
	CT1/4UNC15	1.5D	9.5	5.5			6.7	0.94
	CT1/4UNC20	2D	12.7	8			6.7	1.37
	CT1/4UNC25	2.5D	15.8	10.2			6.7	1.75
	CT1/4UNC30	3D	18.9	13			6.7	2.23
5/16--18	CT5/16UNC10	1D	7.9	4	9.68-9.90	9.70-9.90	8.3	1.05
	CT5/16UNC15	1.5D	11.9	6.5			8.3	1.70
	CT5/16UNC20	2D	15.9	9			8.3	2.36
	CT5/16UNC25	2.5D	19.9	12			8.3	3.14
	CT5/16UNC30	3D	23.9	14.6			8.3	3.82
3/8--16	CT3/8UNC10	1D	9.5	4.1	11.48-11.73	11.48-11.99	9.9	1.56
	CT3/8UNC15	1.5D	14.3	7			9.9	2.65
	CT3/8UNC20	2D	19.1	9.6			9.9	3.64
	CT3/8UNC25	2.5D	23.9	12.6			9.9	4.77
	CT3/8UNC30	3D	28.7	15.6			9.9	5.91
7/16--14	CT7/16UNC10	1D	11.1	4.2	13.33-13.67	13.36-13.99	11.6	2.38
	CT7/16UNC15	1.5D	16.7	7.2			11.6	4.07
	CT7/16UNC20	2D	22.2	10			11.6	5.66
	CT7/16UNC25	2.5D	27.9	13			11.6	7.35
	CT7/16UNC30	3D	33.5	16			11.6	9.05
1/2--13	CT1/2UNC10	1D	12.7	4.5	15.09-15.44	15.16-15.80	13.1	3.45
	CT1/2UNC15	1.5D	19.1	7.7			13.1	5.90
	CT1/2UNC20	2D	25.4	11			13.1	8.43
	CT1/2UNC25	2.5D	31.9	14			13.1	10.73
	CT1/2UNC30	3D	38.3	17			13.1	13.03
5/8--11	CT5/8UNC10	1D	15.9	5	18.69-19.08	18.84-19.48	16.4	6.46
	CT5/8UNC15	1.5D	23.8	8.4			16.4	10.85
	CT5/8UNC20	2D	31.8	11.5			16.4	14.86
	CT5/8UNC25	2.5D	39.6	15			16.4	19.38
	CT5/8UNC30	3D	47.5	18.1			16.4	23.38
3/4--10	CT3/4UNC10	1D	19.1	5.8	22.12-22.58	22.36-23.00	19.6	10.76
	CT3/4UNC15	1.5D	28.6	9.5			19.6	17.62
	CT3/4UNC20	2D	38.1	13			19.6	24.12
	CT3/4UNC25	2.5D	47.6	16.5			19.6	30.61
	CT3/4UNC30	3D	57.1	20.1			19.6	37.28

WIRE SCREW SLEEVE SPECIFICATION PARAMETER TABLE

有尾螺套规格参数表格

Thread Insert External Diametermetric (UNC/UNF Sizes) 英制 有尾螺套 外径 标准								
ITEM SIZE 规格	PART NO. 编号	LENGTH 长度 (mm)		Number Of Coils 圈数 (K)	Standard标准 (mm) (OutSaid Diameter = 外径)		do/Drill 钻头	Kg/1000pcs 千件重量
					(QB) 欧标	(GB) 国标		
UNF								
10-32	CT10-32UNF10	1D	4.83	4.1	5.91-6.19	5.99-6.50	5.0	0.21
	CT10-32UNF15	1.5D	7.24	6.9			5.0	0.35
	CT10-32UNF20	2D	9.65	10			5.0	0.51
	CT10-32UNF25	2.5D	12.06	12			5.0	0.61
	CT10-32UNF30	3D	14.47	15			5.0	0.76
1/4--28	CT1/4UNF10	1D	6.35	5	7.59-7.95	7.77-8.28	6.6	0.46
	CT1/4UNF15	1.5D	9.5	8.6			6.6	0.78
	CT1/4UNF20	2D	12.65	11.8			6.6	1.07
	CT1/4UNF25	2.5D	15.8	14.5			6.6	1.32
	CT1/4UNF30	3D	18.95	17.7			6.6	1.61
5/16--24	CT5/16UNF10	1D	7.9	5.5	9.40-9.78	9.65-10.16	8.2	0.76
	CT5/16UNF15	1.5D	11.9	9			8.2	1.24
	CT5/16UNF20	2D	15.9	12.8			8.2	1.77
	CT5/16UNF25	2.5D	19.9	15.7			8.2	2.17
	CT5/16UNF30	3D	23.9	19.2			8.2	2.65
3/8--24	CT3/8UNF10	1D	9.5	7	11.00-11.45	11.37-11.88	9.8	1.21
	CT3/8UNF15	1.5D	14.3	11			9.8	1.90
	CT3/8UNF20	2D	19.1	15.6			9.8	2.70
	CT3/8UNF25	2.5D	23.9	19.2			9.8	3.32
	CT3/8UNF30	3D	28.7	23.5			9.8	4.06
7/16--20	CT7/16UNF10	1D	11.1	6.5	12.90-13.40	13.30-13.70	11.4	1.76
	CT7/16UNF15	1.5D	16.7	11.1			11.4	3.00
	CT7/16UNF20	2D	22.3	15			11.4	4.06
	CT7/16UNF25	2.5D	27.9	18.5			11.4	5.00
	CT7/16UNF30	3D	33.5	22.7			11.4	6.14
1/2--20	CT1/2UNF10	1D	12.7	7.9	14.50-15.09	15.03-15.67	13.0	2.51
	CT1/2UNF15	1.5D	19.1	12.1			13.0	3.84
	CT1/2UNF20	2D	25.5	17.1			13.0	5.43
	CT1/2UNF25	2.5D	31.9	21.5			13.0	6.83
	CT1/2UNF30	3D	38.3	26.2			13.0	8.32
5/8--18	CT5/8UNF10	1D	15.9	9	17.88-18.57	18.61-19.25	16.2	4.54
	CT5/8UNF15	1.5D	23.8	14.5			16.2	7.30
	CT5/8UNF20	2D	31.8	19.5			16.2	9.82
	CT5/8UNF25	2.5D	39.6	25			16.2	12.59
	CT5/8UNF30	3D	47.5	30.6			16.2	15.41
3/4--16	CT3/4UNF10	1D	19.1	9.7	21.30-22.10	22.25-22.88	19.4	6.50
	CT3/4UNF15	1.5D	28.6	15.6			19.4	10.45
	CT3/4UNF20	2D	38.1	21			19.4	14.07
	CT3/4UNF25	2.5D	47.6	26.5			19.4	17.76
	CT3/4UNF30	3D	57.1	32			19.4	21.44

