

Corrosion Resistant Phillips Capstan Headed Screw with High-Strength Carbon Steel for Tamper-Resistant Electric Meter Applications

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: FINEX Precision
- Model Number: FINEX Electric Meter Screws
- Minimum Order Quantity: 30000
- Price: \$0.08/pieces 1000-4999 pieces
- Packaging Details: 1.1000pcs / plastic bag,20kgs/ carton ,then put on the wood pallet ,
2.Carton size:28cm*18cm*13cm,
3.Wood pallet size:118cm*113cm,Weight:700~800Kg
Bulk:0.8 cubic
4.The weight of 20 FT Container:20~25 Tons
5,As your requirements
- Delivery Time: 7~15 Working Day
- Payment Terms: T/T,L/C,D/A,D/P
- Supply Ability: 500000000 Piece/Pieces per Week

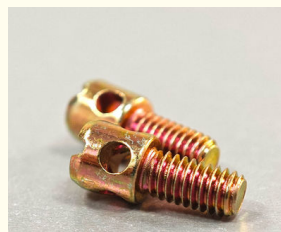
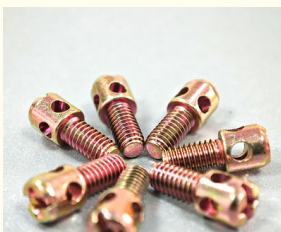


Product Specification

- Finish: Black, ZINC, Plain, Black Oxide, ZINC PLATED, BLUE DYED, Cadmium Plated, Zinc-aluminum Coated, Chrome Plated, Zinc-Flake Coated, Silver Plated, Blue Anodized, Color Zinc
- Material: Stainless Steel, Steel
- Measurement System: INCH, Metric
- Head Style: Cylinder Head
- Standard: DIN404, CSN 21128, UNI 6111
- Drive Type: Phillips Cross Recess/Slotted Drive
- Application: Metering Box, Electric Meter Enclosure
- Color: Black. Yellow. Stainless Steel Color
- Thread: Fully Machine Thread \ Half Machine Thread
- Delivery Time: In Stock 5~7 Working Days, Customized 15~25 Working Days
- MOQ: 1 Piece In Stock, 50,000 Pcs Customized
- Grade: 4.8/5.8/8.8/10.9/12.9/14.5



More Images



Product Description

Electric Meter Phillips Capstan Headed Screw With Black Oxide Finish

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FASTENERS



Ensure secure, long-lasting performance for electric meters and outdoor enclosures with our Phillips Capstan Head Screw. Featuring a durable black oxide finish and precision-engineered design, these screws resist corrosion, weathering, and tampering, making them ideal for utility, industrial, and electrical applications. The Phillips drive and raised capstan head ensure easy installation with standard tools while maintaining a low-profile, professional appearance.

Key Features

- **Black Oxide Finish**
 - Corrosion Resistance: Withstands humidity, UV exposure, and harsh weather conditions.
 - Non-Reflective Surface: Subtle matte finish ideal for outdoor electrical installations.
- **Phillips Capstan Head Design**
 - Raised Head Profile: Provides a secure grip for high-torque tightening without stripping.
 - Phillips Drive (PH2): Compatible with standard screwdrivers or power tools for quick installation.
- **High-Strength Carbon Steel**
 - Grade 8.8/10.9: Heat-treated for tensile strength up to 1,000 MPa, resisting shear and deformation.
 - Durable Threads: Self-tapping or machine screw options available for metal or composite meters.
- **Tamper-Resistant & Weatherproof**
 - Securely fastens meter housings, preventing unauthorized access or environmental damage.
- **Global Compliance**
 - ROHS, ISO 9001, ASTM F1941: Certified for safety, quality, and environmental standards.

Technical Specifications

Attribute	Details
Material	Carbon Steel (Grade 8.8/10.9)
Finish	Black Oxide (Electrochemical Coating)
Head Type	Capstan (Raised, Low-Profile Dome)
Drive Type	Phillips PH2
Diameter	M4-M8 (Metric) / #8-1/4" (Imperial)
Length	10mm-50mm (Custom lengths available)
Thread Pitch	Coarse or Fine (Customizable)
Temperature Range	-40°F to 400°F (-40°C to 204°C)
Certifications	ISO 9001, ROHS, ASTM F1941

Applications

- Electric Meters: Secure meter housings, terminal covers, and outdoor enclosures.
- Utility Boxes: Fasten transformers, junction boxes, and streetlight fixtures.
- Telecom Equipment: Assemble weatherproof cabinets and communication devices.
- Industrial Panels: Anchor control panels, machinery guards, and HVAC systems.
- Renewable Energy: Solar inverters, wind turbine meters, and battery enclosures.

