

# Air Caster Load Moving System

Air caster systems utilize compressed air to create a thin layer of air between the load and the floor, enabling near-frictionless movement. These systems are ideal for moving heavy loads within the workplace, offering a versatile solution for material handling in various industrial environments.



## ADDITIONAL IMAGES



## Overview

### Air Caster Load Moving System

The Air Caster Load Moving System is an advanced industrial solution designed to transport heavy loads with precision and ease. By utilizing pneumatic air film technology, these systems create a thin layer of air between the load and the floor, enabling near-frictionless, omnidirectional movement. This method is ideal for manufacturing and warehousing environments where traditional equipment like forklifts or cranes may be impractical or unsafe.

## Technical Specifications

### System Configuration

- Air casters (inflatable air bearings)
- Control unit with pressure gauges
- Air hoses
- Quick connect air fittings
- Modular air bearing platforms

### Power Source

Pneumatic (Compressed Air)

### Surface Requirements

Smooth concrete, Non-porous, Flat, Level

## Key Features

### Performance Highlights

**4 skates**

Minimum Configuration

**6 skates**

Maximum Configuration

### Operational Benefits

No electricity required • Floor protection • Low profile design • Omnidirectional movement • Cost-effective

### Common Applications

- Heavy machinery relocation
- Industrial equipment handling
- Manufacturing plant logistics
- Warehouse load transport