



双帆集团



鑽/尾/螺/絲/領/航/者

索尼克精密五金工业（昆山）有限公司

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微 信 公 众 号



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公司简介 COMPANY PROFILE

》 索尼克精密五金工业(昆山)有限公司 《》

SONEC ENTERPRISE (KUNSHAN) CO.,LTD

双帆集团旗下索尼克精密五金工业(昆山)有限公司:“北塔”钻尾自钻螺丝是中国第一家生产制造厂商,至今已有三十余年的生产历史。

五金建筑类的钻尾自钻螺丝和抽芯拉钉规格齐全,通过美国AQSR质量管理体系ISO9001:2000认证。其技术力量雄厚,“好而不贵”是北塔紧固系列的标志,完善的售后服务,及时的跟踪用户,深获国内外广大用户的支持和信赖。产品已达到国际先进水平,远销四十余个国家和地区。

北塔的PIAS钻尾不锈钢

螺丝及SUPER PIASTA不锈钢耐蚀性复合金属钻尾螺丝为世界首创,全不锈钢钻尾螺丝,切削能力比用铣刀更优,特别是低转速重切削已达到世界先进水平。不锈钢材质的有410、304、316、550等,其中550专利不锈钢材质,其高硬度,高强度,高耐腐蚀性,盐雾实验可达5000小时以上,是高科技创新产品。

低碳钢材质的螺丝表面涂层有五彩锌、兰白锌及达克罗,耐腐蚀程度分别经得起48小时、1000~2000小时的盐雾试验。

钻尾螺丝的头型有六角

大华司、六角小华司、圆头十字、沙拉头、圆头华司、威华头、喇叭头、大扁平头(六角头头部均可按客户要求制作烤漆、尼龙头、不锈钢304材质白铁帽),拉钉材质形成低镁合金、高镁合金、全铁、不锈钢系列,头形有半圆头和沙拉头。品牌一贯坚持科学管理、技术创新、信守合同的质量方针,愿与国内外企业携手共图大业。且“集团”旗下尚有多种品牌产品,如:有机农业,环保绿能,建筑工程,五金建筑.....!

Shuangfan Group's Sonec Enterprise (Kunshan) Co., Ltd "Patta" is the first manufacturer in China for self-drilling screws. We have more than 30 years of production history. We provide complete specifications of our hardware architecture series self-drilling screws and blind rivets. we meet all the requirements for the U.S. AQSR quality management system ISO9001:2000 certification. Technical prowess, "good and inexpensive" are the motto of the "Patta" fastening series. With perfect after-sales service, regular checkup on costumers, has brought support and trust of users home and abroad. Exceeding international standards, our products are sold to more than 40 countries and regions around the world. Patta's "PIAS" stainless steel drilling screw and "SUPER PIASTA" stainless steel corrosion

resistance composite metal drilling screw are the world's first. All stainless steel drilling screw construction, enables cutting ability better than milling cutter, especially in "low speed heavy cutting" has reached the international standard. We provide an array of stainless steel options such as 410/304/316/550 stainless steel, and so on. The 550 patent stainless steel material with its high hardness, high strength, high corrosion resistance can withstand salt spray test more than 5000 hours, is one of our newest innovative products. Our low carbon steel screws are surface coated with colorful zinc, blue and white zinc and Dacromet, the corrosion resistance were able to withstand 48 hours and 1000 to 2000 hours of salt spray test. Self-drilling screws are provided in Hex washer head, Pan phillips,

countersunk phillips, wafer Phillips (All of the hex washer heads can be customized to specified coating, nylon head and 304 stainless steel cap drilling screws), Blind Rivet materials come in low magnesium alloy, high magnesium alloy, all iron, stainless steel series, head shapes come in semi-round head and salad head. Scientific management, technological innovation, and abiding by the contract are our brand policies to unsurpassed quality. We would like to join hands with domestic and foreign enterprises to create more opportunities. The Shuangfan Group's provides different fields of product for agriculture, green environmental, construction, and hardware construction...





