

Air Bearing Casters for Cleanroom Machinery

Air bearing casters are designed for moving heavy loads with precision in sensitive environments. They use a thin layer of compressed air to float the load, reducing friction and enabling smooth movement.



Product Overview

Precision Air Bearing Technology

These air bearing casters utilize compressed air to create a frictionless film, allowing for the smooth and safe transport of heavy-duty loads. Designed without electrical components, they eliminate fire risks and sparks, making them ideal for sensitive cleanroom environments. The system ensures vibration-free movement, protecting precise instruments while offering omnidirectional maneuverability.

Key Features

Safety & Operational Benefits

Non-electric, Fire-safe, Spark-free, Vibration-free, Omnidirectional

Performance Metrics

Standard Load Capacities

10 T Capacity	16 T Capacity	20 T Capacity	32 T Capacity	48 T Capacity	60 T Capacity
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Customization Range

10 tons to 1000 tons

Technical Specifications

Included Components

- Air bearings
- Hoses
- Control unit (with pressure gauges, valves, and filters)

Material Composition

- Aluminum
- Stainless steel