SIMPLE WRENCH 简易扳手

- Easy to use, generally suitable for repair kits.
- 使用简单,一般适用于维修套装。



SOCKET WRENCH 套筒扳手

- Recommended for small sizes and fine tooth sizes.
- 建议使用于小规格和细牙规格。



BREAKER 冲断器

- 利用瞬间冲击力折断钢丝螺套安装柄。
- 提高冲断效率,使冲断效果更佳。
- Use the instantaneous impact force to break the wire thread sleeve mounting handle.
- Improve the punching efficiency and make the punching effect better.



自动冲断器

REMOVER 卸套器

- 用于取出装入底孔中的钢丝螺套
- 使用方法: 用锤子敲打使其扎紧螺套内孔壁,反方向旋转使螺套取出。
使用简单不易伤及壳体本身。
(同样适用于锁紧型)
- Used to remove the wire thread insert installed in the bottom hole
- How to use: Use a hammer to hit the inner hole wall of the screw sleeve tightly, and rotate it in the opposite direction to take out the screw sleeve. It is easy to use and will not damage the casing itself. (Same applies to locking type)

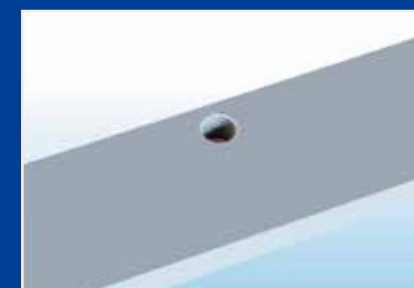


INSTALLATION 装配过程

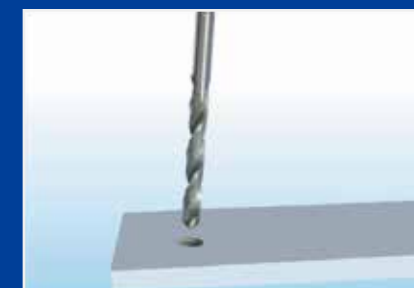
1. Drill out the damaged threads using the drill size specified in the catalog. Drill to a enough depth to accommodate the thread insert length and the bolt or screw being used.

1、钻孔

用表中 do 的尺寸钻孔, 钻孔深度大于或等于 L; 注意不要将孔钻成锥形, 不易选用磨损严重的钻头, 切屑不要掉入可能会引起损坏的地方。钻孔后允许去刺性质的铰孔, 铰孔不应超过 0.4P 深度, 铰孔过大不利于丝套的安装。



Base hole 基孔



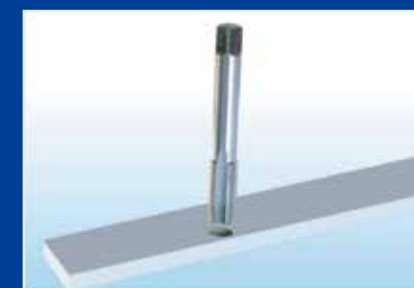
Drilling 钻孔

2. Tap the hole using the clcoil insert tap. Tap the hole to enough depth to accommodate the insert length and the bolt or screw being used.

2、攻丝

用相应规格的丝套专用丝锥攻丝, 攻丝的长度必须超过丝套长度, 对于通孔要全部攻丝, 攻丝的精度决定最终标准内螺纹孔的公差带, 用户可根据所需内螺孔的精度, 适当选择攻丝方法和润滑方式, 盲孔攻丝时要用力适当, 以防止丝锥折断。

攻丝后应清理螺纹孔, 可用压缩空气喷枪吹, 盲孔还应使用带径向孔的长喷枪自下而上清理, 也可以用清洗的方法清理。



Tapping 攻丝

3. Put the Clcoil insert onto the mandrel of the installation tool(Or electric power tool),Put the installation tool over the hole and wind the insert into the hole until the top coil is 1/4 to 1/2 turn below the top surface. After installation, the helical thread insert will have nearly the same structural integrity as the original threads.

