

Air Bearing Movers for Heavy Load Handling

Air bearing movers are designed for moving heavy loads with minimal effort by using compressed air to create a thin layer between the load and the floor. The system includes air bearings, a control unit for pressure adjustment, and connecting hoses for a reliable air supply.



ADDITIONAL IMAGES



Overview

Industrial Air Bearing Movers

Air bearing movers, also known as air casters or air film transporters, provide a safe and ergonomic solution for moving heavy loads. By utilizing a controlled leak of compressed air, these systems create a thin film between the floor and the air cushions, effectively floating the object. This technology eliminates friction, allowing for precise, omnidirectional positioning of heavy machinery and bulky equipment with minimal effort.

Technical Specifications

Load Capacity

1 MT

Minimum Capacity

100 MT+

Maximum Capacity

System Components

- Pneumatic air bearing elements (4 or 6 units)
- Control unit with valves and pressure gauges
- Connecting hoses
- Flexible membrane air cushions

Operating Principle

Compressed air creates a thin film of air between the floor surface and the air cushions, allowing loads to float with minimal friction.

Features

Key Benefits

Safe Handling • Ergonomic Design • Omnidirectional Movement • Low Profile • High Precision

Common Applications

Heavy Machinery, Industrial Equipment, Large Objects, Rigging Systems