

## Metric External Tooth Lock Washers Salt Spray Endurance Test Thin Flat Shim Washers

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: FineExpress
- Model Number: copper washer
- Minimum Order Quantity: 50000
- Price: \$0.19/pieces 100-9999 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
- Style: Steel Washer
- Material: Stainless Steel, Steel, 18-8 STAINLESS STEEL, Nylon
- Application: Heavy Industry, Healthcare, Retail Industry, Automotive Industry, Electrical,electronics,cabint
- Standard: No Standard
- Reliability Test: Mechanical Dimentions,salt Spray Endurance Test
- Service: Customized OEM
- Sample: Available
- Function: Connection,Fastening And Decoration
- MOQ: 1 Piece In Stock, 50,000 Pcs Customized
- Delivery Time: In Stock 5~7 Working Days, Customized 15~25 Working Days

Highlight:

Black metal washer, customized metal washer



#### More Images





## Product Description

Metric External Tooth Lock Washers Salt Spray Endurance Test Thin Flat Shim Washers

### FINEX | Fine and Express FASTENERS

#### Full Certifications

The factory has ISO9001, ISO14001, IATF16949 system certification, and PPAP and APQP test reports can be provide

#### Fast Delivery

5 working days for regular products, 15 working days for customized products.

#### Nice Quality

Products after more than 12 inspection processes before delivery, quality is guaranteed

#### Competitive Price

we have advantage in the cost of raw materials. Under the same quality, our price is generally 10%-20% lower than the market.

#### Factory Price

20+years fastener production experience, ITS, SGS certified factory, Supports to visit our factory with video call.

#### Free Sample

Free design for customized samples until meet your satisfaction, free to provide product solutions

Our Advantages

Ensure secure and long-lasting fastening with **Metric External Tooth Lock Washers**, engineered to withstand rigorous conditions and deliver exceptional performance. These high-quality washers are designed with **external teeth** for superior grip, preventing loosening caused by vibrations, thermal expansion, or dynamic loads. Perfect for industrial, automotive, and machinery applications, these washers are built to meet the highest standards of durability and reliability.

Crafted from premium materials, these **thin flat shim washers** undergo a **salt spray endurance test** to ensure outstanding corrosion resistance, even in harsh or corrosive environments. Their metric sizing ensures compatibility with a wide range of fasteners, making them a versatile choice for various applications. The slim, flat design allows for easy installation in tight spaces without compromising performance.

Key Features:

**Design:** External tooth lock design for maximum grip and vibration resistance.

Our Product Introduction

for more products please visit us on [metalscrewfastener.com](http://metalscrewfastener.com)

**Durability:** Salt spray endurance tested for superior corrosion resistance.

**Profile:** Thin and flat shim design for easy installation in confined spaces.

**Compatibility:** Metric sizing for versatile use with standard fasteners.

**Applications:** Ideal for automotive, industrial, machinery, and construction projects.

Upgrade your fastening solutions with **Metric External Tooth Lock Washers**. Combining strength, precision, and corrosion resistance, these washers are the perfect choice for demanding environments. Trust in their proven performance to keep your assemblies securely fastened, no matter the conditions.

**FINEX | Fine and Express**  
**FASTENERS**    

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



**Pozi**



**Phillips**



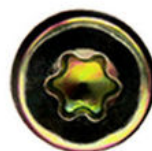
**Anti-theft  
Triangle**



**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**







**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



Finexpress Precision  
Manufacturing (Dongguan) Co., Ltd





## 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.



**Finexpress Precision Manufacturing (dongguan) Co., Ltd**



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