

# Carbón para aplicaciones eléctricas.

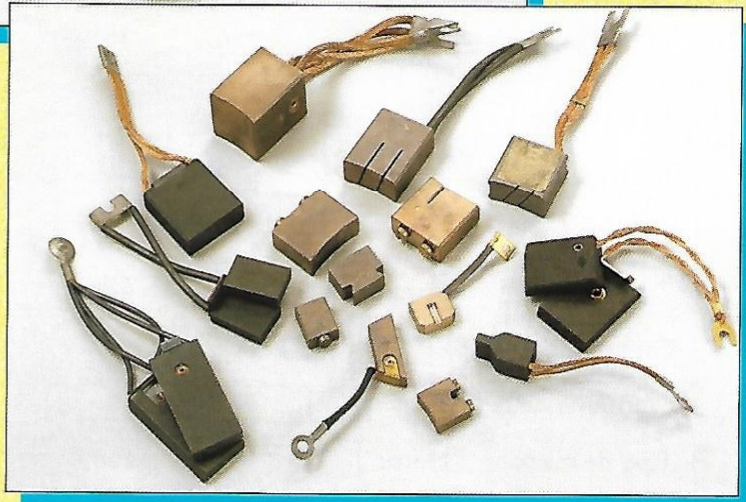
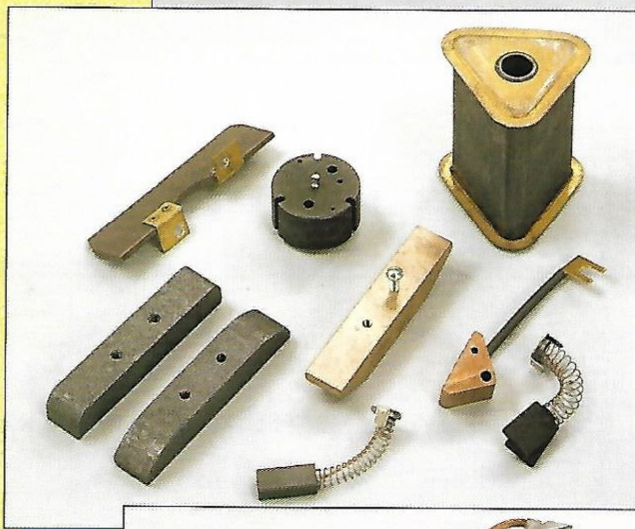
Las escobillas de grafito son elementos fundamentales en la transmisión de corriente de máquinas eléctricas rotativas.

La utilización de grafito en esta aplicación es debido a las propiedades especiales que posee de frotamiento, conductibilidad eléctrica y térmica, así como su comportamiento con altas temperaturas.

Nuestro asesoramiento técnico le dará la mejor solución a sus problemas, garantizándoles nuestra calidad, así como unos plazos de entrega acordes con sus necesidades.

Disponemos de diferentes tipos de calidades para las distintas aplicaciones en los siguientes sectores:

- Carbón eléctrico para máquinas industriales.
- Carbón eléctrico para máquinas de herramienta eléctrica y todo tipo de electrodomésticos.
- Carbón eléctrico para el sector del automóvil.
- Carbón eléctrico para contactos, frotadores de puente-grúa, rulinas para transformadores, etc.



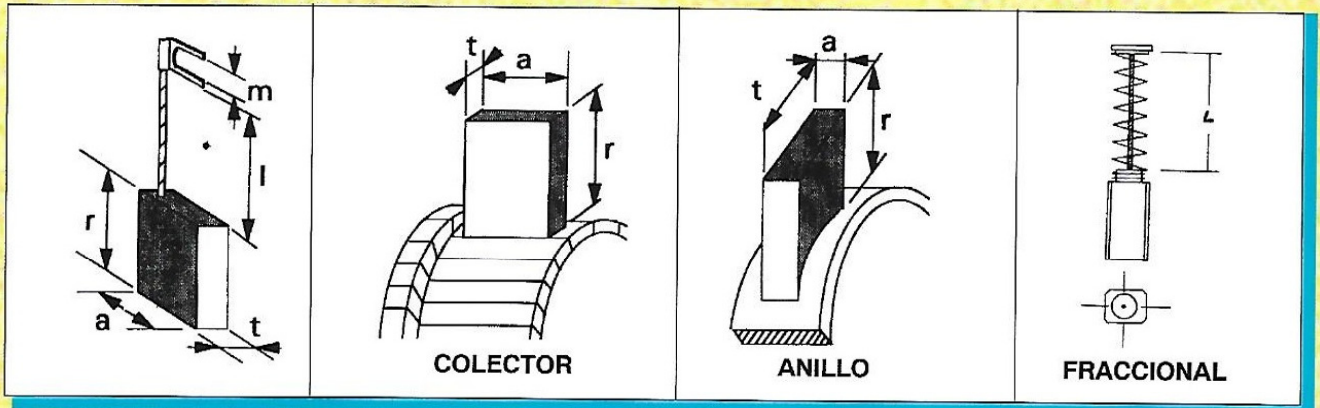
## Aplicaciones.

