

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 ideal for cleanroom environments and applications requiring precise positioning.



ADDITIONAL IMAGES



Overview

Advanced Air Bearing Technology

These air bearing casters utilize a thin film of compressed air to float heavy loads, enabling smooth, omnidirectional, and near-frictionless movement. Designed for durability and longevity, they provide an ideal solution for moving sensitive machinery and heavy equipment while protecting floor surfaces from damage. The system includes air bearing modules, hoses, and a central control unit, offering a safe, spark-free, and low-vibration operation suitable for cleanroom and precision environments.

Technical Specifications

Included System Components

- Air bearing modules
- Air hoses
- Central control unit

Design Capabilities

Adjustable height • Modular design • Customizable configurations

Operational Features

Spark-free operation, Low floor loading, Omnidirectional movement, Minimal vibration, Near-frictionless

Performance Metrics

Load Capacity

20 years

Operational Lifespan

Suitable Environments

- Cleanroom facilities
- Aerospace manufacturing
- Sensitive machinery transport
- Heavy equipment positioning