

# Air Skates for Material Handling

Air skates utilize compressed air to create a thin air film, virtually eliminating friction for smooth movement of heavy loads. They are ideal for applications requiring precise positioning and are frequently used in cleanroom environments.



## ADDITIONAL IMAGES



## Product Overview

### Advanced Material Handling Solution

Air skates, also known as air casters or air bearings, utilize compressed air to create a thin air film between the skate and the floor, effectively eliminating friction. This technology allows for smooth, omnidirectional movement of heavy, bulky, or delicate items with minimal effort and maximum precision. Ideal for industrial settings such as manufacturing plants, warehouses, and cleanrooms, these skates offer a safe and efficient alternative to traditional material handling methods like forklifts or cranes.

## Technical Specifications

### Durable Design

Each skate features a rigid platform with specialized air bearings attached to the bottom. The bearings incorporate a flexible diaphragm that inflates when pressurized, lifting the load. The system is designed for years of trouble-free operation.

#### Power Source

Compressed air

#### Operational Features

Spark-free operation, Hazardous area compatible, Minimal floor damage, Omnidirectional movement

## System Components

### Included Components

- Air bearings
- Air hoses
- Control unit

### Control Unit Features

- Pressure gauges
- Regulators
- Shut-off valves
- Multiple air line connections