



Vibration Damper

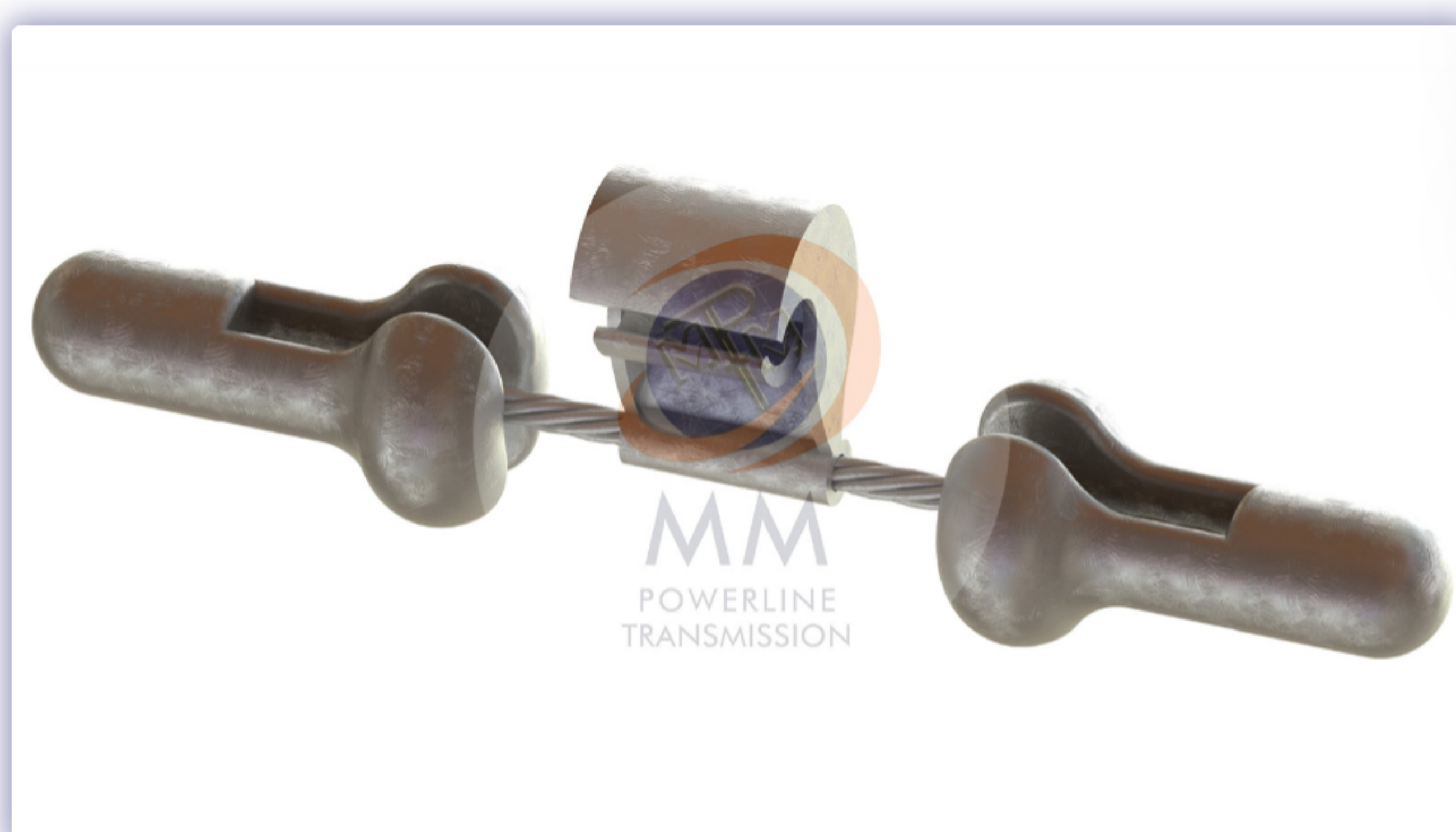
Home » CONDUCTOR ACCESSORIES » Vibration Damper

Vibration Damper

Download Product details

Other Product Quick Link

- Lorem ipsum dolor sit amet,
- Lorem ipsum dolor sit amet,
- Lorem ipsum dolor sit amet,
- Lorem ipsum dolor sit amet,



At MM Powerline Transmission Company, we are dedicated to providing cutting-edge solutions that improve the reliability and efficiency of electrical power transmission systems. Recognizing the crucial role of each component in maintaining system integrity, we offer a range of advanced conductor accessories. Among these, vibration dampers are essential for addressing mechanical vibrations and ensuring the long-term stability of power lines.

