

Air Bearing Casters for Heavy Load Movement

Air bearing casters use compressed air to create a thin air layer, virtually eliminating friction for moving heavy loads. These casters are ideal for applications requiring precise, damage-free movement where traditional wheels are unsuitable.



ADDITIONAL IMAGES



Product Overview

Precision Heavy Load Handling

These air bearing casters function as high-performance pneumatic lifting devices, utilizing a thin layer of compressed air to hover loads just millimeters off the ground. By virtually eliminating friction, this technology allows for effortless, omnidirectional movement of multi-ton machinery across flat, non-porous surfaces. They offer an ideal solution for industries requiring damage-free transportation of sensitive or heavy equipment where traditional wheeled systems fail.

Technical Capabilities

Performance Metrics

0 Near-zero
Friction Coefficient

360 Omnidirectional
Maneuverability

Capacity Range

10 Tons, 16 Tons, 20 Tons

Operational Requirements

Power Source

Compressed Air

Surface Compatibility

Flat, non-porous surfaces

System Components

Included Equipment

- Air Skates (Air Bearings)
- Air Control Console
- Connecting Hoses
- Load Distribution Pads

Construction

Diaphragm Material

Wear-resistant urethane