

Air Bearing Casters for Heavy Load Movement

Air bearing casters utilize a thin film of air to enable nearly frictionless movement of heavy loads. The system allows for easy and precise positioning in manufacturing, aerospace, and other industrial settings.



ADDITIONAL IMAGES



Product Overview

Precision Air Bearing Systems

Air bearing casters utilize a thin film of compressed air to create a nearly frictionless movement, enabling the effortless and precise positioning of extremely heavy loads. This system includes multiple air bearing modules connected via hoses to a centralized control unit, which regulates airflow to ensure synchronized lifting and stability. By floating loads on a cushion of air, the system minimizes friction and protects floor surfaces, making it an ideal solution for manufacturing, aerospace, and cleanroom environments.

Technical Specifications

Key Operational Benefits

- High maneuverability
- Nearly frictionless movement
- Reduced floor damage
- Precise positioning capability
- Synchronized lifting control

Bearing Technology

Aerodynamic, Aerostatic

System Components

Included Components

- Air bearing modules
- Central control unit
- Connection hoses
- Pressure gauges
- Control valves

Application Suitability

Ideal Applications

Heavy Machinery • Aerospace • Cleanroom Environments • Sensitive Equipment • Industrial Manufacturing