

# Air Bearing Casters for Flat Surfaces

Air bearing casters utilize a thin layer of air to float heavy loads on flat surfaces. This enables smooth and effortless movement, making them suitable for cleanrooms and applications requiring minimal vibration.



## ADDITIONAL IMAGES



## Product Overview

### Precision Load Handling Solution

These air bearing casters are engineered to facilitate the safe and efficient movement of heavy, awkward, or delicate industrial loads. By utilizing a thin film of compressed air, they create a near-frictionless interface that allows for smooth, precise positioning while protecting floor surfaces from damage. This system is ideal for high-tech manufacturing and cleanroom environments where minimal vibration and controlled movement are critical.

## Operational Characteristics

### Operating Requirements

- Requires compressed air source
- Must be used on relatively flat floor surfaces
- Requires pneumatic hose connection
- Controlled via central airflow regulator

### Key Benefits

Low Friction, Floor Protection, High Maneuverability, Precise Positioning, Low Profile

## Performance Metrics

### Performance Highlights

**0 Near Zero**  
Friction Coefficient

**1 Minimal**  
Surface Impact

## Application Suitability

### Ideal Environments

Cleanrooms • Manufacturing • Assembly Lines • Material Handling