

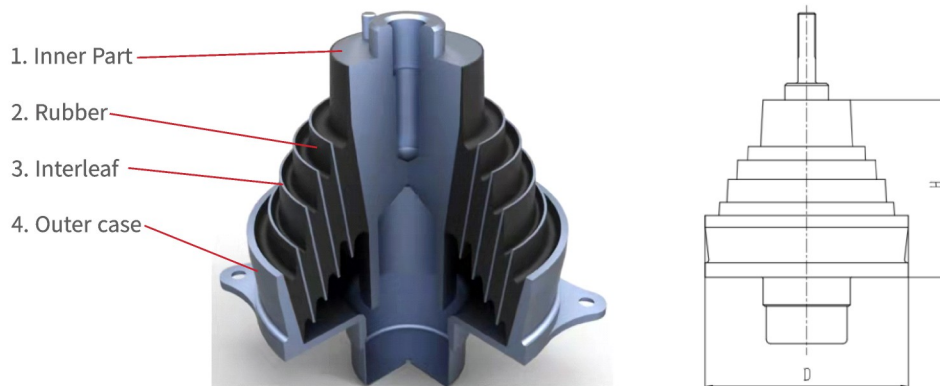


METACONE SPRING

Application of primary suspension for light rail, metro, intercity, high speed, monorail trains etc.

STRUCTURE AND THE FUNCTION ▶▶▶

- ❶ **Inner Part** is to be designed according to different interface dimensions from customer.
- ❷ **Rubber** provides the deflection capacity and stiffness in all degrees of freedom. It also provides a certain level of damping. It acquires good creep and fatigue performance by different rubber formula according to application conditions.
- ❸ **Interleaf** is to consolidate the rubber, and is adjusted according to requirements.
- ❹ **Outer case** is to be designed according to different interface dimensions from customer.



MAIN CHARACTERISTIC ▶▶▶

The vertical characteristic can be progressive. Low stiffness at light loads to prevent derailment and stiff to lower the deflection at heavy loads. The longitudinal and lateral stiffness is optimized for transferring the braking and traction force as well as for the stability and curving for rolling stock.

CAPABILITIES ▶▶▶

- Produce all types of metacone springs;
- Produce products comply with EN45545-2;
- Rapid design and develop new parts according to customer's requirements;
- Products are serviced in 6 continents of the world;
- Products have been used in all kinds of rolling stocks: light rail, metro, intercity, high speed, monorail trains etc.

METACONE SPRING

TYPICAL METACONE SPRING TYPES ▶▶▶



PLEASE FILL THE TABLE BELOW FOR ANY ENQUIRE ▶▶▶

Train type	<input type="checkbox"/> Intercity; <input type="checkbox"/> Regional; <input type="checkbox"/> Suburban; <input type="checkbox"/> Inner city; <input type="checkbox"/> High speed train; <input type="checkbox"/> other				
Max. speed	km/h		Operation area	Country/city	
Axle load	Ton		Tare height (H)	mm	
Tare for one spring	kN		Max. diameter(D)	mm	
Crush for one spring	kN		Lateral stiffnessat tare	kN/mm	
Vertical stiffness at tare	kN/mm		Longitudinal stiffness at tare	kN/mm	

Product details can be found in website:

<http://www.zztmt.com/zztmt/>