

## Black Zinc Plated Round Head Self-Tapper – Phillips Drive with Integrated Washer for Sheet Metal Assembly

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: FinExpress
- Certification: ISO9001|ISO14001| IATF16949
- Model Number: Torx screw
- Minimum Order Quantity: 30000
- Price: \$0.03/pieces 10000-49999 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

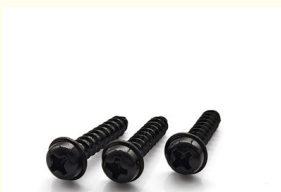


#### Product Specification

- Finish: Black Zinc
- Material: Stainless Steel, Steel, Stainless Steel/ Carbon Steel
- Measurement System: INCH
- Head Style: Pan, Truss, Flat, Round, Binding
- Standard: DIN/ ISO/ Non-standard
- Hardness: Surface Hardness,HV400~500 HV0.3,Core Hardness,320~380HV10
- Breaking Torque: (N.m):0.8~32
- Heat Treatment: Tempering,Spheroidizing, Quenching, Spheroidizing Annealing Etc
- Size: M1.6~M10 Or #2-56~1/2"or Be Customized
- Package: Small Packing+Carton Packing+Pallet
- Reliability Test: Mechanical Dimentions, Hardness Test. Salt Spray Endurance Test
- Delivery Time: In Stock 5~7 Working Days, Customized 15~25 Working Days



#### More Images



## Product Description

Black Zinc Plated Round Head Self-Tapper – Phillips Drive with Integrated Washer for Sheet Metal Assembly

### FINEX | Fine and Express FASTENERS




## Product Overview

Our Black Zinc Plated Round Head Self-Tapping Screw is engineered for efficient, durable fastening in sheet metal applications. Featuring a Phillips drive for compatibility with standard tools, an integrated washer for load distribution, and a corrosion-resistant black zinc finish, this screw simplifies assembly in HVAC, automotive, and construction projects. Ideal for joining sheet metal, aluminum panels, and thin-gauge materials without pre-drilling.

## Key Features

Self-Tapping Design

Sharp Point & Aggressive Threads: Cuts through sheet metal, aluminum, and plastics effortlessly.



No Pre-Drilling: Saves time and reduces tooling costs in high-volume assembly.

#### Black Zinc Plating

Corrosion Resistance: Protects against rust, humidity, and industrial environments.

Aesthetic Finish: Sleek black appearance blends into machinery and equipment.

#### Integrated Washer

Load Distribution: Spreads pressure to prevent material deformation or surface damage.

Simplified Assembly: Eliminates loose washers, reducing installation steps.

#### Phillips Drive (PH2)

Tool Compatibility: Works with standard Phillips screwdrivers or power tools.

Controlled Torque: Reduces risk of overdriving with moderate cam-out resistance.

#### High-Strength Carbon Steel

Grade 4.8/8.8: Tensile strength up to 800 MPa for reliable performance under stress.

Reusable: Maintains thread integrity for disassembly and reassembly.



**Pozi**



**Phillips**



**Anti-theft  
Triangle**



**Slotted**



**Hex Socket**



**Torx**



**Torx-internal  
Tamber proof pin**



**H type  
anti theft**



**Tri-wing**



**Two-Hole  
Tamber proof**



**One way  
anti theft**



**Square Slot  
Combination**



**Phillips Slot  
Combination**



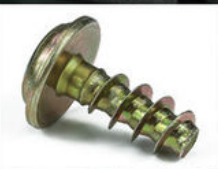
**Slot 6 Lobe  
Combination**



**Tri-wing internal  
Tamber proof pin**



**Blue Zinc**



**Yellow Zinc**



**White Zinc**



**Black Zinc**



**Nickel Plated**



**Black Oxide**



**Anodizing**



**Dacromet**



**Black  
Electrophoresis**



**Antique Bronze**



**Green**



**Baking Finish**





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

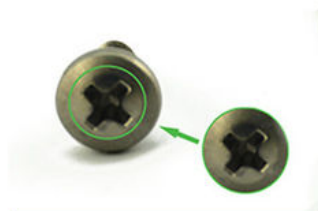


## Specification

	More Detail Informations
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

## Why Choose Us

### NO1.Drive compariason



Our screws: cross recess drive remains intact after repeatedly used.

VS



Bad screws on the market: cross recess drive cannot be used after repeatedly used, they may slip or tear out the Philips screw head.

### NO2.Torque comparison



Our screws: Nylon patch is high quality, prevailing-torque is more

VS



Bad screws on the market: prevailing-torque is 0 after it is screwed in and out for five times, nylon patch will peel off.

### 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

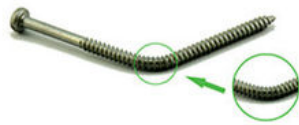
VS



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.

## Company Profile

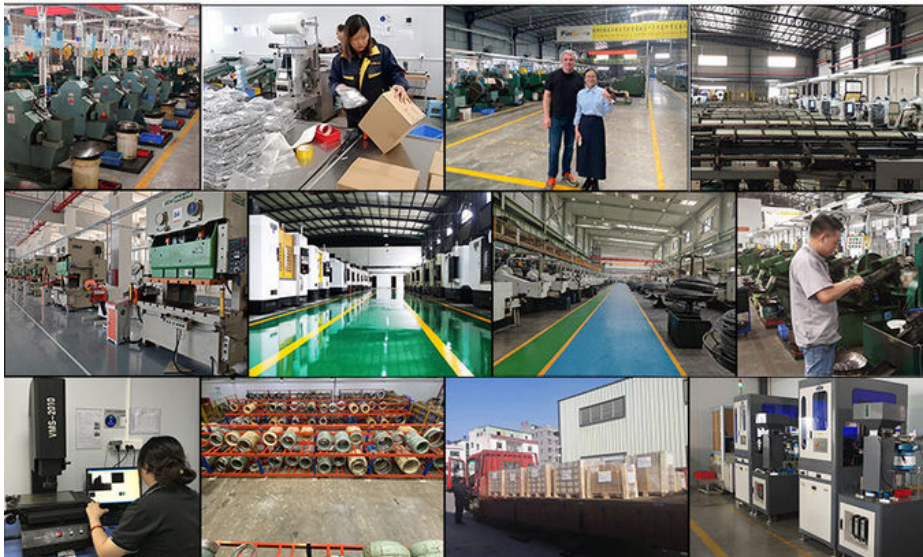
# FINEX

**— 20 YEARS**  
**Non-standard Fasteners**  
**Customization Experience**

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alianchen@finexfastener.com

**Contact us**





## 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**

## 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 transprot 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.



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