

Pneumatic Air Casters for Heavy Load Movement

Air film transporters protect epoxy resin and other delicate floors, preventing marks. They are perfectly suited for cleanroom environments.



Product Overview

Pneumatic Air Caster Technology

Pneumatic air casters, also known as air bearings, utilize a thin layer of compressed air to float heavy loads, enabling smooth and omnidirectional movement. By creating a near-frictionless interface, these devices distribute weight evenly to protect floors from damage and ensure sensitive equipment is shielded from shock. They are perfectly suited for cleanroom environments and manufacturing plants where precision and ease of movement are essential.

Operational Features

Key Benefits

- Omnidirectional movement for heavy or odd-shaped loads
- Near-frictionless operation via regulated air flow
- Floor protection (prevents marking on epoxy resin)
- Shock-free movement for sensitive equipment
- Suitable for cleanroom environments

Service Life

10+ years

Surface Compatibility

Smooth surface, Non-porous surface, Epoxy resin floors

Technical Specifications

Operating Principle

Flexible, airtight diaphragm inflation