

# Aluminum Gravity Casting Part for Machinery

This aluminum gravity casting part is designed for general machinery applications. It is manufactured using advanced gravity casting techniques to ensure consistent quality and performance.



## Product Overview

### Precision Aluminum Gravity Casting

This aluminum gravity-casting component is engineered for demanding industrial machinery applications. Utilizing advanced permanent mold technology, the part is formed by the natural weight of molten metal, ensuring superior structural integrity and dimensional accuracy. The manufacturing process includes rigorous steps such as smelting, precise cavity filling, controlled cooling, and heat treatment to deliver a robust, reliable end product.

## Technical Details

### Manufacturing Process Flow

- Smelting
- Cavity Filling
- Exhaust
- Cooling
- Mold Opening
- Heat Treatment
- Downstream Processing

<b>Primary Casting Method</b>	Gravity Casting (Permanent Mold)
<b>Supported Casting Techniques</b>	Sand Casting, Metal Mold Casting, Investment Casting, Lost Foam Casting, Mud Casting