

# Air Casters for Heavy Load Movement

Air casters are designed for moving heavy loads with ease and precision. Compressed air is used to create a near-frictionless interface between the load and the floor.



## ADDITIONAL IMAGES



## Overview

### Air Film Transportation Technology

Air casters utilize a flexible membrane system operated by compressed air to create a thin film of air between the load and the floor surface. By floating heavy machinery or objects with minimal friction, these systems allow for safe, accurate, and omnidirectional positioning in tight spaces. This low-profile solution is ideal for industrial environments requiring precise heavy-load handling.

## Technical Features

Operating Principle	Compressed air creates a thin air film layer between the floor and the cushion
Movement Capability	Omnidirectional, Low Friction, High Precision
Design Profile	Low profile for easy insertion under heavy loads

## System Components

### Included Components

- Air caster platforms
- Control unit
- Pneumatic hoses

Control Mechanism	Multi-valve control unit for pneumatic regulation
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