

High Hardness Special Screw Black Oxide Torx T7 Screws With Heat Treatment

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: FinExpress
- 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: Plain, Black Oxide, ZINC PLATED, Custom
- 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

High Hardness Special Screw Black Oxide Torx T7 Screws With Heat Treatment

FINEX | Fine and Express FASTENERS



Product Overview

Engineered for the most demanding industrial applications, our **High Hardness Black Oxide Torx T7 Screws** deliver unmatched strength, corrosion resistance, and torque performance. Combining advanced heat treatment processes with a precision Torx T7 drive, these screws are designed to withstand extreme stress, vibration, and harsh environments. Ideal for aerospace, automotive, and heavy machinery, they ensure reliable fastening where failure is not an option.

Key Features

Ultra-High Hardness

Heat-treated alloy steel (HRC 38–45) provides exceptional tensile strength (up to **1,800 MPa**) and resistance to wear, deformation, and shear forces.

Black Oxide Coating

A matte black oxide finish enhances corrosion resistance, reduces friction, and adds a sleek, non-reflective appearance for critical applications.

Torx T7 Drive

Tamper-resistant Torx T7 (6-lobe star) drive maximizes torque transfer, minimizes cam-out, and ensures secure tool engagement.

Precision Heat Treatment

Quenched and tempered to refine grain structure, optimizing hardness-to-toughness balance for dynamic load resistance.

Vibration & Loosening Resistance

Thread-locking grooves and precision threading prevent loosening in high-vibration environments like engines or rotating machinery.

Global Compliance

ROHS, REACH, and ISO 9001 certified, ensuring safety and environmental responsibility.

Technical Specifications

Material: Alloy Steel (Grade 10.9/12.9)

Finish: Black Oxide (Standard), Optional Zinc-Nickel or Dacromet

Drive Type: Torx T7 (TR15 Security Drive Available)

Thread Pitch: Fine or Coarse (Customizable)

Diameter: M3–M12 (Metric) or #4–½" (Imperial)

Length: 6mm–100mm (Custom Lengths Available)

Temperature Range: -40°F to 600°F (-40°C to 316°C)

Certifications: ASTM A574, ISO 898-1, DIN 7984



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



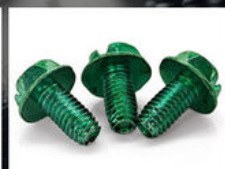
Dacromet



**Black
Electrophoresis**



Antique Bronze



Green



Baking Finish



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

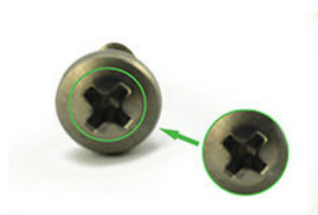


Specification

	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



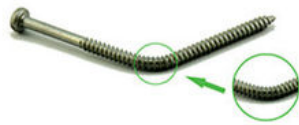
Our screws: we use quality carbon steel material, Chemical Element content in Steel meets the requirement of ISO standard, they won't be broken after 90° bent, high strength, good toughness.requirement of ISO

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

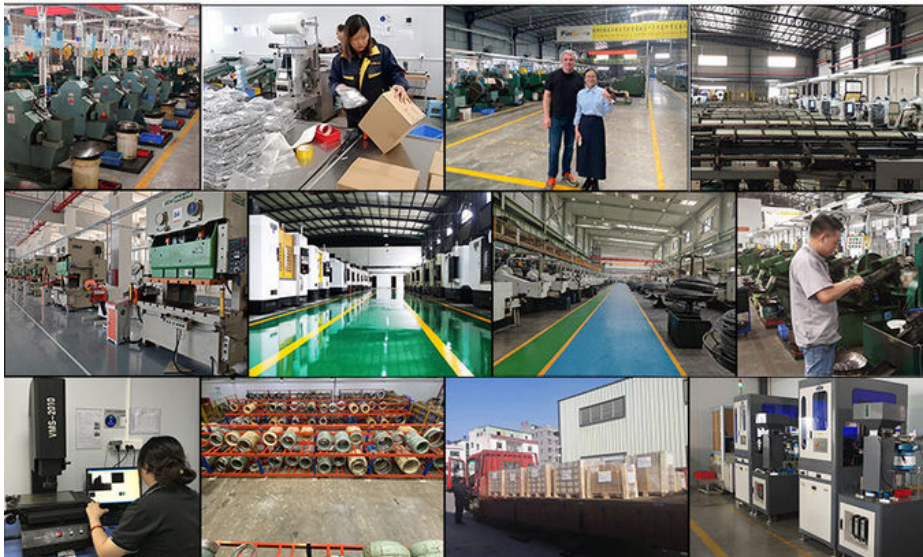
FINEX

20 YEARS
Non-standard Fasteners
Customization Experience

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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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