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## 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 that impacts operational efficiency, workplace safety, and floor maintenance costs. The 125mm Polyurethane-on-Cast Iron Wheel stands out as a premier solution for medium-to-heavy duty logistics 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 flexibility

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## II. Key Technical Advantages

### 1. Superior Load Capacity

Unlike standard plastic or nylon cores, the wheel features a heavy-duty cast iron center. This construction ensures the wheel remains perfectly circular even under prolonged static loads, preventing flat-spotting or deformation. Even when carrying several hundred kilograms, it maintains a low rolling resistance for easy startup.

### 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. Experience the perfect blend of strength and floor protection. [\[Get a Bulk Quote Now\]](#)

