

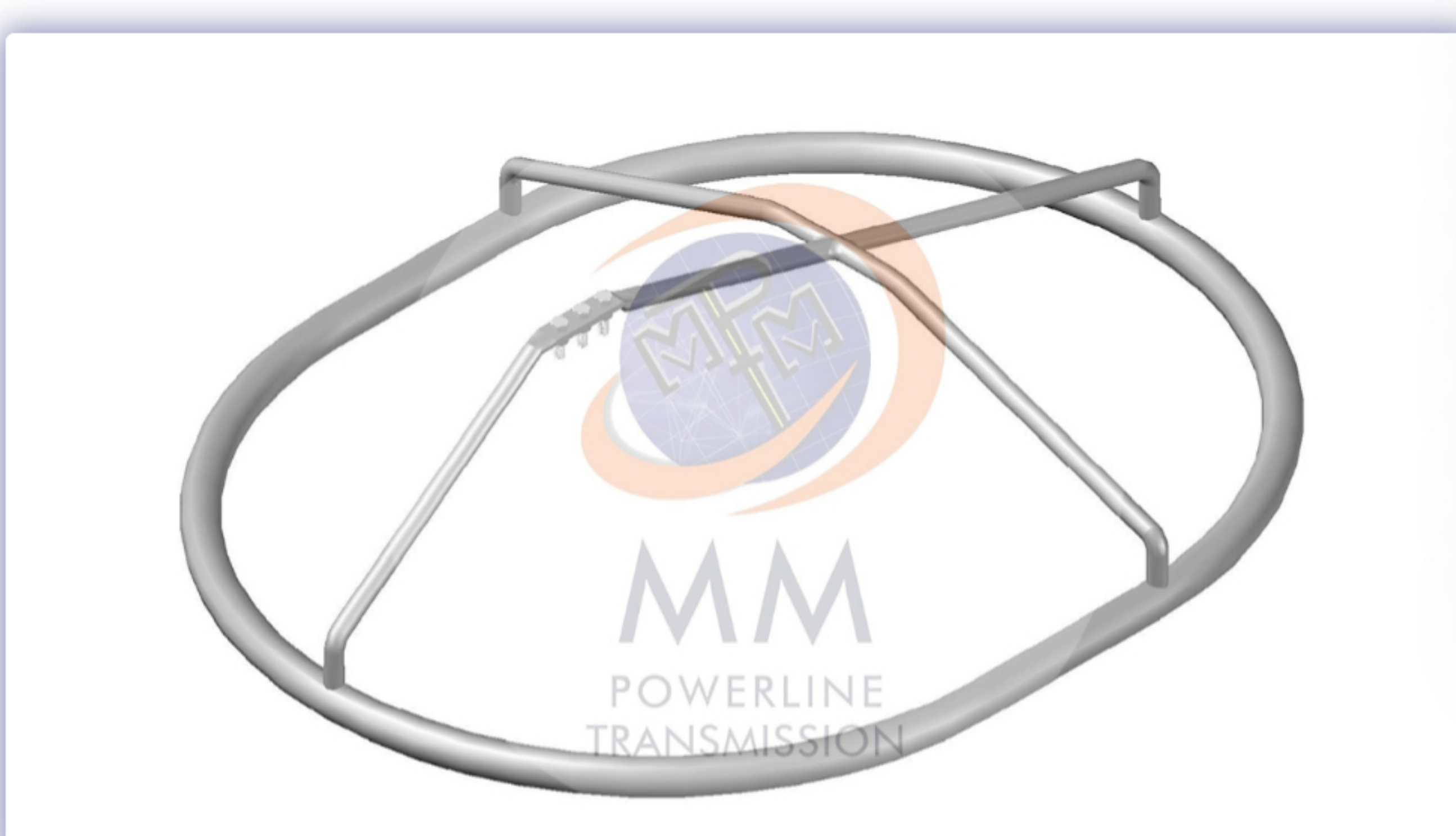


Corona Ring OD-1700x1360

Home » Corona Ring Type » corona Ring OD-1700x1360

Corona Ring OD-1700x1360

Download Product details



Other Product Quick Link

- TENSION FITTINGS-Compression Type
- TENSION FITTINGS-Bolted Type
- SUSPENSION FITTINGS AGS Type
- SUSPENSION FITTINGS-Envelope Type-With Armour Rod
- SUSPENSION FITTINGS-Envelope Type-Without Armour Rod
- SUSPENSION FITTINGS-Free Centre Type-With Armour Rod
- SUSPENSION FITTINGS-Free Centre Type-Without Armour Rod

At MM POWERLINE TRANSMISSION, we prioritize the safety, reliability, and efficiency of our power transmission systems. A critical component that helps us achieve these objectives is the Corona Ring (OD – 1700 x 1360). This essential device plays a key role in reducing the occurrence of corona discharge, protecting conductors and insulators, and enhancing the overall stability of transmission lines. In this article, we will explore the features, functions, and significance of the Corona Ring (OD – 1700 x 1360) in our transmission infrastructure.

