

Air Bearing Casters for Heavy Load Movement

Air bearing casters facilitate the movement of heavy loads using compressed air. The system includes air bearing pads, air hoses, and a control box for precise control and even weight distribution.



ADDITIONAL IMAGES



Product Overview

Industrial Air Bearing Lifting Solutions

These pneumatic lifting devices are designed to move extremely heavy loads on flat, non-porous surfaces by creating a thin, near-frictionless air film. Similar to hovercraft technology, these casters allow for omni-directional movement with minimal effort and high precision. The system utilizes wear-resistant urethane diaphragm airbags to ensure durability and reliable load flotation in industrial environments.

Technical Specifications

Available Load Capacities

- 10 Tons
- 16 Tons
- 20 Tons

Power Source

Compressed Air

Diaphragm Material

Wear-resistant urethane

Operational Features

System Components

Component	Function
Air Bearing Modules	Lifts and floats the load
Control Box	Regulates pressure to modules
Air Hoses	Distributes air supply
Pressure Gauges	Monitors system stability

Performance Features

Friction-free, Omni-directional, Low effort, Precision positioning