

Industrial Actuator Shell Aluminum Motor Housing Parts Die Casting

Our Product Introduction

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

Basic Information

- Minimum Order Quantity: 100
- Price: 1.99

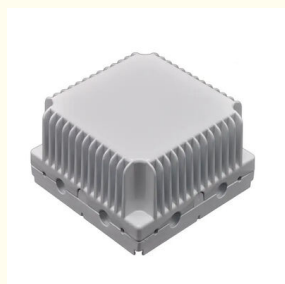


Product Specification

- 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
- 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



More Images



Product Description

Industrial Actuator Shell Aluminum Motor Housing Parts 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	Aluminum Fan Blade Profiles
Aluminum Profile System	
Aluminum Extrusion Enclosure	
LED Aluminum Extrusion Profiles	Die Casting
Aluminum Frame	Die Casting Led Housing
Customized Aluminum Profile	Stainless Steel Casting
Aluminum Heat Sink	Aluminum Casting
Electric Motor Housing Aluminum profile	ACP Aluminum Composite Panel
Construction Aluminum Profile	
Aluminum Extrusion Tube	

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 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 components, automotive motor parts, machinery parts, 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, 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, etc.
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 our customers through consistent quality and reliable service.

- Over 17 years of manufacturing experience in Aluminum Extrusion
- Strong design capabilities with fast extrusion, CNC machining, milling, and turning services
- Complete metal processing facilities 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 ensure optimal product design and performance:

- 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 model covering product design, mold customization, aluminum bar melting, extrusion profiling, precision machining, and surface treatment

Factory Equipment

Extrusion

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

Anodizing

Our 6 anodizing production lines create uniform aluminum oxide layers for improved corrosion resistance, hardness, and wear resistance. Available in silver, black, gold, champagne, and imitation steel colors with custom options available.

Painting

4 powder spraying lines equipped with high-quality Gema Switzerland spray nozzles using safe, environmentally friendly paint with 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 high efficiency

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

Packing & Shipping

Strict warehouse management with organized product storage, comprehensive transaction records, and thorough inspection before delivery.

Certifications

Company History

2004 - Recognized brand of the building industry material market

2006 - Certificate for product exemption from quality surveillance inspection and ISO9001 certification

2009 - Advanced company status, Jiangsu famous brand certificate, and 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 as aluminum shell supplier

2023 - Expanding overseas distributor network for win-win benefits

Notable Projects

Soccer City Stadium, Johannesburg

As main aluminum supplier for Africa's largest stadium (94,000 seats), we contributed to this major South African infrastructure project that received unanimous praise upon completion.

Lobster Trailers

Collaboration with Nordic trailer giant featuring professional R&D team design analysis and optimization, processed with excellent equipment and technology to minimize production costs and improve product performance.

School Project - Dadn Company

Supplied aluminum legs for school desks, leveraging strong design capabilities and mature technology to help customers win project tenders.

