



# Repair Sleeve

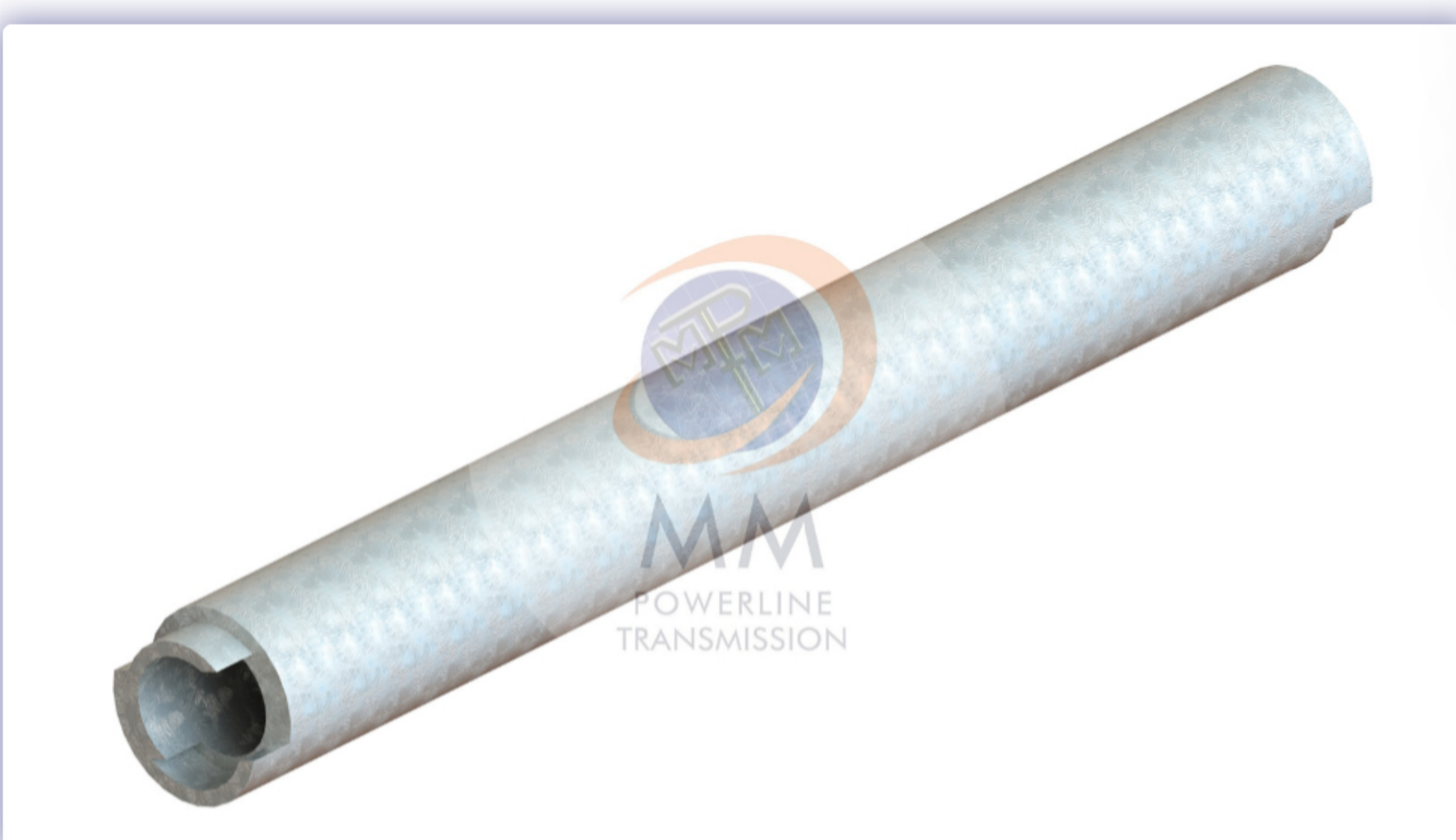
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## Repair Sleeve

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At MM Powerline Transmission Company, our goal is to deliver superior solutions that enhance the reliability and lifespan of electrical power transmission systems. Recognizing the critical role each component plays in system efficiency, we provide a range of premium conductor accessories. Among these, our repair sleeves are essential tools designed to tackle and resolve issues in electrical conductors, ensuring optimal performance and durability.

