

# Air Casters for Heavy Load Movement

Air casters utilize compressed air to create a thin film, allowing for near-frictionless movement of heavy loads. These casters are suitable for delicate loads in industrial environments and offer omni-directional movement.



## Overview

### Heavy-Duty Air Caster System

Air casters utilize compressed air to create a thin gas film, enabling near-frictionless movement of heavy or delicate loads. Designed for industrial environments, these modules allow for omni-directional movement and precise positioning in tight spaces. The system features a thickened, elastic air bag construction to ensure durability and reliable performance during operation.

## Technical Features

Movement Type	Omni-directional
Operational Principle	Compressed air gas film
Key Benefits	Near-frictionless movement, Non-marking, Floor protection, Precise positioning

## Operational Requirements

Air Supply Source	Industrial air compressor
Surface Compatibility	Smooth, level surfaces

## Construction

### Air Bag Construction

Thickened material • High elasticity • Burst-resistant

## Applications

### Typical Applications

- Heavy machinery transport
- Production line equipment
- Delicate component handling
- Cleanroom operations