3、安装

钢丝螺套放入安装扳手内，使安装柄嵌入芯轴槽内转动安装扳手手柄使钢丝螺套通过安装扳手上的引导螺纹旋入螺纹底孔，并使其距基体表面留有 1-1.5P 的空螺纹。

钢丝螺套装配过程中持续扭力过大易造成安装困难，将套筒（扳手芯轴不动）穿插逆时针转动即得以解决。



Place insert on tools 装套



Install 安装

4.After Installation,The Clcoil thread insert will have nearly the same structural integrity as the original threads.

4、折断安装柄

通孔时，要将丝套安装柄冲断，一般用冲断器对准安装柄，用 200g 左右的榔头猛击一下即可去除，对于 18×2.5 以上的粗牙丝套和 14×1.25 以上的细牙丝套，用尖嘴钳上下弯曲安装柄就可去除。



Break off the tang 拆柄

5.Place the tang break-off tool squarely on the tang of the insert and then give it a sharp blow with a hammer ;After installation, the Clcoil thread insert will have nearly the same structural integrity as the original threads.

5、取出钢丝螺套

在安装过程中出现问题或由于丝套使用时间过久需要取出，应当使用卸套器，将卸套器放入丝套内孔，对准手柄用榔头猛击一下，用手向下加力按住手柄反螺纹旋转即可取出丝套。



Take out the insert 取出钢丝螺套

The tangless threaded insert is the same as the ordinary wire threaded insert. It is a high-end threaded fastener. It is made of high-strength, high-precision and corrosion-resistant stainless steel raw wire which is rolled into a diamond shape and then rolling. It is shaped like a spring and is installed in a specific threaded hole of the body. Its inner surface forms a standard thread. When it is matched with a screw (bolt), the threaded joint strength and wear resistance can be significantly improved. Especially in low-strength materials such as Aluminum, Magnesium, Castings, and Plastics. At the same time, the force of the thread is improved, the threaded connection is formed into an elastic connection, the pitch and the half-angle error between the inner and outer threads are eliminated, the load on the thread is evenly distributed, the base thread is protected from being damaged, and extended using time. The tangless threaded insert has excellent corrosion resistance, high temperature resistance and wear resistance, ensuring suitability in various environments, preventing thread rust, jamming, tripping.

无尾螺套同普通钢丝螺套一样，一种高端螺纹紧固件，它是由高强度、高精度、耐腐蚀的不锈钢原线精轧成菱形后绕制而成。形如弹簧，安装在基体特定螺纹孔中，其内表面形成标准螺纹，与螺钉（螺栓）配合时，可明显提高螺纹连接强度和耐磨性。特别在铝，镁，铸件，塑料等低强度材料上。同时，改善了螺纹的受力情况，形成弹性连接，消除了内外螺纹之间的螺距和牙型半角误差，使螺纹上的负荷均匀分布，保护了基体螺纹不被损坏，延长了使用寿命。无尾螺套由于具有优良的耐腐蚀，抗高温，抗磨损，能在多种环境下确保及适用性，防止螺纹锈死，卡死，脱扣等现象发生。



