

Air Casters for Heavy Load Movement

Air casters are pneumatic lifting devices using compressed air to create a thin film, allowing movement with minimal friction. These casters are suitable for moving heavy or delicate objects in industrial applications.



ADDITIONAL IMAGES



Overview

Air Bearing Load Moving Systems

These air bearing and caster systems are designed for moving and handling heavy loads with exceptional ease and precision. By utilizing compressed air to create a thin, frictionless film between the load and the floor, they allow for omnidirectional movement and precise positioning. This technology is an optimal, safe, and economical solution for transporting heavy or delicate equipment without causing floor damage.

Technical Capabilities

Load Capacity

1 ton

Minimum Capacity

50 ton

Maximum Capacity

Key Operational Features

- Near-frictionless transport
- Omnidirectional movement
- Precise horizontal positioning
- Minimal floor stress
- Adjustable height compatibility

Ideal Environments

Manufacturing, Warehousing, Cleanroom Environments, Industrial Settings

System Requirements

Operational Requirements

Requirement	Description
Power Source	Compressed air supply
Surface	Smooth, level floor
Control	Compatible with external control systems