



## Actuator Motor Housing ADC12 Aluminum Investment Die Casting

### Basic Information

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



### Product Specification

- Material: Aluminum Alloy
- Tolerance Grade: 7
- Surface Treatment: Anodizing
- 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, Rep. Position. Accuracy 0.006mm
- Machining Surface Roughness: Ra0.8~6.3um
- Max Travel Of Spindle: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Casting Process Type: High Pressure Die Casting (HPDC) Vertical



### More Images



## Product Description

### Actuator Motor Housing ADC12 Aluminum Investment Die Casting

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

Aluminum Profile	Aluminum Fan Blade Profiles
Aluminum Profile System	Customized Aluminum Profile
Aluminum Extrusion Enclosure	Aluminum Heat Sink
LED Aluminum Extrusion Profiles	Electric Motor Housing Aluminum profile
Aluminum Frame	Construction Aluminum Profile

### Product Description

Aluminum is the most frequently used material for aluminum castings to produce lightweight parts. The basic principle of low pressure casting involves filling aluminum molds with liquid aluminum alloy under low working pressure (0.06-0.15MPa) to obtain high-quality castings through controlled solidification.

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

### Specifications

Parameter	Details
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
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. Our extensive experience enables us to easily satisfy diverse customer requirements.

- 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 stamping, laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process for long-term stability and excellent quality

## Technical Support

Our comprehensive technical support services include:

- Custom design services for extruded profiles with CAD drawings and 3D models
- Professional R&D team analysis and design optimization to reduce production costs and improve product performance
- One-stop service model covering product design, custom molds, aluminum bar melting, extrusion profiling, precision machining, and surface treatment

## Factory Equipment

### Extrusion

Equipped with 44 aluminum extrusion lines capable of producing commercial and industrial aluminum profiles with maximum outer diameter of 350mm. Our largest 6800-ton extruder handles industrial profiles up to 600mm diameter for complex structures including radiators, industrial fan blades, motor enclosures, and solar cell frames.

### Anodizing

Six anodizing production lines create uniform oxidation films for improved corrosion resistance, hardness, and wear resistance. Available in silver, black, gold, champagne, and imitation steel colors with custom options available.



### Painting

Four powder spraying lines using high-quality Gema Switzerland spray nozzles with safe, environmentally friendly paint featuring strong adhesion and durable color retention.

### CNC Machining

Advanced machining equipment operated by experienced technicians ensures precision and quality:

- 12 PRATIC machining centers for milling, drilling, and tapping profiles up to 6 meters
- Fully automatic Wegoma cutting machines for precise cutting with continuous material feeding
- 30 punching machines (50-100 tons capacity) for thick profiles over 5mm
- 10 stretch bending machines for precise arc and angle bending
- 10 milling machines for various plane, bevel, and groove machining

[Redacted]

[Redacted]

[Redacted]

### Packing & Shipping

Manual packaging with strict warehouse management procedures, organized storage sections, comprehensive transaction recording, and pre-delivery examination.

[Redacted]

### Certifications

[Redacted]

### Company History

- 2004: Recognized Brand of the Building Industry Material Market
- 2006: Product Exemption from Quality Surveillance Inspection Certificate & ISO9001
- 2009: Advanced Company, Jiangsu Famous Brand Certificate, Credible Product of Quality in Jiangsu Province
- 2012: Established business relationships with Panasonic and LG
- 2015: Innovative producer and supplying partner for European clients
- 2017: Developed new baseboard heater products
- 2019: Cooperated with world's largest heater manufacturers, supplying aluminum shells
- 2023: Expanding overseas distributor network for win-win benefits

### Project Portfolio

[Redacted]

Soccer City Stadium, Johannesburg: As main aluminum supplier for Africa's largest 94,000-seat stadium, we contributed to this major South African construction project.

[Redacted]

Lobster Trailers: Collaboration with Nordic trailer giant featuring design analysis, improvement, and optimized processing to minimize costs and enhance product performance.

[Redacted]

School Project: Supplied aluminum legs for school desks, supporting local customer Dadn's successful bid with strong design capabilities and mature technology.



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

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