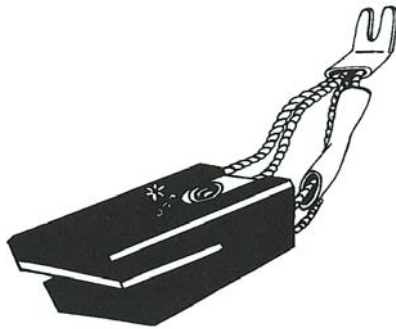


SURFACE CLEANING BRUSH

maintenance tool



Combats contaminated environments
Improving commutator / slip ring
condition and enhancing brush life.

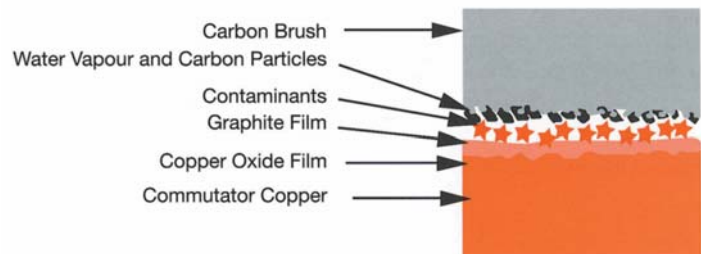
- Can be used with any brush grade
- One SCB per brush track
- Consistent with existent brush design
- Minimises commutator wear
- Reduces wear on existing brushes
- Can be made in a "fit and forget" style

The surface cleaning brush has been developed to fight non-conductive slipping / commutator patinas that occur in contaminated environments. The patina is a complex formation of approximately 75% copper oxide, 20% graphite, with water and environmental contaminants making up the remaining few percent. The balance of these ingredients is critical to satisfactory brush and commutator life.

An SCB consists of a conductive abrasive insert within a carbon brush. Morgan Industrial Carbon formulates and positions the abrasive material to make each SCB compatible to the application. Thus an SCB does not limit output during temporary use. An alternative design incorporating a short length (stub) of SCB material enables "fit and forget" use where the stub performs it's function and wears away leaving a normal operating carbon brush.

How to order !

To order the SCB to properly suit your machine, please supply Morgan Industrial Carbon with details of the standard brush being used and specifications of the machine



How an SCB works

An increase in the amount of contamination (hydrogen sulphide, sulphur dioxides, chlorine, acid) in the air can cause the slipping / commutator patina to be less conductive than required. The less conductive patina affects current sharing between the brushes, increases friction and can degrade commutation, which reduce brush life and can burn commutator bars.

Severe contamination can begin to affect the brush performance within a week. Paper, plastic, steel and chemical industries initiatives to reduce maintenance cost and decrease downtime can be severely hampered by unscheduled failures caused by chemical vapour.

In a normal environment, brush impregnation's or treats can protect the slipping / commutator surface. The SCB will control patina build up in a contaminated environment.

A conductive scrubbing material is secured between the wafers of the brush. The material removes the contamination from the rotating surface maintaining the proper brush contact drop and friction characteristics.