What is a Corona Ring (OD – 1700 x 1360)?

The Corona Ring (OD – 1700 x 1360) is a specialized device designed to minimize corona discharge in overhead power transmission lines. Corona discharge occurs when the electric field around a conductor becomes strong enough to ionize the surrounding air, causing energy loss, potential damage to the components, and reduced system efficiency. The corona ring smooths the electric field around the conductor, reducing the risk of corona discharge and ensuring better performance and longevity of the transmission system.

The Corona Ring (OD – 1700 x 1360), with its outer dimensions of 1700mm and 1360mm, is specifically designed to accommodate large conductors and high-voltage transmission lines, offering protection and improved efficiency for large-scale power delivery systems.

Key Features

- 1. Robust Construction:** The Corona Ring (OD – 1700 x 1360) is made from high-strength materials such as galvanized steel or stainless steel, ensuring it can withstand extreme environmental conditions, high voltage, and corrosion. This ensures long-lasting durability and reliable performance.
- 2. Effective Design:** The design of the Corona Ring (OD – 1700 x 1360) ensures an even distribution of the electric field around the conductor. This helps prevent corona discharge, enhancing system performance and safeguarding critical components such as insulators and conductors.
- 3. Precise Fit:** With an outer diameter of 1700mm and inner diameter of 1360mm, the Corona Ring (OD – 1700 x 1360) is specifically sized for larger transmission lines, ensuring a secure and optimal fit for high-capacity power systems. This precision ensures maximum protection and efficiency.
- 4. Simple Installation:** Designed for easy and quick installation, the Corona Ring (OD – 1700 x 1360) can be efficiently mounted onto conductors, minimizing downtime and ensuring the continuous operation of the transmission system.

Functions of the Corona Ring (OD – 1700 x 1360)

- 1. Preventing Corona Discharge:** The primary function of the Corona Ring (OD – 1700 x 1360) is to reduce the likelihood of corona discharge. By distributing the electric field uniformly around the conductor, it helps to prevent the ionization of air and associated energy loss, ensuring smoother power transmission.
- 2. Protecting Insulators and Conductors:** The Corona Ring (OD – 1700 x 1360) helps to protect the transmission system's insulators and conductors from the damaging effects of corona discharge. By reducing the electrical stress, it extends the life of these critical components and reduces the frequency of maintenance and replacements.
- 3. Improving Transmission Efficiency:** By minimizing corona discharge, the Corona Ring (OD – 1700 x 1360) helps reduce energy losses, leading to more efficient power transmission. This results in optimal delivery of electricity and improved overall system performance.
- 4. Enhancing Safety:** The Corona Ring (OD – 1700 x 1360) is also essential for ensuring the safety of both the transmission system and the personnel working with it. By reducing the risk of corona-related electrical faults, the ring helps avoid accidents and maintains the integrity of the transmission network.

