

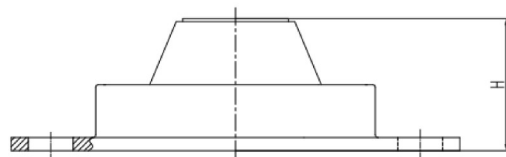
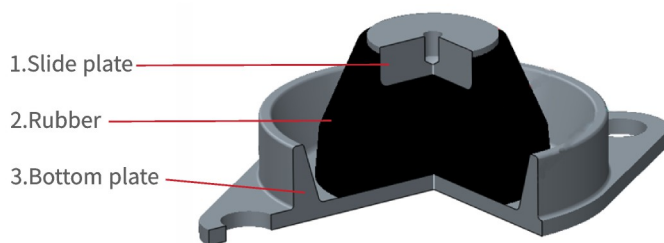


## BUFFER AND BUMP STOP

Application of primary and secondary suspensions for light rail, metro, intercity, high speed, monorail trains etc.

### STRUCTURE AND THE FUNCTION ▶▶▶

- ① **Slide plate** is used for bearing the load and wear resistance when the bump stop is in contact with corresponding parts.
- ② **Rubber** provides the deflection capacity and stiffness in all degrees of freedom. It also provides a certain level of damping. It acquires good fatigue performance by different rubber formula according to application conditions.
- ③ **Bottom plate** is to be designed according to different interface dimensions from customer.



### MAIN CHARACTERISTIC ▶▶▶

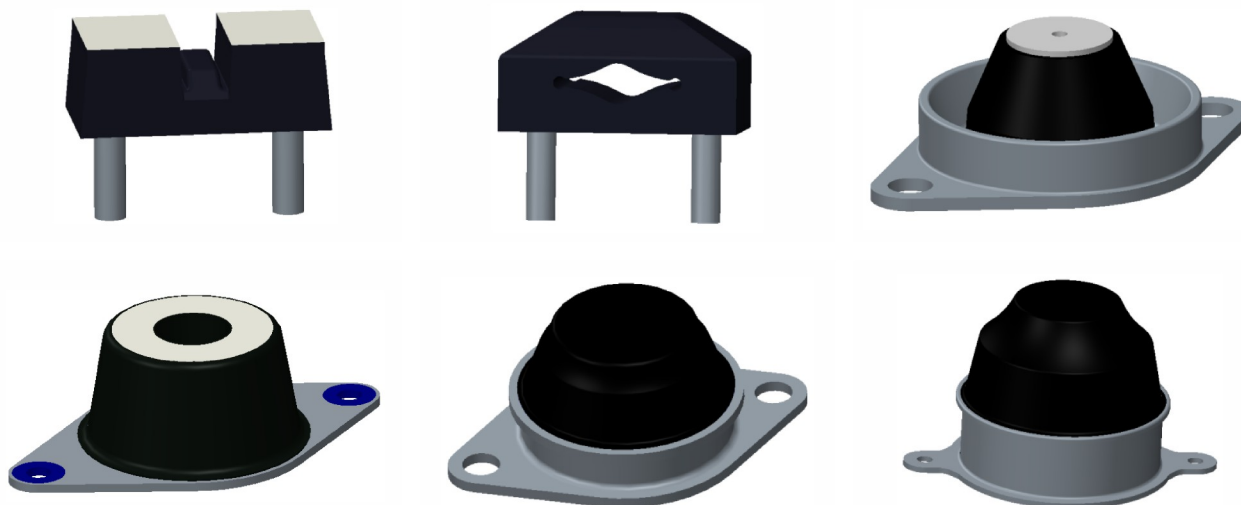
The buffer and bump stop is an elastic part that limits the relative displacements between vehicle mass bodies. It mainly plays the role of buffering and limiting. According to the characteristics, the part is generally divided into two types: buffer and bump stop. Depending on the installation position, there are generally vertical bump stops, lateral bump stops and longitudinal bump stops.

### CAPABILITIES ▶▶▶

- Produce all types of buffers and bump stops;
- 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.

# BUFFER AND BUMP STOP

## TYPICAL BUFFER AND BUMP STOP 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		Installation position	/	
Air gap	mm		Height (H)	mm	
Deflection vs. load characteristic	mm and kN		Hard stop gap	mm	

Product details can be found in website:

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