

# 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
------------	----------------------