

Modular Air Casters for Heavy Load Movement

Air casters facilitate flexible movement without pollution by using air as a material source. These modular air bearings create a thin layer of air between the load and the floor, enabling smooth and omnidirectional movement.



Product Overview

Frictionless Load Movement

Modular air casters, also known as air bearings, utilize compressed air to lift heavy equipment on a thin film of air, enabling virtually frictionless, omnidirectional movement. This system allows for the easy relocation of loads exceeding 50 tons with minimal manpower, ensuring smooth operation and protecting floor surfaces from damage. Designed for durability, these systems offer a long service life of over 10 years when properly maintained.

Performance Metrics

Maximum Load Capacity

50 tons

Load Capacity

110000 lbs

Load Capacity

Technical Specifications

Key Operational Benefits

- Frictionless movement
- Omnidirectional flexibility
- Floor protection
- Pollution-free operation

Power Source

Compressed Air

Maintenance & Care

Storage & Protection

To ensure maximum durability and prevent oxidation, air skates should be encased with plastic wrap after each use.

Expected Service Life

10+ years

Applications

Common Use Cases

Heavy Duty Equipment Moving, Air Rigging, Industrial Load Handling, Cleanroom Environments