

Air Bearing Casters for Heavy Load Movement

Air bearing casters facilitate the movement of heavy loads on a thin film of air. These casters connect to an air supply, which inflates the air bearings and allows the load to float, minimizing friction.



Product Overview

Air Bearing Technology for Heavy Loads

Air bearing casters, also known as air skates or air film transporters, utilize a thin film of compressed air to lift and move heavy loads with minimal friction. These systems are designed to provide omni-directional steering and effortless transport for sensitive machinery and heavy objects in manufacturing, cleanroom, or warehouse environments. By distributing weight across multiple air modules, they ensure stability and balance during operation.

Technical Specifications

Module Configuration

- 4-module system
- 6-module system

Movement Type

Omni-directional, Low-friction, Air-film supported

Customization

Yes

Operational Details

Operational Requirements

- Compressed air supply required
- Support plate or frame mounting
- Multiple modules used for load balancing

Suitable Environments

Manufacturing • Cleanroom • Warehouse • Rigging