# Electric Monorail Transport System Wheels

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| Title | Electric Monorail Transport System Wheels |
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## Description

Electric monorail wheels are widely used in coal mines, mineral extraction, and tunneling. They offer flame retardancy, anti-static properties, wear resistance, and high load-bearing capacity, making them an ideal choice for efficient and safe underground transportation.



Core material: Polyurethane overmolding

Made from highly elastic polyurethane (some models are certified mt/t113-1995 for flame retardancy and anti-static properties), they offer three key features:

Wear-resistant and long-lasting: They offer a lifespan 2–3 times longer than rubber wheels and are resistant to abrasion from rock and coal dust.

Tear-resistant: They resist scratches from sharp objects like anchor bolts, preventing debonding or breakage.

High resilience: They adhere tightly to the track, reducing vibration and noise.

Safety protection: Flame retardant and anti-static

Flame retardant: They are non-ignitable and non-combustible, ensuring safety and reliability even in high-temperature environments.

Anti-static: They dissipate static electricity generated by friction, minimizing the risk of

gas and coal dust explosions.

Optimized structure: Adapts to extreme working conditions

Extended wheel: Prevents wire rope deflection and rail gnawing, extending wheel life.

Lightweight design: Quickly installs by one person, suitable for steep slopes and muddy environments.

Performance: Low noise, high load-bearing capacity

Low noise: Operating noise is 30% lower than metal wheels, improving the underground working environment.

High load-bearing capacity: Customizable for electric or diesel monorail cranes to meet the needs of transporting large equipment.

Customization: Multiple specifications available

Common models include 285×100, 300×80, 340×100, 350×100, and 400×100, compatible with locomotive brands such as ferrit, farmul, scharf, beck, euroka, and statief. Customization of hardness, size, and working conditions is supported to ensure the perfect match between the wheel and the equipment.

Philson monorail wheels make underground transportation safer and more efficient!

Free technical consultation, sample trials, and bulk discounts are available. Please contact us for inquiries.