Air Bearing Load Moving System

Air bearing load moving systems move heavy loads with ease and precision. Compressed air creates a thin layer between the load and the floor, allowing near-frictionless movement.

ADDITIONAL IMAGES

System Overview

Precision Load Moving Technology

This pneumatic lifting device is designed for moving heavy loads on flat, non-porous surfaces by creating a thin layer of air, similar to a hovercraft. The system operates with near-frictionless movement, allowing for precise positioning and easy maneuverability in any direction. It serves as a safe, efficient, and cost-effective alternative to traditional heavy lifting methods like forklifts and cranes.

Operational Features	Omni-directional, Friction-free, Pneumatic, Heavy-duty

Technical Specifications

System Components

- Air bearings (pads)
- Control unit
- Air hoses
- Compressed air supply connection

Power Source	Compressed Air
Material Composition	Wear-resistant urethane diaphragm
Surface Requirements	Smooth, non-porous surfaces

Applications

Ideal Applications

- Manufacturing plants
- Warehouses
- Heavy machinery transport
- Assembly environments