

PENLINK

INTRODUCTION

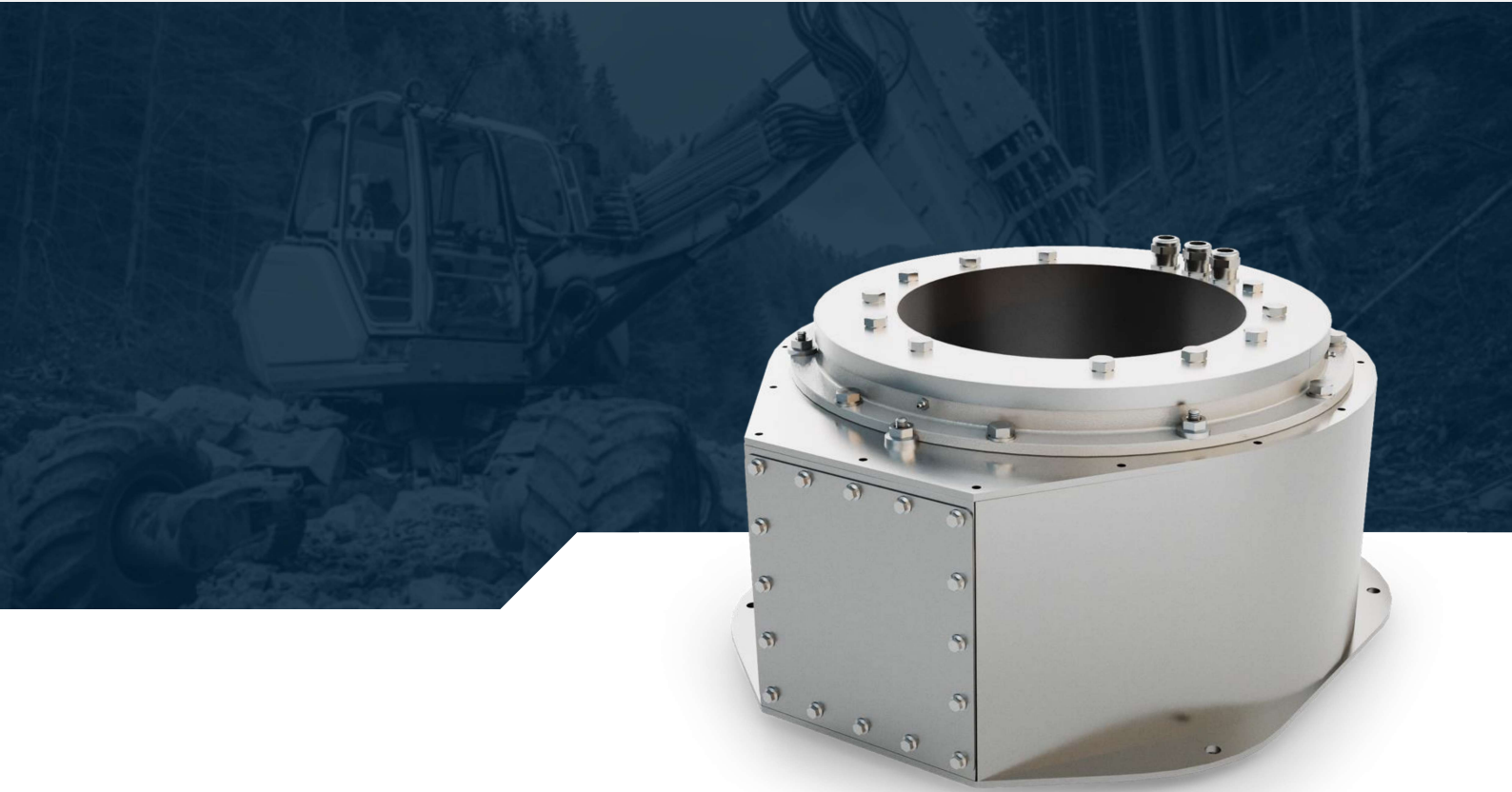
PENLINK SLIP RING FOR ELECTRIFIED EXCAVATORS

Penlink's advanced slip ring solution is designed for the electrification of excavators, enabling efficient power transmission while addressing space constraints and the demands of harsh working environments.

Our slip ring supports high-voltage transmission, making it ideal for both surface and underground operations, including those requiring external power supplies.

KEY FEATURES

- High Voltage & Current Capacity
- Compact & Durable Design
- Sealing & Environmental Protection
- Steady Operating Performance



PENLINK SOLUTION

HIGH-VOLTAGE SLIP RING SOLUTION

Penlink’s high-voltage slip ring solution is designed to meet the power transmission demands of modern electrified excavators. With a rating of 2x200A (800VDC) and 1x200A PE, it ensures reliable electrical transfer even in high-voltage applications such as underground mining, where external power supplies are commonly used.

Built with robust materials like SS 304 stainless steel and featuring an IP54 sealing degree, this slip ring delivers consistent performance in harsh environments, offering both durability and efficiency. Its compact design allows for seamless integration in space-constrained areas, such as the rotor beneath the seating area of excavators.

Technical Information	Values
Voltage Rating	800VDC
Current Rating	Customizable per application
Rotation Speed	10 RPM
Operating Temperature	-20°C to +40°C
Ingress Protection Rating	IP54
Housing Material	SS 304 Stainless Steel
Maintenance	Low-maintenance, extended service life

- Reliable performance in heavy-duty electrical applications, including high-voltage transmission for machinery operating in harsh conditions.
- Fits into space-limited areas, such as under-seat rotors, without sacrificing performance.
- SS 304 stainless steel housing ensures the slip ring withstands corrosion and harsh environmental conditions, reducing maintenance and downtime.
- Supports continuous 360° rotation with stable transmission of both power and signals, ensuring smooth excavator operation.