

# E-USR

Enclosed  
Universal Slip Ring

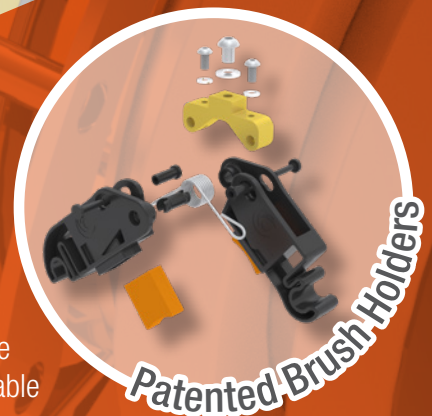
**CONDUCTIX**  
wampfler

# E-USR | Enclosed Universal Slip Ring

- Fast delivery of standardized references
- Reliable and with high performances
- High modularity and flexibility
- Data Transmission features up to 1Gbps as special option
- Interchangeability with most of the old series
- EC machine directive compliance

**Modularity**  
same design  
for all the currents

**Replacement**  
individually mountable  
and dismantable





# The ideal solution for rotating tasks in countless industrial applications

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## Environment & Recycling

IP65 – cost optimized – modular – AISI316 parts as option



## Overhead cranes

Cost optimized – modular – industrialized



## General Industry machines

Cost optimized – modular – industrialized – fast delivery



## Construction (Cranes – Excavators – Hydr. Platforms)

IP65 – cost optimized – modular – AISI316 parts as option



## Offshore cranes (small)

Available in Off-shore version

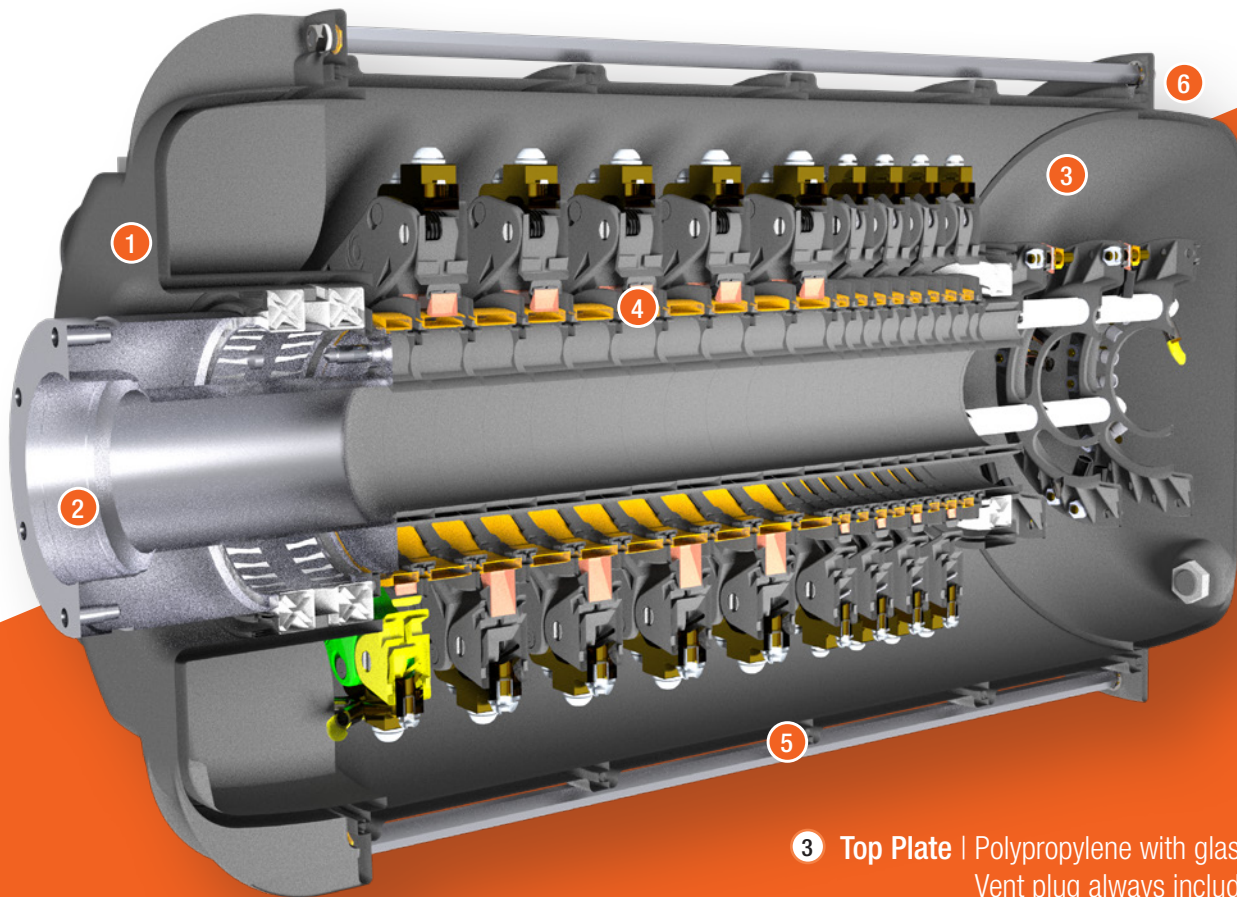


## Wrapping machines

Cost optimized – available in through shaft version



# E-USR | Main Features



- 1 Base** | Polypropylene with glass fiber. 4 holes for radial cable glands. Suitable for antirotating rods and fork fixation
