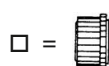
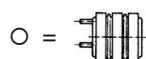


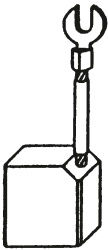
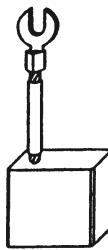
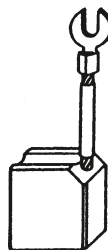
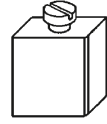
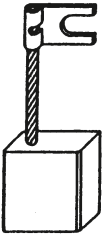
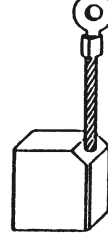
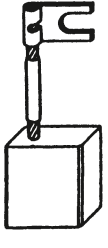
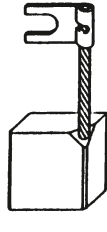
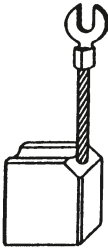
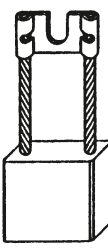
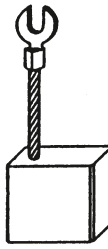

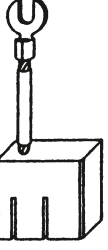
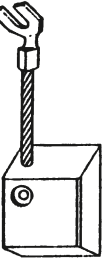
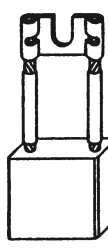
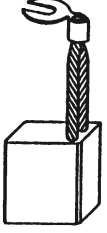
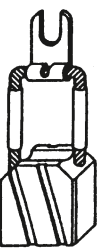
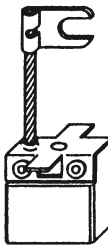
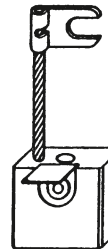


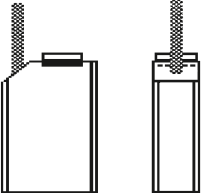
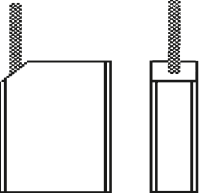

# SPAZZOLE INDUSTRIALI

## INDUSTRIAL BRUSHES

Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
678	12.5	32	32	elettrografite <i>electrographite</i>	EG283	133	75	2.8	8	SIEMENS	SIEMENS	□
679	12.5	32	38	metallgrafite <i>metal-graphite</i>	M19	134	85	3.1	7	LINDE	LINDE	○
680	12.5	32	40	elettrografite <i>electrographite</i>	EG571	75	100	3.1	6	-	-	□
681	12.5	32	40	elettrografite <i>electrographite</i>	EG283	8	85	3.1	9	SICME	SICME	□
682	12.5	32	40	elettrografite <i>electrographite</i>	G163	127	100	2.4	6	ANSALDO	ANSALDO	□
810	12.5	32	40	elettrografite <i>electrographite</i>	EG283	237	80	3.2	6.5	ABB	ABB	□
821	12.5	32	40	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	5ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
683	12.5	38	65/51	elettrografite <i>electrographite</i>	EG283	114	65	4	6	ANSALDO	ANSALDO	□
684	15	20	25	metallcarbonte <i>metal-carbon</i>	M70	95	-	-	-	T.I.B.B.	T.I.B.B.	○
685	15	20	30	elettrografite <i>electrographite</i>	EG236S	42	75	3.1	4	E. MARELLI	E. MARELLI	□
686	15	20	32	metallcarbonte <i>metal-carbon</i>	M70	12	90	5	6	ELETAR	ELETAR	○
687	15	20	32	elettrografite <i>electrographite</i>	EG263	12	100	4	6	ELETAR/OM	ELETAR/OM	□
688	15	20	35	elettrografite <i>electrographite</i>	EG571	56	80	3.1	5	ELETAR/OM	ELETAR/OM	□
689	15	25	25	elettrografite <i>electrographite</i>	EG571	139	64	3.5	6	T.I.B.B.	T.I.B.B.	□
690	15	25	25	elettrografite <i>electrographite</i>	EG571	34	64	3.5	6	T.I.B.B.	T.I.B.B.	□
692	15	25	40	elettrografite <i>electrographite</i>	EG571	92	80	3.5	6	COSTRUTT. VARI	VARIOUS MANUFACT.	□
694	15	30	30	elettrografite <i>electrographite</i>	EG571	140	90	4.5	7	T.I.B.B.	T.I.B.B.	□
695	15	30	30	metallcarbonte <i>metal-carbon</i>	M70	141	102/92	3.1	7	T.I.B.B.	T.I.B.B.	○
696	15	30	35	elettrografite <i>electrographite</i>	EG571	143	89	2.8	8	T.I.B.B.	T.I.B.B.	□
697	15	30	35	elettrografite <i>electrographite</i>	EG236S	42	75	3.5	4	E. MARELLI	E. MARELLI	□
699	15	30	45	bronz-carbone <i>bronze-carbon</i>	M85	41	90	5.5	8	-	-	○
700	15	35	35	elettrografite <i>electrographite</i>	M5X	103	60	4.5	5	FIMET	FIMET	□○
703	16	20	30	bronz-carbone <i>bronze-carbon</i>	M192	240	65	4	5	SPAZZ. PER LAMINATOI	ROLL. MILL BRUSHES	○
704	16	20	32	elettrografite <i>electrographite</i>	EG283	52	60	3.5	5	ANSALDO	ANSALDO	□
705	16	20	35	elettrografite <i>electrographite</i>	EG571	34	75	3.5	6	ANSALDO	ANSALDO	□
706	16	25	32	elettrografite <i>electrographite</i>	M5X	75	62	3.5	7	ESAB	ESAB	□○
707	16	25	32	elettrografite <i>electrographite</i>	EG571	9	75	4	6	ANSALDO	ANSALDO	□

\* 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.*



<p>.. 8</p> 	<p>.. 9</p> 	<p>. 12</p> 	<p>. 13</p> 
<p>. 34</p> 	<p>. 41</p> 	<p>. 42</p> 	<p>. 52</p> 
<p>. 56</p> 	<p>. 75</p> 	<p>. 92</p> 	<p>. 95</p> 
<p>103</p> 	<p>114</p> 	<p>127</p> 	<p>133</p> 
<p>134</p> 	<p>139</p> 	<p>140</p> 	<p>141</p> 
<p>143</p> 	<p>237</p> 	<p>240</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