FINEX

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Pozi

Phillips

Anti-theft Triangle

Slotted

Hex Socket







Torx

Torx-Internal Tamper proof pin

H type anti theft

Tri-wing

Two-Hole Tamper proof







One way anti theft

Square Slot Combination

Phillips Slot Combination

Slot 6 Lobe Combination

Tri-wing internal Tamper proof pin



Blue Zinc



Yellow Zinc



White Zinc



Black Zinc



Nickel Plated



Black Oxide



Anodizing



Dacromet



**Black
Electrophoresis**



Antique Bronze



Green



Baking Finish



**Type A
Self Tapping Thread**



**Type B
Self Tapping Thread**



**Type Tek
Self Drilling Thread**



**PT
Plastic Thread**



Hi-Lo Thread



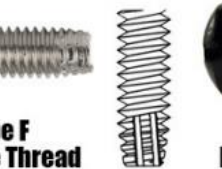
Cutting Thread



**Trilobular
Machine Thread**



**Type F
Machine Thread**



**Dog Point
Machine Thread**



Machine Thread



**Self Drilling Thread
with wing**



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OEM

ORIGINAL

EQUIPMENT

MANUFACTURER

ODM

ORIGINAL

DESIGN

MANUFACTURER

What We Produce is Not Just a Screw. We Provide a Guarantee of Secure Fastening







More Detail Information

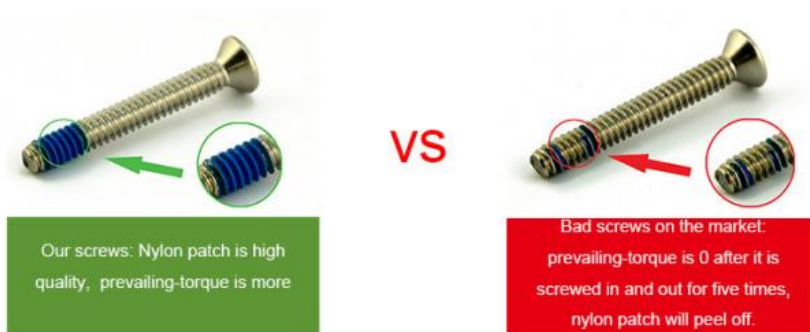
Available Material	1. Stainless Steel: SS303, SS304, SS316, SS410, SS420; 2. Carbon steel: C1006,C1010,C1018,C1022,C1035K,C1045; 3. Brass: C3602,C3604,Hpb59,Hpb62,Hpb65,Hpb58,Hpb70; 4. Aluminum: Al6061, Al6063 etc or as your requirements
Head type	CSK Head, Pan Head, Truss Head, Hexagon Head, Round Head, Oval Head, Button Head, Cap Head, Cheese Head, etc.
Hardness	Carbon Steel: HRC:28~35, HV450~700 Alloy Steel: HRC:32~39(grade10.9) HRC:39~44(grade12.9)

Finish	Zinc plated, Nickel plated, Bronze, Copper, Phosphate, Oxidation black, Passivation, Tin, Dacromet, Gold, Chrome, Silver, Phosphorization, Zinc-nickel alloy plated etc.
Sample Available	The sample is free of charge if we have the existing tooling, you only need to pay for the freight cost
Delivery time	Samples time 3-5 working days, Lead time 20-25 working days
Pricing Term	EXW Dongguan(FCA), FOB, CIF, CNF, DDU, etc.
Packing	Bulk in PE bag or Small boxes, then in carton, pallet
Payment term	TT (30% in advance as deposit, balance before delivery), L/C, Western Union, PayPal etc
Management system	ISO9001:2015
Certificate	ISO, ROHS

NO1.Drive compariason



NO2.Torque comparison



NO3.Screw Plating Comparison



Our screws: good finish, clear thread, even coating, bright appearance.

