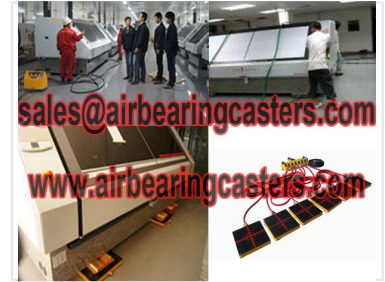


# Air Bearing Casters for Heavy Load Movement

Air bearing casters utilize a thin film of air to float heavy loads, enabling smooth and omnidirectional movement. These casters are designed for moving heavy loads with precision and ease, reducing friction and wear compared to traditional casters or wheels.



## ADDITIONAL IMAGES



## Product Overview

### Precision Load Movement Technology

Air bearing casters utilize a thin film of pressurized air to create a nearly frictionless interface between heavy loads and the floor. This technology allows for the smooth, omnidirectional movement of massive machinery and sensitive equipment with minimal effort. By floating the load, these systems eliminate floor surface damage and remove the need for specially reinforced flooring, making them an ideal solution for manufacturing, aerospace, and cleanroom environments.

## Operational Requirements

### Key Operational Benefits

- Eliminates floor surface damage
- Reduces friction and wear
- Omnidirectional movement capability
- Minimal vibration during transport
- Precision positioning for sensitive equipment

### Required Floor Conditions

Flat, Level, Concrete, Dry

## System Components

### System Components

- Multiple air bearing modules
- Central control unit
- Compressed air supply interface

## Applications

### Suitable Industries

Aerospace • Manufacturing • Cleanroom • Heavy Machinery