

**Carbon Technology** 

www.schunk-group.com



# Carbon Brushes - Order Guide

With this information sheet we like to give our customers a tool to facilitate the order procedures of carbon brushes. It will show on the following pages the information required, to enable us to suggest the most appropriate carbon design and carbon grade for your application. It further assures a speedy and smooth handling of any order.

The easiest and fastest way for us to determine the correct design, is to receive a new or used sample of your present brush. This will eliminate the need to furnish other pertinent information regarding the proper design.

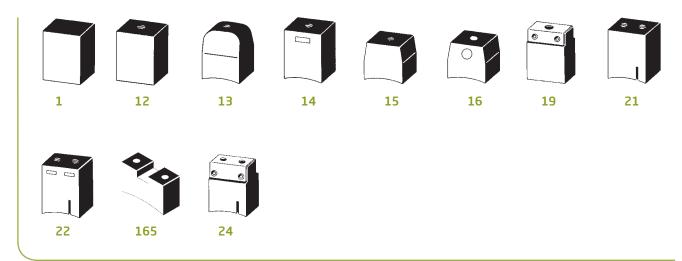
Should it however not be possible to provide an actual sample, we kindly request as much information as possible. This order guide will be a tool to help establish the required data.

We kindly ask you to fill out the Carbon Brush Order Guide as complete as possible and record in particular the presently used carbon grade.

Our manufacturing program covers carbon brushes for any possible electro motor application. Many styles are available ex stock on short notice.

For carbon brushes with attachments we reserve the right to provide the most suitable method of mounting between carbon brush and shunt, and between shunt and shunt-terminal.

## Block brushes, without shunts



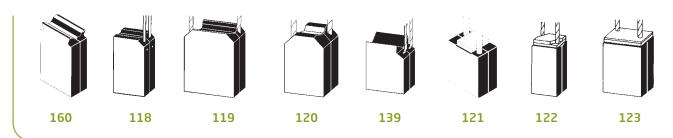
## Block brushes, one shunt



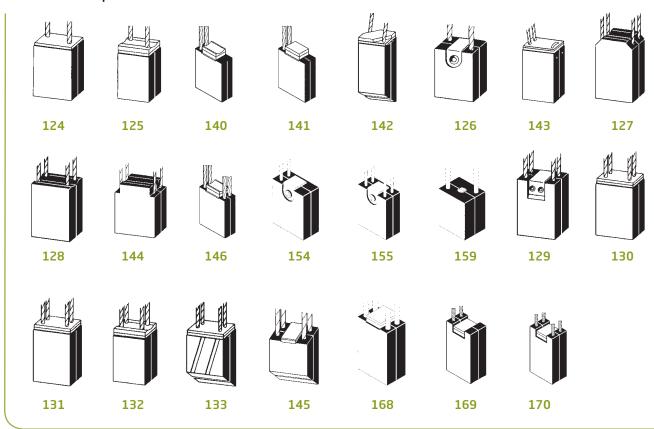
#### Block brushes, two or more shunts



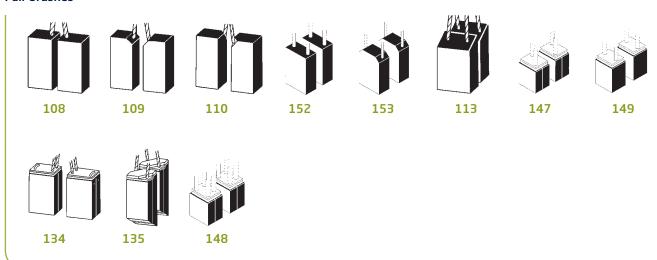
#### Twin brushes



## Twin brushes or split brushes



## Pair brushes



## Block brush - triple mounted



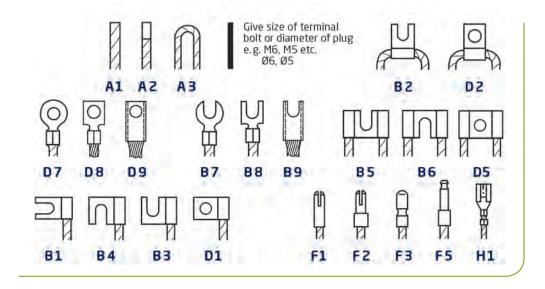
## Triple brush



05

# Shunt

- Terminal
- Design



# **Brush Dimensions**

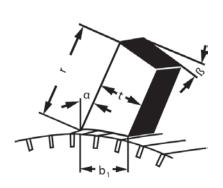
The dimensions of carbon brushes are measured in the following sequence

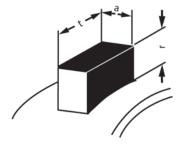
#### txaxr

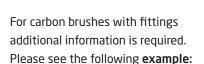
- t = tangential (in direction of circumference i. e. thickness)
- a = axial (in direction of axle i. e. width)
- r = radial (in direction of diameteri. e. length, incl. head plate)

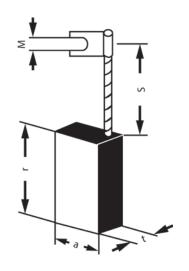
Please be request to indicate the dimensions in this sequence.

If other than rectangular designs of carbon brushes are required, please indicate additional information, e. g. bevel of contact surface, contact surface slots, etc. For beveled brushes please specify the angle of running- and head-bevel.









# ${\sf Explanation}:$

S = Shunt length, measured from top of brush to center of terminal, respectively center of terminal bolt M = Size of terminal bolt, e. g. "M6"

#### Example

Brush Design: Figure No. 26 (see page 3)

Brush Dimension:

txaxr

e. g. 10 x 25 x 32mm

Shunt Length:

S = e. g. 75mm

Design of Terminal:

e. g. Figure No. B1

Width of Slot:

e. g. 6 mm (M6)





# Carbon Brushes Order guide

Name Street Postal Code City	RFQ / order no. Quantity Email
Brush design	Brush grade (* to be completed, if grade unknown)
Brush design Figure no	Machine manufacturer*
Brush dimensions txaxrmm	Commutator   Slipring
Upper angle 7,5° □ 15° □ 30° □	Machine type*  Motor □  Generator □
Lower angle 7,5° □ 15° □ 30° □	Type of current  DC
if running surface radiused:  Commutator ø mm  Slipring ø mm	AC   Normal voltage ———V  Normal current ———A
Flex  Length mm  Insulation   Tinned   —	Current brush grade
Plain   Terminal	Notes
Figure no mm  Gap mm  Hole ø mm	

in the fields of carbon technology and ceramics, environment simulation and air conditioning technology, sintered metal and ultrasonic welding. The Schunk Group has bundled its expertise in the development, manufacture and application of carbon and ceramic solutions in the Schunk Carbon Technology Division.

The Schunk Group is an internationally operating technology company. It offers a broad spectrum of products and services

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