

NELLE PAGINE SEGUENTI:

IN THE FOLLOWING PAGES:

SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES

PORTASPAZZOLE

BRUSH HOLDER

COLLETTORI

SLIP RINGS

PRESE ROTANTI

ROTATING POWER SOCKETS

CARATTERISTICHE DELLE QUALITA' USATE NELLA COSTRUZIONE DELLE SPAZZOLE

CODICE	CARATTERISTICHE
EG224	ELETTROGRAFITE USATA PER CARRELLI ELEVATORI ED ALTE VELOCITA'
EG236S-EG263-G163	ELETTROGRAFITE PER USO GENERALE, MOTORI E GENERATORI IN C.C. ED ALTE VELOCITA'
EG251	ELETTROGRAFITE PER ALTE VELOCITA' E CARICHI VARIABILI
EG259	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.
EG269	ELETTROGRAFITE. MANTIENE UN VALORE DI ATTRITO COSTANTE SU UN AMPIO RANGE DI CONDIZIONI DI CARICO. IDEALE PER APPLICAZIONI DIESEL O ELETTRICHE
EG283	ELETTROGRAFITE PER USO GENERALE ED ALTE VELOCITA'
EG571	ELETTROGRAFITE PER ALTE VELOCITA' CON LARGO RANGE DI CARICO, BASSA UMIDITA' ED AMBIENTE CONTAMINATO
IM31	GRAFITE-BAKELITE CON ALTA CADUTA DI CONTATTO PER MOTORI A VELOCITA' VARIABILE
M19	METALGRAFITE CON MEDIO CONTENUTO DI RAME
M192	METALGRAFITE CON MEDIO-ALTO CONTENUTO DI RAME
M5X	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
M70	METALCARBONE CON MEDIO CONTENUTO DI RAME
M75	METALCARBONE CON MEDIO-ALTO CONTENUTO DI RAME
M85	BRONZO-CARBONE CON MEDIO-ALTO CONTENUTO DI RAME
N19X	ELETTROGRAFITE ALTE VELOCITA' PER CARTIERE, ACCIAIERIE, CON CARICHI MEDIO-BASSI.
SA35	ELETTROGRAFITE ALTE VELOCITA' PER USO GENERALE E MOTORI IN C.C.
SA45	ELETTROGRAFITE CON ECCELLENTI PROPRIETA' DI COMMUTAZIONE E PER ALTE VELOCITA'

CHARACTERISTICS OF THE MATERIALS USED IN BRUSH CONSTRUCTION

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

SPAZZOLE INDUSTRIALI

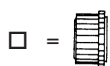
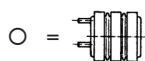
INDUSTRIAL BRUSHES

