

# Pneumatic Air Casters for Heavy Load Movement

These air casters utilize compressed air to create a thin film, allowing for near-frictionless movement of heavy loads. The system distributes weight evenly, preventing floor damage and enabling precise positioning of equipment.



## ADDITIONAL IMAGES



## Product Overview

### Precision Heavy Load Movement

These pneumatic air casters are designed for moving heavy loads with minimal effort and precision. By utilizing compressed air to create a thin film between the load and the floor, the system enables near-frictionless movement, making it ideal for delicate handling and applications where traditional wheels are unsuitable. The system is compact, durable, and engineered to protect both your equipment and floor surfaces from damage.

## Technical Specifications

### Operational Advantages

- Near-frictionless movement
- No environmental pollution
- Protects floor surfaces from damage
- Compact and simple structure
- Flexible and safe operation
- Suitable for cleanroom environments

### System Components

Component	Function
Air Bearing Modules	Creates air film for lifting
Control Unit	Regulates pressure and air flow
Pneumatic Hoses	Connects air supply to modules
Yellow Plates	Load distribution and mounting

## Performance Metrics

### Service Life

**10 years**

Expected Lifespan

### Global Presence

Exported to 50+ countries