- 2 Universal Hub** | With several options for installation. Flanges and antirotation fork available as option

- 3 Top Plate** | Polypropylene with glass fiber. Vent plug always included
- 4 Slip Rings** | New European range USR
- 5 Housing** | Polypropylene with glass fiber. Modular side modules with O-ring to have high flexibility and IP65
- 6 Captive Screws** | Comply to Machine Directive & CE Mark

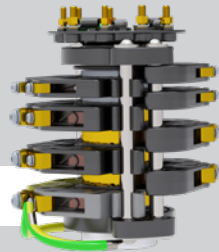
# Construction & Design

## Type 050



### Main External Dimensions

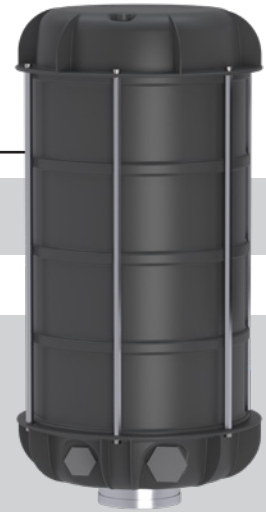
- External Diameter 230 mm
- Length from 201 mm to 501 mm with pitch 100 mm (single module length)
- Up to 4 side modules



### USR Slip Rings

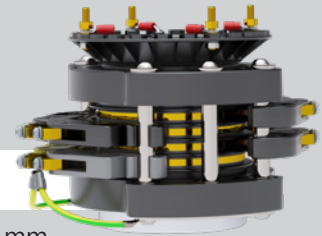
- Ring diameter: 50 mm
- Max. voltage: 690 V AC / 600 V DC
- Max. speed: 100 rpm
- Ambient operating temperature: -20°C up to +40°C \*

## Type 090



### Main External Dimensions

- External Diameter 281 mm
- Length from 237 mm to 737 mm with pitch 100 mm (single module length)
- Up to 6 side modules



### USR Slip Rings

- Ring diameter: 90 mm
- Max. voltage\*: 690 V AC / 600 V AC
- Max. speed: 100 rpm
- Ambient operating temperature: -20°C up to +40°C \*

\* Derating beyond

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To provide you with energy and data transmission  
systems that will keep your operations up and  
running 24/7/365.

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