



Precision CNC Machinery Spare Parts Aluminum Die Casting with Matte Powder Painting

Our Product Introduction

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

Basic Information

- Minimum Order Quantity: 100
- Price: 1.99



Product Specification

- 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
- Dimension Tolerance: CT7-CT8
- Surface Roughness: Ra 12.5um
- Weight Range: 0.1-100kg
- Max Linear Size: 1200mm
- Max Diameter Size: 600mm
- Machining Precision: Positioning Accuracy 0.008mm, Rep. Position. Accuracy 0.006mm
- Machining Roughness: Ra0.8~6.3um
- Max Spindle Travel: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Material Standard: GB, ASTM, AISI, DIN, BS, JIS, NF, AS, AAR



More Images



Product Description

Precision CNC Machinery Spare Parts - Aluminum Die Casting with Matte Powder Painting

Metalplus specializes in aluminum industrial profile design and manufacturing with a production base exceeding 100,000 square meters and annual capacity over 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 (ACP)
Electric Motor Housing Aluminum Profile	
Construction Aluminum Profile	
Aluminum Extrusion Tube	

Product Description

Aluminum is the primary material for producing lightweight die-cast parts. Our low-pressure casting process (0.06-0.15MPa working pressure) ensures high-quality castings by filling aluminum molds under controlled pressure during solidification.

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

Technical Specifications

Parameter	Specification
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 12.5μm
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	Ra 0.8-6.3μm
Max Travel Of Spindle	1800mm × 850mm × 700mm
Max Turning Diameter	1000mm

Material Standards	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 Types	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

Manufacturing Advantages

- 17+ years of aluminum extrusion manufacturing experience
- Strong design capabilities with fast extrusion, CNC machining, milling, and turning
- Complete metal processing facilities including stamping, laser cutting, CNC bending, and welding
- Comprehensive quality control throughout manufacturing process for long-term stability
- Regular exports to United States and Europe with established customer relationships

Technical Support Services

- Custom design services for extruded profiles with CAD drawings and 3D models
- Professional R&D team for design analysis and optimization
- One-stop service from product design to surface treatment
- Raw material composition control and production process accuracy maintenance

Factory Equipment Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, including 6800-ton extruder for profiles up to 600mm diameter. Custom mold production for complex structures.

Anodizing

6 anodizing production lines with uniform oxidation film thickness and color options including silver, black, gold, champagne, and imitation steel.

Painting

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

CNC Machining

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

Packing & Shipping

Strict warehouse management with manual packaging and comprehensive inspection before delivery.

Quality Certifications

Notable Projects

Soccer City Stadium, Johannesburg

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



Lobster Trailers

Collaboration with Nordic trailer manufacturer featuring design optimization and cost-effective production.

School Furniture Project

Aluminum legs supplier for school desks through local customer Dadn.



 +86-13861643436  aluminum@hentec.com.cn  aluminumextrusion-profiles.com

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