Modular Air Casters for Heavy Load Transport

Air casters are used in transport systems, also known as air rigging systems and air load carriers. They utilize compressed air to create a thin layer of air between the caster and the floor, enabling near-frictionless movement.

Overview

Modular Air Caster Systems

Modular air casters provide a frictionless transport solution for heavy loads, utilizing compressed air to create a thin film between the load and the floor. This technology allows for the precise, low-force movement of heavy equipment, making it an ideal handling solution for aviation, railway, nuclear, and theatrical industries. With an extremely low construction height and minimal maintenance requirements, these systems offer a durable, long-term solution for industrial material handling.

Technical Specifications

Power Source	Compressed Air
Maintenance Requirements	Minimal to none
Expected Lifespan	10+ years

Applications & Use Cases

Common Industry Names

Air Rigging Systems • Air Load Carriers • Air Movers • Air Skates • Air Bearing Kits

Suitable Industries	Aviation, Aerospace, Railways, Nuclear Energy, Theatre Production

Key Advantages

Performance Highlights

10 Years
Typical Lifespan

Operational Benefits

- Friction-free transport
- Extremely low construction height
- Low maintenance costs
- High load capacity
- Precise positioning control
- Minimal floor damage