- Motores eléctricos de la industria en general.
- Siderúrgicas y laminaciones.
- Carretillas elevadoras eléctricas.
- Pequeña maquinaria de herramienta eléctrica, como taladros, lijadoras, amoladoras, etc...

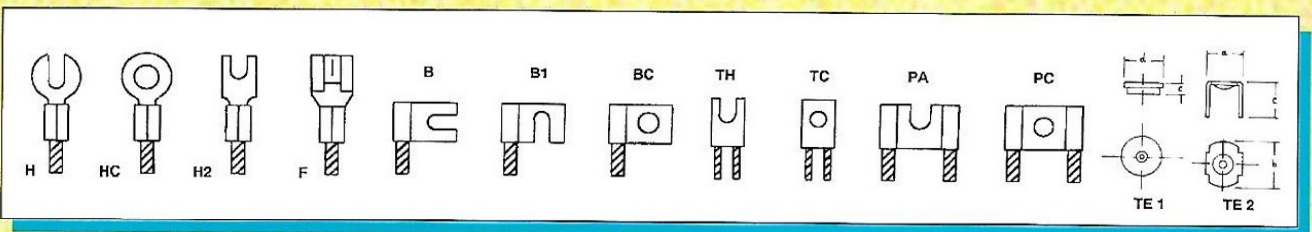
- Motores de electrodomésticos como, lavadoras, molinillos, aspiradoras, etc...
- Distintos motores integrados en el automóvil.



## ESCOBILLAS PARA MOTORES INDUSTRIALES Y FRACCIONALES



## TIPOS DE TERMINALES



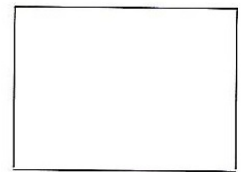
### DATOS TECNICOS

Rellenar o marcar « x » en cada casilla según lo requerido

Dibujo n.º:  (Modelos en pág. adjuntas). Si no tiene modelo, dibuje un esquema de la escobilla en este recuadro

Dimensiones:  $t$   mm  $a$   mm  $r$   mm

Longitud del cable:  $l$   mm aislado  sin aislar



Tipo de terminal: dibujo n.º  otro   $\varnothing$  orificio/abertura del terminal  mm

Escobilla fraccional

$\varnothing$  muelle ext.  m/m  $\varnothing$  hilo  m/m n.º espiras total

Caperuza tipo TE1  TE2

Fabricante de la máquina:

Tipo:

Tipo de máquina: Motor  Generador

Corriente: continua (CC)  alterna (AC)  colector  anillo

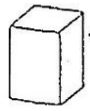
Potencia:  Kw/cv Tensión:  v. Intensidad  amp. rpm

Intensidad en el rotor:  amp. Tensión en el rotor:  v.

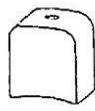
N.º de polos anillos  N.º de escobillas por polo / anillo  Calidad