普通型-Free Running

锁紧型-Locking

MARKING METHOD: 标记方法



ITEM NO 产品编码		SIZE 规格	Length (L) 长度	OD---Free Coil (Outer Diameter) 标准外径		NC (Number of Coils) 圈数	Normal Delivery 交付外径	
(FREE) 普通型	(LOCK) 锁紧型			MIN 最小	MAX 最大		①	②
2CTTL0210	2CTTL0210L	WT2*0.4	1D	2.5	2.7	3-1/4	2.5±0.02 2.48-2.52mm	
2CTTL0215	2CTTL0215L		1.5D			5-1/2		
2CTTL0220	2CTTL0220L		2D			7-3/4		
2CTTL0225	2CTTL0225L		2.5D			10-1/8		
2CTTL0230	2CTTL0230L		3D			12-3/8		
2CTTL02510	2CTTL02510L	WT2.5*0.45	1D	3.2	3.7	3-3/8	3.15±0.02 3.13-3.17mm	3.2±0.02 3.18-3.22mm
2CTTL02515	2CTTL02515L		1.5D			5-3/4		
2CTTL02520	2CTTL02520L		2D			8-1/8		
2CTTL02525	2CTTL02525L		2.5D			10-1/2		
2CTTL02530	2CTTL02530L		3D			12-3/4		
2CTTL0310	2CTTL0310L	WT3*0.5	1D	3.8	4.35	3-3/4	3.73±0.02 3.71-3.75mm	3.8±0.02 3.78-3.82mm
2CTTL0315	2CTTL0315L		1.5D			6-3/8		
2CTTL0320	2CTTL0320L		2D			8-7/8		
2CTTL0325	2CTTL0325L		2.5D			11-3/8		
2CTTL0330	2CTTL0330L		3D			13-7/8		
2CTTL0410	2CTTL0410L	WT4*0.7	1D	5.05	5.60	3-5/8	4.95±0.03 4.92-4.98mm	5.05±0.02 5.03-5.07mm
2CTTL0415	2CTTL0415L		1.5D			6-1/8		
2CTTL0420	2CTTL0420L		2D			8-5/8		
2CTTL0425	2CTTL0425L		2.5D			11-1/8		
2CTTL0430	2CTTL0430L		3D			13-5/8		
2CTTL0510	2CTTL0510L	WT5*0.8	1D	6.2	6.80	4-1/8	6.13±0.03 6.1-6.16mm	6.2±0.02 6.18-6.22mm
2CTTL0515	2CTTL0515L		1.5D			6-7/8		
2CTTL0520	2CTTL0520L		2D			9-5/8		
2CTTL0525	2CTTL0525L		2.5D			12-3/8		
2CTTL0530	2CTTL0530L		3D			15-1/8		
2CTTL0610	2CTTL0610L	WT6*1	1D	7.40	7.95	4	7.4±0.02 7.38-7.42mm	
2CTTL0615	2CTTL0615L		1.5D			6-3/4		
2CTTL0620	2CTTL0620L		2D			9-1/2		
2CTTL0625	2CTTL0625L		2.5D			12-1/8		
2CTTL0630	2CTTL0630L		3D			14-7/8		
2CTTL0810	2CTTL0810L	WT8*1.25	1D	9.80	10.35	4-1/2	9.8±0.02 9.78-9.82mm	
2CTTL0815	2CTTL0815L		1.5D			7-3/8		
2CTTL0820	2CTTL0820L		2D			10-1/4		
2CTTL0825	2CTTL0825L		2.5D			13-1/4		
2CTTL0830	2CTTL0830L		3D			16-1/8		
2CTTL01010	2CTTL01010L	WT10*1.5	1D	11.95	12.50	4-7/8	11.95±0.02 11.93-11.97mm	
2CTTL01015	2CTTL01015L		1.5D			8		
2CTTL01020	2CTTL01020L		2D			11-1/8		
2CTTL01025	2CTTL01025L		2.5D			14-1/4		
2CTTL01030	2CTTL01030L		3D			17-3/8		
2CTTL01210	2CTTL01210L	WT12*1.75	1D	14.30	14.70	5	14.3±0.02 14.28-14.32mm	
2CTTL01215	2CTTL01215L		1.5D			8-1/4		
2CTTL01220	2CTTL01220L		2D			11-1/2		
2CTTL01225	2CTTL01225L		2.5D			14-5/8		
2CTTL01230	2CTTL01230L		3D			17-7/8		



M2



M10

1

Screw the insert, Keep the tool perpendicular to the threadinsert.

1.准备旋入螺套，螺纹杆与螺套保持垂直。



M2



M10

2

Screw in the bottom hole, keep the installation /power tool perpendicular to the bottom hole, do not press the installation tool too tightly on the bottom hole, try to keep it vertical, adjust the nylon sleeve, and adjust the installation depth.

2.旋入底孔，安装/电动工具与底孔保持垂直，安装工具不要在底孔上面压的太紧，尽量保持垂直，调节尼龙套，调整安装深度。



M2



M10

3

Check if the depth of the screw insert is installed in place and completed

3.检查螺套深度是否安装到位，安装完成。

SELF-TAPPING THREAD INSERT

自攻螺套



SELF-TAPPING THREAD INSERT 自攻螺套

自攻螺套也叫自攻牙套，是一种新型的加强螺纹强度的紧固件，自攻螺套内外都有牙纹，嵌入塑料、铝合铸铁、铜等较软材料内，可以形成较高强度的内螺纹孔，自攻螺套亦可对已坏的内螺纹进行修复。

Self-tapping thread inserts, also called self-tapping thread inserts, are a new type of fastener that enhances thread strength. The self-tapping thread inserts have threads on the inside and outside. They are embedded in softer materials such as plastic, aluminum cast iron, and copper, and can form a thinner thread. High-strength internal thread holes and self-tapping thread inserts can also repair damaged internal threads.



MATERIAL 材料

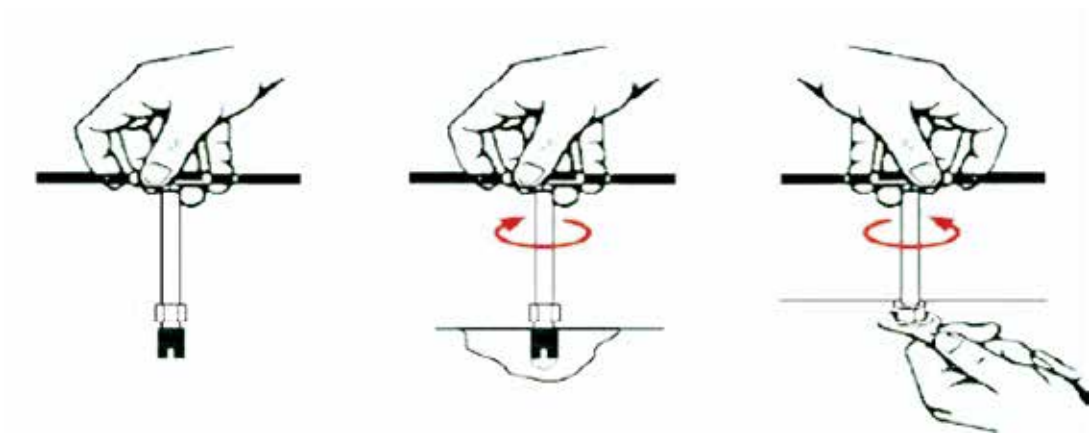
- 碳钢：镀彩锌，适用于铝合金，铜合金，塑料等为工程强度较低的基材上。
- 不锈钢：适用于铸铁等强度较高的产品上。
- Carbon steel: Colored zinc plated, suitable for aluminum alloy, copper alloy, plastic and other base materials with low engineering strength.
- Stainless steel: suitable for products with higher strength such as cast iron.



