

# Air Bearing Load Moving System

Air casters employ flowing gas to produce a film of air, enabling lifting and handling. The air bearing system allows for smooth, omni-directional movement of heavy loads by eliminating friction.



## Overview

### Air Bearing Load Moving System

This advanced load moving system utilizes compressed air technology to create a frictionless film, allowing for the smooth and precise transport of heavy machinery and industrial equipment. By feeding air into specialized modules, it lifts loads off the ground, enabling omni-directional movement across smooth surfaces like concrete or epoxy floors. Designed with durable, elastic air bladders, the system ensures stable weight distribution and safe, environmentally friendly operation in manufacturing and warehouse environments.

## Technical Specifications

### Core Components

- Air bearing modules
- Link module
- Main engine
- Windpipe
- Integrated barometer

### Operating Principle

Compressed air film lift

### Compatible Surfaces

Concrete, Epoxy Floors, Smooth, Non-porous

## Performance Features

### Key Benefits

Frictionless movement • Environmentally friendly • Omni-directional • High durability

### Compliance

Complies with relevant international testing standards