SONEC ENTERPRISE
(KUNSHAN) CO., LTD
索尼克精密五金工业(昆山)有限公司

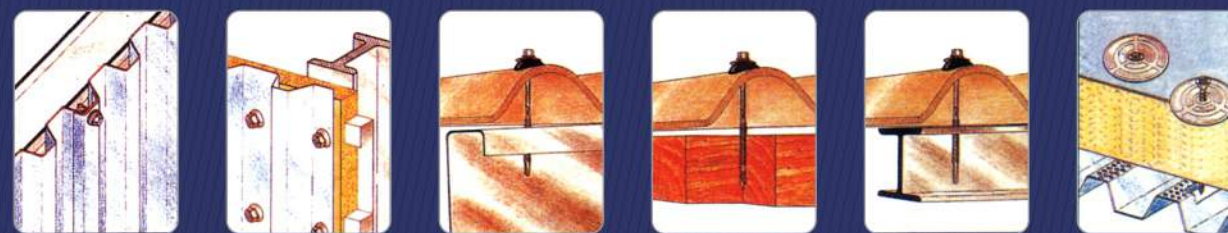


Product Application 主要应用情况

省时省力 Save time and effort



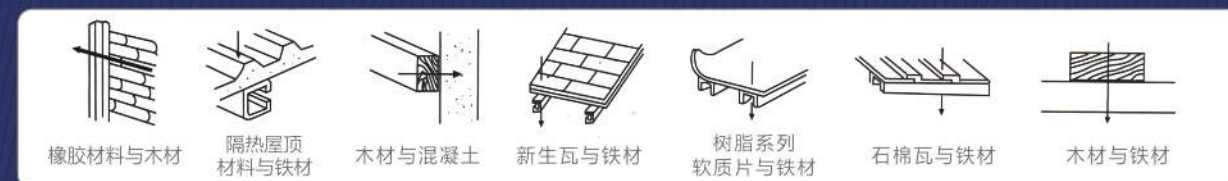
定位精准 Accurate Positioning



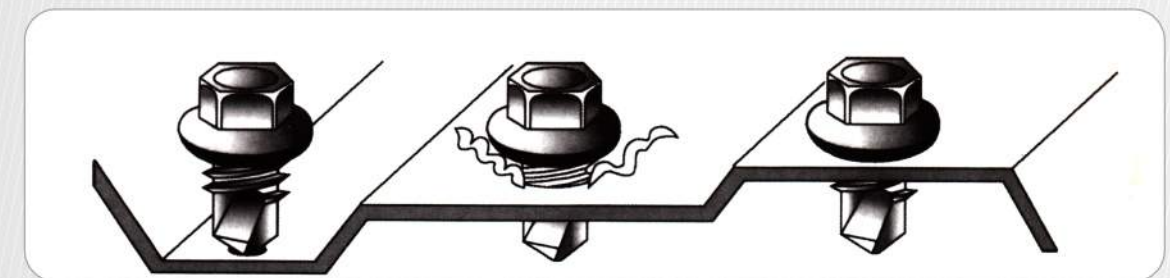
轻松安装 Easy to install



灵活运用 Flexible use



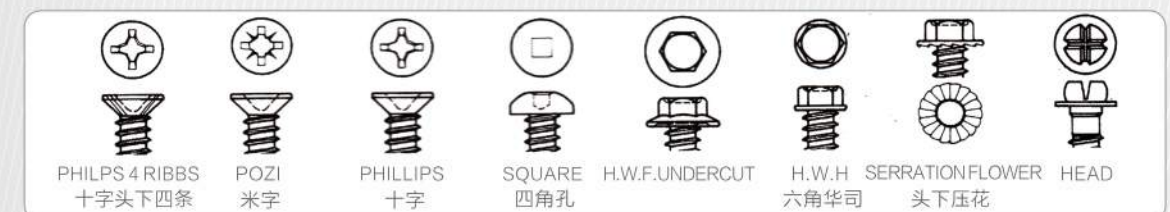
Self-drilling Screws 钻尾自钻螺丝



头型 HEAD STYLES



孔别 HEAD RECESS



牙型 THREADS



钻尾 POINTS



PLATING 电镀

PL: PLAIN 白皮

YZ: YELLOW ZINC 五彩

ZN: ZINC 锌

KP: BLACK PHOSPHATED 黑磷酸盐

BP: GREY PHOSPHATED 灰磷酸盐

BZ: BLZCK ZINC 黑锌

BO: BLACK OXIDE 染黑

DC: DACROTIZED 达可锈

RS: RUSPERT 路锈宝

XY: XYLAN 耐炼



NSSC 550 Stainless steel self-drilling screws NSSC 550不锈钢钻尾螺丝系列



材质特性 | Material properties

- 热处理后硬度可达615-630Hv，超过1022和410材质添加了Mo和更多的Cr,耐腐蚀性超过304材质。

产品特点 | Features

- 高硬度：五号尾螺丝可钻透3mm的304不锈钢板，或者12mm碳钢钢板。
- 高强度：最高1800MPa,是304不锈钢的3倍。
- 高耐腐蚀：盐雾测试保证5000小时以上，最高耐腐蚀10000小时还没有任何变化，酸雨测试30cycles以上，最高的到70cycles以上没有生锈。

- After heat treating, the hardness can reach up to 615-630Hv, more than 1022 and 410 materials, Adding Mo and more Cr, corrosion resistance exceeds 304 material.