FEATURES 特点

- 1、自攻螺套具有自行攻螺纹能力，母材不必预先攻牙，节省成本支出。
- 2、和成品接触面大，承受拉力强，产品设计时可使用较低强度之材料。
- 3、对于已磨损或溃牙之母螺纹具有修护作用，使用自攻螺套可继续使用相同的螺丝。
- 4、对振动抵抗力强，可防止松动。与母材无余隙，母材若含气泡时亦有良好的气密性。
- 5、自攻螺套安装简便、迅速,只须一种装配工具，成本低，几乎无不良率。
1. Self-tapping thread inserts have the ability to self-tapping threads. The base material does not need to be tapped in advance, saving costs.
2. The contact surface with the finished product is large and it can withstand strong tensile force. Lower strength materials can be used in product design.
3. It has a repair effect on the worn or corroded female threads. The same screws can be continued to be used by using self-tapping thread inserts.
4. Strong resistance to vibration and can prevent loosening. There is no gap with the base material, and it has good air tightness even if the base material contains bubbles.
5. Self-tapping thread inserts are easy and fast to install, requiring only one assembly tool, low cost, and almost no defective rate.

INSTALLATION 安装



SELF TAPPING INSERT TOOL SIZE TABLE
自攻螺套工具尺寸表

Self tapping insert tool size table 自攻螺套工具尺寸表			
SIZE 规格	LENGTH总长 NO THREAD(不含螺丝)	DVA 柄径	SQUARE 四方
M3	75	9	7
M4	75	9	7
M5	75	9	7
M6	75	9	7
M8	85	12.5	10
M10	85	12.5	10
M12	85	12.5	10
M16	95	16	12



SELF-TAPPING INSERT
SPECIFICATION PARAMETER TABLE

自攻螺套规格参数表

302 / 337 / 307 / 308 SELF TAPPING WITH CUTTING SLOT.

302 type is recommended used in most applications. In some materials,it provides perfect specific a screw thread lock effect. If not yet, suggest use 307/308 type. 307/308 type made a major breakthrough in the field of material removal difficult.It not only has a thick wall, there are three circular hole with cutting ability scattered in the wall. 307/308 suitable for the material thickness is not very comfortable.

其中开槽型302自攻螺套被推荐应用于大多数应用领域。在某些材料上，这种螺套提供完美的特定螺纹锁功效。如果还不行，一般推荐使用 307/308型，307/308型在材料切割困难方面做出了重大的突破。这种产品不但有很厚的壁，还有三个具有切削能力的圆孔分散于壁上，307/308产品特别适用于材料厚度不太宽裕的情况下。



PART NO. 编号	METRIC THREAD 公制螺纹 d1	SPECIAL EXTERNAL THREAD 外螺纹 d2 P		TOTAL LENGTH 总长度L L	The reference hole diameter 参考孔径			MIN.HOLE DEPTH 最小钻孔 深度
					Plastics 塑料	Aluminium alloy 铝合金	Cast iron products 铸铁	
0020006	M2	4.5	0.5	6	4.1	4.1--4.2	4.2--4.3	8
0025006	M2.5	4.5	0.5	6	4.1	4.1--4.2	4.2--4.3	8
0030006	M3	5	0.5	6	4.6	4.6--4.7	4.7--4.8	8
0035008	M3.5	6	0.75	8	5.4	5.5--5.6	5.6--5.7	10
0040008	M4	6.5	0.75	8	5.9--6.0	6.0--6.1	6.1--6.2	10
0050010	M5	8	1.0	10	7.2--7.3	7.3--7.5	7.5--7.6	13
0060012	M6	9	1.0	12	8.2--8.3	8.3--8.5	8.5--8.6	15
0060014	M6	10	1.5	14	8.8--9.0	9.0--9.2	9.2--9.4	17
0080015	M8	12	1.5	15	10.8--11.0	11.0--11.2	11.2--11.4	18
0100018	M10	14	1.5	18	12.8--13.0	13.0--13.2	13.2--13.4	22
0120022	M12	16	1.5	22	14.8--15.0	15.0--15.2	15.2--15.4	26
0140024	M14	18	1.5	24	16.8--17.0	17.0--17.2	17.2--17.4	28
0160022	M16	20	1.5	22	18.8--19.0	19.0--19.2	19.2--19.4	27
0180024	M18	22	1.5	24	20.8--21.0	21.0--21.2	21.2--21.4	29
0200027	M20	26	1.5	27	24.8--25.0	25.0--25.2	25.2--25.4	32
0220030	M22	26	1.5	30	24.8--25.0	25.0--25.2	25.2--25.4	36
0240030	M24	30	1.5	30	28.8--29.0	29.0--29.2	29.2--29.4	36



