

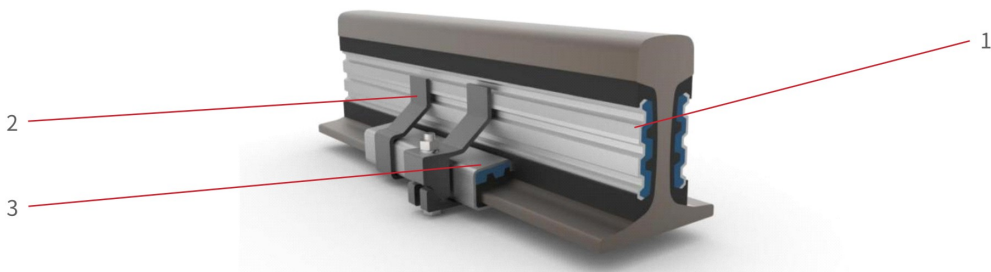


# RAIL DAMPERS

## APPLICATION ▶▶▶

Rail Damper is a noise reduction product that installed on both sides of the rail waist,mainly used in urban rail transit and urban subway.

## CONFIGURATIONS ▶▶▶



1.Noise reduction block	absorb vibrations generated by rail
2.Clamp	limit the lateral movement of the rail web and serve as a fixed rail web
3.Adapting bracket	reduce the vibration due to the rail bending

## CHARACTERISTICS ▶▶▶

- Rail noise reduction effect  $\geq 4\text{dB (A)}$
- Modular assembly
- High reliance clamping mechanism and dual protective effect
- Easy and fast assembly and disassembly

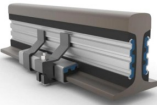

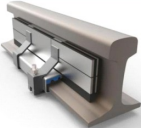
## CAPABILITY&EXPERIENCE ▶▶▶

- Applied to existing lines and new lines
- Applied to  $(-50\text{ }^{\circ}\text{C}\sim+80\text{ }^{\circ}\text{C})$  climate environments
- Have good suppression ability for curve squealing and rolling noise
- Develop new dampers according to customer requirements within 1-3 months
- Production capacity can be adjusted according to customer needs
- Conduct testing capabilities include vibration damping performance testing,acoustic performance testing



# RAIL DAMPERS

## TYPICAL RAIL DAMPER TYPES ▶▶▶

Type	Schematics	Key Feature
A		<b>Rail Damper (type I)</b> Transforming the energy of vibration into the elastic potential energy of the damping constraint layer.
B		<b>Rail Damper (type II)</b> Reduce the vibration and noise through the deformation of the product itself, mainly in the middle and high frequency band.
C		<b>Ultra Wideband Rail Damper</b> Reducing the vibration and noise levels of steel rails at relevant frequencies through the bending performance of cantilever beams and the viscoelastic effect of dampers.

## PLEASE FILL THE TABLE BELOW FOR ANY ENQUIRY ▶▶▶

Mass limit $M$ ( kg/m)	
Noise reduction requirement(dB)	
Height from track bed to rail $H$ (mm) ( $\geq 35$ mm)	
Rail Type	
Speed $V$ (km/h)	
Axle Load $L_{Axle}$ (t)	
Note: Size and performance can be adjusted according to the actual rail line.	

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