

Air Caster Load Moving System

Air casters are designed for moving heavy loads over smooth, level surfaces. They utilize a thin layer of compressed air to float the load, reducing friction and allowing for easy maneuverability.



Overview

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The Air Caster Load Moving System, also known as air bearings or air skates, is engineered for the safe transport of heavy loads over smooth, level surfaces. By utilizing a thin layer of compressed air to float the load, this system significantly reduces friction, allowing for precise and controlled maneuverability. It is an ideal solution for industries such as manufacturing and aerospace where protecting sensitive or heavy equipment during relocation is critical.

Technical Specifications

Key Benefits

- Near-frictionless movement
- Even weight distribution
- Reduced risk of damaging precision instruments
- Controlled maneuverability for heavy loads

Operating Principle

Compressed air flotation

Common Applications

Manufacturing, Aerospace, Heavy Machinery Transport, Precision Instrument Relocation

System Components

Included Components

- Multiple air caster modules
- Connection hoses
- Central air supply regulation unit