

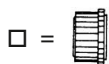
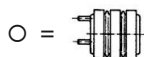
# SPAZZOLE INDUSTRIALI

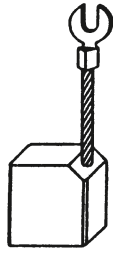
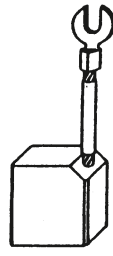
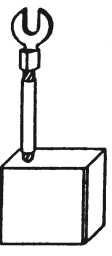
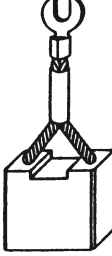
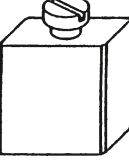
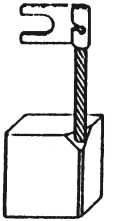
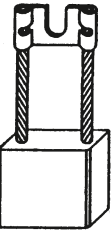
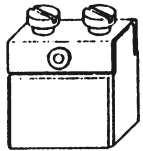
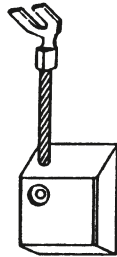
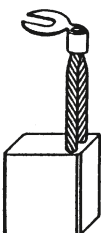
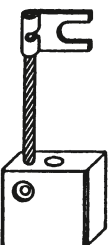
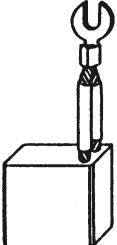
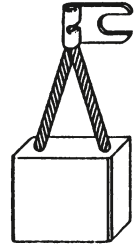
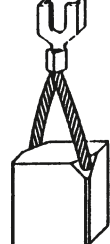
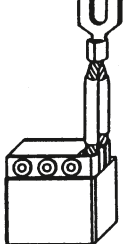

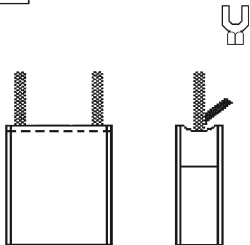
## INDUSTRIAL BRUSHES

| Articolo<br>Art.             | Dimensioni<br>Dimensions |        |        | Materiale<br>Material          | Qualità<br>Model | Fig.<br>Fig. | LL. cavo<br>mm.<br>LL. cable<br>mm. | Diam. Ø<br>cavo<br>Cable Ø<br>diam. | Vite<br>bloccagg.<br>Locking<br>screw | Costruttore<br>Manufacturer |                   | *  |
|------------------------------|--------------------------|--------|--------|--------------------------------|------------------|--------------|-------------------------------------|-------------------------------------|---------------------------------------|-----------------------------|-------------------|----|
|                              | S<br>T                   | L<br>W | A<br>H |                                |                  |              |                                     |                                     |                                       |                             |                   |    |
| <b>708</b>                   | 16                       | 25     | 35     | metalconcane metal-carbon      | M70              | 6            | 80                                  | 4.5                                 | 6                                     | ASEA                        | ASEA              | ○  |
| • <b>710</b><br><b>(709)</b> | 16                       | 25     | 40     | elettrografite electrographite | EG571            | 146          | 110                                 | 3.5                                 | 6                                     | COSTRUTT. VARI              | VARIOUS MANUFACT. | □  |
| <b>711</b>                   | 16                       | 32     | 30     | elettrografite electrographite | M5X              | 11           | 80                                  | 3.5                                 | 6                                     | OM                          | OM                | □○ |
| <b>712</b>                   | 16                       | 32     | 30     | metalconcane metal-carbon      | M70              | 11           | 80                                  | 4                                   | 6                                     | ELETAR/OM                   | ELETAR/OM         | ○  |
| <b>713</b>                   | 16                       | 32     | 32     | elettrografite electrographite | EG283            | 133          | 85                                  | 3.1                                 | 8                                     | SIEMENS                     | SIEMENS           | □  |
| <b>714</b>                   | 16                       | 32     | 32     | elettrografite electrographite | EG283            | 75           | 80                                  | 3.1                                 | 6                                     | ANSALDO                     | ANSALDO           | □  |
| <b>717</b>                   | 16                       | 32     | 35     | bronzo-carbone bronze-carbon   | M85              | 13           | -                                   | -                                   | 6ma                                   | -                           | -                 | ○  |
| <b>718</b>                   | 16                       | 32     | 40     | elettrografite electrographite | EG283            | 75           | 90                                  | 3.1                                 | 8                                     | ANSALDO                     | ANSALDO           | □  |