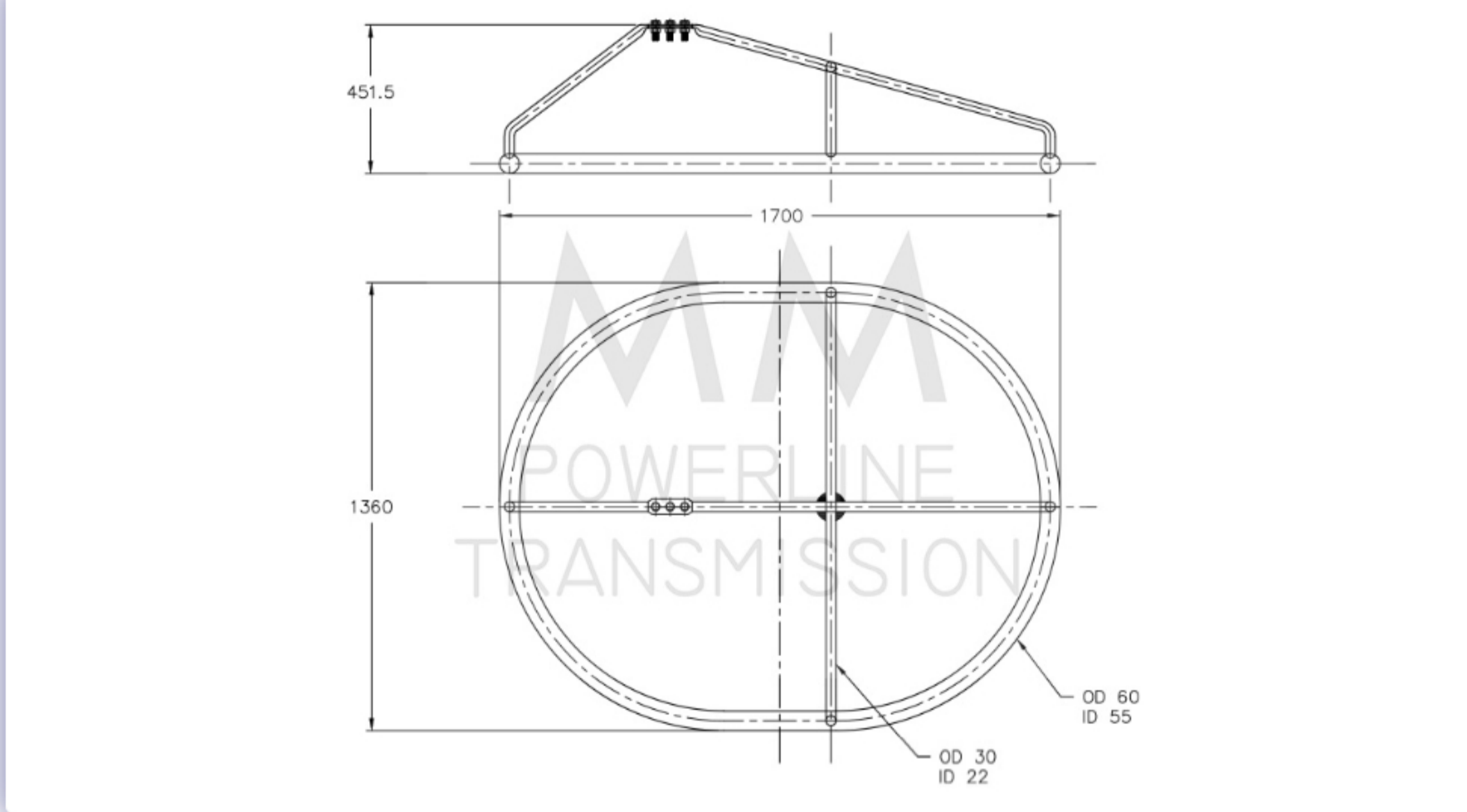
Importance in Transmission Line Systems

The Corona Ring (OD – 1700 x 1360) plays a crucial role in the transmission line system for the following reasons:

- **Safety:** By preventing corona discharge and reducing electrical stress, the Corona Ring (OD – 1700 x 1360) minimizes the risk of faults and accidents, ensuring the safety of both personnel and equipment involved in power transmission.
- **Reliability:** A reliable power transmission system is essential to ensure a continuous and stable electricity supply. The Corona Ring (OD – 1700 x 1360) contributes to the reliability of the system by reducing the risk of energy loss and ensuring that the transmission lines function efficiently.
- **Cost Efficiency:** By improving efficiency and extending the life of components such as conductors and insulators, the Corona Ring (OD – 1700 x 1360) helps lower operational and maintenance costs. Reduced frequency of component replacements results in long-term cost savings.

Conclusion

The Corona Ring (OD – 1700 x 1360) is an indispensable component in the infrastructure of MM POWERLINE TRANSMISSION. Its primary role in preventing corona discharge, protecting critical transmission components, and enhancing the overall safety and efficiency of power transmission systems is vital to maintaining a reliable and stable electricity supply. As the demand for energy continues to rise, maintaining an efficient and robust transmission network is more crucial than ever. The Corona Ring (OD – 1700 x 1360) ensures the optimal functioning of large-scale transmission lines, meeting the growing electrical needs of communities. Proper selection, installation, and maintenance of this component are key to ensuring the long-term success of our power transmission systems.



BOM

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

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