

Pneumatic Air Casters for Heavy Load Movement

Pneumatic air casters utilize compressed air to create a thin air layer between the load and the floor, enabling near-frictionless movement. These casters are used in industries like manufacturing and warehousing for easy and precise movement of heavy items.



Product Overview

Precision Heavy Load Movement

Pneumatic air casters are specialized lifting devices designed for the smooth, near-frictionless transport of heavy or disproportionately shaped loads. By creating a thin cushion of air between the load and the floor, these systems allow for precise positioning while minimizing floor loading to prevent surface damage. Originally developed for demanding theater applications, they are now an essential solution for industrial manufacturing and warehousing environments.

Technical Specifications

Typical Applications

- Theater stage sets
- Theater seating movement
- Industrial heavy equipment transport
- Warehousing load handling

Surface Compatibility

Concrete • Asphalt • Tile

Available Load Capacities

32 Tons, 48 Tons, Customizable

Performance Metrics

Movement Characteristics

1 Near-zero

Friction Level