

Air Bearing Casters for Heavy Load Movement

These air bearing casters utilize compressed air to create a thin layer of air, which eliminates friction for smooth movement of heavy loads. Designed for use on smooth, non-porous surfaces, the casters are ideal for manufacturing, warehousing, and other industrial applications.



ADDITIONAL IMAGES



Overview

Precision Heavy Load Handling

Air bearing casters provide a sophisticated solution for moving heavy objects with complete freedom of movement and millimeter-level positioning precision. By utilizing compressed air to create a near-frictionless layer between the load and the floor, these casters minimize floor pressure and prevent marking. This system is designed for safe, economical, and effortless maneuverability in demanding industrial environments.

Performance & Features

Movement Capability	Omnidirectional, Near-frictionless, High Precision
Floor Protection	Yes

Technical Specifications

System Components

- Air bearing modules
- Air hoses
- Control panel with pressure gauges
- Control valves
- Connection fittings

Construction

- Robust metal frame
- Flexible air bladder

Operational Details

Common Applications

Manufacturing • Warehousing • Assembly Lines

Suitable Surfaces

Smooth concrete, Epoxy flooring, Non-porous surfaces