

Air Bearing Casters for Cleanroom Use

Air bearing casters use compressed air to create a thin air layer, allowing smooth movement of heavy loads. Designed for cleanrooms and delicate floors, they prevent damage and ensure precise positioning.



ADDITIONAL IMAGES



Product Overview

Cleanroom Air Bearing System

These air bearing casters provide a pneumatic solution for moving heavy loads with minimal friction, eliminating the need for electrical power. By utilizing compressed air to create a thin air film, they allow for smooth, effortless, and precise positioning of heavy equipment. Designed specifically for cleanroom environments and delicate flooring, this system prevents surface damage and contamination while ensuring spark-free operation in hazardous areas.

Operational Features

Power Source	Compressed Air
Safety & Environment	Spark-free, Cleanroom Compatible, Non-Electric
Expected Lifespan	10 years

System Components

Included Components

- Air bearings
- Distribution hoses
- Control unit
- Air skates

System Architecture

Component	Function
Air Skate	Housing for air bladder to support load
Control Unit	Regulates air pressure for controlled movement
Distribution Lines	Delivers air and power from central source