

Air Bearing Casters for Heavy Load Transport

Air bearing casters utilize a thin layer of air to float loads, reducing friction and enabling smooth movement. The system includes air bearings, hoses, and a control unit, with a modular design customizable for various load sizes.



Product Overview

Precision Heavy Load Transport

Air bearing casters utilize a thin layer of compressed air to float heavy loads, significantly reducing friction for smooth, precise movement. By creating an airtight seal with the ground via a torus-shaped airbag, the system lifts the load, making it an ideal solution for handling sensitive materials and heavy equipment within the workplace. This technology is particularly suited for environments requiring minimal vibration and high maneuverability.

Technical Specifications

System Components

- Air bearings
- Air hoses
- Control unit

Operating Principle	Air flotation via torus-shaped airbag
---------------------	---------------------------------------

Manufacturing Experience	20 years
--------------------------	----------

Performance Metrics

Load Handling

5 types

Available Variants

Application & Features

Key Benefits

Reduced Friction • Minimal Vibration • High Precision • Modular Design

Ideal Environments	Cleanroom, Heavy Industry, Sensitive Equipment Handling
--------------------	---