

Air Bearing Casters for Heavy Load Transport

Air bearing casters utilize compressed air to create a thin layer of air, allowing for near-frictionless movement of heavy machinery and equipment. The system includes multiple air bearing modules connected to a control unit, providing stable support and regulated airflow.



ADDITIONAL IMAGES



Overview

Heavy Load Air Bearing System

These air bearing casters offer a versatile and efficient solution for moving heavy or delicate loads with ease. By utilizing a thin film of compressed air, the system allows for smooth, omni-directional movement across suitable floor surfaces. The entire setup is designed for rapid deployment, capable of being fully operational in less than 10 minutes.

Performance Specifications

Load Capacity Range

10 tons

Minimum Capacity

48 tons

Maximum Capacity

Customization

Yes

System Components

Included Components

- Air bearing modules
- Pneumatic hoses with quick-connect fittings
- Control unit with valves and gauges
- Load-bearing platforms

Design Features

Omni-directional movement, Frictionless operation, Independent zone control, Circular diaphragm design

Technical Details

Material Construction

Component	Material Type
Platform	Composite Material
Air Bearing	Flexible Polymer
Frame	Metal

Setup Time	Less than 10 minutes
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