A vibration damper is a specialized component designed to control and minimize vibrations in electrical conductors. Constructed from high-quality materials such as elastomers, metals, or composite materials, these dampers are engineered to absorb and dissipate mechanical energy caused by wind, traffic, or other environmental factors. Installing these dampers helps utilities significantly reduce conductor fatigue and enhance the overall stability of power transmission systems.

Primary Functions of Vibration Dampers

- Reduction of Vibration:** Vibration dampers are crafted to minimize oscillations and vibrations in conductors. By absorbing and dissipating these vibrations, they prevent excessive movement that could lead to conductor wear and damage.
- Mitigation of Fatigue:** By managing vibration levels, dampers reduce the fatigue on conductors, which is crucial for preventing premature failure and extending the lifespan of the transmission line.
- Enhanced System Stability:** These dampers improve the stability of power transmission systems by reducing dynamic forces on the conductors, ensuring consistent performance and fewer disruptions.
- Noise Reduction:** Besides controlling vibrations, dampers also help lower the noise generated by oscillating conductors, contributing to a quieter and more efficient power transmission environment.

Applications of Vibration Dampers

Vibration dampers are versatile and apply to several critical areas in power transmission:

- High-Altitude Installations:** In regions with high winds or significant atmospheric turbulence, vibration dampers manage the effects of wind-induced vibrations on conductors.
- Overhead Power Lines:** In overhead line systems, dampers help alleviate vibrations caused by environmental factors such as wind and temperature changes.
- Seismic Zones:** In areas prone to seismic activity, vibration dampers absorb and dissipate the energy from ground movements, reducing the impact on conductors.

Installation and Maintenance

To install vibration dampers, they must be secured onto the conductor at points where vibrations are likely to be most severe. Proper installation is vital to ensure that the dampers effectively manage and control vibrations.

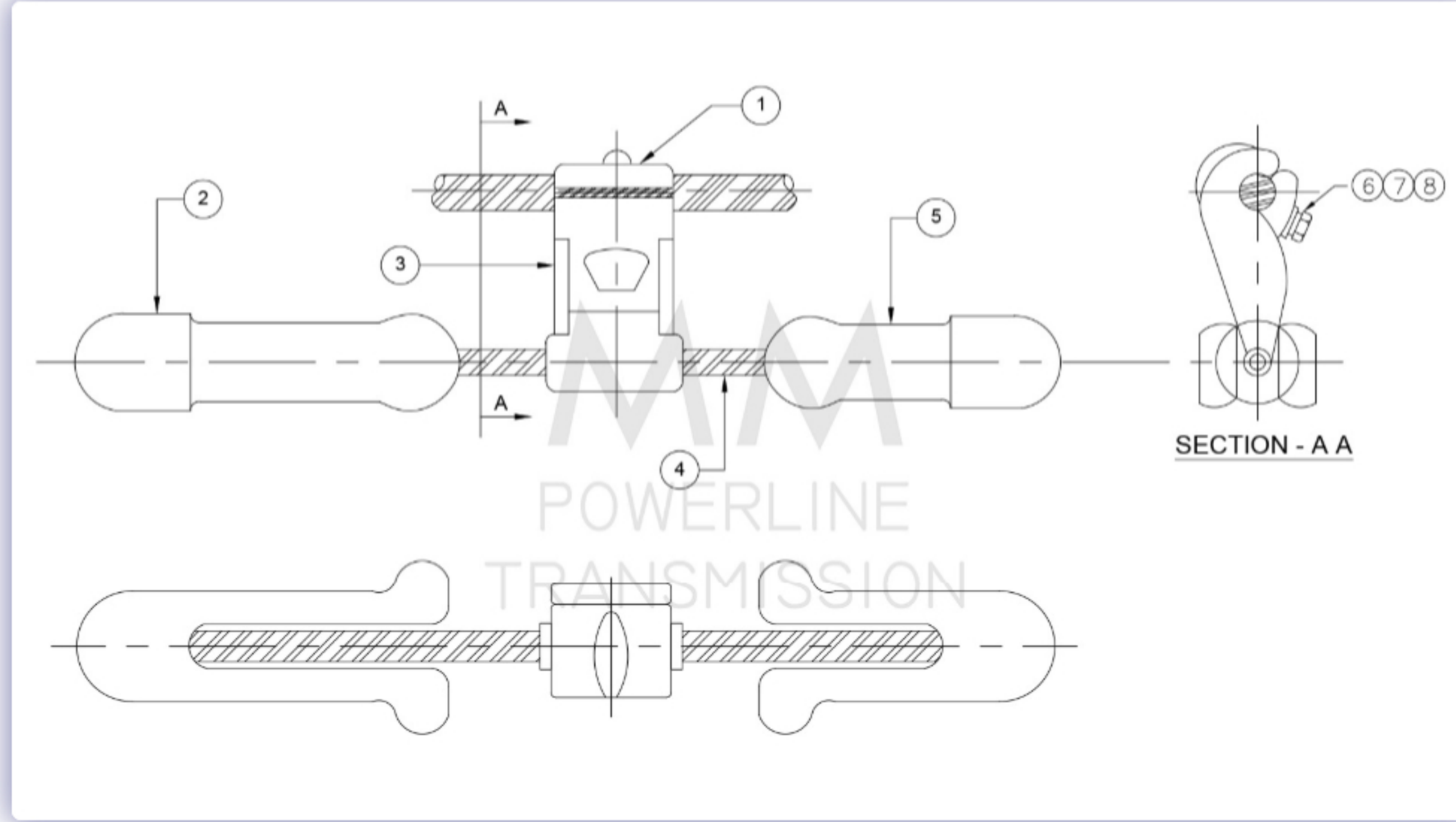
Maintenance involves regularly inspecting vibration dampers to ensure they remain in optimal condition. Due to wear and environmental factors, periodic checks and potential replacements may be necessary to maintain their effectiveness.