307/308



PART NO. 编号	METRIC THREAD 公制螺纹 d1	SPECIAL EXTERNAL THREAD 外螺纹 d2 P		TOTAL LENGTH L	The reference hole diameter 参考孔径			MIN.HOLE DEPTH 最小钻孔 深度
					Plastics 塑料	Aluminium alloy 铝合金	Castiron products 铸铁	
SL307 0030004	M3	5	0.6	4	4.6 --4.7	4.7 --4.7	4.7 --4.8	6
SL308 0030006				6				8
SL307 0035005	M3.5	6	0.8	5	5.5 --5.6	5.6 --5.6	5.6 --5.7	7
SL308 0035008				8				10
SL307 0040006	M4	6.5	0.8	6	6.0 --6.1	6.1 --6.1	6.1 --6.2	8
SL308 0040008				8				10
SL307 0050007	M5	8	1	7	7.4 --7.5	7.5 --7.6	7.6 --7.7	9
SL308 0050010				10				13
SL307 0060008	M6	10	1.25	8	9.3 --9.4	9.4 --9.5	9.5 --9.6	10
SL308 0060012				12				15
SL307 0080009	M8	12	1.5	9	11.1 --11.2	11.2 --11.3	11.3 --11.5	11
SL308 0080014				14				17
SL307 0100010	M10	14	1.5	10	13.1 --13.2	13.2 --13.3	13.3 --13.5	13
SL308 0100018				18				22
SL307 0120012	M12	16	1.75	12	15.0 --15.1	15.1 --15.2	15.2 --15.4	15
SL308 0120022				22				26
SL307 0140014	M14	18	2	14	17.0 --17.1	17.1 --17.2	17.2 --17.4	17
SL308 0140024				24				28
SL307 0160014	M16	20	2	14	19.0 --19.1	19.1 --19.2	19.2 --19.4	17
SL308 0160024				24				28



337/338

PART NO. 编号	METRIC THREAD 公制螺纹 d1	SPECIAL EXTERNAL THREAD 外螺纹 d2 P		TOTAL LENGTH 总长度 L	The reference hole diameter 参考孔径			MIN.HOLE DEPTH 最小钻孔 深度
					Plastics 塑料	Aluminium alloy 铝合金	Castiron products 铸铁	
SL337 0030004	M3	5	0.6	4	4.6 --4.7	4.7 --4.7	4.7 --4.8	6
SL338 0030006				6				8
SL337 0035005	M3.5	6	0.8	5	5.5 --5.6	5.6 --5.6	5.6 --5.7	7
SL338 0035008				8				10
SL337 0040006	M4	6.5	0.8	6	6.0 --6.1	6.1 --6.1	6.1 --6.2	8
SL338 0040008				8				10
SL337 0050007	M5	8	1	7	7.4 --7.5	7.5 --7.6	7.6 --7.7	9
SL338 0050010				10				13
SL337 0060008	M6	10	1.25	8	9.3 --9.4	9.4 --9.5	9.5 --9.6	10
SL338 0060012				12				15
SL337 0080009	M8	12	1.5	9	11.1 --11.2	11.2 --11.3	11.3 --11.5	11
SL338 0080014				14				17
SL337 0100010	M10	14	1.5	10	13.1 --13.2	13.2 --13.3	13.3 --13.5	13
SL338 0100018				18				22
SL337 0120012	M12	16	1.75	12	15.0 --15.1	15.1 --15.2	15.2 --15.4	15
SL338 0120022				22				26
SL337 0140014	M14	18	2	14	17.0 --17.1	17.1 --17.2	17.2 --17.4	17
SL338 0140024				24				28
SL337 0160014	M16	20	2	14	19.0 --19.1	19.1 --19.2	19.2 --19.4	17
SL338 0160024				24				28



KEYSERT 插销螺套

The latch nut is a special fastener with internal and external threads and four or two latch keys on the external thread. The latch nut is inserted into the tapped bottom hole, and then the four latch pins are pressed in to achieve the desired effect. Strong fastening effect.

插销螺套是一种内外都有螺纹，外螺纹上有四根或者两根插销键的特异紧固件，插销螺套装入攻丝后的底孔中，再把四根插销压入，起到强劲的紧固作用。

FEATURE 特点

1. Easy to install, high strength and long life

2. Install using standard drill bits and taps

3. Significant increase in torque and load capacity for weaker materials

4. Can be used in many materials: aluminum, magnesium, cold rolled steel

5. Easy to disassemble
- 1.安装方便，强度高，寿命高

2.使用标准钻头和丝攻进行安装

3.显著增加转矩和负载能力较弱的材料

4.可用于许多材质:铝，镁，冷轧钢

5.便于拆卸



TYPES 类型



Free Running 普通型



Locking 锁紧型

The following series can be used as locking type
以下系列可做锁紧型



Thin wall type 薄壁型



heavy duty 重型



extra heavy duty 特重型



solid type 实心型

KEYSERT SPECIFICATION TABLE (LNSTALLATION PARAMETERS)
插销螺套规格表 (安装参数)

