

Air Bearing Casters for Heavy Load Movement

Air bearing casters utilize a thin film of air to float heavy loads, allowing for effortless movement in any direction. These systems are ideal for moving heavy machinery, equipment, or structures, reducing friction and minimizing the risk of damage.



ADDITIONAL IMAGES



Overview

Advanced Load Movement Solution

Air bearing casters utilize a thin film of compressed air to float heavy loads, enabling nearly frictionless, omnidirectional movement across smooth surfaces. These systems are designed for high-precision industrial applications, including clean rooms and manufacturing facilities, where protecting floor integrity is critical. By eliminating the need for traditional wheels, they minimize floor damage and allow for effortless maneuvering of heavy machinery and sensitive equipment.

Technical Specifications

Load Capacity Range

2.5 tons

Minimum Capacity

8 tons

Maximum Capacity

Module Configuration

- 4
- 6

Included Components

Air bearing modules, Air hoses, Control unit, Air supply interface

Performance & Benefits

Key Operational Benefits

Omnidirectional movement • Zero floor damage • Pollution-free • Low maintenance • High precision

Expected Lifespan

10+ years with proper care

Applications

Ideal Environments

- Clean rooms
- Manufacturing facilities
- Aerospace
- Warehousing
- Heavy machinery transport