

Air Caster Rigging System for Heavy Load Movement

Air bearing casters offer a simple structure for flexible and convenient movement of heavy loads. The system utilizes air bearings to create a near-frictionless interface.



ADDITIONAL IMAGES



Product Overview

Precision Heavy Load Movement

The Air Caster Rigging System provides a professional solution for moving heavy machinery and industrial equipment with ease and precision. By utilizing compressed air to create a near-frictionless interface between the load and the floor, this system enables smooth, controlled movement while protecting floor surfaces from damage. It is an ideal choice for manufacturing, aerospace, and construction environments requiring accurate positioning of sensitive or heavy objects.

System Components

Included Components

- Air Control Console
- Load Skates (Air Casters)
- Integrated Air Bags/Bladders
- Pneumatic Air Hoses
- Control Manifold and Valves

Key Features

Operational Benefits

Low Friction • Floor Protection • High Maneuverability • Precise Positioning • Easy Operation • Stable Load Distribution

Technical Specifications

Operating Principle	Compressed air creates a thin film of air between the load and the floor surface, allowing for near-frictionless movement.
Control Method	Centralized air control console with independent pressure regulation for each caster to ensure balanced lifting.