

PERFECTLY TUNED FOR MAXIMUM RELIABILITY

The uninterrupted and safe transmission of current between the contact wire and the current collector is the basic prerequisite for reliable and economical rail transport. At this important interface, Schunk contact strips repeatedly set new standards in terms of electrical conductivity, functional safety and durability. In order to achieve this, even under the most diverse environmental conditions, the right material is crucial. Whether carbon-based, metallic or sintered - our customers have been relying on Schunk materials for decades.



HIGH SPEED, EMU, LOCOMOTIVES



TRAMS & METRO (ROOF PANTO)



METRO (THIRD-RAIL) & PEOPLE MOVER

WORLDWIDE UNIQUE DIVERSITY OF MATERIALS

CARBON-BASED SLIDING STRIP

The carbon-based materials used for this purpose have the usual high Schunk quality and can be adapted according to requirements.

- Extremely low overhead line wear
- Good arc resistance
- Low weight

SINTER-SLIDING STRIP

Some environmental conditions or local rail systems require the use of sinter sliding strip. Our sintered materials are characterised by high material diversity and high quality standards.

- Customized material composition
- Customized design presentation
- Optimized weight

METALLIC SLIDING STRIP

Our custom-made metal abrasives for steel conductor rails are successfully used around the globe. They offer excellent temperature resistance and a stable performance level.

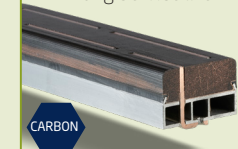
- Perfectly matched metal material
- High corrosion resistance
- Best emergency running properties

HIGH OPERATING CURRENTS

Contact strips with impregnation or copper inserts can transmit high currents.

HIGH-CURRENT CARBON STRIP

- Maximum current transmission
- Long service life



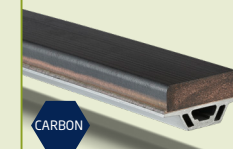
HIGH-CURRENT CARBON STRIP

- Robust
- Customized



HIGH-CURRENT CARBON STRIP

- High standstill current carrying capacity



MULTI-MATERIAL SLIDING STRIP

- High current transmission
- High service life



SLIDING STRIP

- Maximum current transmission



SLIDING STRIP

- Adaptable power transmission according to customer requirements



AERODYNAMICS

Lightweight and aerodynamic contact strips maintain contact even at high speeds.

ALL-CARBON SLIDING STRIP

- Optimum arc protection
- Long service life



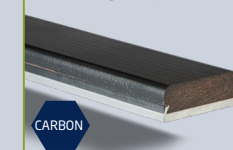
INTEGRAL CARBON STRIP

- Weight-optimized
- Aerodynamic design



CARBON STRIP

- Compact design
- Weight optimized



ECONOMY & SAFETY

Reduce costs for maintenance and servicing safely over the entire service life.

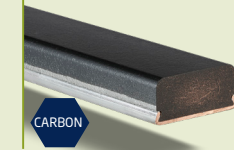
INTEGRAL CARBON STRIP

- RAMS/LCC optimized
- Integrated wear detection



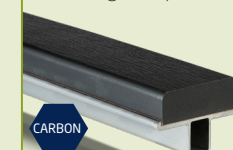
SLIDING STRIP

- Individual design
- Easy maintenance



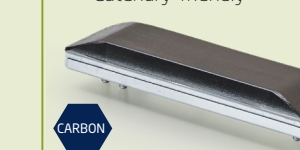
CARBON STRIP

- LCC/RAMS optimized
- Integral/separate horns



SLIDING STRIP

- Long service life
- Catenary-friendly



SLIDING STRIP

- Optimum LCC cost
- Robust and standard



ARC PROTECTION

Short-term contact interruption can cause arcing, which can damage the contact strips or lead to complete train failures.

ALL-CARBON SLIDING STRIP

- Optimum arc protection
- Long service life



COLLECTOR SHOE WITH PROTECTED SUPPORT

- Good arc resistance
- Customized



CARBON STRIP WITH MAGNETIC ARC PROTECTION

- No significant influence on the geometries by the magnet
- Optionally with heater



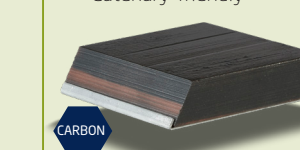
SLIDING RAILS WITH CARBON PINS

- Arcing discharge through carbon pins
- Customizable



SLIDING STRIP

- Long service life
- Catenary-friendly



SLIDING STRIP

- Maximum current transmission
- Long service life



WINTER CONDITIONS

Winter conditions can limit or prevent power transmission.

MULTI-COMPONENT CARBON STRIP

- Robust
- Customized



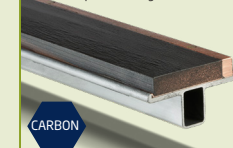
ICE SCRAPER CARBON STRIP

- De-ices the contact wire
- Optionally with heating elements



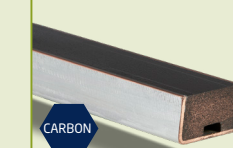
ICE SCRAPER CARBON STRIP

- De-ices the contact wire
- Optionally with heater



MULTI-COMPONENT CARBON STRIP

- Robust
- Durable



HYBRID SLIDING STRIP

- De-iced contact wire



INFRASTRUCTURE PROBLEMS

Overhead lines in poor condition and other adversities can damage the contact strip.

MULTI-COMPONENT CARBON STRIP

- Resistant
- Compact



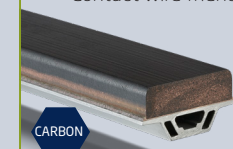
CARBON STRIP

- Optimized carbon materials
- Contact wire friendly



CARBON STRIP

- Optimized carbon materials
- Contact wire friendly



HYBRID SLIDING STRIP

- Catenary-friendly

