



Pump Valve Housing Metal Alloy Parts Aluminum Lost Wax 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
- 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

Pump Valve Housing Metal Alloy Parts Aluminum Lost Wax 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 of aluminum alloy involves filling the aluminum mold and completing the solidification process 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.

Technical 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
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, where our customers have become regular clients. With over 17 years of manufacturing experience in aluminum extrusion, we can easily satisfy customers' needs.

- Over 17 years of manufacturing experience in Aluminum Extrusion

- Strong design and manufacturing capabilities including extrusion, CNC machining, milling, and turning with fast turnaround

- Complete metal processing machines 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 of extruded profiles based on customer requirements, providing CAD drawings and 3D models for confirmation

- Professional R&D team analysis and optimization of customer designs to reduce production costs and improve product performance

- "One-stop" service model including product design, custom molds, aluminum bar melting and casting, extrusion profiling, precision machining, and surface treatment

Factory Equipment & Capabilities

Extrusion

Equipped with 44 aluminum extrusion lines, MetalPlus produces various standards of commercial and industrial aluminum profiles with maximum outer diameter of 350mm. Our largest extruder is a 6800-ton unit capable of producing industrial profiles up to 600mm diameter.

Anodizing

MetalPlus operates 6 anodizing production lines producing uniform oxidation film thickness and color. Available colors include silver, black, gold, champagne, and imitation steel, with custom colors available upon request.

Painting

Our factory features 4 powder spraying lines using high-quality spray nozzles from Gema Switzerland, with safe and environmentally friendly paint offering strong adhesive force and durable color retention.

CNC Machining

MetalPlus is equipped with advanced machining equipment operated by experienced technicians:

- 12 PRATIC machining centers for milling, drilling, and tapping of profiles up to 6 meters

- Fully automatic cutting machines from Wegoma for precise cutting with continuous material feeding

- 30 punching machines with pressure ranging from 50 to 100 tons
- 10 stretch bending machines for precise arc and angle bending
- 10 milling machines for various plane, bevel, and groove machining

Packing & Shipping

Finished products are manually packaged and ready for delivery. We maintain strict warehouse management procedures with organized storage sections and comprehensive transaction recording.

Certifications

Company History

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

Notable Projects

Soccer City Stadium, Johannesburg

The 94,000-seat stadium is the largest capacity stadium in Africa. We were honored to participate as the main aluminum supplier for this major South African project.

Lobster Trailers

We proudly cooperate with Lobster Trailers, a Nordic trailer giant. Our professional R&D team analyzes and improves upon their designs, processing them with excellent equipment and technology to minimize production costs and improve product performance.

School Desk Project

Supplied aluminum legs for school desks through our local customer Dadn. Our strong design capabilities and mature technology help customers secure project tenders.



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

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