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									
501	5	8	13	bronzo-carbone <i>bronze-carbon</i>	M192	1	-	-	-	COSTRUTT. VARI VARIOUS MANUFACT.	○	
502	5	10	16	bronzo-carbone <i>bronze-carbon</i>	M85	1	-	-	-	COSTRUTT. VARI VARIOUS MANUFACT.	○	
503	5	20	25	elettrografite <i>electrographite</i>	EG571	2	86	1.5	5	ISEA ISEA	□	
504	5	20	25	elettrografite <i>electrographite</i>	EG236S	4	70	1.7	6	- -	□	
506	6	8	25	elettrografite <i>electrographite</i>	EG236S	5	35	1	4	MARELLI MARELLI	□	
507	6	12	25	elettrografite <i>electrographite</i>	EG283	8	50	1.5	3	- -	□	
508	6	12.5	22	elettrografite <i>electrographite</i>	M5X	3	54	1.5	5	CARRELLI LINDE LINDE FORKLIFTS	□	
509	6	16	25	elettrografite <i>electrographite</i>	EG283	6	55	1.5	5	SICME SICME	□	
• 511 (510)	6	20	25	elettrografite <i>electrographite</i>	EG236S	12	60	1.9	4	ELETAR ELETAR	□	
512	6	22	21.5	metalfgrafite <i>metal-graphite</i>	M19	15	38/30	1.9	4	BOSCH-AMER-CFR BOSCH-AMER-CFR	□	
513	6	25	25	grafite-bakelite <i>graphite-bakelite</i>	IM31	16	60	2.4	4	M.B.M. M.B.M.	□	
514	6	25	25	grafite-bakelite <i>graphite-bakelite</i>	IM31	17	52	2.4	4	T.I.B.B. T.I.B.B.	□	
515	6	25	31	elettrografite <i>electrographite</i>	M5X	18	72	1.9	5	CARRELLI VARI VARIOUS FORKLIFTS	□	
516	6	25	35	elettrografite <i>electrographite</i>	M5X	11	80	2.2	6	CARRELLI O.M. O.M. FORKLIFTS	□	
• 519 (517-518)	6	28	30.5	elettrografite <i>electrographite</i>	M5X	73	50	2.2	5	CARRELLI FORKLIFTS	□	
520	6	30	30.5	grafite-bakelite <i>graphite-bakelite</i>	IM31	16	75	2.4	5	M.B.M. M.B.M.	□	
521	6	30	32	elettrografite <i>electrographite</i>	EG269	12	84	2.4	4	ELETAR ELETAR	□	
522	6.2	35	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	24	45	2.2	-	ASEA ASEA	□	
523	6.23	31.9	30	grafite-bakelite <i>graphite-bakelite</i>	IM31	25	45	1.9	4	M.B.M. M.B.M.	□	
524	6.25	20	25	grafite-bakelite <i>graphite-bakelite</i>	IM31	5	45	2.2	6	BAUMULLER BAUMULLER	□	
525	6.3	32	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	29	60	1.9	4	ASEA ASEA	□	
527	6.3	40	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	31	74	1.9	4	ASEA ASEA	□	
528	6.3	40	36	grafite-bakelite <i>graphite-bakelite</i>	IM31	32	85	2.4	4	ASEA ASEA	□	
529	6.4	10	20	elettrografite <i>electrographite</i>	EG571	34	40	1.9	4	ANSALDO ANSALDO	□	
530	6.4	16	32	elettrografite <i>electrographite</i>	EG283	34	74	1.9	6	SIEMENS SIEMENS	□	
532	6.4	25	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	9	74	2.2	4	PILLER PILLER	□	
533	6.4	30	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	35	60	2.4	-	PILLER PILLER	□	
534	6.4	35	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	9	50	2.8	4	PILLER PILLER	□	
500	7	14	18	metalcabone <i>metal-carbon</i>	M70	166	100	2.4	6	COSTRUTT. VARI VARIOUS MANUFACT.	○	
535	7	20	30	elettrografite <i>electrographite</i>	EG236S	19	58	2.4	4	ELETAR ELETAR	□	
536	7	20	25	elettrografite <i>electrographite</i>	EG236S	12	60	1.9	4	ELETAR ELETAR	□	
537	7	25	30	elettrografite <i>electrographite</i>	EG236S	16	60	2.8	4	ELETAR ELETAR	□	
538	7	30	32	elettrografite <i>electrographite</i>	N19X	19	70	2.8	5	ELETAR ELETAR	□	

