

# Industrial 200mm (8-inch) Polyurethane Wheels

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| Title   | Industrial 200mm (8-inch) Polyurethane Wheels                                      |
| Thumb   |  |
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## Description

Introduce to industrial applications, 200mm (8-inch) polyurethane (PU) wheels are a popular choice for various applications to help you master the procedure of 8-inch polyurethane wheels.

### I. Core Specifications

A 200mm wheel diameter represents the dividing line between medium-heavy and extra-heavy industrial duty. They are specifically designed for stable movement under high loads.

Surprise Obstacle Clearance: Comes with 4-inch or 6-inch, significantly reducing cargo jostling.

#### 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.

Ensure Sufficient Clearance: Total clearance height typically ranges between 240mm and 250mm.

### II. Why Choose Polyurethane?

performance and wear compared to rubber polyurethane offers an incomparable price-to-value ratio. For example, in applications like floor protection (mark marking), PU combines the hardness of elastomers with the elasticity of rubber. PU is also used for rollers, wheels, and under heavy loads, the elasticity of PU allows it to absorb shocks and vibrations, reducing wear and tear on the equipment. This makes PU an ideal choice for applications requiring high durability and resistance to impact.

**Noise Reduction:** PU's ability to absorb vibrations and shocks makes it an excellent choice for noise reduction in industrial settings. By absorbing the impact of heavy machinery and equipment, PU components help to reduce the overall noise level in the factory, creating a safer and more comfortable working environment.

**Long-Term Maintenance Costs:** The long lifespan of PU components translates to lower replacement costs and reduced downtime. By investing in high-quality PU products, manufacturers can significantly reduce their long-term maintenance costs and ensure continuous production.

### III. Typical Application Scenarios

For most applications, fall into the following industries, the 200mm specification is usually the optimal choice:

- Heavy Machinery Manufacturing:** Mobile bases for large welding platforms and assembly lines.
- Automotive:** Logistics: Heavy-duty dollies for transporting engine or transmission assemblies.
- Automated Warehousing (AGV/AMR):** Acting as driven or load-bearing wheels for heavy-duty robots to ensure stable tracking.
- Generators & Public Utilities:** Mobile scaffolding and support systems for large equipment.

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

When purchasing in bulk, price shouldn't be the only factor. End-users should focus on these three critical points:

**Core Material:**

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

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

**Aluminum Core:** A balance of lightweight and high strength; excellent heat dissipation for continuous high-speed movement.

**Physical Strain on Workers:** Engage in tasks requiring resistance with preloaded, double bearings.

Tread Thickness: High quality results in poor track life feature a Rd length of 10 km or

## V. Bulk Customization & Services

We understand the rigorous demands for stability and consistency in enterprise-level procurement. For our 200+ independent wheels, we offer

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

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

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