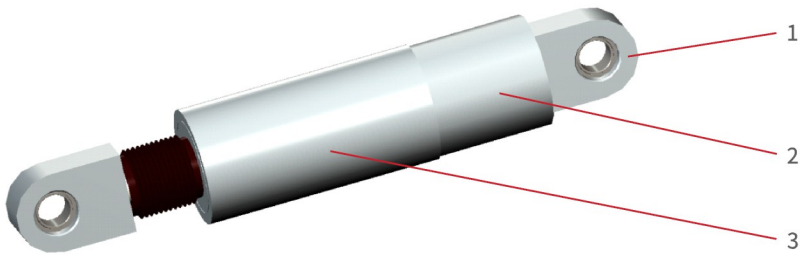
INFRASTRUCTURE VISCOUS DAMPERS

APPLICATIONS ►►►

Apply to infrastructure or instruments that are sensitive to vibration.

CONFIGURATION ►►►



1. Connection ring - Connects the damper to the external structure to transfer the load;
2. Connecting cylinder - Connecting cylinder and connecting ring;
3. Cylinder - The container that holds the viscous medium.

FUNCTIONS ►►►

- Type A-Viscous fluid damper: Absorb and dissipate the vibration energy of infrastructures, reduce the damage of infrastructures caused by natural disasters.

Characteristics:	Maximum velocity ⩾ 1200mm/s	Maximum damping force ⩾ 5000kN
	Damping index α = 0.1-1	Maximum stroke = 50mm-1000mm
	Service life ⩾ 50 years.	

- Type B-Shock transmission unit: The stiffness of shock transmission unit increases rapidly at high speed, and the structure changes from flexible to rigid to achieve the transmission of force.

Characteristics:	Maximum locking force ⩾ 6500kN	Locking velocity = 0.5mm/s-2mm/s
	Maximum locking stroke ⩽ 12mm	Service life ⩾ 50 years;

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CAPABILITY AND EXPERIENCE ►►►

- Annual output of 10,000 units, 60 - day lead time, 3500kN testing machine, global service after-sales;
- Used in 6 continents, comply with EN15129 , ASCE/SEI 7-05, etc;
- Since 2012, Used in different projects such as Aizhai Bridge, Korea's Seoul-Busan high-speed railway, Peru Huancayo Hospital, India Trump Tower project, etc.

INFRASTRUCTURE VISCOUS DAMPER TYPES ►►►

	
Type A	Type B

PLEASE FILL THE TABLE BELOW FOR ANY FURTHER ENQUIRY ►►►

Infrastructure viscous dampers			
Type A		Type B	
Maximum damping force Fmax (kN)		Maximum locking force Fl (kN)	
Maximum velocity vmax (mm/s)		Locking velocity vl (mm/s)	
Maximum stroke s (mm)		Maximum locking stroke sl (mm)	
Damping index α			

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