Descripción de la máquina:  Ref. cliente





1



2



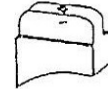
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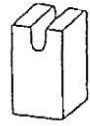
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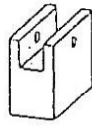
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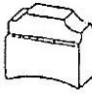
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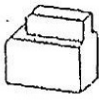
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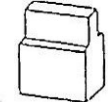
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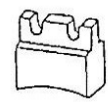
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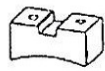
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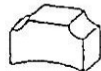
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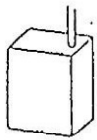
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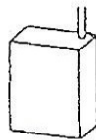
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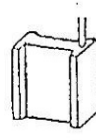
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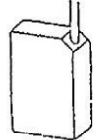
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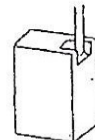
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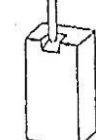
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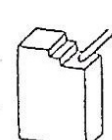
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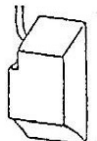
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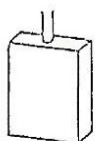
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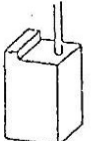
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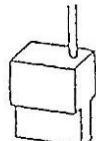
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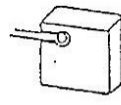
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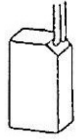
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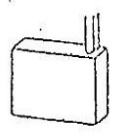
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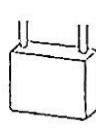
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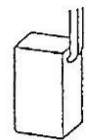
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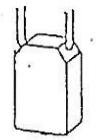
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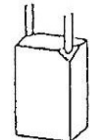
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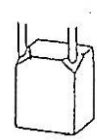
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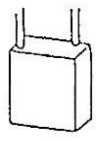
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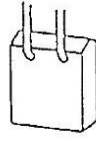
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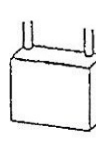
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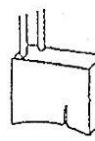
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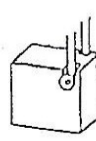
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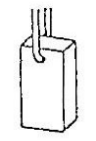
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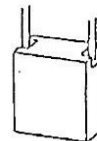
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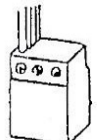
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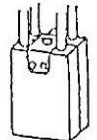
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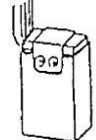
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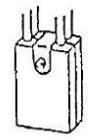
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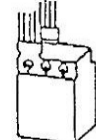
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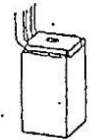
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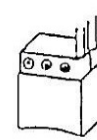
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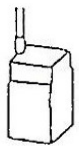
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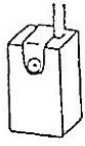
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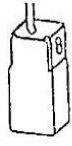
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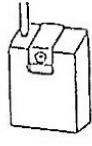
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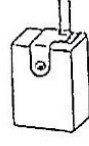
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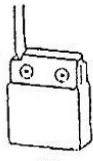
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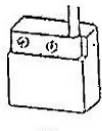
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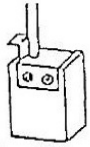
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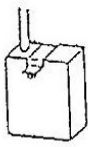
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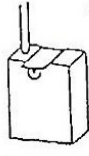
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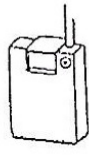
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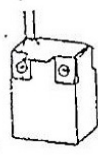
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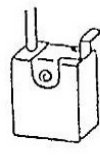
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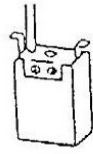
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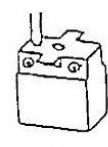
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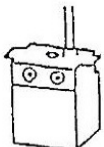
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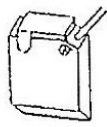
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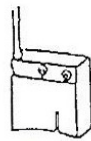
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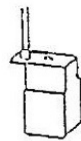
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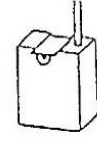
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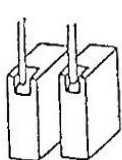
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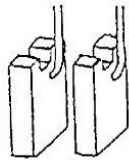
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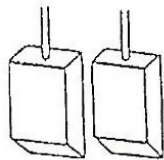
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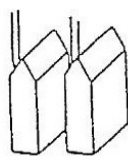
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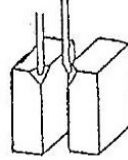
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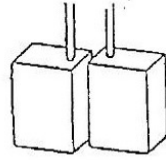
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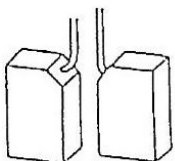
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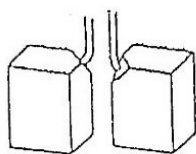
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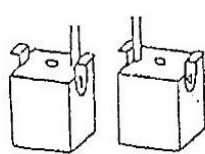
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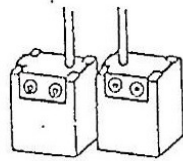
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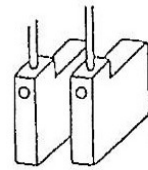
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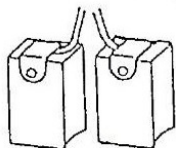
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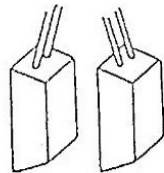
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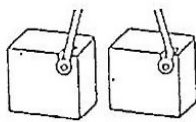
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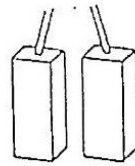
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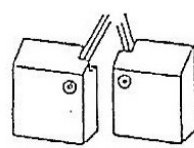
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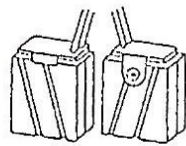
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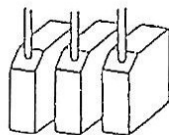
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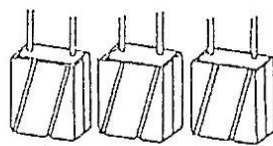




