



Premium Components for Your Hydroelectric Power Plants

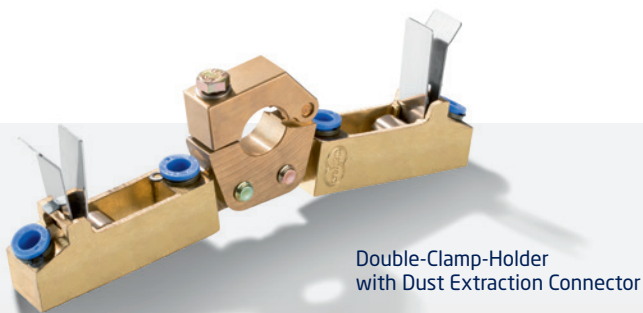
Schunk's dust extraction system

Compact System for Smooth Current Transmission for Hydroelectric Power Plants

In order to have an efficient hydroelectric power plant, every component has to function smoothly and with low maintenance efforts. This also applies to the area of the generator where the carbon brushes ensure the current transmission and are thus often a decisive factor for the performance of the entire system.

However, before inevitable abrasion dust leads to contamination and damage to the system, even with the best carbon brushes, it has to be reliably extracted. Schunk has therefore developed a system to dependably extract the dust caused by abrasion of the carbon brushes from the generator and hence further increase efficiency.

The dust extraction system for brush wear (CDE - Dust Extraction System) stands out for its perfectly coordinated system of dust extraction, carbon brushes and holders. This system can be integrated into new generators or be easily and cost-efficiently retrofitted into existing ones. Thus we offer you higher reliability, less downtime and lower maintenance costs.



Double-Clamp-Holder
with Dust Extraction Connector



Carbon Brush

Doubtlessly the Best Solution for Your System

Our plug-in brush holder with an integrated extraction device permits a smooth and dust-free use of the generator during operation. Hence, perfect current transmission is possible at all times, even under the harshest of conditions.

Take advantage of these benefits:

- High degree of effectiveness through precise positioning of the brushes
- Optimal protection against accidental contact of electrically-charged parts
- Absolute reliability through the highest quality of the individual elements
- Extraction of particles directly from the carbon brushes

The Highest Degree of Reliability, Even Under Extreme Conditions

Our carbon brushes perform safely and reliably in all type of generators. Our individually coordinated carbon and graphite materials combine good electrical and thermal conductivity with a high level of temperature resistance. Even at the highest RPM, a good transmission of current is achieved. They are the perfect solution, even under extreme conditions.

Take advantage of these benefits:

- Application-specific composition of materials
- High degree of reliability and safety
- Outstanding temperature resistance
- More efficiency

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