

Air Bearing Casters for Heavy Load Movement

Air bearing casters are designed for moving heavy loads with minimal friction. They use a thin layer of compressed air to create a nearly frictionless interface between the load and the floor, allowing for smooth and precise movement.



ADDITIONAL IMAGES



Product Overview

Precision Heavy Load Movement

Air bearing casters, or air moving skates, provide a nearly frictionless solution for transporting heavy machinery and delicate equipment. By utilizing a thin layer of compressed air, these systems allow for smooth, omnidirectional movement while protecting floor surfaces from damage. They are an essential tool for industrial settings requiring precise positioning, reduced vibration, and the capability to handle loads ranging from a few hundred pounds to over 150 tons.

Technical Specifications

Modular Configurations

- 10 tons capacity
- 16 tons capacity
- 20 tons capacity
- 4-module systems
- 6-module systems

Load Capacity Range	Up to 150+ tons
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Safety Minimums	3 modules
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Design & Construction

Diaphragm Material	Wear-resistant urethane
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Key Features	Omnidirectional movement, Low floor loading, Minimal vibration, Modular design
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Applications

Ideal Environments

Cleanrooms • Manufacturing Facilities • Aerospace • Industrial Settings