Keysert Specification Table (Installation Parameters) 插销螺套规格表 （安装参数）									
Thinwall Metric 轻型									
订购编码 (Part No.)	内螺纹规格 Internal Thread	外螺纹规格 External Thread	长度Length	INSTALLATION		ThreadTap丝锥		REMOVAL 拆卸	
				Tap Drill Size 丝锥尺寸	C'Sink Diameter +.025/- .00	Size Class 精度 6H	Min Depth 最小深度	Drill 钻头	
KNTM2*0.4	M2*0.4	M4*0.7	3MM	3.4	4.1	M4*0.7	4.0	2.8	2.00
KNTM2.5*0.45	M2.5*0.45	M4.5*0.75	3.8MM	3.9	4.6	M4.5*0.75	5.0	3.0	2.00
KNTM3*0.5	M3*0.5	M5*0.8	4.25MM	4.4	5.1	M5*0.8	5.5	3.5	2.25
KNTM4*0.7	M4*0.7	M6*0.75	5.25MM	5.5	6.1	M6*0.75	6.5	4.6	2.50
KNTM5*0.8	M5*0.8	M8*1.25	8MM	6.9	8.25	M8*1.25	9.5	5.5	4
KNTM6*1	M6*1	M10*1.25	10MM	8.8	10.25	M10*1.25	11.5	7.5	4.75
KNTM8*1.25	M8*1.25	M12*1.25	12MM	10.8	12.25	M12*1.25	13.5	9.5	4.75
KNTM8*1	M8*1	M12*1.25	12MM						
KNTM10*1.5	M10*1.5	M14*1.5	14MM	12.8	14.25	M14*1.5	15.5	11.5	4.75
KNTM10*1.25	M10*1.25	M14*1.5	14MM						
KNTM12*1.75	M12*1.75	M16*1.5	16MM	14.75	16.25	M16*1.5	17.5	13.5	4.75

Heavy Duty Metric 重型									
KNHM4*0.7	M4*0.7	M8*1.25	8MM	6.9	8.25	M8*1.25	9.5	5.5	4
KNHM5*0.8	M5*0.8	M10*1.25	10MM	8.8	10.25	M10*1.25	12.5	7.5	4.75
KNHM6*1	M6*1	M12*1.25	12MM	10.8	12.25	M12*1.25	14.5	9.5	4.75
KNHM8*1.25	M8*1.25	M14*1.5	14MM	12.8	14.25	M14*1.5	16.5	11.5	4.75
KNHM8*1	M8*1	M14*1.5	14MM						
KNHM10*1.5	M10*1.5	M16*1.5	16MM	14.75	16.25	M16*1.5	18.5	13.5	4.75
KNHM10*1.25	M10*1.25	M16*1.5	16MM						
KNHM12*1.75	M12*1.75	M18*1.5	18MM	16.75	18.25	M18*1.5	20.5	15.5	4.75
KNHM12*1.25	M12*1.25	M18*1.5	18MM						
KNHM14*2	M14*2	M20*1.5	20MM	18.75	20.25	M20*1.5	22.5	17.5	4.75
KNHM14*1.5	M14*1.5	M20*1.5	20MM						
KNHM16*2	M16*2	M22*1.5	22MM	20.5	22.25	M22*1.5	24.5	17.75	6.35
KNHM16*1.5	M16*1.5	M22*1.5	22MM						
KNHM18*1.5	M18*1.5	M24*1.5	24MM	22.5	24.25	M24*1.5	26.5	19.75	6.35
KNHM20*2.5	M20*2.5	M30*2	30MM	28	30.25	M30*2	34.5	25.75	6.35
KNHM20*1.5	M20*1.5	M30*2	30MM						
KNHM24*3	M24*3	M33*2	33MM	31	33.25	M33*2	37.5	28.75	6.35
KNHM24*2	M24*2	M33*2	33MM						
KNHM22*1.5	M22*1.5	M32*2	32MM	30	32.25	M32*2	36.5	27.75	6.35

British system 英制									
Heavy Duty Metric 重型									
KNH8-32	8-32	5/16-18	.31	"I"	0.32	5/16-18	0.37	7/32	1/8
KNH10-24	10-24	3/8-16	.31	"Q"	0.38	3/8-16	0.37	9/32	1/8
KNH10-32	10-32								
KNH1/4-20	1/4-20	7/16-14	.37	"X"	0.44	7/16-14	0.43	11/32	3/16
KNH1/4-28	1/4-28								
KNH5/16-18	5/16-18	1/2-13	.43	29/64	0.51	1/2-13	0.50	13/32	3/16
KNH5/16-24	5/16-24								
KNH3/8-16	3/8-16	9/16-12	.50	33/64	0.57	9/16-12	0.56	15/32	3/16
KNH3/8-24	3/8-24								
KNH7/16-14	7/16-14	5/8-11	.62	37/64	0.63	5/8-11	0.68	17/32	3/16
KNH7/16-20	7/16-20								
KNH1/2-13	1/2-13	3/4-16	.62	45/64	0.76	3/4-16	0.68	21/32	3/16
KNH1/2-20	1/2-20								
KNH9/16-12	9/16-12	3/4-16	.81	45/64	0.76	3/4-16	0.94	21/32	3/16
KNH9/16-18	9/16-18								

订购编码 (Part No.): 普通型插销螺套KNTM2*0.4, 锁紧型插销螺套KNTMSLM2*0.4
Part No.: NonLockingKNTM2*0.4, Locking KNTMSLM2*0.4

Thinwall Metric 轻型									
KNT10-24	10-24	5/16-18	.31	"I"	0.32	5/16-18	0.37	7/32	1/8
KNT10-32	10-32								
KNT1/4-20	1/4-20	3/8-16	.37	"Q"	0.38	3/8-16	0.43	9/32	3/16
KNT1/4-28	1/4-28								
KNT5/16-18	5/16-18	7/16-14	.43	"X"	0.44	7/16-14	0.50	11/32	3/16
KNT5/16-24	5/16-24								
KNT3/8-16	3/8-16	1/2-13	.50	29/64	0.51	1/2-13	0.56	13/32	3/16
KNT3/8-24	3/8-24								
KNT7/16-14	7/16-14	9/16-12	.56	33/64	0.57	9/16-12	0.62	15/32	3/16
KNT7/16-20	7/16-20								
KNT1/2-13	1/2-13	5/8-11	.62	37/64	0.63	5/8-11	0.68	17/32	3/16
KNT1/2-20	1/2-20								

