

Slip Ring Assemblies

for Wind Power Turbines



INDUSTRY APPLICATIONS



STEMMANN-TECHNIK

QUALITY MADE IN GERMANY

Slip Ring Assemblies for Wind Power Turbines

Know-how for more than 25 years

Depending on the type or design of the wind power turbine we provide different slip ring assemblies for on- and offshore applications.

We develop and produce customer-specific slip ring assemblies and standardized solutions at our headquarters in Schüttorf. Based on many years of experience in development, design and manufacturing for a wide range of applications, our slip ring assemblies hold a key position for a loyal customer base worldwide.



Since 1994, under the product name bako® we provide complex slip ring assemblies for power and data transfer for wind power turbines with integrated encoders and media ducts.

The core component of our bako® slip ring assemblies is made of epoxy resin embedded brass rings. The rings get subsequently machined and finished with a gold-plating. This system uses carbon or multiple wire brushes. The multi-wire brushes are made by using gold wire technology.

Our slip ring assemblies for wind power plants are available in various housing designs. The standard protection class of the housing is IP65. We also provide higher protection classes on demand.



Wind power-specific requirements

Especially for wind power-specific requirements we provide standardized technologies to withstand also permanent high stresses, extreme temperature differences and environmental influences such as lightning and dynamic loads.

Thanks to a close cooperation with external service providers and institutions we are able to carry out specific tests on our slip ring assemblies, if necessary.



Rely on our know-how from over 25 years of development and production of slip ring assemblies for wind energy.

bako[®]

QUALITY MADE IN GERMANY



PRODUCT ADVANTAGES OF bako[®] SLIP RING ASSEMBLIES

Individual designs according to customer's specifications

Designed for long lifecycle with a high dynamic strength

Robust and compact housings

Individual plug- and connection systems

Rated current up to 200 A (optionally higher) / rated voltage up to 1 kV (optionally higher)

Temperature range from - 40°C up to + 70 °C

Integrated, thermostatically controlled heating unit to prevent water condensation

Simple and fast installation, easy replacement of individual components

Data transfer (CAN-, PROFI-, INDU-Bus, LAN/Ethernet up to 100 Mbit and video up to 10 Mhz)

Integration of optical data transmitters, encoders and ducts



Corporate headquarters and manufacturing facility
Schüttorf, Germany

We are one of the world's leading manufacturers of energy and data transfer components and systems in industrial and transport technology.

Drawing on our 100 years of engineering and practical research, we manufacture high quality products required all over the world, and create special, innovative, customised solutions.

A fundamental key to our success is our understanding of the importance of high quality in all areas of the company, ranging from customer-oriented advice to long-term service.

We guarantee high quality by upholding international standards and guidelines.

Since 2014 we belong to the Wabtec Corporation, a global provider of technologies, products and services in the field of railway and industrial engineering.

Through the integration of Faiveley Transport to the Wabtec Corporation in 2016 we are an important part of one of the largest public rail equipment companies in the world with more than 20,000 employees around the globe.

With know-how, product diversity and forward-looking innovations we are your excellent choice in the field of industrial and transit technology.

STEMMANN-TECHNIK
DIN EN ISO 9001:2008

TRANSIT APPLICATIONS



ROOF-MOUNTED PANTOGRAPHS



3rd RAIL CURRENT COLLECTORS



frost® GROUND CONTACTS



STINGER SYSTEMS

INDUSTRY APPLICATIONS



CABLE REELS



SLIP RING ASSEMBLIES



FESTOON SYSTEMS



CONDUCTOR LINES

CHARGING SOLUTIONS



ChargingPANTO®



ChargingREEL



ChargingSTINGER



FerryCHARGER

ONSHORE POWER SUPPLY



FOR CRUISE SHIPS



FOR CONTAINER VESSELS



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