

# Air Skates for Heavy Machinery Movement

Air skates facilitate the movement of heavy machinery using a thin layer of air, eliminating friction. This system ensures smooth, damage-free transport while evenly distributing the load.



## ADDITIONAL IMAGES



## Overview

### Heavy-Duty Air Bearing Moving System

These air skates, also known as air casters or air bearings, are designed for the frictionless and damage-free transport of heavy machinery. By utilizing compressed air to create a thin film between the skate and the floor, they allow for effortless movement of massive loads. This technology is ideal for sensitive equipment handling and cleanroom environments, ensuring no floor damage or pollution during operation.

## Performance Metrics

### Available Load Capacities

|                              |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|------------------------------|
| <b>16 tons</b><br>Capacity 1 | <b>20 tons</b><br>Capacity 2 | <b>32 tons</b><br>Capacity 3 | <b>48 tons</b><br>Capacity 4 |
|------------------------------|------------------------------|------------------------------|------------------------------|

### Capacity in LBS

| Metric Tons | Pounds (LBS) |
|-------------|--------------|
| 16          | 35200        |
| 20          | 44000        |
| 32          | 70400        |
| 48          | 105600       |

## System Features

### Key Advantages

Frictionless movement • No floor damage • Pollution-free • Modular design • High maneuverability

### System Components

- Main air supply
- Central control unit
- Air bearing modules (skates)
- Distribution point