

Air Bearing Casters for Heavy Load Movement

Air bearing casters utilize compressed air to float heavy loads on a thin film, enabling omnidirectional movement with minimal friction. They are designed to protect floors and ensure stability during lifting and moving operations.



ADDITIONAL IMAGES



Product Overview

Heavy-Duty Air Bearing System

Air bearing casters, or air skates, provide a specialized solution for transporting heavy loads where traditional cranes cannot gain access. By utilizing compressed air to create a thin, frictionless film between the load and the floor, these systems ensure smooth, omnidirectional movement. This technology is ideal for clean rooms and delicate environments, as it eliminates floor marks, prevents surface damage, and allows for precise positioning of heavy machinery.

Key Features & Benefits

Common Applications

- Manufacturing facilities
- Clean rooms
- Heavy machinery installation
- Warehouse operations
- Moving delicate equipment

Operational Advantages

Floor Protection, Low Friction, Clean Room Compatible, Omnidirectional Movement, No Pollution, Heavy Duty

Technical Specifications

System Components

- Air bearings (inflatable cushions)
- Rigid frame/platform
- Control unit
- Compressed air hoses

Compatible Surfaces

Concrete • Tile • Carpet • Smooth Surfaces