

Air Caster Load Moving System

Air caster systems utilize a thin film of air to float heavy loads, enabling omnidirectional movement with minimal effort. These systems are designed for moving and handling tools applied to moving heavy-duty loads or objects, maintaining extremely low friction for safety.



ADDITIONAL IMAGES



Overview

Precision Heavy Load Handling

This air caster load moving system utilizes advanced air bearing technology to float heavy loads on a thin film of compressed air, ensuring extremely low friction and effortless movement. Designed for industrial environments, the system allows for omnidirectional maneuvering and millimeter-precise positioning of heavy machinery. It operates with minimal floor pressure, protecting delicate surfaces while maintaining high safety standards for heavy-duty applications.

Performance

Friction Level

Extremely Low Friction

Load Capacity Range

1 ton to over 50 tons

Movement Precision

Millimeter-level accuracy

Operational Features

Operational Requirements

- Easy to operate
- No specialized training required
- Can be operated by a single worker
- Complete freedom of movement

Floor Protection

Low floor pressure, Non-marking, Low profile

System Components

Available System Configurations

20 tons

Air Skates Capacity

32 tons

Air Rigging Systems Capacity

48 tons

Air Caster Systems Capacity