

Air Caster Skids for Heavy Load Movement

Air caster skids are engineered to move heavy loads with accuracy. These skids employ compressed air to generate a thin air film between the load and the floor, enabling almost frictionless motion.



Product Overview

Heavy-Duty Air Caster Systems

Air caster skids are the optimal solution for moving heavy-duty objects in a safe and ergonomic way. By utilizing pneumatic elements placed under the load, these modules create a thin film of air via a controlled air leak, allowing for near-frictionless, omnidirectional transport. This system enables the movement of massive loads with relatively low force, making it ideal for environments where traditional equipment like forklifts is unsuitable.

Technical Capabilities

Load Capacity Range

1 ton

Minimum Capacity

50 ton

Maximum Capacity (Standard)

Movement Capability

Omnidirectional, Friction-free, Low-force

Operational Details

Key Components

- Flexible membrane air movers
- Central control unit for airflow regulation
- High-pressure air hoses
- Non-slip load surface

Operating Principle

Compressed air creates a thin film of air between the floor surface and the air movers.

Customization

Yes