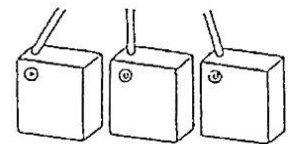
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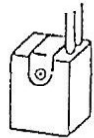
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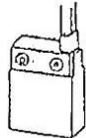
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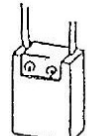
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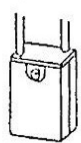
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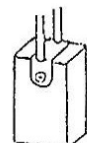
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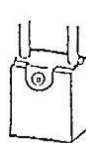
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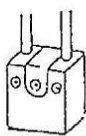
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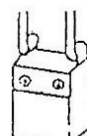
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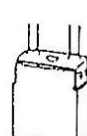
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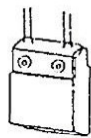
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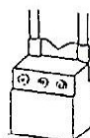
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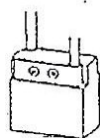
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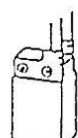
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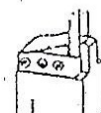
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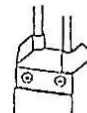
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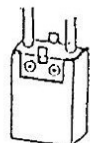
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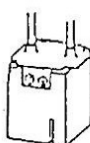
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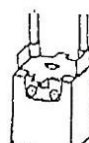
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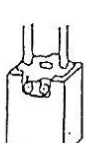
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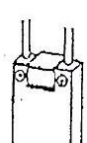
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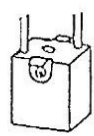
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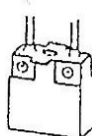
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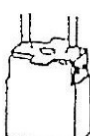
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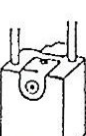
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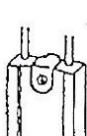
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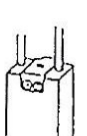
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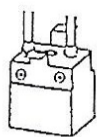
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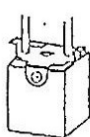
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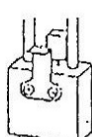
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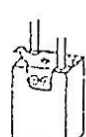
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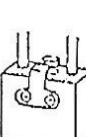
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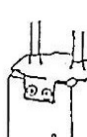
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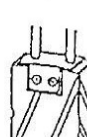
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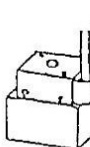
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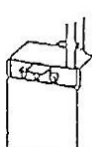
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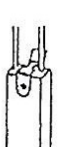
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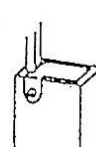
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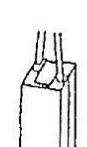
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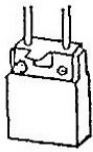
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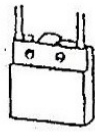
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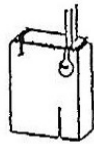
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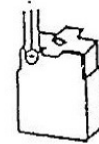
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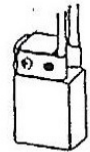
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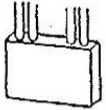
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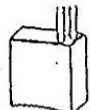
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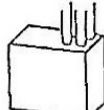
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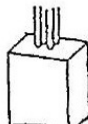
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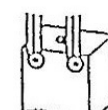
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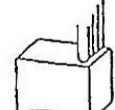
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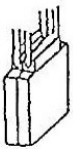
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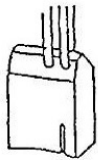
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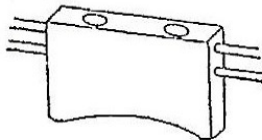
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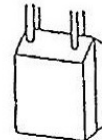
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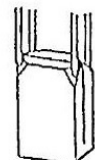
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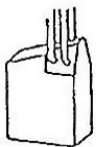
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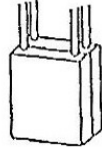
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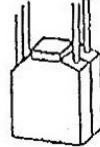
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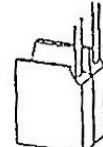
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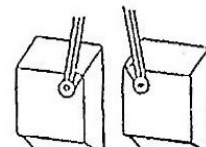
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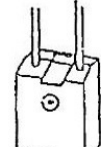
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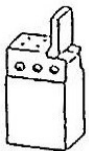
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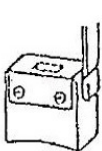
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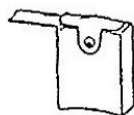
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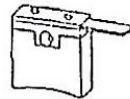
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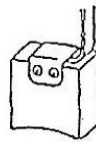
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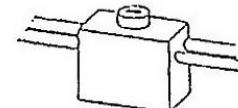
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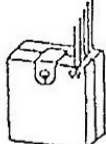
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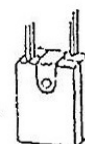
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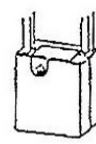
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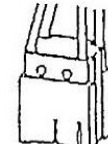
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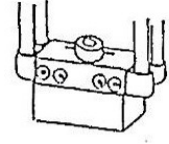
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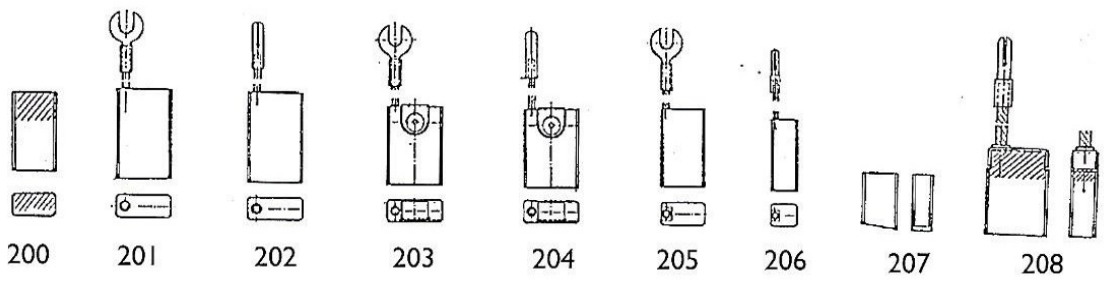


