



High Precision Custom Metal Aluminum Stainless Steel Brackets for Shelving & Storage Systems

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: MB-ST-080
- Minimum Order Quantity: 1 pcs
- Price: USD \$0.1-\$1.99
- Packaging Details: Carton, As Customers' packaging requirements
- Delivery Time: Samples 7-10 days, Mass production 20-25 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 50000 pcs per week



Product Specification

- Supply Type: OEM Service
- Material Capabilities: Stainless Steel, Brass, Aluminum, Steel
- Process: Bending, Laser Cutting, Welding, Stamping
- Application: Auto, motorcycle, industry, agriculture, furniture, etc.
- Packing Details: Carton, Wooden Case, Plastic Cargo
- Color: Black, Silver, Customized Color
- Place Of Origin: China



More Images



Product Description

What We Can Provide

High Precision Custom Metal Aluminum Stainless Steel Brackets for Shelving & Storage Systems

Description Of High Precision Custom Metal Aluminum Stainless Steel Brackets for Shelving & Storage Systems

High-precision custom metal brackets for shelving and storage systems are engineered components crafted from aluminum, stainless steel, or advanced alloys to meet specific load-bearing, dimensional, and environmental requirements. These brackets are manufactured using advanced CNC machining, laser cutting, or stamping technologies, ensuring tight tolerances (often $\leq \pm 0.1\text{mm}$) and consistent quality. They are designed to integrate seamlessly into modular shelving, racking, or custom storage solutions, providing structural integrity and adaptability.

Material Of High Precision Custom Metal Aluminum Stainless Steel Brackets for Shelving & Storage Systems

Material	Stainless steel, Aluminum, Brass, Copper etc.
Process	Stamping, Deep drawing, Laser cutting, Bending, Welding, CNC etc
Surface treatment	Zinc plating, Nickel plating, Powder coated, Paint, Brushed, Polishing, Anodized, Hot dip galvanizing etc.
MOQ	100pcs
Size	Customized Size
Certificate	ISO9001:2015
Design	3D/CAD/Dwg/IGS/STP
Package	Bubble Bag+ Carton+ Wooden Box
Application	Metal part in all fields
Service	Customize ODM OEM

Application Of High Precision Custom Metal Aluminum Stainless Steel Brackets for Shelving & Storage Systems

1. Construction: Metal angle brackets are extensively used in the construction industry for connecting beams, joists, and rafters. They provide critical support and reinforcement to building structures, ensuring stability and load distribution.
2. Shelving: Angle brackets are widely used as shelf supports for wall-mounted shelves in homes, offices, retail stores, and warehouses. They help create sturdy and reliable shelving systems.
3. Furniture Assembly: Metal angle brackets are essential in furniture assembly, helping to connect components and reinforcing joints in tables, chairs, cabinets, and bed frames.

Quality Control

1. Checking the raw material after they reach our factory----- Incoming quality control (IQC)
2. Checking the details before the production line operated
3. Have full inspection and routing inspection during mass production---In process quality control(IPQC)
4. Checking the goods after they are finished---- Final quality control(FQC)
5. Checking the goods after they are finished-----Outgoing quality control(OQC)

Why Choose Us

Our Advantages

Superior Strength-to-Weight Ratio (Aluminum Brackets)

Aluminum brackets offer high tensile strength (typically 200–400 MPa) while being 60% lighter than steel, reducing overall system weight without compromising load capacity. Ideal for applications requiring frequent reconfiguration (e.g., retail displays, warehouse racking) where mobility and ease of installation are critical.

Corrosion Resistance (Stainless Steel Brackets)

Stainless steel (e.g., 304/316 grades) contains $\geq 10.5\%$ chromium, forming a passive oxide layer that resists rust, chemicals, and humidity. Essential for harsh environments (e.g., food processing, marine storage, outdoor facilities) where longevity and hygiene are prioritized.

Customizable Precision for Complex Layouts

CNC machining enables intricate designs (e.g., angled cuts, embedded threads, or integrated cable management) to fit unique spaces or equipment. Supports modular systems with adjustable hole patterns, allowing shelves to be repositioned without additional drilling.

Cost-Effective Durability for High-Traffic Applications

Stainless steel brackets withstand impact, abrasion, and extreme temperatures (up to 870°C for certain grades), reducing replacement costs over time.

Aluminum brackets, while lighter, are often powder-coated or anodized for enhanced wear resistance, extending service life in commercial settings.

Aluminum Material

Material:

Aluminum 5052

Aluminum 6061

Aluminum 6063 etc

Finish:

Anodic Oxidation

Polishing

Powder Coating

Spray Painting



Why Choose Us



Multiple Machines

5-Axis CNC & Imp Professional machines, skillful workers, machines, skillful
with accuracy of guarantee the quality and lead time. guarantee fast lead time



Strictly Confidential

We will protect the customers' design
and the customer can request a
confidentiality agreement



Quality Inspection

We have a strict quality inspection
process to ensure the quality of our
products

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



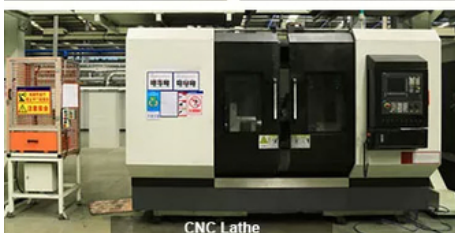
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



FAQ

1. How can I get the price? - We usually quote within 24 hours after we get your inquiry (except weekend and holidays). If you are urgent to get the price, please email us or contact us in other ways so that we can offer you a quote.
2. Can I buy samples? - Yes. Please feel free to contact us.
3. What is your lead time? - It depends on the order quantity and the season you place the order. Usually we can ship within 7-15 days for small quantity, and about 30 days for large quantity.
4. What is your payment term? - T/T, Western Union, MoneyGram, and Paypal. This is negotiable.
5. What is the shipping method? - It could be shipped by sea, by air, or by express (EMS, UPS, DHL, TNT, FEDEX etc). Please confirm with us before placing orders.
6. How do you make our business long-term and good relationship? - We keep good quality and competitive price to ensure our customers benefit. Furthermore, we respect every customer as our friend and we sincerely do business and make friends with them, no matter where they come from.



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