Our experience supports the best solutions...

Specialists in advanced materials for electrical applications

Carbones y Sistemas, S.L.L.
C/ Av. Los Pocillos, 10
Nave 1 - P.I. La Carrehuela
28340 Valdemoro (Madrid)
Tel.: +34 91 895 38 80  mail@carbosystem.com
Fax: +34 91 809 23 46  www.carbosystem.com
Our products for electric applications, are based on premium raw material from the main graphite manufacturers. Within our product spectrum, we may highlight BRUSHERS, BRUSH HOLDER AND STRIPS, as the most important within the electric applications field.

**BRUSHERS**

*Carbosystem* has the required amount of qualities to reply any kind of application.

In any case, it is important to know technical data about the type of motor and work conditions (load, environment, chemical conditions, mechanical vibrations, etc.).

**APPLICATIONS:**
- High power D.C. motors
- A.C. motors
- Slip Rings
- Tachometric dynamos
- Micro-motors
- Turbo-alternators
- Linear motors
- Lifting machines

**QUALITIES:**
- Carbon graphite
- Graphite + Resin
- Graphite + Metal
- Electro-graphites

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QUALITIES

- **CARBON GRAPHITE**  
  They are appropriate for low or moderate speeds and moderate current densities, recommended for split up power engines.

- **GRAPHITE WITH RESIN BINDER**  
  They are used on various applications as high speed Turbo-alternators, sliding rings, battery driven vehicles or alternating current engines with collector.

- **GRAPHITE WITH METALLIC CONTENT**  
  They are made by graphite with metal powder with a proportion from 4% till 98%. Basically the most used metals are copper and some different metals alloy. They are recommended for low voltage generators and high current density.

- **ELECTROGRAPHITE**  
  They cover a high field of applications on continuous current engines. Special for high speed equipments, high current density and low voltage.

DIMENSIONS

The dimensions from the brushes are taken in the following way:

- \( t \times a \times r \)
  - \( t \) = tangential  
    On direction to the circumference
  - \( a \) = axial  
    On direction to the axel
  - \( r \) = radial  
    On direction to the diameter

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Carbosystem supplies holders for different kinds of motor. As well as other type of fasteners like Clamps with springs.
We can make any kind of holder either under a design or sample, in order to satisfy the customer.

STRIPS
We offer our client different shapes and sizes of strips generally used in electrical machinery. Using the most modern production methods and innovative alloying procedures, we have reached an optimum product quality to face the highest mechanical demand.
electrical applications
brush holders

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electrical applications

brush holders

12,5 x 25 MD5001101
16 x 25 MD5001102
32 x 42 MD5001103
2 x 16 x 32 MD5001104
25 x 32 MD5001105

20 x 32 MD5001106
10 x 25 MD5001107
20 x 32 MD5001108
2 x 12,5 x 32 MD5001109
2 x 16 x 32 MD5001110

25 x 32 MD5001111
10 x 25 MD5001112
10 x 13 MD5001113
16 x 80 MD5001114
12,5 x 32 MD5001115

16 x 32 MD5001116
16 x 25 MD5001117
12 x 25 MD5001118
20 x 25 MD5001119
25 x 32 MD5001120

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