

Pneumatic Air Casters for Heavy Load Movement

Pneumatic air casters use compressed air to float heavy loads on a thin film of air. This allows easy, omnidirectional movement with minimal friction.



ADDITIONAL IMAGES



Overview

Pneumatic Air Casters

These pneumatic air casters, often referred to as air cushions, are designed for the efficient movement of heavy loads ranging from a few hundred pounds to over 150 tons. By creating a thin, near-frictionless layer of air between the load and the floor, they allow for easy omnidirectional movement with minimal effort. Constructed with durable, wear-resistant urethane diaphragms, these systems are ideal for manufacturing, aerospace, and cleanroom environments where precise equipment positioning is critical.

Performance Specifications

Available System Configurations

10 tons

Standard Capacity

16 tons

Standard Capacity

20 tons

Standard Capacity

Load Capacity Range

Few hundred lbs to 150+ tons

Design & Construction

Modular Capabilities

- 4-module configurations
- 6-module configurations
- Field-adjustable (add/remove modules)
- Minimum 3 modules required for safety

Diaphragm Material

Wear-resistant urethane

Operational Features

Key Operational Benefits

Low air consumption, Enhanced floor surface operation, Extended wear life, Reduced plant maintenance cost, Omnidirectional movement