

Pneumatic Air Bearing Casters

Air bearing casters are pneumatic lifting devices that use compressed air to create a thin layer of air between the load and the floor, allowing for nearly frictionless movement. These casters offer omnidirectional movement, precise positioning, and floor protection.



ADDITIONAL IMAGES



Overview

Pneumatic Air Bearing Casters

These pneumatic air bearing casters utilize compressed air to create a thin air film, enabling the frictionless movement of heavy loads. Designed for safety and efficiency, the system operates without sparks or environmental pollution, making it suitable for delicate environments. The solution provides omnidirectional movement and precise positioning, significantly reducing labor strength during transport.

Technical Specifications

Capacity Range

10 T

Minimum Capacity

100 T

Maximum Capacity

Standard System Components

- Air modules (4 or 6 units)
- Air control console
- Vice air tubes
- Main air tube

Power Source

Compressed air

Environmental Impact

Spark-free, Pollution-free

Applications

Primary Industries

Manufacturing • Aerospace • Construction • Cleanroom Environments

Key Operational Benefits

- Omnidirectional movement
- Precise positioning
- Low profile design
- Ease of installation
- Minimal maintenance
- Vibration-free transport