| <b>719</b>                   | 16                       | 32     | 40     | metalconcane metal-carbon      | M75              | 9            | 90                                  | 5                                   | 8                                     | ANSALDO/MARELLI             | ANSALDO/MARELLI   | ○  |
| <b>720</b>                   | 16                       | 32     | 40     | metalconcane metal-carbon      | M70              | 6            | 85                                  | 5                                   | 9                                     | COSTRUTT. VARI              | VARIOUS MANUFACT. | ○  |
| <b>721</b>                   | 16                       | 32     | 40     | bronzo-carbone bronze-carbon   | M85              | 8            | 85                                  | 5                                   | 9                                     | -                           | -                 | ○  |
| <b>722</b>                   | 16                       | 32     | 40     | metalconcane metal-carbon      | M70              | 168          | 112                                 | 5                                   | 8                                     | -                           | -                 | ○  |
| <b>723</b>                   | 16                       | 32     | 40     | elettrografite electrographite | EG571            | 75           | 100                                 | 3.5                                 | 6                                     | ANSALDO                     | ANSALDO           | □  |
| <b>811</b>                   | 16                       | 32     | 45     | elettrografite electrographite | EG571            | 238          | 75                                  | 3.4                                 | 6.5                                   | CEAR                        | CEAR              | □  |
| <b>724</b>                   | 16                       | 37     | 35     | elettrografite electrographite | M5X              | 153          | 67                                  | 4                                   | 8                                     | CESAB                       | CESAB             | □○ |
| <b>725</b>                   | 16                       | 38     | 60/42  | elettrografite electrographite | EG283            | 114          | 65                                  | 5                                   | 6                                     | ANSALDO                     | ANSALDO           | □  |
| <b>727</b>                   | 16                       | 40     | 40     | metalconcane metal-carbon      | M70              | 105          | -                                   | -                                   | 6ma                                   | SIEMENS                     | SIEMENS           | ○  |
| <b>728</b>                   | 16                       | 40     | 45     | metalconcane metal-carbon      | M70              | 8            | 120                                 | 5.5                                 | 9                                     | -                           | -                 | ○  |
| <b>731</b>                   | 20                       | 20     | 32     | elettrografite electrographite | EG283            | 52           | 60                                  | 4                                   | 5                                     | ANSALDO                     | ANSALDO           | □  |
| <b>732</b>                   | 20                       | 20     | 32     | metalconcane metal-carbon      | M70              | 151          | 90                                  | 3.5                                 | 6                                     | ELETAR                      | ELETAR            | ○  |
| <b>735</b>                   | 20                       | 20     | 40     | elettrografite electrographite | M5X              | 156          | 80                                  | 3.1                                 | 7                                     | ELIN                        | ELIN              | □○ |

