

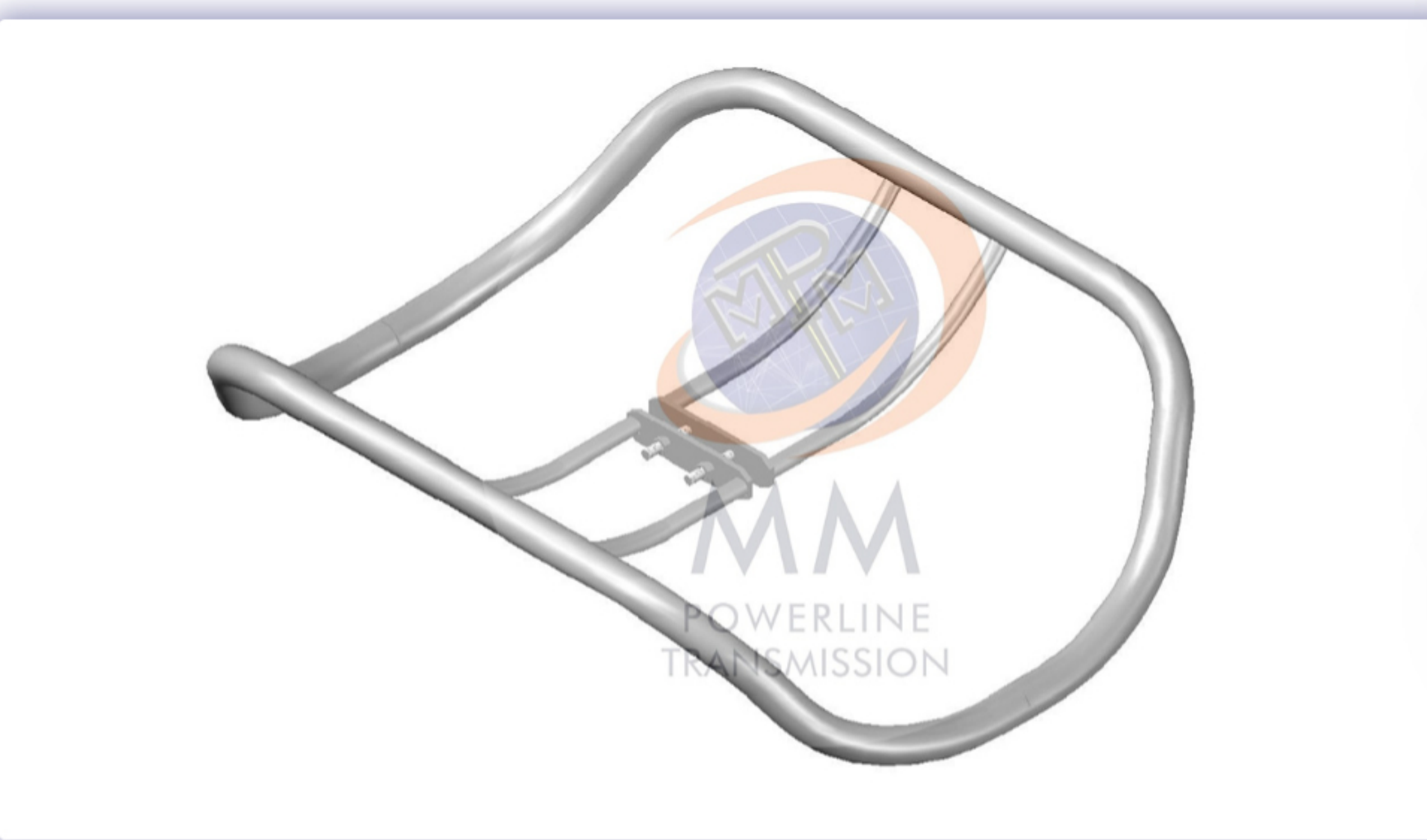


Corona Ring OD-1360 X 900

Home » Corona Ring Type » Corona Ring Od-1360 x 900

Corona Ring OD-1360 X 900

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At MM POWERLINE TRANSMISSION, we are committed to ensuring the safety, reliability, and efficiency of our power transmission systems. One essential component that significantly contributes to these goals is the Corona Ring (OD – 1360 x 900). This key device helps prevent corona discharge, protects conductors and insulators, and enhances the overall performance and stability of transmission lines. In this article, we will explore the features, functions, and importance of the Corona Ring (OD – 1360 x 900) in our transmission line infrastructure.

