
Heavy-Duty Polyurethane-Coated Wheels

Title	Heavy-Duty Polyurethane-Coated Wheels
Thumb	
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Description

Heavy-duty polyurethane-coated wheels are chemically coated with polyurethane on heavy iron core, aluminum core or copper core wheel hubs. The polyurethane tread is chemically inert, non-sparking, non-conductive, resistant to ozone, grease and most oils and solvents, and will not leave marks on the floor. Not easy to debond. The following is a detailed introduction to the parameters, advantages, and applicable scenarios of heavy-duty polyurethane wheels.

Physical properties of heavy-duty PU-coated wheels

1. Load range: 450 - 15000 kg
2. Composition: advanced liquid cast polyurethane

3. Hardness: 90-95 Shore hardness (Shore A type)


4. Resilience: 29%

5. Elongation at break: 430%

6. Tensile strength: 7000-7400 psi

7. Abrasion resistance: 5-10 times that of ordinary materials

8. Temperature range: -50°C to +200°F (intermittent); 0°C to 180°F (continuous).
Occasional steam cleaning will not damage it.

编号		mm	mm	mm	mm	mm	kg
MC/100/050/2/25 H7		100	50	50	—	25	450
CZ/125/060/2/15 H7		125	60	67	60	15	680
CZ/150/060/2/15 H7		150	60	67	60	15	1,200
CZ/200/200/2/20 H7		160	188	57	80	10	9,000
CZ/200/200/2/20 H7		160	188	67	80	80	1,200
CZ/200/200/2/20 H7		160	63	50	90	60	1,600
CZ/200/200/2/20 H7		100	66	67	60	60	1,100
CZ/200/080/2/20 H7		160	80	80	60	60	1,460
CZ/250/050/2/25 H7		160	50	50	150	60	1,140
CZ/250/080/2/25 H7		160	80	80	160	25	1,830
CZ/300/080/2/30 H7		300	80	80	180	30	2,200
CZ/300/075/260/2/50 H7		300	75	85	96	50	2,000
CZ/300/100/260/2/60 H7		300	100	110	116	60	2,500
CZ/360/075/310/2/70 H7		360	75	85	116	70	2,500
CZ/360/100/310/2/60 H7		360	100	110	116	60	3,000
CZ/200/200/280/2/80 H7		400	80	110	121	70	3,500
CZ/200/200/280/2/80 H7		400	110	130	116	80	4,000
CZ/200/200/280/2/100 H7		100	100	130	116	80	4,000
CZ/200/200/280/2/80 H7		160	100	160	100	80	1,500
CZ/200/200/280/2/60 H7		160	88	110	80	80	4,500
CZ/200/150/450/2/80 H7		160	150	160	160	80	5,700
CZ/500/200/450/2/80 H7		160	200	210	160	80	8,000
CZ/600/150/550/2/80 H7		600	150	160	160	80	8,250
CZ/600/200/550/2/80 H7		600	200	210	135	80	10,000
CZ/700/200/640/2/80 H7		700	200	210	136	80	15,000

Advantages of high-load urethane-covered wheels

1. Excellent load-bearing capacity
2. Ultra-long service life
3. Shock absorption and noise reduction
4. Ground protection and anti-skid performance
5. Chemical corrosion resistance and environmental adaptability
6. Lightweight and energy-saving
7. Customized design
8. Low maintenance cost



Typical application scenarios of large-tonnage poly-coating wheels

- I. Logistics and warehousing fields

1. Forklift and pallet truck driving wheel support wheel

2. Automated three-dimensional warehouse AGV (automatic guided vehicle) driving wheel universal wheel

3. Three-dimensional warehouse stacker guide wheel travel wheel

II. Manufacturing and industrial scenarios

1. Automobile production line transfer equipment conveyor wheel friction wheel

2. Steel and metal processing platform vehicle load wheel walking wheel

3. Bridge gantry crane and shield machine support wheel bearing wheel

4. Coal mine monorail crane wheel driving wheel limit wheel

III. Special environment and industry

1. Cold chain logistics and cold storage drive wheel driven wheel

2. Anti-static and low flame retardant wheels for clean rooms in food and pharmaceutical factories



Heavy duty polyurethane rubber-coated wheels have become the first choice for industrial applications due to their excellent performance and durability. They not only improve work efficiency, but also reduce maintenance costs and ensure long-term operation of equipment. If you are looking for efficient and reliable wheel solutions, Philson heavy duty polyurethane coated wheels are undoubtedly your best choice.