

CONDUCTIVE RING

Ensuring motor bearing protection
through effective grounding

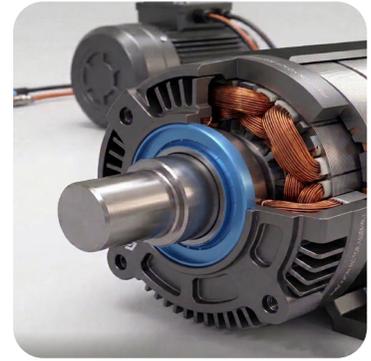
Designed to divert stray currents, our solution protects bearings from electrical damages. Robust and reliable, it adapts to a wide range of industrial applications, from mobility to energy.

- ▶ Extended service life for your electric motors
- ▶ No preventive maintenance required: reliable even in harsh environments
- ▶ No insulated bearings required



PROTECTING MOTOR BEARINGS AGAINST ELECTRICAL DAMAGE

Designed to provide long-lasting protection for industrial motor systems, our conductive ring ensures the effective diversion of stray currents generated by variable frequency drives (VFDs). Robust, easy to integrate, and compatible with standard bearings, it offers a durable and cost-efficient solution to safeguard motor systems without reducing their performance.



TECHNICAL BENEFITS

- **Enhanced electrical protection for a wide range of applications**
By efficiently diverting stray currents generated by variable frequency drives, the ring prevents electrical damage to bearings. Suitable for a large range of power ratings and industrial environments, it ensures long-lasting protection for motor systems.
- **Optimal resistance in harsh environments**
Thanks to robust materials such as stainless steel and PTFE, the ring delivers excellent resistance in aggressive, polluted, or demanding environments. It remains effective even in the presence of water, oil, or dust, ensuring increased reliability under severe conditions.
- **Easy integration with preserved performance**
Its compact design and simple installation allow for quick integration into any motor system. With very low friction, it ensures optimal component longevity without compromising mechanical efficiency.
- **Enhanced reliability without special bearings**
Designed to operate with standard bearings, the ring eliminates the need for insulated bearings. It offers a reliable and cost-effective solution, reducing component costs and minimizing maintenance.



Driven by our materials expertise, we develop reinforced versions engineered for the most demanding conditions. High speed, high voltage, or polluted environments: we adapt the design to ensure reliable performance in extreme conditions.

KEY FEATURES

Rotational speed	Up to 60 m/s
Operating temperature	-40 °C to +150 °C
Electrical resistance	$\leq 10 \Omega$ (depending on the application)
Dimensions	Custom-made
Service life	Maintenance-free

AREAS OF USE

Developed to meet the requirements of the mobility sector and manufactured in accordance with automotive-grade industrial standards, our conductive ring is designed to operate reliably with all types of electric machines and actuators. This versatility makes it a suitable solution for demanding industrial environments.

- General industry
- Heating - Ventilation - Air Conditioning (HVAC)
- Mobility: Automotive / Marine / Rail / Aerospace
- Energy / Nuclear
- Heavy industry: Steel industry / Petrochemicals / Paper mills