What is a Corona Ring (OD – 1360 x 900)?

The Corona Ring (OD – 1360 x 900) is a specially designed component used in overhead power transmission lines to prevent corona discharge. Corona discharge occurs when the electric field around a conductor becomes strong enough to ionize the surrounding air, causing energy loss and potential damage to transmission components. The Corona Ring (OD – 1360 x 900) smooths out the electric field around the conductor, reducing the occurrence of corona discharge and improving the efficiency of the transmission system.

With an outer diameter of 1360mm and an inner diameter of 900mm, the Corona Ring (OD – 1360 x 900) is ideal for large-scale, high-voltage transmission lines. This ring provides enhanced protection and optimal performance for power transmission infrastructure, ensuring safe and efficient power delivery.

Key Features

- 1. Durable Construction:** The Corona Ring (OD – 1360 x 900) is made from high-strength, corrosion-resistant materials such as galvanized steel or stainless steel. These materials ensure that the ring is durable and performs reliably in harsh environmental conditions over the long term.
- 2. Efficient Design:** The design of the Corona Ring (OD – 1360 x 900) helps to evenly distribute the electric field around the conductor. This reduces the ionization of surrounding air and minimizes energy loss due to corona discharge, improving the overall efficiency of the power transmission system.
- 3. Custom Fit:** The Corona Ring (OD – 1360 x 900) is specifically designed for high-voltage transmission lines, with its precise outer and inner diameters (1360mm and 900mm) ensuring a perfect fit for larger conductors, enhancing protection and system efficiency.
- 4. Ease of Installation:** Designed for quick and easy installation, the Corona Ring (OD – 1360 x 900) helps reduce installation time and maintenance costs. Its straightforward setup ensures minimal disruption to the transmission system, facilitating more efficient maintenance and operation.

Functions of the Corona Ring (OD – 1360 x 900)

- 1. Preventing Corona Discharge:** The primary function of the Corona Ring (OD – 1360 x 900) is to prevent corona discharge by redistributing the electric field around the conductor. This prevents the ionization of surrounding air, reducing energy losses and improving the overall transmission efficiency.
- 2. Protecting Conductors and Insulators:** By reducing electrical stress, the Corona Ring (OD – 1360 x 900) protects conductors and insulators from damage caused by corona-related effects. This helps extend the life of key transmission components and reduces the need for frequent repairs or replacements.
- 3. Improving Transmission Efficiency:** The Corona Ring (OD – 1360 x 900) enhances the efficiency of the transmission system by minimizing corona discharge. This ensures that electricity is transmitted with minimal losses, improving the overall performance and reliability of the transmission network.
- 4. Enhancing Safety:** The Corona Ring (OD – 1360 x 900) plays a critical role in improving the safety of the transmission system by reducing the risk of electrical faults. This contributes to safer working conditions for personnel and reduces the likelihood of system failures or accidents.