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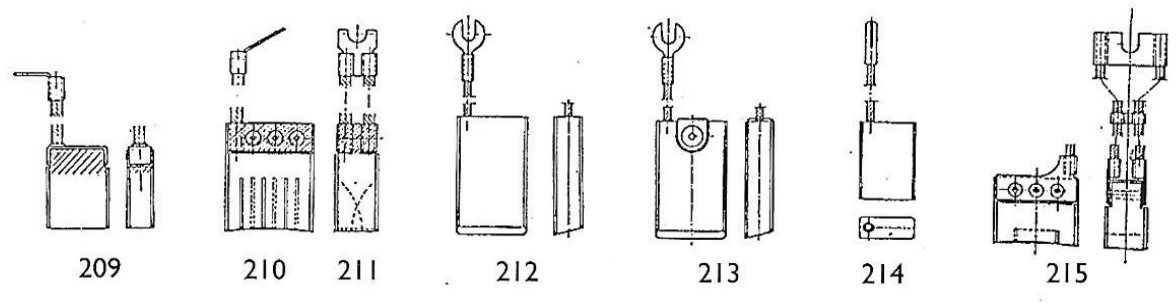


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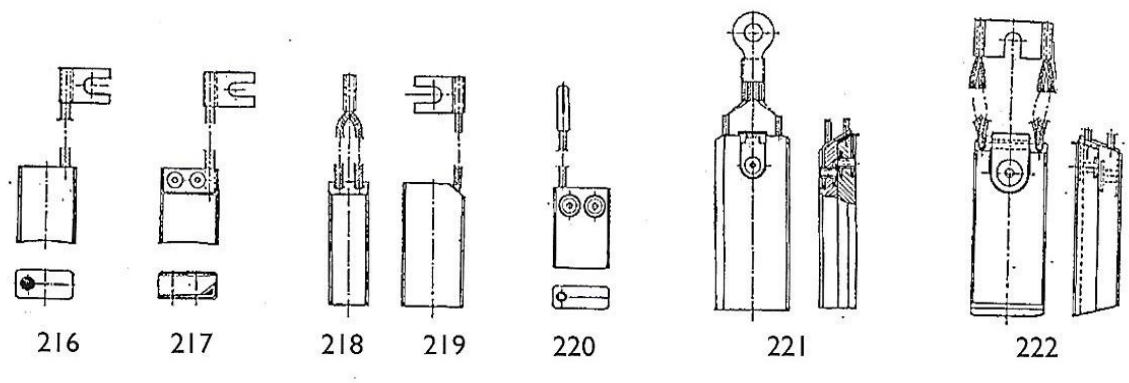




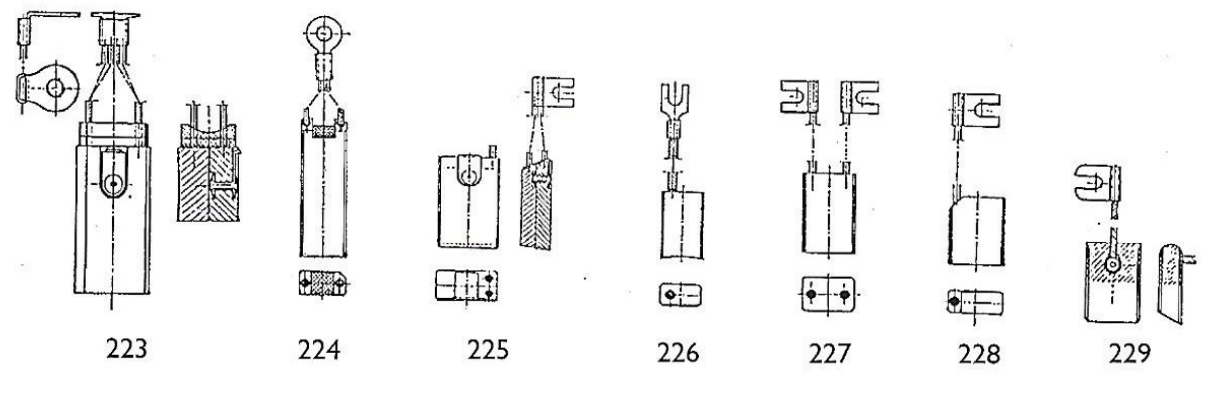