- High hardness (No 5 self-drilling screws can penetrate 3mm 304 stainless steel plate, or 12mm carbon steel plate)
- High strength (up to 1800MPa, 3 times that of 304 stainless steel)
- High corrosion resistance (salt spray test to ensure more than 5000 hours, the maximum corrosion resistance to 10,000 hours without any change. Acid rain test of 30 cycles and above, with highest of 70 cycles shows no sign of rust.

盐雾测试 (Salt spray test) (Test conditions)JIS X 2371,240hours



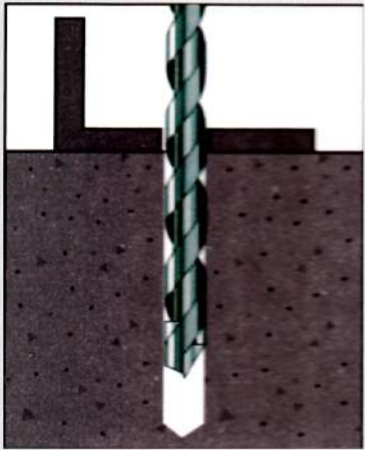
NSSC 550 stainless steel screws
NSSC 550不锈钢水泥螺钉



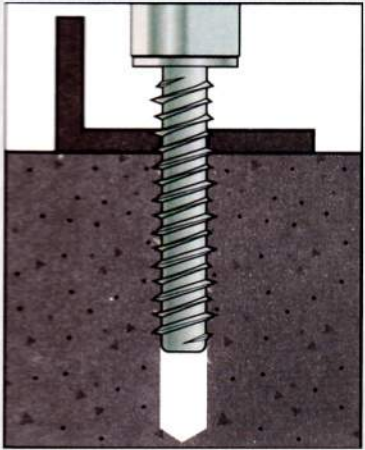
材质特性 | Material properties

- 高耐腐蚀性，抗腐蚀特性优于316不锈钢。
- 机械性质优于316不锈钢。
- 省时省力（节省50%工时）。
- 可以高度灵活的运用。
- 避免损坏/避免复杂的安装。
- 使用前不需要复杂的工程计算。
- 适用于中型/重型工程
- High corrosion resistance, corrosion resistance is better than 316 stainless steel
- Mechanical properties better than 316 stainless steel.
- Save time and effort (save 50% of working hours).
- Can be highly flexible use.
- Avoid damage / avoid complex installation.
- No complicated engineering calculations are required before use.
- Suitable for medium / heavy works.