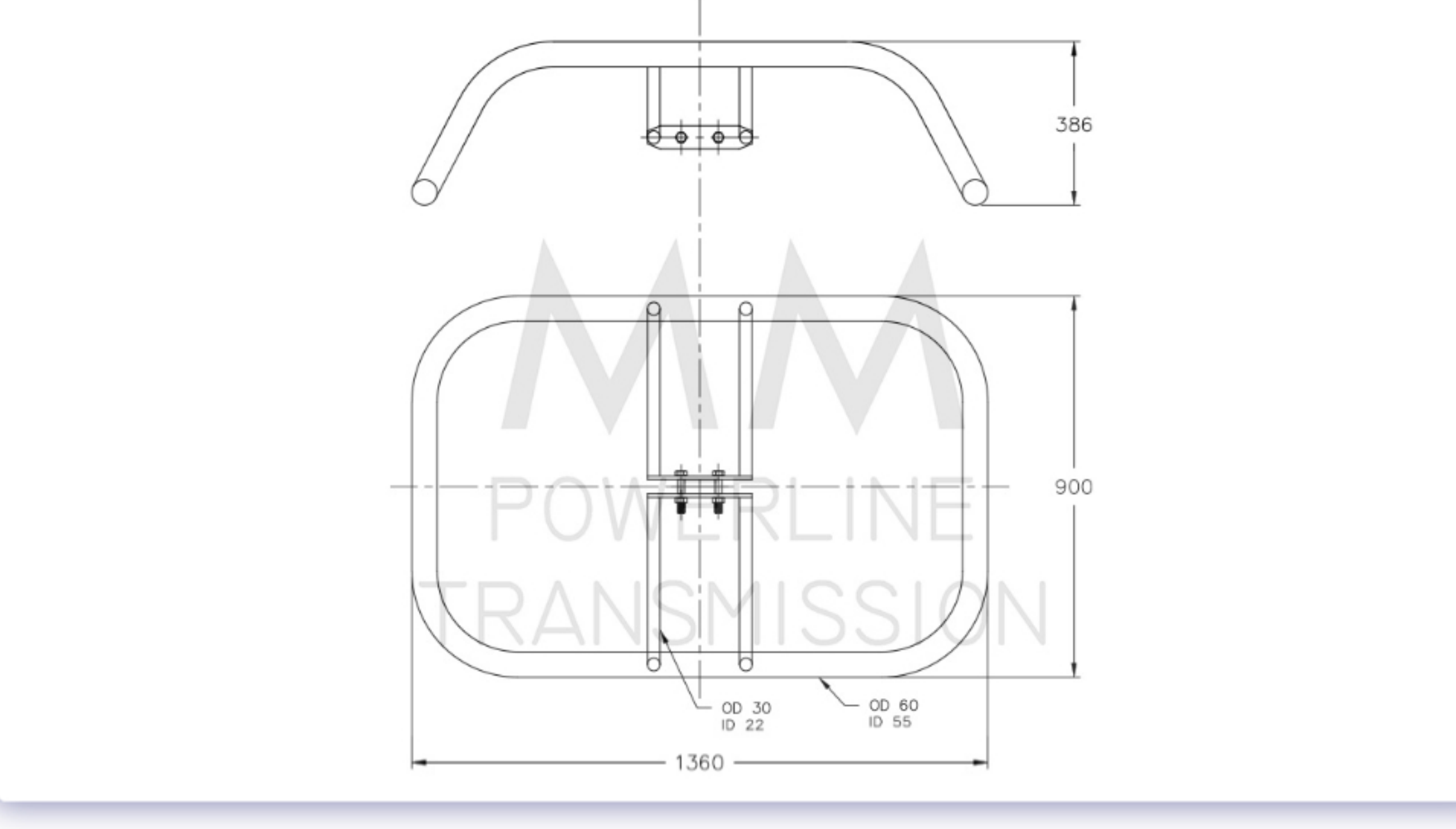
Importance in Transmission Line Systems

The Corona Ring (OD – 1360 x 900) is vital for the following reasons:

- **Safety:** By preventing corona discharge and reducing electrical faults, the Corona Ring (OD – 1360 x 900) helps to ensure a safer environment for both personnel and equipment. It reduces the risk of accidents and damage to critical transmission components.
- **Reliability:** The Corona Ring (OD – 1360 x 900) plays a key role in enhancing the reliability of the power transmission system. By improving system efficiency, it ensures a consistent and uninterrupted power supply, which is essential for maintaining the stability of the electrical grid.
- **Cost Efficiency:** The Corona Ring (OD – 1360 x 900) helps lower operational and maintenance costs by extending the lifespan of conductors and insulators. By minimizing the need for repairs or replacements, it offers a cost-effective solution for ensuring long-term system performance.

Conclusion

The Corona Ring (OD – 1360 x 900) is an indispensable component of MM POWERLINE TRANSMISSION's infrastructure, playing a crucial role in preventing corona discharge and improving transmission efficiency. Its design and function significantly enhance the performance, safety, and reliability of power transmission systems. As the demand for electricity continues to grow, maintaining a resilient and efficient transmission network is more important than ever. The Corona Ring (OD – 1360 x 900) ensures the stable operation of high-voltage transmission lines, helping meet the growing energy needs of our communities. Proper selection, installation, and maintenance of this component are essential for safeguarding the integrity of the transmission system and optimizing the delivery of power.



BOM

SL. NO	DESCRIPTION	QTY	MATERIAL
1	CORONA RING	1 NOS	AL.ALLOY
2	BRACKET	4 NOS	AL.ALLOY/HDG STEEL
3	BOLT	2 NOS	HDG STEEL
4	NUT	2 NOS	HDG STEEL
5	FLAT	1 NOS	HDG STEEL

TECHNICAL DATA

1. ALL DIMENSIONS ARE IN MM.
2. GENERAL TOLERANCE ±5% UNLESS OTHERWISE SPECIFIED.
3. FERROUS PART HOT DIP GALVANISED AS PER IS : 2633.
4. CORONA RING & BRACKET AL. ALLOY

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