

Air Bearing Casters for Heavy Load Movement

Air bearing casters are pneumatic components designed for moving heavy loads with minimal effort. They utilize a thin layer of air to float the load, reducing friction and allowing for smooth and precise movement.



ADDITIONAL IMAGES



Product Overview

Heavy Load Handling Solution

Air bearing casters, also known as air caster load modules or heavy-duty air skates, provide a flexible and efficient method for moving heavy machinery and equipment. By utilizing a thin film of compressed air to float the load, these systems significantly reduce friction, allowing for smooth, omnidirectional movement. This technology is ideal for applications where maneuverability, precise positioning, and floor protection are critical requirements.

System Components

Included Components

- Controller unit
- Support blocks
- Air bags
- Pneumatic hoses

Operational Characteristics

Suitable Environments

Manufacturing Facilities • Cleanrooms • Warehouses • Precision Assembly Areas

Key Advantages

Minimal Friction, Omnidirectional Movement, Floor Stress Reduction, Cleanroom Compatible, Zero Waste Gas