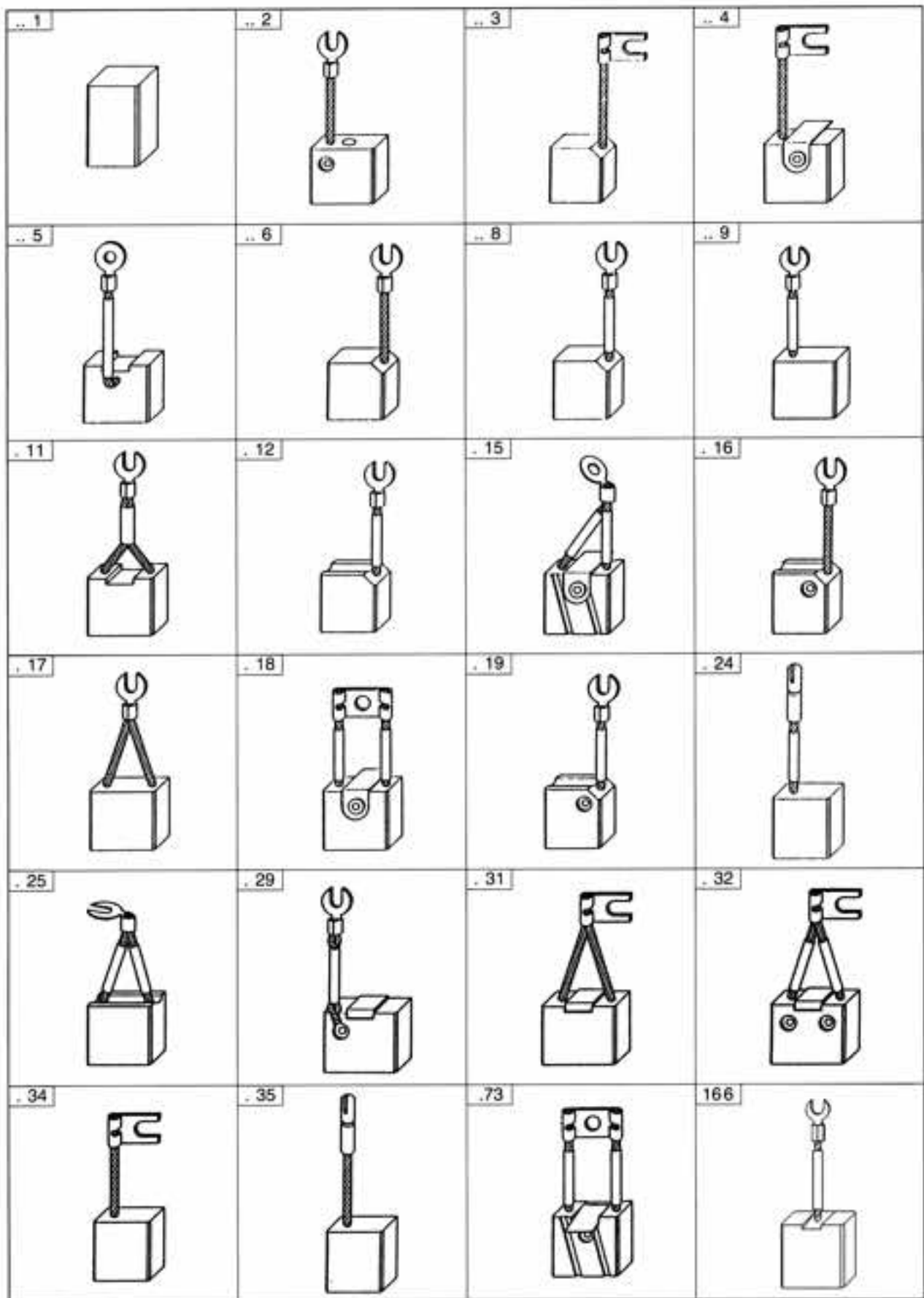
NOVITÀ
NEW

* 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



A richiesta possiamo fornire qualunque tipo di spazzola. Si richiede l'invio del campione.
On request we can supply any kind of brush. Please send sample.



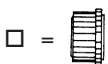
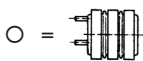
SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES

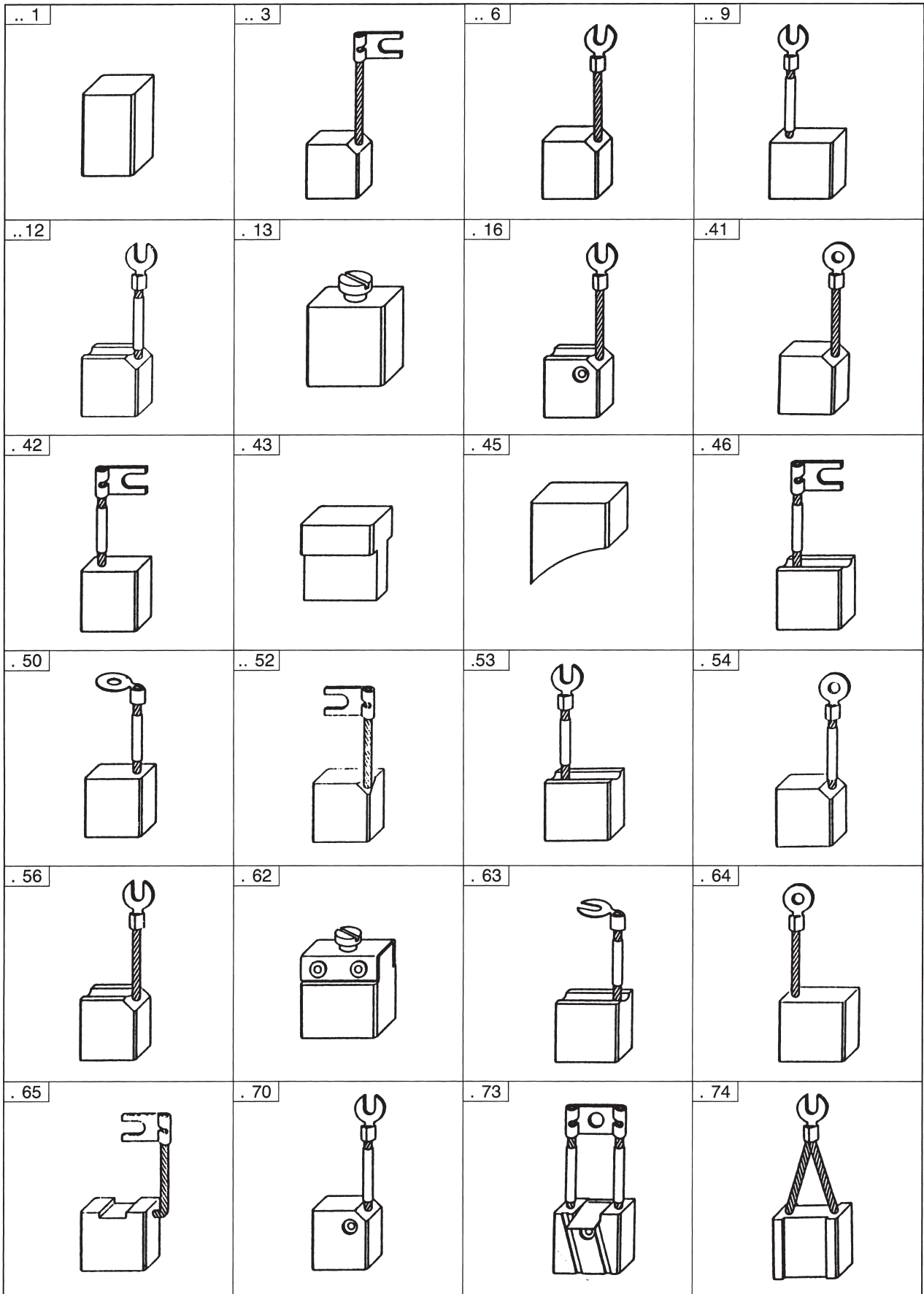
Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
539	8	10	25	elettrografite <i>electrographite</i>	EG571	42	35	1.5	4	E. MARELLI	E. MARELLI	□
540	8	10	25	elettrografite <i>electrographite</i>	EG571	41	48	1.5	4	COSTRUTT. VARI	VARIOUS MANUFACT.	□
541	8/6	12	20	bronzo-carbone <i>bronze-carbon</i>	M192	43	-	-	-	-	-	○
542	8	12.5	22	elettrografite <i>electrographite</i>	M5X	3	54	1.5	5	CARRELLI LINDE	LINDE FORKLIFTS	□
543	8	12.5	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	46	74	1.7	5	SIEMENS	SIEMENS	□
• 544 (546)	8	15	25	metallcarbonte <i>metal-carbon</i>	M70	50	40	2.4	4	E. MARELLI	E. MARELLI	○
545	8	15	25	elettrografite <i>electrographite</i>	EG571	6	42	1.9	4	COSTRUTT. VARI	VARIOUS MANUFACT.	□
547	8	16	20	bronzo-carbone <i>bronze-carbon</i>	M85	1	-	-	-	COSTRUTT. VARI	VARIOUS MANUFACT.	○
548	8	16	20/12	bronzo-carbone <i>bronze-carbon</i>	M85	45	-	-	-	FIMET	FIMET	○
549	8	16	25	elettrografite <i>electrographite</i>	EG224	12	50	2.4	5	ELETAR	ELETAR	□
550	8	16	25	elettrografite <i>electrographite</i>	EG571	9	75	1.7	4	PILLER/SICME	PILLER/SICME	□
551	8	16	25	elettrografite <i>electrographite</i>	EG571	50	60	1.9	4	E. MARELLI	E. MARELLI	□
552	8	16	25	grafite-bakelite <i>graphite-bakelite</i>	IM31	52	63	1.9	6	-	-	□
• 553 (555)	8	16	25	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	3ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
554	8	16	25	elettrografite <i>electrographite</i>	EG571	41	50	1.9	4	SAICEM	SAICEM	□
556	8	16	25	metallcarbonte <i>metal-carbon</i>	M70	54	50	2.4	4	COSTRUTT. VARI	VARIOUS MANUFACT.	○
557	8	16	25	metallcarbonte <i>metal-carbon</i>	M70	41	50	2.4	4	-	-	○
