

Air Bearing Casters for Heavy Load Maneuvering

Air bearing casters enable easier movement of heavy loads. These casters utilize a thin layer of pressurized air to create a near-frictionless interface.



Product Overview

Precision Load Maneuvering

These air bearing casters provide a frictionless solution for moving heavy loads ranging from 10 to 48 tons. By utilizing a regulated flow of compressed air, the system creates a cushion that protects delicate flooring, such as epoxy resin, while eliminating floor markings. Designed for durability and stability, these casters are ideal for clean room environments and applications requiring shock-free transport.

Performance Specifications

Load Capacity Range

10 tons

Minimum Capacity

48 tons

Maximum Capacity

Expected Service Life

10+ years

Key Features

Operational Benefits

- Near-frictionless movement
- Floor surface protection
- Clean room compatible
- Shock-free transport
- Reduced operator labor force

Suitable Environments

Clean Rooms, Manufacturing, Warehousing, Assembly Lines

Technical Details

System Components

Component	Function
Air Bearing Pad	Generates air cushion for load floating
Square Frame	Structural housing for the bearing
Air Supply Hose	Connects to regulated air source