

# Air Casters for Heavy Load Movement

Air casters utilize a thin layer of air to float heavy loads, enabling smooth and precise movement. Designed for use on smooth, non-porous surfaces, they are suitable for moving heavy machinery, equipment, and other large objects.



## Product Overview

### Advanced Pneumatic Lifting Technology

Air casters are specialized pneumatic lifting devices designed to move heavy objects across flat surfaces by creating a thin, frictionless layer of air. This system allows for omnidirectional movement with minimal physical force, significantly reducing the need for heavy machinery like cranes or forklifts. By distributing weight evenly, these casters minimize floor stress and provide a safe, efficient solution for transporting large equipment in environments such as hospitals, manufacturing plants, and cleanrooms.

## Operational Features

Movement Type	Omnidirectional
Ease of Operation	Yes
Surface Requirements	Flat, Smooth, Non-porous

## Applications

### Primary Use Cases

- Hospital medical equipment transport
- Manufacturing plant machinery relocation
- Warehouse logistics
- Cleanroom equipment movement

## Benefits

### Key Advantages

Low Friction • Floor Stress Reduction • Cost-Effective • Minimal Labor Required