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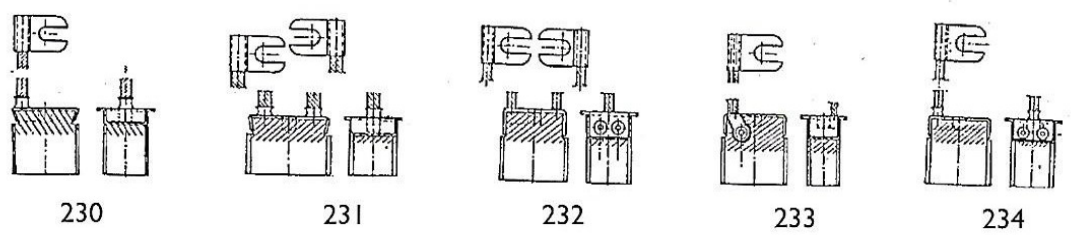
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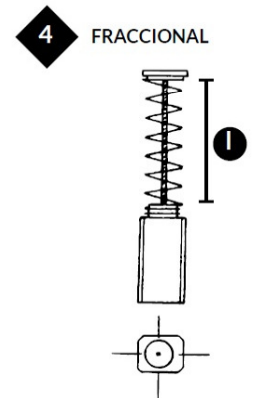
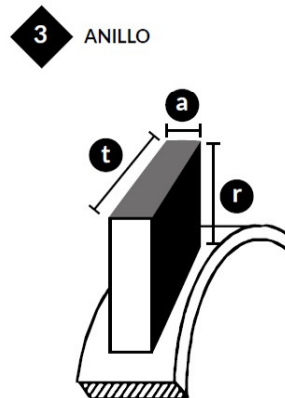
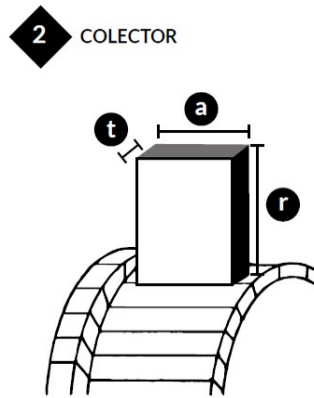
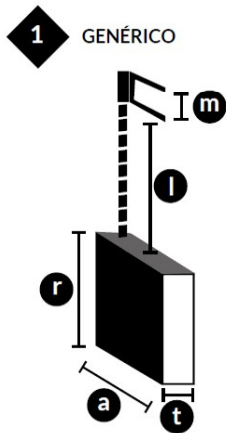


