

## Stainless Steel 304 Metal Hexagon Lock Nut Passivated For Industrial

Our Product Introduction

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

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: FineExpress
- Model Number: FineExpress Nut
- Minimum Order Quantity: 50000
- Price: \$0.06/pieces 1000-9999 pieces



### Product Specification

- Finish: Passivated, Polished, Custom
- Measurement System: Metric, Imperial (Inch)
- Application: Heavy Industry, Mining, Water Treatment, Healthcare, Retail Industry, Food & Beverage, General Industry, Oil & Gas, Automotive Industry
- Standard: DIN
- Size: M1~M16
- Surface Treatment: Nickel Plated, Zinc Plated, Passivation, Etc.
- Grade: 6.8/ 8.8/ 10.9/ 12.9
- Delivery Time: In Stock 5~7 Working Days, Customized 15~25 Working Days
- Service: OEM Customized Services
- Package: Small Packing+Carton Packing+Pallet
- Certificate: ISO9001:2015, SGS, RoHs, MTC
- MOQ: 1 Piece In Stock, 30,000 Pcs Customized



### More Images



## Product Description

Stainless Steel 304 Metal Hexagon Lock Nut Passivated For Industrial

### FINEX | Fine and Express FASTENERS



Our Stainless Steel 304 Metal Hexagon Lock Nuts are crafted from premium - quality Stainless Steel 304. This type of stainless steel is renowned for its exceptional combination of strength, durability, and corrosion resistance. The high nickel and chromium content in Stainless Steel 304 provide it with excellent resistance to rust, staining, and oxidation, making it suitable for a wide range of industrial environments. Whether used in chemical processing plants, food and beverage industries, or outdoor construction projects, these lock nuts can withstand harsh conditions without compromising their performance.

### Precision - Engineered Hexagon Design

The hexagon shape of our lock nuts is designed for easy and efficient handling. The six - sided design provides a larger surface area for wrenches or sockets, allowing for a better grip and more precise torque application. This ensures that the lock nut can be tightened or loosened with ease, even in tight spaces or when dealing with high - torque requirements. The standard hexagon size also makes these nuts compatible with a wide range of standard tools, making them a versatile choice for industrial applications.

### Innovative Locking Mechanism

These nuts are designed as lock nuts, which means they have a unique locking mechanism to prevent loosening under vibration, shock, or thermal expansion. This is crucial in industrial settings where machinery and equipment are often subject to continuous movement and stress. The locking feature ensures that the connection remains secure over time, reducing the risk of component failure and potential safety hazards. Whether used in rotating machinery, vibrating conveyor belts, or large - scale structural frameworks, our Stainless Steel 304 Metal Hexagon Lock Nuts will keep your components firmly in place.

### Passivated Surface Treatment

The passivation process applied to our lock nuts adds an extra layer of protection. Passivation involves treating the stainless - steel surface to

remove free iron and other contaminants, creating a passive film that enhances the corrosion resistance of the metal. This film acts as a barrier, preventing the underlying steel from coming into contact with corrosive substances. In industrial environments where exposure to chemicals, moisture, or high humidity is common, the passivated surface treatment ensures that the lock nuts maintain their integrity and functionality for an extended period.

## Versatile Industrial Applications

Our Stainless Steel 304 Metal Hexagon Lock Nuts are widely used in various industrial applications. In the automotive industry, they are used to secure engine components, suspension parts, and exhaust systems. In the manufacturing of heavy machinery, they play a crucial role in assembling large - scale equipment, such as cranes, excavators, and generators. In the power generation sector, these lock nuts are used to fasten components in turbines, transformers, and power distribution systems. Additionally, they are also used in the construction of industrial buildings, where they provide a reliable fastening solution for structural steel frameworks.

## Stringent Quality Control

Quality is our top priority. Every Stainless Steel 304 Metal Hexagon Lock Nut undergoes a rigorous quality control process. We start by carefully sourcing the highest - quality Stainless Steel 304 raw materials, ensuring they meet strict industry standards. During the manufacturing process, the production of each nut is closely monitored to ensure precise threading, accurate hexagon dimensions, and proper functioning of the locking mechanism. After production, each nut is inspected for any defects, and its mechanical properties are tested to ensure it meets the highest quality standards. This commitment to quality ensures that you receive a reliable product that performs flawlessly in your industrial applications.

## Exceptional Customer Support

Our dedicated customer service team is here to assist you. Whether you have questions about the compatibility of these lock nuts with specific industrial components, need advice on installation techniques, or have any concerns regarding the product's performance, we're just a message or call away. We strive to provide prompt and detailed responses to all inquiries, ensuring that you have the information you need to make informed decisions. From the moment you consider purchasing our lock nuts to after - sales support, we aim to make your experience with our Stainless Steel 304 Metal Hexagon Lock Nuts as smooth and satisfactory as possible.

Choose our Stainless Steel 304 Metal Hexagon Lock Nut Passivated for your industrial fastening needs and experience the perfect combination of durability, reliability, and performance.



**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**



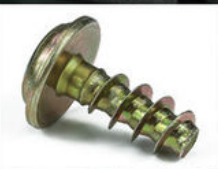
**Slot 6 Lobe  
Combination**



**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**

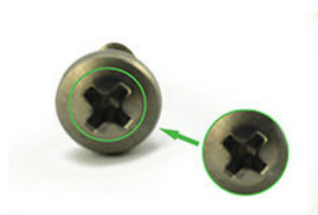


## Specification

	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



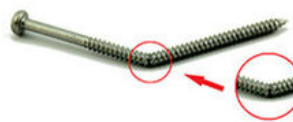
Bad screws on the market: bad carbon steel material, Chemical Element content in Steel doesn't meet the requirement of ISO standard, they will be easily broken after 90° bent, high strength and bad toughness.



## NO5.Mechanical Properties comparison



VS



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

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



VS



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.

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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