VS



Bad screws on the market: bad finish, uneven coating, thread is oxidized, the finish is blacked.

NO4.Screw Material Comparison



Our screws: we use quality carbon steel material, Chemical Element content in Steel meets the requirement of ISO standard, they won't be broken after 90° bent, high strength, good toughness, requirement of ISO

VS



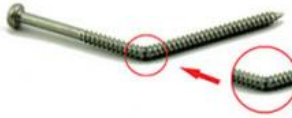
Bad screws on the market: bad carbon steel material, Chemical Element content in Steel doesn't meet the requirement of ISO standard, they will be easily broken after 90° bent, high strength and bad toughness.

NO5.Mechanical Properties comparison



Our self tapping screws: our screws have high strength, enough hardness, good toughness after heat treated, they won't be broken after bent.

VS



Bad screws on the market: they have high strength and bad toughness, thread will easily be broken, because the screws are not tempered.

NO6. Corrosion Resistance Comparison of SUS304



Our SUS304 screws: nickel chemical element content won't be less than 8, meets ISO requirement. The finish won't be oxidized, rusted and has good anti-corrosion capacity standard, they won't be broken after 90° bent, high strength, good toughness.

VS



SUS304 screws on the market: nickel chemical element content will be less than 8, even doesn't have nickel plated, which doesn't meet ISO requirement. The finish will be oxidized, rusted and lose anti-corrosion capacity.

FAQ

Q1: What is your main products and material supply?

A1: Our main products are Electronic screws, Sems screws, Tapping screws, Chicago screws, Shoulder screws etc. Special Non-standard studs, Turning parts and High-end precision complex CNC Machining parts etc.

A2: Carbon Steel, Alloy Steel, Aluminum alloy, Stainless Steel, Brass, Copper, Titanium alloy or according to your requirement.

Q2: When can I get the price?

A: We usually offer you a quotation within 12 hours, and the special offer is not more than 24 hours. Any urgent cases, please contact us directly by phone or send email to us.

Q3: What about the transportation and delivery date?

A: If the weight of goods more than 80kg, Normally we use shipment to transport the orders. It is about 20-30days. If the weight of goods less than 80kg, or there are urgent, we can send the goods via air express, It is 3~5 days.

Q4: What's your packing? What to do in case of damaged goods during transport?

A1: Our Normal packing is bulking in Cartons, less than 20 kgs/carton, 48 cartons / pallet. We also can pack products according to your requirement.

A2: To avoid any subsequent trouble regarding quality issue, we suggest you check the goods once you receive them. If there is any transport damaged or quality issue, don't forget take the detail pictures and contact us as soon as possible, we will properly handle it to make sure your loss to reduce to the smallest.

Q5: Can I get discounts?

A: Yes, for big order, frequent customers, we give reasonable discounts.

Q6: Do you have enough capacity?

A: Our production equipment is a new imported equipment. We have a group of skilled workers who have been working for more than 10 years. Their production experience is very rich and their skills are very skilled. The screws can be 30 million pcs/month. We have sufficient funds to ensure the normal operation of the factory.



FINEX

20 YEARS

Non-standard Fasteners Customization Experience

+86-13527934468

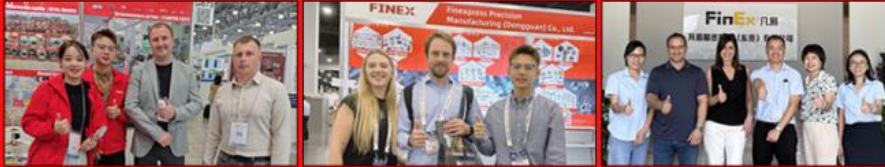
ailiancheng@finexfastener.com

Contact us

The banner features a large group photo of the FINEX team in red and blue uniforms, holding red certificates or awards. The text is overlaid on a red and white background.



Partners and Exhibitions



Raw Material (IQC)



Head Size (IPQC)



Thread Size (IPQC)



**Spot check on
surface treatment**



**Image Measuring
Instrument**



Hardness Test



ROHS Test



Salt Spray Test



Tensile Force Test



Touque Test



Screw Optical Screener



FQC by Manual Selection



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