

High-Precision Aluminum Sand Casting

This high-precision aluminum sand casting is manufactured using advanced machinery technology. It features robust construction with multiple mounting points and precise bore diameters for various mechanical applications.



Overview

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This high-precision aluminum sand casting is engineered for demanding mechanical and industrial applications where durability is paramount. Utilizing cost-effective wooden and aluminum molds, this process offers significant price advantages for both small batch and bulk production runs. The castings feature robust construction designed to support precise mechanical integration and long-term reliability.

Technical Specifications

Dimensional Precision	±1mm
Surface Roughness (Ra)	6.4 µm
Shrinkage Rate	2 %
Material Wastage Rate	7 %
Machining Allowance	2mm - 3mm

Surface Treatment

Available Surface Preparations	Sand blasted, Shot blasting, Powder coating, Painting, Plating, Electrophoresis, Polishing
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Production Details

Mold Types Used

- Wooden molds
- Aluminum molds

Production Metrics

2 %

Shrinkage Rate

7 %

Material Wastage