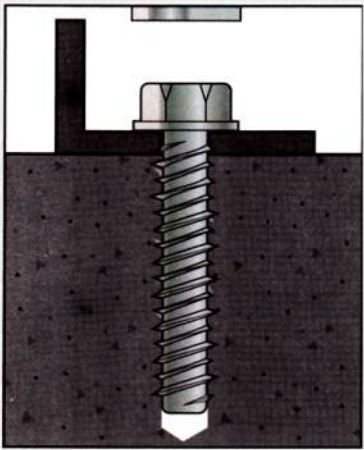
安装说明 | Installation instructions



钻孔及清理孔穴
First Step: Drilling and cleaning holes



使用电动工具将螺钉旋入
The Second Step: Screw in the screw use the power tool



将螺钉锁紧，直到螺钉将物件紧密结合为止
The Three Step : Lock the screws until the screws fit the objects tightly.

不锈钢自攻水泥螺钉耐腐蚀测试

Stainless steel self tapping screws cement corrosion test

铁材	经过盐雾腐蚀测试 (5%氯化钠, 35℃, 3000小时)	二氧化硫测试（酸雨测试） (20次在DIN 50018-21)	电位腐蚀（mv）
NSSC 550	No Corrosion 无锈蚀	No Corrosion 无锈蚀	200-350
SUS 304	No Corrosion 无锈蚀	No Corrosion 无锈蚀	200-300
SUS 304 (氮化)	Black rust generally caused 严重的锈蚀	Black rust generally caused 严重的锈蚀	-300
SUS 410	Black rust generally caused 严重的锈蚀	Black rust generally caused 严重的锈蚀	0-50
碳钢	Black rust generally caused 严重的锈蚀	Black rust generally caused 严重的锈蚀	-300



北塔 紧固系列

SONEC

304、410不锈钢自钻螺丝(耐腐蚀)系列

HEX WASHER HEAD 410不銹鋼六角華司	TRUSS PHILLIPS 410不銹鋼圓頭華司	COUNTER SUNK PHILLIPS 410不銹鋼沙拉頭(沉頭)	PAN PHILLIPS 410不銹鋼圓頭十字型	304 STAINLESS STEEL 304不銹鋼自鑽螺絲	304 STAINLESS COVER 304白鐵帽自鑽螺絲
M4X13	M4X13	M4X13	M4X13	55X25	55X25
M4X16	M4X16	M4X16	M4X16	55X38	55X38
M4X19	M4X19	M4X19	M4X19	55X50	55X50
M5X16	M4X22	M5X16	M5X16	55X65	55X65
M5X19	M4X25	M5X19	M5X19	55X75	

SELF-DRILLING SCREWS 鑽尾螺絲

HEX WASHER HEAD 六角華司頭	TYPE 17 WOOD SCREWS 木螺絲	NYLON HEAD 尼龍頭	HEX WASHER HEAD 六角華司頭	COUNTERSUNK PHILLIPS 沙拉頭十字型
5.5X19	5.5X25	5.5X19	4.2X13	4.2X13
5.5X25	5.5X50	5.5X25	4.2X16	4.2X16
5.5X38	5.5X65	5.5X50	4.2X19	4.2X19
5.5X45	5.5X75	5.5X65	4.8X13	4.2X25
5.5X50	5.5X100	5.5X75	4.8X16	4.8X13
5.5X65			4.8X19	4.8X16
5.5X75			4.8X25	4.8X19
5.5X100				4.8X25
5.5X125				

HEX WASHER HEAD 六角華司頭	PAN HEAD 圓頭十字型	FLAT HEAD 沙拉頭十字型	PAN PHILLIPS 圓頭十字型	COUNTERSUNK PHILLIPS 沙拉頭十字型
4.2X13	3.5X13	3.5X13	M3.5X10	M3.5X10
4.2X16	3.5X16	3.5X16	M3.5X13	M3.5X13
4.2X19	3.5X19	3.5X19	M3.5X16	M3.5X16
4.8X16	4.2X13	3.5X25	M3.5X19	M3.5X19
4.8X19	4.2X16	4.2X13	M3.5X25	M3.5X25
4.8X25	4.2X19	4.2X16	M3.5X32	M3.5X32
6.3X25	4.2X25	4.2X19	M4.2X13	M4.2X13
with Bonded 6.3X38	4.8X13	4.2X25	M4.2X16	M4.2X16
6.3X50	4.8X16	4.8X16	M4.2X19	M4.2X19
6.3X65	4.8X19	4.8X19	M4.2X25	M4.2X25
6.3X75	4.8X25	4.8X25	M4.2X32	M4.2X32
6.3X90	4.8X32	4.8X32	M4.8X16	M4.8X13
6.3X105	4.8X38	4.8X38	M4.8X19	M4.8X16
6.3X150			M4.8X25	M4.8X19
			M4.8X32	M4.8X25

