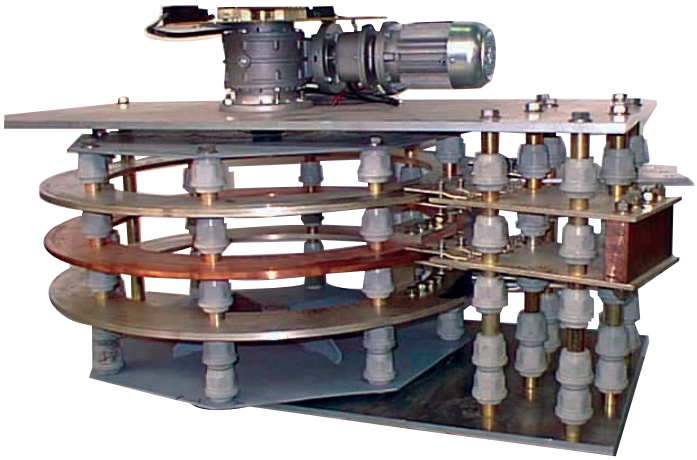
Rotating Current Transfert Unit

SLIP RINGS Range 1000 A to 60 kA

Single Phase or Multi Phases

- **Low and constant voltage drop**
- **Large insulation and creepage distances**
- **Easy connections to:**
  Aluminium or Copper busbars
- **Large customization possible with:**
  Actuators (motor, pneumatic, manual)
  Auxiliaries (limit switches, locks, control boxes)
  Dimensions fitting (abaptation with the connecting terminals).



Main technical characteristics

Electrical Data

▪ Temperature rise at nominal current (with 40°C max. above ambient temperature) less than	: 65°C
▪ Typical temperature rise at nominal current (with 40°C max. ambient temperature)	: 5°C above busbars
▪ Voltage drop at contact point less than	: 10 mV
▪ Peak short-circuit current withstand (upon circuit configuration)	: 20 x (Nominal current)

Mechanical Data

▪ Mechanical endurance prior to maintenance (with respect to preventive maintenance instructions)	: 500 000 meters at contact
▪ Typical Linear Rotation Speed at contact point up to (no higher speed has been yet tested)	: 14 m/min.
▪ Self-alignement and compensation of dimensional tolerances between fixed parts and rotating parts up to	: +/- 5 mm
▪ Ponctual temperature withstand without equipment damages	: 140° C

Main technical characteristics

Technology

- Contact point within a silver-based plated slip ring and a silver alloy rivet
- Mechanically independant pairs of contact fingers
- Capability (upon request) of absorbing regular rotation of +/- 5° without any wear and maintenance
- Insulation with Fiberglass reinforced polyester insulators
- Carefully studied shape of contact fingers for self-alignement, compensation of tolerances and electrodynamic withstand
- All stainless steel construction

With its engineering capability in Provins (France), in Mannheim (Germany), and its testing platform in Saint-Bonnet-de-Mure (France), FERRAZ has it all for defining and offering customized solutions to meet your most specific requirements :. Adapted technical performances (short-circuit current capability, endurance ...)