



Anodized Aluminum Die Casting Hardware Parts with Customized Dimensions and CNC Machining

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: ISO 9001:2000
- Minimum Order Quantity: 100
- Price: 1.99



Product Specification

- Material: Aluminum Alloy
- Surface Treatment: Anodizing
- Casting Tolerance: CT7-CT8
- Surface Roughness: Ra 12.5um
- Weight Range: 0.1-100kg
- Max Linear Size: 1200mm
- Max Diameter Size: 600mm
- Machining Precision: 0.008mm
- Reposition Accuracy: 0.006mm
- Machining Roughness: Ra0.8~6.3um
- Max Spindle Travel: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Extrusion Capacity: 6800 Ton
- Profile Diameter: 350mm
- Production Capacity: 10000 Pieces/Year



More Images



Product Description

Anodized AA10 Hardware Parts Industrial Accessory Aluminum Investment Die Casting

Metalplus specializes in aluminum industrial profile design and manufacturing with a production base of more than 100,000 square meters and annual capacity exceeding 100,000 tons.

Product Portfolio

Aluminum Profile	Die Casting
Aluminum Profile System	
Aluminum Extrusion Enclosure	
LED Aluminum Extrusion Profiles	Die Casting LED Housing
Aluminum Frame	Stainless Steel Casting
Customized Aluminum Profile	Aluminum Casting
Aluminum Heat Sink	Aluminum Composite Panel
Electric Motor Housing Aluminum Profile	
Construction Aluminum Profile	
Aluminum Extrusion Tube	

Product Description

Aluminum is the most frequently used material for aluminum castings to produce lightweight parts. Low pressure casting of aluminum alloy involves filling aluminum molds and completing solidification under low working pressure (0.06-0.15MPa) to obtain high-quality castings.

Precision die casting parts are widely used in hardware parts, auto motor parts, machinery parts, and medical equipment.

Technical Specifications

Material	Aluminum Alloy, Carbon Steel, Alloy Steel, Stainless Steel
Process	Drawings → Mould Making → Die Casting → Rough Machining → CNC Machining → Surface Treatment → Product Checking → Packing → Delivery
Casting Dimension Tolerance	CT7-CT8
Casting Surface Roughness	Ra 12.5um
Casting Weight Range	0.1-100kg
Casting Size	Max linear size: 1200mm, Max diameter size: 600mm
Machining Precision	Positioning accuracy 0.008mm, Repeat positioning accuracy 0.006mm
Machining Surface Roughness	Ra0.8~6.3um
Max Travel Of Spindle	1800mm x 850mm x 700mm
Max Turning Diameter	1000mm
Material Standard	GB, ASTM, AISI, DIN, BS, JIS, NF, AS, AAR
Surface Treatment	Electroplating, Chrome Plating, Zinc Plating, Nickel plating, Electrophoresis, Anodization, Polishing, Powder coating, Sandblasting, Passivation, Spray painting, etc.

Casting Process Type	High Pressure Die Casting (HPDC), Vertical Low Pressure Die Casting (LPDC), Precision Sand Casting, Lost Foam Casting, Investment Casting, Metal Casting
Service Available	OEM & ODM
Quality Control	0 defects, 100% inspection before packing
Application	Train & railway, automobile & truck, construction machinery, forklift, agricultural machinery, shipbuilding, petroleum machinery, construction, valve and pumps, electric machine, hardware, power equipment
MOQ	1 TON
Payment Terms	T/T, L/C at sight
Port	Shanghai Port

Our Advantages

We export the majority of our customized products to the United States and Europe, building long-term relationships with regular customers through our extensive experience and ability to meet diverse needs.

- Over 17 years of manufacturing experience in Aluminum Extrusion
- Strong design capabilities with fast extrusion, CNC machining, milling, and turning services
- Complete metal processing capabilities including laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process for long-term stability

Technical Support

- Custom design services for extruded profiles with CAD drawings and 3D models
- Professional R&D team for design analysis and optimization to reduce costs and improve performance
- One-stop service from product design to surface treatment with complete quality control

Factory Equipment

Extrusion

44 aluminum extrusion lines with PLC control systems, including a 6800-ton unit for profiles up to 600mm diameter. Capable of producing radiators, industrial fan blades, motor enclosures, and architectural profiles.

Anodizing

6 anodizing production lines producing uniform oxidation films in silver, black, gold, champagne, and imitation steel colors. Strict quality control ensures consistent batch quality.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, automatic cutting machines, 30 punching machines, and bending equipment for complex profile processing.

Packing & Shipping

Manual packaging with strict warehouse management procedures and comprehensive inspection before delivery.

Certifications

Company History

- 2004: Recognized brand of building industry material market
- 2006: ISO9001 certification and product quality exemption
- 2009: Advanced company status and Jiangsu famous brand
- 2012: Established partnerships with Panasonic and LG
- 2015: Innovative producer and supplier for European clients
- 2017: Developed new baseboard heater products
- 2019: Supplier for world's largest heater manufacturers
- 2023: Expanding overseas distributor network

Notable Projects

Soccer City Stadium, Johannesburg

Main aluminum supplier for Africa's largest capacity stadium (94,000 seats).

Lobster Trailers

Collaboration with Nordic trailer giant featuring design optimization and advanced processing.

School Desk Project

Supplier of aluminum legs for school desks, supporting local customer Dadn's successful bid.



 +86-13861643436

 aluminum@hentec.com.cn

 aluminumextrusion-profiles.com

Qinfeng Road No.555 Huashi Town Jiangyin Jiangsu China (mainland) 214421