Benefits of Vibration Dampers

- Increased Equipment Longevity:** By reducing vibrations and preventing fatigue, vibration dampers extend the lifespan of conductors and associated equipment, decreasing the need for frequent repairs or replacements.
- Improved Reliability:** Vibration dampers enhance the reliability of power transmission systems by minimizing the risk of conductor damage and system interruptions.
- Cost Efficiency:** Investing in vibration dampers proves cost-effective over time by avoiding expensive repairs and extending the lifespan of power transmission infrastructure.

MM Powerline Transmission Company proudly offers vibration dampers as an integral part of our conductor accessory range. These vital components are essential for optimizing the performance and durability of power transmission systems by managing vibrations and ensuring stable operation.

For more details on how MM Powerline Transmission's vibration dampers can improve your power transmission infrastructure, please contact us. Together, we can achieve the highest standards of reliability and efficiency in your electrical systems.



BOM

SL. NO	DESCRIPTION	MATERIAL	QTY./SET
1	HOOK HALF CLAMP	ALLUMINIUM ALLOY	1 NOS
2	DAMPER MASS (BIG)	C.I.	1 NOS
3	COVER HALF	ALLUMINIUM ALLOY	1 NOS
4	MESSENGER CABLE	HIGH TENSILE STEEL	19 STRAND
5	DAMPER MASS (SMALL)	C.I.	1 NOS
6	M-16 FLAT WASHER	M.S.	1 NOS
7	M-16 SP. WASHER	SPRING STEEL	1 NOS
8	M-16x50 BOLT	M.S.	1 NOS

TECHNICAL DATA

- ITEM CONFORMS TO IS:9708 (1993)
- MASS PULL OFF STRENGTH : 5 KN
- SLIP STRENGTH OF CLAMP
 - BEFORE FATIGUE TEST-2.5KN. (MIN)
 - AFTER FATIGUE TEST-2..KN. (MIN)
- U.T.S. OF MESSENGER CABLE: 135Kg / Sq.mm.
- MESSENGER CABLE: 19 STRAND (19/2.11 MM)
- LAY RATIO OF MESSENGER CABLE: 9-11
- GENERAL TOLERANCE: +3%
- TIGHTENING TORQUE: 6.0KG-M.

Our Brands



Contact Us

- Facebook
- Twitter
- LinkedIn

Quick Links

- Home
- About Us
- Career
- Contact Us

Address

Office : 2D,N.S.Road,shantinagar Colony,Compact Appt., Block-B,Flat-G001,Liluah,Howrah-711 204,West Bengal,India
 Factory : 5B,N.S.Road,Liluah,Howrah – 711204,West Bengal,India
 +91 8961536500
 sales@mmpt.in