\* I simboli (○ □) stanno ad indicare su quali tipi di collettori vanno montate le spazzole.  
The symbols (○ □) indicate on which types of collector the brushes are to be mounted.

- Articoli unificati  
Unified articles



|  |  |   |  |
|--|--|---|--|
| <p>.. 6</p>   | <p>.. 8</p>   | <p>.. 9</p>   | <p>. 11</p>   |
| <p>. 13</p>   | <p>. 52</p>   | <p>. 75</p>   | <p>105</p>    |
| <p>114</p>   | <p>133</p>   | <p>146</p>   | <p>151</p>   |
| <p>153</p>  | <p>156</p>  | <p>168</p>  | <p>189</p>  |
| <p>238</p>  |  |   |  |

# CARATTERISTICHE DELLE QUALITA' USATE NELLA COSTRUZIONE DELLE SPAZZOLE

| CODICE                   | CARATTERISTICHE  |
|--------------------------|--|
| <b>EG224</b>             | ELETTROGRAFITE USATA PER CARRELLI ELEVATORI ED ALTE VELOCITA'  |
| <b>EG236S-EG263-G163</b> | ELETTROGRAFITE PER USO GENERALE, MOTORI E GENERATORI IN C.C. ED ALTE VELOCITA'   |
| <b>EG251</b>             | ELETTROGRAFITE PER ALTE VELOCITA' E CARICHI VARIABILI  |
| <b>EG259</b>             | ELETTROGRAFITE. BUONE PROPRIETA' DI COMMUTAZIONE E BUON FUNZIONAMENTO A CARICO LEGGERO PER MACCHINE A CORRENTE RETTIFICATA ALTERNATA ED A C.C. CON ALIMENTAZIONE DA TERMISTORE.  |
| <b>EG269</b>             | ELETTROGRAFITE. MANTIENE UN VALORE DI ATTRITO COSTANTE SU UN AMPIO RANGE DI CONDIZIONI DI CARICO. IDEALE PER APPLICAZIONI DIESEL O ELETTRICHE  |
| <b>EG283</b>             | ELETTROGRAFITE PER USO GENERALE ED ALTE VELOCITA'  |
| <b>EG571</b>             | ELETTROGRAFITE PER ALTE VELOCITA' CON LARGO RANGE DI CARICO, BASSA UMIDITA' ED AMBIENTE CONTAMINATO  |
| <b>IM31</b>              | GRAFITE-BAKELITE CON ALTA CADUTA DI CONTATTO PER MOTORI A VELOCITA' VARIABILE  |
| <b>M19</b>               | METALGRAFITE CON MEDIO CONTENUTO DI RAME   |
| <b>M192</b>              | METALGRAFITE CON MEDIO-ALTO CONTENUTO DI RAME  |
| <b>M5X</b>               | ELETTROGRAFITE PER GENERATORI C.C. CON ALTA VELOCITA' PERIFERICA, PER MOTORI A COLLETTORE A CORRENTE TRIFASE, MOTORI DI TRAZIONE TRANVIARIA DI GRANDE POTENZA, GENERATORI A BASSA TENSIONE, SALDATRICI E PER ANELLI COLLETTORI |
| <b>M70</b>               | METALCARBONE CON MEDIO CONTENUTO DI RAME   |
| <b>M75</b>               | METALCARBONE CON MEDIO-ALTO CONTENUTO DI RAME  |
| <b>M85</b>               | BRONZO-CARBONE CON MEDIO-ALTO CONTENUTO DI RAME  |
| <b>N19X</b>              | ELETTROGRAFITE ALTE VELOCITA' PER CARTIERE, ACCIAIERIE, CON CARICHI MEDIO-BASSI.   |
| <b>SA35</b>              | ELETTROGRAFITE ALTE VELOCITA' PER USO GENERALE E MOTORI IN C.C.  |
| <b>SA45</b>              | ELETTROGRAFITE CON ECCELLENTI PROPRIETA' DI COMMUTAZIONE E PER ALTE VELOCITA'  |

## CHARACTERISTICS OF THE MATERIALS USED IN BRUSH CONSTRUCTION

| <b>CODE</b>              | <b>CHARACTERISTICS</b>  |
|--------------------------|---|
| <b>EG224</b>             | ELECTROGRAPHITE USED FOR LIFT TRUCKS AND HIGH SPEED   |
| <b>EG236S-EG263-G163</b> | ELECTROGRAPHITE FOR GENERAL USE, DC MOTORS AND GENERATORS AND HIGH SPEED  |
| <b>EG251</b>             | ELECTROGRAPHITE FOR HIGH SPEED AND VARIABLE LOADS   |
| <b>EG259</b>             | ELECTROGRAPHITE. WITH GOOD SWITCHING PROPERTIES AND GOOD FUNCTIONING WITH LIGHT LOADS. FOR RECTIFIED AC AND DC MACHINES WITH THERMISTOR POWER SUPPLY  |
| <b>EG269</b>             | ELECTROGRAPHITE. MAINTAINS A CONSTANT FRICTION VALUE IN A WIDE RANGE OF LOAD CONDITIONS. IDEAL FOR DIESEL OR ELECTRICAL APPLICATIONS.   |
| <b>EG283</b>             | ELECTROGRAPHITE FOR GENERAL USE AND HIGH SPEED  |
| <b>EG571</b>             | ELECTROGRAPHITE FOR HIGH SPEED WITH A WIDE LOAD RANGE, LOW HUMIDITY AND REDUCED POLLUTION   |
| <b>IM31</b>              | GRAPHITE-BAKELITE WITH HIGH CONTACT DROP FOR VARIABLE SPEED MOTORS  |
| <b>M19</b>               | METAL GRAPHITE WITH MEDIUM COPPER CONTENT   |
| <b>M192</b>              | METAL GRAPHITE WITH MEDIUM-HIGH COPPER CONTENT  |
| <b>M5X</b>               | ELECTROGRAPHITE FOR DC GENERATORS WITH HIGH PERIPHERAL SPEED, FOR THREEPHASE CURRENT COMMUTATOR MOTORS, HIGH-POWER TRAMWAY TRACTION MOTORS, LOW VOLTAGE GENERATORS, WELDING MACHINES AND SLIP RINGS |
| <b>M70</b>               | METAL CARBON WITH MEDIUM COPPER CONTENT   |
| <b>M75</b>               | METAL CARBON WITH MEDIUM-HIGH COPPER CONTENT  |
| <b>M85</b>               | BRONZE-CARBON WITH MEDIUM-HIGH COPPER CONTENT   |
| <b>N19X</b>              | ELECTROGRAPHITE FOR HIGH SPEED FOR PAPER MILLS AND STEELWORKS WITH MEDIUM-HIGH LOADS  |
| <b>SA35</b>              | ELECTROGRAPHITE FOR HIGH SPEED FOR GENERAL USE AND DC MOTORS  |
| <b>SA45</b>              | ELECTROGRAPHITE WITH EXCELLENT SWITCHING PROPERTIES AND FOR HIGH SPEED  |