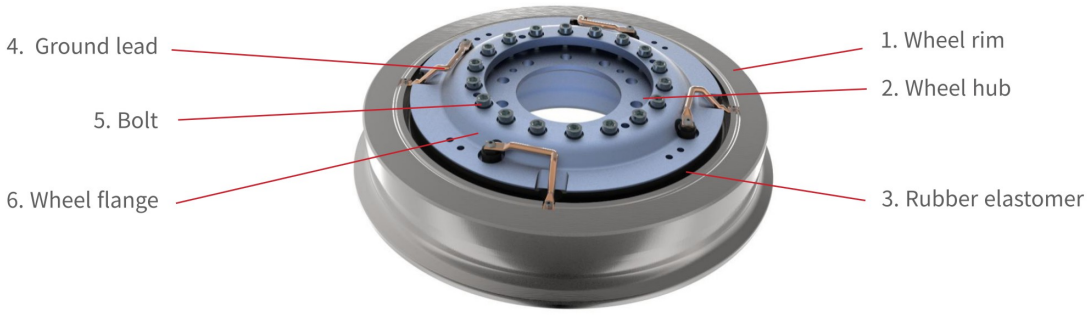
RESILIENT WHEEL

OVERVIEW ►►►

Resilient wheel refers to a kind of Split type wheels, generally composed of wheel rims, wheel hub, and rubber elastomer etc. Compared with traditional steel wheel, it has significantly advantages in reducing vibration and noise, and was widely used in low floor trams and subway vehicles.

STRUCTURE AND THE FUNCTION ►►►



1&2 Wheel hub was connected to the axle.
3. Rubber elastomer provides the deflection capacity and stiffness and connects wheel hub and rim. It can be divided into three type: compression type, shear type and compression shear type.
4. Ground lead connects with clamping ring and wheel rim and transfer the current.
5. Bolt is used to achieve the connection limit and individual fastening function.
6. Clamping ring is used to fix the rubber elastomer through interference fit.

MAIN CHARACTERISTIC ►►►

1.Design life: 6 years , maintenance free.
2.Operating speed: 80km/h max.
3.Ambient temperature range -40°C~ +50°C.

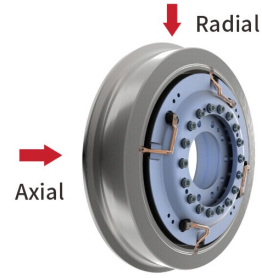
CAPABILITIES ►►►

- Design according to customer' s requirements: load and performance analysis, FEA analysis, structural and formula design;
- Advanced production and manufacturing, quality management, and after-sales service;
- Professional test: dynamic and static performance test, fatigue and creep test, slip torque test, and acoustic vibration test.

RESILIENT WHEEL

TYPICAL RESILIENT WHEEL AND ELASTOMER ►►►

a



b

c

d

PLEASE FILL THE TABLE BELOW FOR ANY ENQUIRE ►►►

Train type	☐Low floor trams; ☐Metro vehicles;				
Max. speed	km/h		Operation area	Country/city	
Wheel load	Ton		Radial stiffness	kN/mm	
Max Torque	N.m		Axial stiffness	kN/mm	
Service life	year				

Product details can be found in website: http://www.zztmt.com/zztmt/

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