

Air Bearing Casters for Heavy Load Movement

Air bearing casters facilitate the movement of heavy loads with minimal friction. These casters use a thin layer of air to float equipment, enabling omnidirectional movement.



ADDITIONAL IMAGES



Product Overview

Precision Load Movement

Air bearing casters utilize a thin film of compressed air to lift and float heavy loads, effectively eliminating friction during transport. This system allows for omnidirectional movement, making the relocation of heavy machinery and sensitive equipment highly flexible and precise. By distributing weight evenly across multiple air skates, the system ensures safe and stable handling in industrial environments.

System Components

Included Components

- Air bearings (circular or square)
- Air control unit
- Distribution hoses
- Power input interface

Operational Features

Primary Applications

Heavy Machinery • Industrial Equipment • Precision Relocation

Movement Capability

Omnidirectional, Friction-free, Floating

System Architecture

System Layout

Component	Function
Control Unit	Regulates airflow to each bearing
Air Skates	Distributes air for floating load
Hoses	Connects control unit to bearings