

Air Bearing Casters for Heavy Load Movement

Air bearing casters utilize compressed air to enable near-frictionless movement of heavy loads. These casters are used in industrial settings like manufacturing and warehousing for easy and precise movement of heavy items.



Product Overview

Precision Heavy Load Movement

Air bearing casters, also known as air skates or air film transporters, are designed to provide near-frictionless transport for various types of heavy loads. By utilizing a flow of compressed air, these systems create a thin air film between the bearing element and the floor surface, allowing for omni-directional movement. This equipment is essential for industrial applications where precise, heavy-duty material handling is required.

System Configuration

Standard Module Configuration

- 4-module configuration
- 6-module configuration

How It Works

Compressed Air, Air Film Technology, Load Balancing, Omni-directional Steering

Technical Specifications

Key System Components

Component	Function
Air Modules	Inflated bearing elements for lift
Control Unit	Regulates airflow and weight distribution
Support Platform	Rigid frame for mounting modules

Customization Available

Yes

Applications

Suitable Environments

Manufacturing • Warehousing • Rigging Operations • Heavy Duty Transport