BLIND RIVET 高强度拉釘

BLIND RIVET ALUMINIUM/STEEL 鋁合金拉釘	ALL STAINLESS STEEL/STEEL 全(半)不銹鋼拉釘	SEALED TYPE BLIND RIVET 封閉拉釘
2.4X5	4X10	3.2X9
3.2X7	4X13(紅)	3.2X11
3.2X9	4X16	4X13
3.2X11	5X13	4X16
3.2X13 (白)	5X16	5.0X10
3.2X16	5X19	5.0X13
4X6,4	5X22	5.0X16
4X8	5X25	5.0X19

SUS304/410 Stainless steel self-drilling screws SUS304/410不銹鋼鑽尾螺絲系列



SUS304不銹鋼特性

304不銹鋼碳含量約為:≤0.08%,具有良好的耐腐蝕性、耐熱性、低溫強度和機械性能,沖壓彎曲等熱加工性好,無熱處理硬化現象,無磁性。

SUS304不銹鋼應用範圍

304不銹鋼已被廣泛應用於食品、化工、原子能等工業設備及裝潢領域以及家庭用品、櫥櫃、室內管線、熱水器、鍋爐、浴缸、汽车配件、醫療器具、建材、化學、食品工業、農業、船舶部件。

SUS410不銹鋼特性

SUS410為馬氏體不銹鋼,是無鎳的不銹鋼,淬透性好,具有較高的硬度,韌性,較好的耐腐性,熱強性和冷變形性能,減震性也很好。

SUS410不銹鋼應用範圍

多用於製造耐大氣,水蒸氣,水及氧化性酸腐蝕的零部件。

SUS304 Stainless Steel Features

304 stainless steel carbon content is less than 0.08%,There are good corrosion resistance,heat resistance,low temperature strength and mechanical properties,stamping bending heat treatment hardening phenomenon,no magnetic.

Application

304 stainless steel has been widely used in food ,chemical,nuclear energy and other industrial equipment and decoration field and family activities, cabinets,interior pipeline ,water heater,boiler,bath, auto parts,medical equipment ,building materials, chemical,food industry,agriculture,marine parts.

SUS410 Stainless Steel Features

SUS410 is martensitic stainless steel,nickel free stainless steel,good quenching toughness, toughness,good corrosion resistance,thermal and cold deformation,shock absorption is also good.

Application

Used in the manufacture of air,water vapor,water and oxidation.Acid corrosion parts.

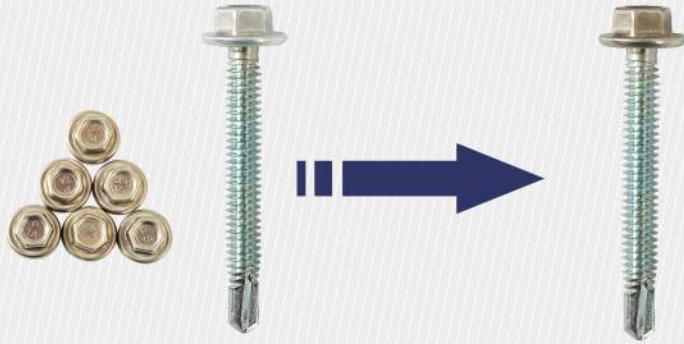
Self-drilling screws
钻尾螺丝



白铁帽

Stainless cap screw

- 304防锈帽盖
- 美观
- 耐候性强
- Prevent rust
- Good outlook
- Weather resistance



烤漆

The lacquer that bake

- 采用最新的氟碳工艺
- 美观
- 颜色可定制
- Using the latest fluorocarbon process
- Good outlook
- Can be customized the color



