

# CARBON BRUSH APPLICATION DESCRIPTION FORM

Company   
 Address   
 Date

Surname/Name   
 Phone Nr  Fax Nr   
 Email

Questions in blue are essential information for us to determine the best brush grade appropriate to your machine

## Information concerning the machine:

- Machine manufacturer:
- Machine Type:
- Generator:  CC  CA - Motor:  CC  CA  
 Direction of rotation: Reversible  yes  no
- Converter:  CC-CA  CA-CC

	Nominal	In service	
		Normal	Max.
5. SPEED(rpm)	<input type="text"/>	<input type="text"/>	<input type="text"/>
6. VOLTAGE(V)	<input type="text"/>	<input type="text"/>	<input type="text"/>
7. CURRENT(Amps)	<input type="text"/>	<input type="text"/>	<input type="text"/>
8. POWER(kW)	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Duty:
- Duty cycle(including no load %):
- Excitation:  Shunt  Separate  Series  Compound
- Machine construction:  Open  Protected  Closed
- CARBON BRUSH MANUFACTURER AND GRADE**
- The slip rings are located:  
 Between  Outside the bearings
- Are the slip rings in a closed enclosure?  yes  no

## Machine's environment:

- Type of industry:
- Ambient temperature (°C / °F):
- Temperature in service (°C / °F):
- Relative humidity(%):
- Oil vapor:
- Corrosive gases-Type?
- Dust-Nature:
- Vibration?

## Machine's environment:

- Average brush life (hours):
- DESCRIPTION OF ANY PROBLEMS (if any)**

Commutator	Slip rings
<b>DIAMETER:</b> No. of bars: <input type="text"/> Bar width: <input type="text"/>	<b>DIAMETER:</b> Width: <input type="text"/> <b>NUMBER:</b> <input type="checkbox"/> 2 <input type="checkbox"/> 3 <b>MATERIAL:</b> <input type="text"/>
Micas width: <b>No. OF TRACKS:</b> <input type="text"/> <b>No. OF BRUSHES:</b> <input type="text"/> <b>PER TRACK:</b> <input type="text"/> <b>No. OF POLES:</b> <input type="text"/>	<b>HELICAL GROOVE:</b> <input type="checkbox"/> With <input type="checkbox"/> Without <b>No. OF BRUSHES:</b> <input type="text"/> <b>PER RING:</b> <input type="text"/>
<b>BRUSH DIMENSIONS:</b> (See Fig.1) t= <input type="text"/> a= <input type="text"/> r= <input type="text"/>	<b>BRUSH DIMENSIONS:</b> (See Fig.2) t= <input type="text"/> a= <input type="text"/> r= <input type="text"/>
<b>BRUSH DIMENSIONS:</b> (See Fig.3,4 and 5) $\alpha =$ <input type="text"/> °	<b>BRUSH DIMENSIONS:</b> (See Fig.3,4 and 5) $\alpha =$ <input type="text"/> °
<b>SPLIT BRUSH?</b> <input type="checkbox"/> Fig 6 <input type="checkbox"/> Fig 7 <input type="checkbox"/> Fig 8 <input type="checkbox"/> Fig 9	<b>SPLIT BRUSH</b> <input type="checkbox"/> Fig 6 <input type="checkbox"/> Fig 7 <input type="checkbox"/> Fig 8 <input type="checkbox"/> Fig 9
The brushes on the same path are: <input type="checkbox"/> In line <input type="checkbox"/> Staggered	<b>CURRENT PER RING:</b> <input type="text"/> A <input type="checkbox"/> CC <input type="checkbox"/> CA

- Commutator's  Slip ring's condition  
 Good  Glossy  Matt  
 Smooth  Worn out  Grooved  
 Uniform  Marked  
 Marks:  Evenly distributed  Burnt  
 Unevenly distributed  
 Color:  Light  Average  Dark