Repair sleeves are crucial components used to restore the functionality of damaged or compromised electrical conductors. Constructed from robust materials like aluminium, steel, or composite compounds, these cylindrical devices are designed to cover and reinforce sections of conductors that have experienced wear, corrosion, or mechanical damage. Repair sleeves offer a dependable and effective method for fixing conductors without requiring complete replacements.

#### Primary Functions of Repair Sleeves

- Damage Restoration:** Repair sleeves are tailored to address conductor damage, including cracks, abrasions, and corrosion. By covering the damaged area, they help restore the conductor's strength and functionality.
- Reinforcement:** These sleeves provide additional support, ensuring that the conductor can endure mechanical stress and environmental conditions that could otherwise cause further damage.
- Seamless Fit:** Engineered to fit snugly over the conductor, repair sleeves ensure a smooth connection that preserves the electrical and mechanical properties of the transmission line.
- Prolonged Service Life:** By repairing and reinforcing damaged conductors, repair sleeves contribute to extending the service life of the power transmission system, minimizing the need for expensive replacements and reducing downtime.

#### Applications of Repair Sleeves

Repair sleeves are versatile and applicable in several critical scenarios within the power transmission industry:

- Damaged Conductors:** When conductors suffer physical damage such as cracks or breaks, repair sleeves offer an effective solution to restore their integrity and functionality.
- Corrosion Mitigation:** In cases where corrosion has affected the conductor, repair sleeves can seal and protect the damaged sections, preventing further deterioration.
- Emergency Repairs:** Ideal for swift, on-site repairs, repair sleeves enable immediate restoration of conductor performance during emergencies.

#### Installation and Maintenance

Installing repair sleeves involves placing the sleeve over the damaged part of the conductor and securing it with appropriate clamps or fastening systems. Accurate alignment and secure attachment are essential to ensure the repair sleeve functions effectively.

Maintenance includes regular inspections to ensure repair sleeves are in good condition. Over time, environmental factors and mechanical stresses may impact their performance, requiring periodic checks and potential replacements.