尼龙头

Nylon head Self-drilling screw

- 防腐尼龙头料
- 颜色可定制
- 适用于各种外部环境
- Nylon head self-drilling screw
- Corrosion prevention
- Applicable to a variety of external environments



五号尾

No.5 self-drilling screw

- 16mm钢板的克星
- 较长的钻尾可攻打厚板
- 较强的切削力
- For heavy duty purpose
- Matel deck to structural steel or bar joist
- Longer length fasteners for sheet applications



达克罗

Dacro

- 高耐腐蚀性
- 盐雾测试可达1000~2000小时
- High corrosion resistance
- Salt spray test up to 1000~2000 hours.



尖尾螺丝

Self-tapping screw

- 用于薄金属片(铝、铜、低碳钢)制件与较厚金属制件或木制品(主体)之间的螺纹联接, 螺钉拧入时形成螺纹, 不同头型, 使用不同头型的螺钉旋具。
- Use for the thin metal plate (aluminum, copper, low car bon steel) parts and thick metal parts or wood products(principal) between the threaded connection, screw into the thread, the different head type need to the use of different head type Screw screwdriver.



Self-drilling screws
钻尾螺丝 >>>

六角华司系列
Hex Washer Head Series

材料：
低碳钢，表面镀锌工艺（白锌/黄锌）
六角法兰面操作时更方便
刀刃切料快速，好固定
排屑顺畅，安装快捷
有效的节省操作时间
较多用于施工难度较大的地方

Material
Carbon steel, surface galvanizing process
(white zinc / yellow zinc)
Easy to operation
Easy to fix



沙拉头（沉头）系列/喇叭头/威华十字系列
Countersunk Phillips/Bugle Phillips/Wafer Phillips Series

用于扣紧窗户和门框是最佳选择
用于缝合木材到金属
用于在要求是平面的
在预钻孔中进行装配时使用

Best choice for fastening in window or door frames purpose
For using in stitch wood to metal
Using in flat surface require
Using in pre-drilled hole for fitting



圆头十字（盘头）系列/圆头华司（大扁头）系列
Pan phillips / Truss phillips Series

用于外表薄钢
住宅钢框架结构
适合于轻型工程

Skin sheet to steel
Residential steel frame construction
For light duty purpose



Blind rivets and gasket
高强度拉铆钉系列及垫片 >>>

拉铆钉
Blind Rivets

- 操作简便
- 铆接优良
- 外型美观
- 物理性能高
- 可供多种材料多种烤漆颜色作为选择

应用范围
• 办公室家具、汽车、工程应用、房屋施工、皮革生产等

- Blind rivets
- Easy to operate
- Riveting excellent
- Beautiful appearance of high physical properties
- Can provide a variety of materials for a variety of paint colors as a choice

Applications
• Office furniture Automotive , Engineering applications, Housing construction, Leather production and so on



垫片
Gasket

- 类别
- PVC塑料垫片，EPDM垫片，阳光板垫片，不锈钢连体垫片

性能

- 防水，耐热，耐臭氧，耐油，防腐蚀，更多型号材质可供选择

- Item
- PVC plastic gasket, EPDM gasket, sun plate gasket, stainless steel piece of gasket

Performance

- Waterproof, heat resistant, ozone resistant, oil resistant, corrosion resistant, More models and material can be available



防水帽
Waterproof cap

- 防水
- 防腐蚀
- 美观
- 颜色可定制

- Waterproof
- Anti-corrosion
- Beautiful
- Color can be customized



Packing instructions 包装说明



- ☆全面升级外箱包装
 - ☆精美耐用
 - ☆稳固防摔
- 本包装已申请国家专利，仿冒必究

防伪查询流程

将所有规格尺寸的那一“整面”
拍照发送到15151600998。
对方回复“收到”后，十分钟内回复“结果”。

- ☆ Fully upgraded carton packaging
 - ☆ Beautiful and durable
 - ☆ Crash resistant
- This product has been patented, and copying is not permitted.

Anti-counterfeiting query process.

Send a complete photo of the specification page and send it to 15151600998.
Once we reply with "received", results will be given within ten minutes.