

Industrial 200mm (8-inch) Polyurethane Wheels

Title	Industrial 200mm (8-inch) Polyurethane Wheels
Thumb	 A photograph of three industrial wheels on a metal frame. The wheels are 200mm in diameter and have yellow polyurethane treads. Labels indicate: '200mm (8-inch) Diameter', 'PU Tread Thickness: on Cast 10-12mm', 'PU Tread Thickness: 10-12mm Aluminum Core Core', and 'Dynamic Load: 440-250mm: 200-120kg'.
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Description

Industrial 200mm (8-inch) Polyurethane (PU) wheels are designed for industrial applications, providing a balance between cost and performance.

I. Core Specifications

200mm industrial duty. They are specifically designed for stable movement under high loads.

Surprise: Clearances for cables, and minor obstacles, significantly reducing cargo

Load Capacity Ranges:

Standard Type: Dynamic load capacity of 400 - 600kg per wheel.

Reinforced Type (Cast Iron Core): Can exceed 800 - 1.200kg per wheel.

Install sufficient: Total mounting height, selecting your holes between 240mm and 250mm.

II. Why Choose Polyurethane?

Performance and Durability: Polyurethane offers an incomparable price-to-performance ratio compared to rubber. Polyurethane combines the hardness of plastics with the elasticity of rubber, making it ideal for heavy-duty applications. It is highly resistant to abrasion, chemicals, and temperature fluctuations, ensuring long-term reliability. The low friction coefficient of polyurethane reduces noise and vibration, leading to smoother operations and lower energy consumption. Additionally, its high load-bearing capacity allows for more efficient weight distribution, resulting in lower maintenance costs and longer equipment life.

III. Typical Application Scenarios

If your operations fall into the following industries, the 200mm specification is usually the best choice:

- Heavy Machinery Manufacturing:** Mobile bases for large welding platforms and assembly lines.
- Automotive Assemblies:** Logistics: Heavy-duty dollies for transporting engine or transmission assemblies.
- Automotive Warehouses (AGV Tracking):** Acting as driven or load-bearing wheels for heavy-duty pallet trucks and automated guided vehicles (AGVs).
- Generator Sets:** Public Utilities: Mobile scaffolding and support systems for large-scale power generation equipment.

IV. Procurement Guide: How to Identify High-Quality Wheels?

These three critical points: price shouldn't be the only factor. End-users should focus on Core Material:

Nylon/Plastic Core: Lightweight; ideal for humid/wet environments.

Steel/Steel Core: High creep resistance; best for heavy equipment that remains

Aluminum Core: A balance of lightweight and high strength; excellent heat dissipation for

Precision Configuration: Ensure wheels are equipped with precision double ball bearings.

Brace Thickness: High-quality resin wheels typically feature a **BD** layer of 10 mm or

V. Bulk Customization & Services

We understand the rigorous demands for stability and consistency in enterprise-level

Versatile Configurations: Fixed, Swivel, Total Brake, and Side Brake options available.

Specialized Customization: Anti-static, high-temperature resistant, or chemical-resistant

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