#### Advantages of Repair Sleeves

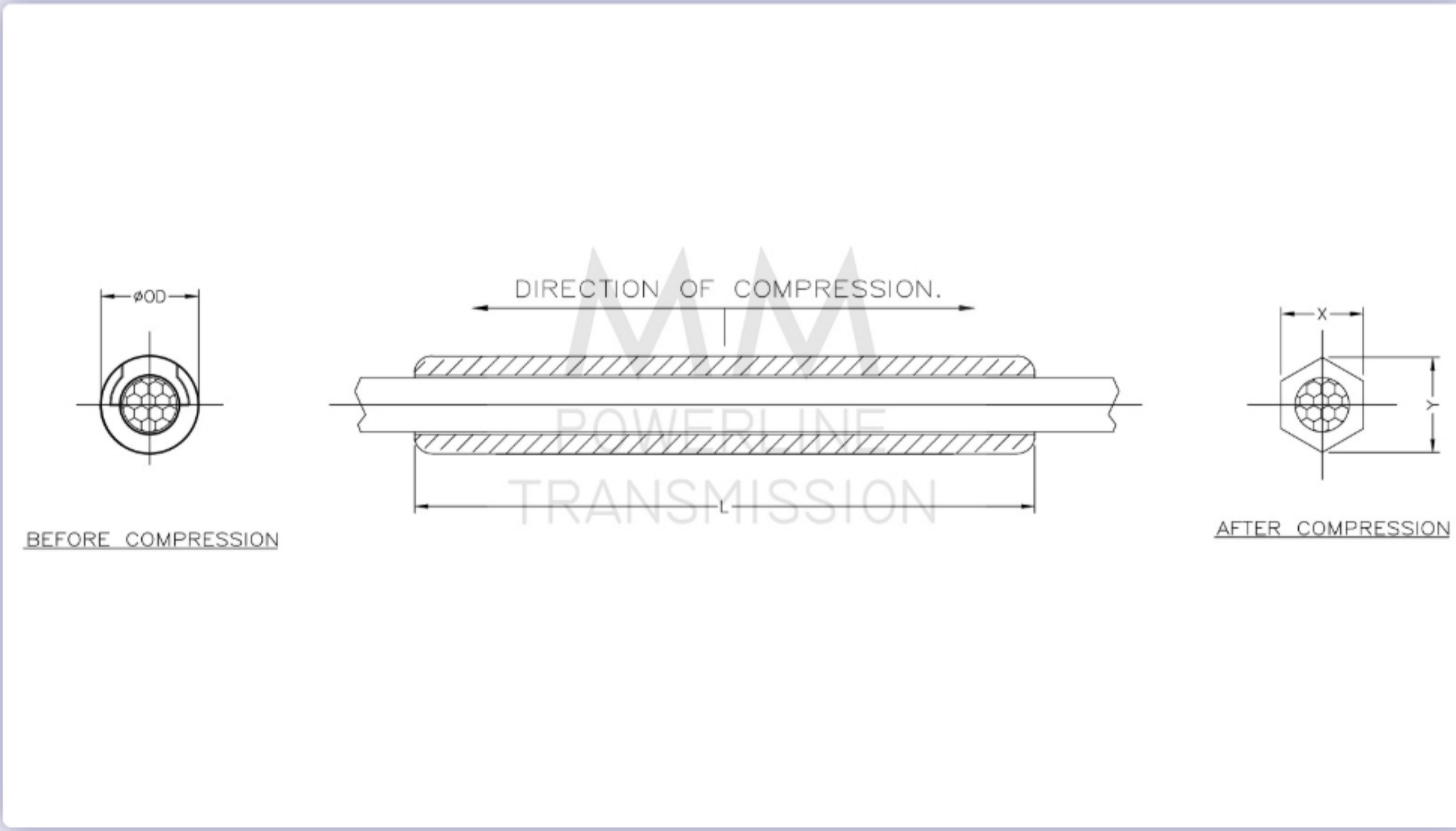
- Cost-Effective Solution:** Repair sleeves provide a cost-efficient way to address conductor damage, avoiding the expense of full conductor replacements and lowering maintenance costs.
- Quick Repairs:** Utilizing repair sleeves allows for fast repairs, reducing downtime and ensuring continuous power transmission.
- Increased Reliability:** By restoring and reinforcing damaged conductors, repair sleeves enhance the reliability of the power transmission system, minimizing the risk of failures and outages.

MM Powerline Transmission Company is proud to offer repair sleeves as part of our extensive range of conductor accessories. These vital components are key to maintaining the performance and longevity of power transmission systems. By integrating our high-quality repair sleeves, utilities can effectively address conductor damage, extend the lifespan of their systems, and ensure dependable electrical transmission.

For more information on how MM Powerline Transmission's repair sleeves can improve your power transmission infrastructure, please reach out to us. Let us assist you in achieving excellence in every aspect of your electrical system.

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#### BOQ

SL. NO	DESCRIPTION	MATERIAL	QTY./SET
1	REPAIR SLEEVE	EXTRUDED ALUMINIUM	1NOS

#### TECHNICAL DATA

- ITEM CONFORMS TO I.S: 2121, PART II.
- SLIP STRENGTH : 95% OF U.T.S. OF THE CONDUCTOR
- MATERIAL : EXTRUDED ALUMINIUM (99.5% PURE),19500/1050,IS:731
- GENERAL TOLERANCE : ±3%.
- ELECTRICAL RESISTANCE: NOT MORE THAN 75% OF THE RESISTANCE OF EQUIVALENT LENGTH OF THE CONDUCTOR
- COMPRESSION PRESSURE: 100 TON

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Office : 2D,N.S.Road,shantinagar Colony,Compact Appt., Block-B,Flat-G001,Liluah,Howrah-711 204,West Bengal,India  
 Factory : 58,N.S.Road,Lilauh,Howrah – 711204,West Bengal,India  
 +91 8961536500  
 sales@mmpt.in

