

Air Casters Pneumatic Lifting Devices

Air casters are pneumatic lifting devices that use a thin layer of air to float heavy loads, enabling movement with minimal effort. They consist of a flexible diaphragm inflated with compressed air, creating an air cushion that supports the load.



Overview

Pneumatic Lifting and Transport Solutions

Air casters are advanced pneumatic lifting devices designed to float heavy loads on a thin layer of air, allowing for effortless movement in industrial environments. By utilizing a flexible, inflatable diaphragm system, these devices create a frictionless cushion that protects both the load and the floor surface. They are an essential tool for manufacturing and warehousing applications where precision and ease of movement are critical for heavy equipment handling.

Technical Specifications

System Components

- Air bearing modules
- Flexible air hoses
- Control unit with pressure gauges
- Precision control valves

Safety Features

Over-pressure protection, Load stability control

Performance Metrics

Operational Performance

1 Minimal

Friction Level

100 %

Surface Protection