

# Pneumatic Air Bearing Casters

Air bearing casters are pneumatic lifting devices that use compressed air to create a thin layer of air between the load and the floor, allowing for nearly frictionless movement. These casters offer omnidirectional movement, precise positioning, and floor protection.



## ADDITIONAL IMAGES



## Overview

### Pneumatic Air Bearing Casters

These pneumatic air bearing casters utilize compressed air to create a thin air film, enabling the frictionless movement of heavy loads. Designed for safety and efficiency, the system operates without sparks or environmental pollution, making it suitable for delicate environments. The solution provides omnidirectional movement and precise positioning, significantly reducing labor strength during transport.

## Technical Specifications

### Capacity Range

**10 T**

Minimum Capacity

**100 T**

Maximum Capacity

### Standard System Components

- Air modules (4 or 6 units)
- Air control console
- Vice air tubes
- Main air tube

### Power Source

Compressed air

### Environmental Impact

Spark-free, Pollution-free

## Applications

### Primary Industries

Manufacturing • Aerospace • Construction • Cleanroom Environments

### Key Operational Benefits

- Omnidirectional movement
- Precise positioning
- Low profile design
- Ease of installation
- Minimal maintenance
- Vibration-free transport