INSTALLATION 安装

- 1、钻孔: 钻孔深度应大于插销螺套长度。注意, 攻丝尺寸比通常号码大。

2、攻螺纹: 所攻螺纹规格应与插销螺套外螺纹的规格相对应。

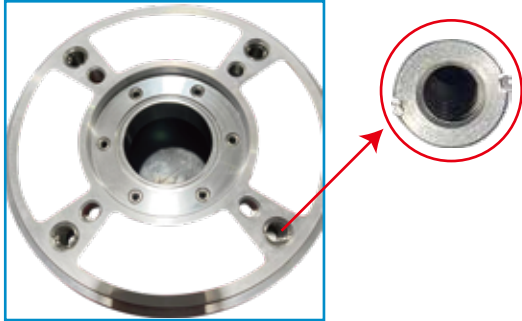
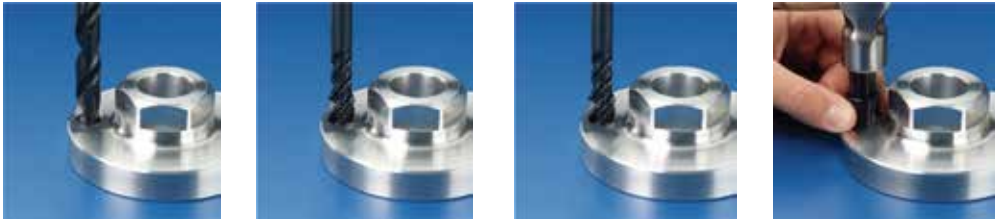
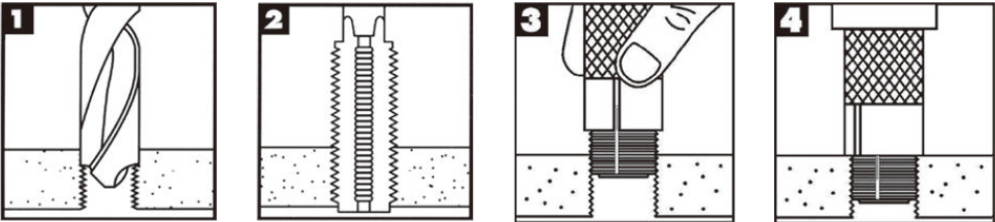
3、安装: 将插销螺套拧入对应的螺纹孔内, 并要求插销螺套低于工件表面。

4、锁键: 将插销螺套的插销键压入底孔。
- 1.Drilling: the depth of drilling should be greater than the keysert length.

2.Tapping: the tapped thread correspond to the external thread.

3.Installation: screw the keysert into the corresponding threaded hole and below surface.

4.Locking key: Drive keys into the hole with the proper installation tool.



CNC SCREW MACHINE

CNC螺套机

THE SMALL
SCREW MACHINE
小型螺套机



M2-M8
(P0.4-1.25)



全自动送线架

THE MEDIUM
SCREW MACHINE
中型螺套机



M10-M20
(P1.5-2.5)



ADVANTAGE 优点

- Efficient and stable
- Winding, punching, grooving, integrated CNC forming machine.
- 高效，稳定
- 绕制，冲断，开槽，一体数控成型机。

Mini machine accessories 小型机配件		
Size : 100*100*160 尺寸：100*100*160		
Name 名称	Number 数量	power 功率
servo motor 伺服电机	5	400W
Reducer 减速机	2	1:3
Slotted motor 开槽电机	1	370W

Medium machine accessories 中型机配件		
Size: 120*100*160 尺寸：120*100*160		
名称	数量	功率
Servo motor 伺服电机	3	400W
Servo motor 伺服电机	1	750W
Servo motor 伺服电机	1	1000W
Reducer 减速机	2	1:3
Slotted motor 开槽电机	1	750W

- 1.Purchasing Taiwan imported computer system and imported servo motor;
 - 2.The interface of computer is Chinese with easy operation and accurate positioning. The computer can control three to eight servo motors. And All the motors can operation synchronously or run separately;
 - 3.With a precision detection and tracking system and once there was unqualified products, the machine can stop automatically;
 - 4.According to the working condition of the screen, man can corrects the outer diameter angle at any time.
 - 5.The design of automatic lubrication oil supply can ensure the long time running.
 - 6.The machine can stop automatically when wireless, disconnection, and tangled lines condition appear; The threadstand can speed up automatically. The machine can runs more effectively.
- 1、采购台湾进口电脑系统及进口伺服电机；
 - 2、电脑操作界面，操作简单，定位准确。计算机可以控制三到八个伺服电机。所有的电动机可以同步运行或单独运行；
 - 3、具有精密检测和跟踪系统，一旦有不合格的产品，该机可自动停机；
 - 4、根据屏幕的工作情况，可以随时纠正外直径的角度。
 - 5、自动润滑供油系统的设计，保证了长时间的运行。
 - 6、机器可以自动停止当无线、断线、缠绕的线条件出现的threadstand可以自动加速。这台机器可以更有效地运行。