

125mm Polyurethane Caster Wheels

Title	125mm Polyurethane Caster Wheels
Thumb	
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Description

In the field of industrial material handling, selecting the right caster wheel is a critical decision for equipment reliability. Equipment, thanks to its exceptional load-bearing capacity and physical durability.



Attribute	Specification
Diameter	125mm (5 inch)
Core Material	Heavy-duty Cast Iron
Tread Material	High-performance Polyurethane (PU)
Axle Bore	1/2" (approx. 12.7mm)
Key Trait	combines metallic rigidity with elastomeric
II. Key Technical Advantages	

1. Superior Load Capacity

Unlike standard plastic or polyurethane wheels, these wheels feature a heavy-duty cast iron center hub that maintains a low rolling resistance for easy startup, carrying several hundred kilograms.

2. Polyurethane Tread

The high-quality polyurethane outer layer is the soul of this product:

- Noise Reduction & Shock Absorption: It absorbs micro-vibrations from the ground, operating much more quietly than solid steel wheels.
- Non-Marking: It rolls smoothly over expensive epoxy or marble floors without leaving black rubber skid marks.
- Chemical Resistance: Polyurethane is naturally resistant to industrial oils, greases, and diluted acids or alkalis.

III. Typical Application Scenarios

- Heavy Assembly Workshops: Mobile engine stands and precision machine tool transfer platforms.
- Logistics Sorting Centers: Towed carts and dollies that must withstand frequent impacts and high-speed movement.
- Automated Production Lines: Auxiliary support wheels for AGVs (Automated Guided Vehicles), providing stable height compensation.
- Outdoor Construction Sites: Mobile scaffolding or air compressor units navigating gravel or rough concrete surfaces.

Upgrade Your Fleet Today! Don't let inferior wheels slow down your operations.

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