

Air Bearing Casters for Heavy Load Movement

Air bearing casters use compressed air to create a thin air film, allowing for near-frictionless movement of heavy loads. The control unit regulates airflow to each bearing, ensuring stability and smooth operation, even on uneven surfaces.



Product Overview

Precision Heavy Load Movement

These air bearing casters provide an advanced, near-frictionless solution for transporting heavy loads ranging from one ton up to 50 tons. By utilizing a thin film of compressed air, the system allows for safe, omnidirectional movement and precise positioning of heavy machinery without damaging floor surfaces. This technology is an optimal, cost-effective alternative to traditional mechanical transport methods like forklifts or cranes.

Technical Specifications

Load Capacity Range

1 ton

Minimum Capacity

50 ton

Maximum Capacity

Movement Capabilities

Omnidirectional, Horizontal, Near-Frictionless, Precise Positioning

Operational Benefits

Operational Advantages

- Floor protection due to low friction
- Increased productivity and time efficiency
- Safe and economical transport
- Uniform weight distribution
- Smooth operation on varied surfaces

Common Applications

Manufacturing • Warehousing • Assembly • Heavy Machinery Transport