

Air Bearing Casters for Smooth Surfaces

Modular air casters require a smooth floor surface, free of cracks and imperfections. These casters utilize a thin film of air to float heavy loads.



Product Overview

Precision Load Movement

Air bearing casters utilize a thin film of compressed air to float heavy loads, enabling nearly frictionless movement across smooth, non-porous surfaces. These systems are ideal for applications requiring precise positioning and minimal vibration, such as moving sensitive equipment in cleanrooms or manufacturing facilities. By distributing weight evenly, they provide a stable and easily maneuverable platform for loads ranging from several hundred pounds to hundreds of tons.

Operational Requirements

Maintenance Tips

- Ensure floor is completely flat and non-porous
- Remove any water or moisture from the surface
- Fill any cracks in the flooring
- Apply tape over repaired cracks for a seamless surface

Surface Requirements

Flat, Non-porous, Dry, Crack-free

Technical Specifications

Movement Type

Omnidirectional • Frictionless • Low-vibration

Manufacturing Experience

20 Years

Years of Experience

Diaphragm Material

Smooth textured and completely homogeneous material