

Red Anodized Aluminum Thumb Screw – High-Collar Design for PCB Heat Sink Mounting (M3-M5)

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China, Guangdong, China (Mainland)
- Brand Name: FinExpress
- Certification: ISO9001|ISO14001| IATF16949
- Model Number: Thumb Screw
- Minimum Order Quantity: 30000
- Price: \$0.05/pieces 1000-49999 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, Anodized
- Material: Brass, Stainless Steel, Steel, Aluminium
- Measurement System: Metric
- Head Style: Flat, Round, Cheese
- Standard: Non-standard
- Hardness: HV250-600
- Heat Treatment: Non Hardening
- Function: Connection, Fastening And Decoration
- Range Of Application: Cabinet, Sheet Metal, Motors. Building Decoration Etc.
- Sample: Available Free Within 7days
- Delivery Time: In Stock 5~7 Working Days, Customized 15~25 Working Days
- Reliability Test: Mechanical Dimensions, Hardness Test, Salt Spray Endurance Test
- MOQ: 1 Piece In Stock, 30,000 Pcs Customized



More Images





Product Description

Red Anodized Aluminum Thumb Screw – High-Collar Design for PCB Heat Sink Mounting (M3-M5)

FINEX | Fine and Express FASTENERS



Product Overview

Our Red Anodized Aluminum High-Collar Thumb Screw is engineered for secure, tool-free mounting of heat sinks and thermal solutions on printed circuit boards (PCBs). Featuring a lightweight aluminum body, non-conductive anodized finish, and ergonomic high-collar design, this screw ensures reliable thermal management while preventing electrical shorts. Ideal for electronics, IoT devices, and industrial controls requiring efficient heat dissipation and easy maintenance.

Key Features

Anodized Aluminum 6061-T6

Non-Conductive Finish: Prevents electrical shorts in high-voltage PCB environments.

Corrosion & Wear Resistance: Withstands oxidation and repeated adjustments.

High-Collar Design

Spacer Function: Elevates the thumb head above the PCB surface, improving airflow and grip.

Ergonomic Grip: Knurled or fluted collar for slip-resistant manual tightening.

Metric Threads (M3–M5)

Precision Threads: M3×0.5mm, M4×0.7mm, M5×0.8mm for compatibility with heat sink mounting holes.

Thermal Stability: Aluminum's low thermal resistance minimizes heat transfer to the screw.

Vibrant Red Anodized Finish

Aesthetic & Functional: Color-coding for easy identification; enhances corrosion protection.

RoHS & REACH Compliant: Safe for electronics and industrial applications.

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[Click Here To Start Customizing](#)
Customizable Hole Shape



Pozi



Phillips



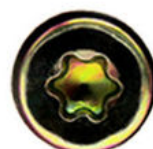
**Anti-theft
Triangle**



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**





FINEX | Fine and Express
FASTENERS    

OEM **ODM**
ORIGINAL ORIGINAL
EQUIPMENT DESIGN
MANUFACTURER MANUFACTURER

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.

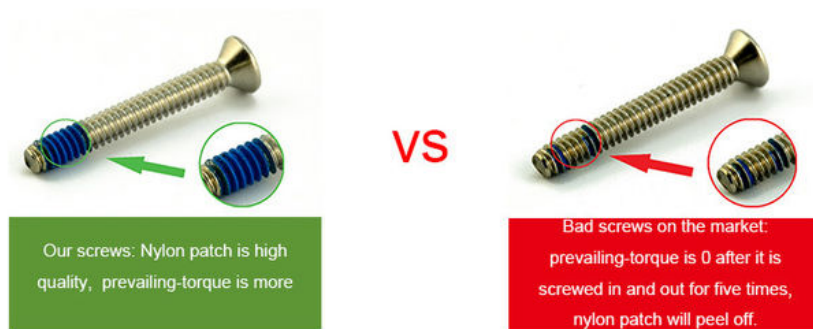
Hardness	Carbon Steel:HRC:28~35 ,HV450~700 Alloy Steel:HRC:32~39(grade10.9) HRC:39~44(grade12.9)
Finish	Zinc plated, Nickel plated, Bronze, Copper,Phosphate, Oxidation black, Passivation, Tin, Dacromet, Gold, Chrome, Silver, Phosphorization,Zinc-nickel alloy plated etc.
Sample Available	The sample is 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



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.

FINEX

— 20 YEARS

Non-standard Fasteners Customization Experience

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Contact us



Partners and Exhibitions





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 20-30 days. 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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