

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