

# Air Bearing Casters for Precision Equipment

Air bearing casters facilitate the movement of heavy loads with precision and minimal friction. These casters use compressed air to create a thin air layer, enabling nearly frictionless movement ideal for cleanrooms and manufacturing.



## ADDITIONAL IMAGES



## Overview

### Precision Air Bearing System

These air bearing casters are specialized handling tools designed to transport heavy machinery with exceptional stability and balance. By utilizing a thin layer of compressed air, the system creates a nearly frictionless environment, allowing for effortless movement of sensitive and heavy loads. This technology is ideal for cleanroom environments, aerospace manufacturing, and any application requiring precise positioning with minimal vibration.

## Technical Features

### System Components

- Multiple air bearing modules
- Control unit with pressure gauges
- Air hoses for connection
- Rigid mounting platform

### Movement Mechanism

Compressed air flotation (frictionless)

### Key Benefits

Friction-free movement, Minimal vibration, Precise positioning, Floor protection, High maneuverability

## Construction & Materials

### Platform Construction

Durable steel or aluminum

### Bearing Material

Flexible inflatable material

## Applications

### Suitable Industries

Cleanroom • Aerospace • Manufacturing • Precision Instrument Handling