223 224 225 226 227 228 229



230 231 232 233 234

Empresa / Nombre \_\_\_\_\_ E-mail \_\_\_\_\_  
 Contacto \_\_\_\_\_ Teléfono \_\_\_\_\_



Medidas en mm:

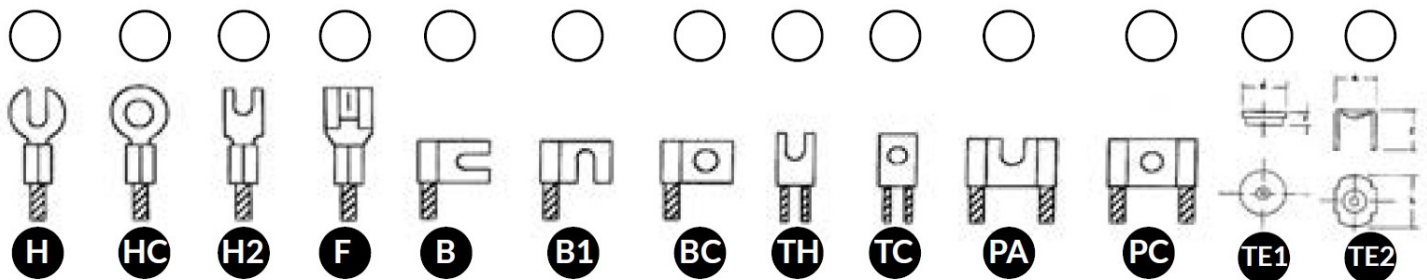
t: \_\_\_\_\_  
 a: \_\_\_\_\_  
 r: \_\_\_\_\_  
 m: \_\_\_\_\_  
 l: \_\_\_\_\_

**5** CROQUIS ESCOBILLA Describalo brevemente y/o mándenos una foto o dibujo

Número de cables:

aislado  sin aislar

Marque el tipo de terminal que más se parece:



Caperuza:

Otro:

Otros datos técnicos necesarios: (rellene todo lo que le sea posible)

Fabricante de la máquina \_\_\_\_\_ Tipo \_\_\_\_\_ Descripción \_\_\_\_\_

Motor \_\_\_\_\_ Generador \_\_\_\_\_ Corriente: Continua - DC  Alterna - AC  Colector  Anillo

Potencia (Kw/cv) \_\_\_\_\_ Tensión (v) \_\_\_\_\_ Intensidad (amp) \_\_\_\_\_ rpm \_\_\_\_\_

Intensidad del rotor (amp) \_\_\_\_\_ Tensión en el rotor ( $V_r$ ) \_\_\_\_\_ Nº de polos/anillos \_\_\_\_\_

Nº escobillas por polo / anillo \_\_\_\_\_ Calidad \_\_\_\_\_ Cantidad Total \_\_\_\_\_ Ref. Cliente \_\_\_\_\_

Comentarios: