

Air Bearings for Heavy Load Transport

Air moving systems have a simple structure and are effective for clean room moving and handling tasks. These air bearings utilize compressed air to create a thin film between the bearing and the floor, allowing for near-frictionless movement of heavy objects.



Product Overview

Precision Air Bearing Systems

Air bearing transporters, also known as air casters or air skates, provide a near-frictionless method for moving heavy loads across smooth surfaces. By utilizing compressed air to create a thin film between the bearing and the floor, these systems allow for effortless, omnidirectional movement of heavy equipment. They are ideal for material handling operations, such as moving large paper rolls or industrial machinery, ensuring safe and efficient transport in cleanroom environments.

Technical Capabilities

Load Capacities

- 10
- 16
- 20
- 32
- 48

Capacity Range

10 tons

Minimum Capacity

48 tons

Maximum Capacity

Operational Features

System Components

Component	Function
Air Bladder	Creates air film for lift
Control Unit	Regulates airflow and pressure
Flexible Hoses	Connects control unit to bladders

Movement Features

Omnidirectional, Low-Friction, Cleanroom Compatible, Heavy Load Handling