558	8	16	25	elettrografite <i>electrographite</i>	M5X	12	50	2.4	4	-	-	□○
559	8	16	25	metallcarbonte <i>metal-carbon</i>	M70	12	50	2.4	4	M.B.M.-COSTRUTT.VARI	M.B.M.-VARIOUS MANUFACT.	○
560	8	16	27	grafite-bakelite <i>graphite-bakelite</i>	IM31	53	50	1.9	4	M.B.M.	M.B.M.	□
561	8	19	28	grafite-bakelite <i>graphite-bakelite</i>	IM31	3	55	2.2	5	ELEKTRA FARANDAU	ELEKTRA FARANDAU	□
562	8	20	25	elettrografite <i>electrographite</i>	M5X	62	-	-	3ma	-	-	□○
563	8	20	25	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	3ma	ELETAR	ELETAR	○
564	8	20	27	grafite-bakelite <i>graphite-bakelite</i>	IM31	63	50	2.4	5	M.B.M.	M.B.M.	□
565	8	20	30	elettrografite <i>electrographite</i>	EG571	64	75	2.4	4	-	-	□
566	8	20	32	elettrografite <i>electrographite</i>	EG571	65	50	2.4	6	ANSALDO	ANSALDO	□
567	8	25	25	elettrografite <i>electrographite</i>	EG269	9	60	2.4	5	PILLER	PILLER	□
568	8	25	30	elettrografite <i>electrographite</i>	EG269	56	70	2.4	5	ELETAR	ELETAR	□
569	8	25	30	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	3ma	-	-	○
570	8	25	30	elettrografite <i>electrographite</i>	EG236S	16	58	3.1	6	-	-	□
571	8	25	35	grafite-bakelite <i>graphite-bakelite</i>	IM31	70	55	2.4	4	-	-	□
572	8	25	40	elettrografite <i>electrographite</i>	EG571	64	64	2.4	4	COSTRUTT. VARI	VARIOUS MANUFACT.	□
• 573 (574)	8	28	30.5	elettrografite <i>electrographite</i>	M5X	73	50	3.1	5	-	-	□○
575	8	30	25	grafite-bakelite <i>graphite-bakelite</i>	IM31	74	60	1.9	5	T.I.B.B.	T.I.B.B.	□

* 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



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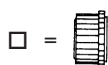
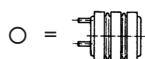
SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES

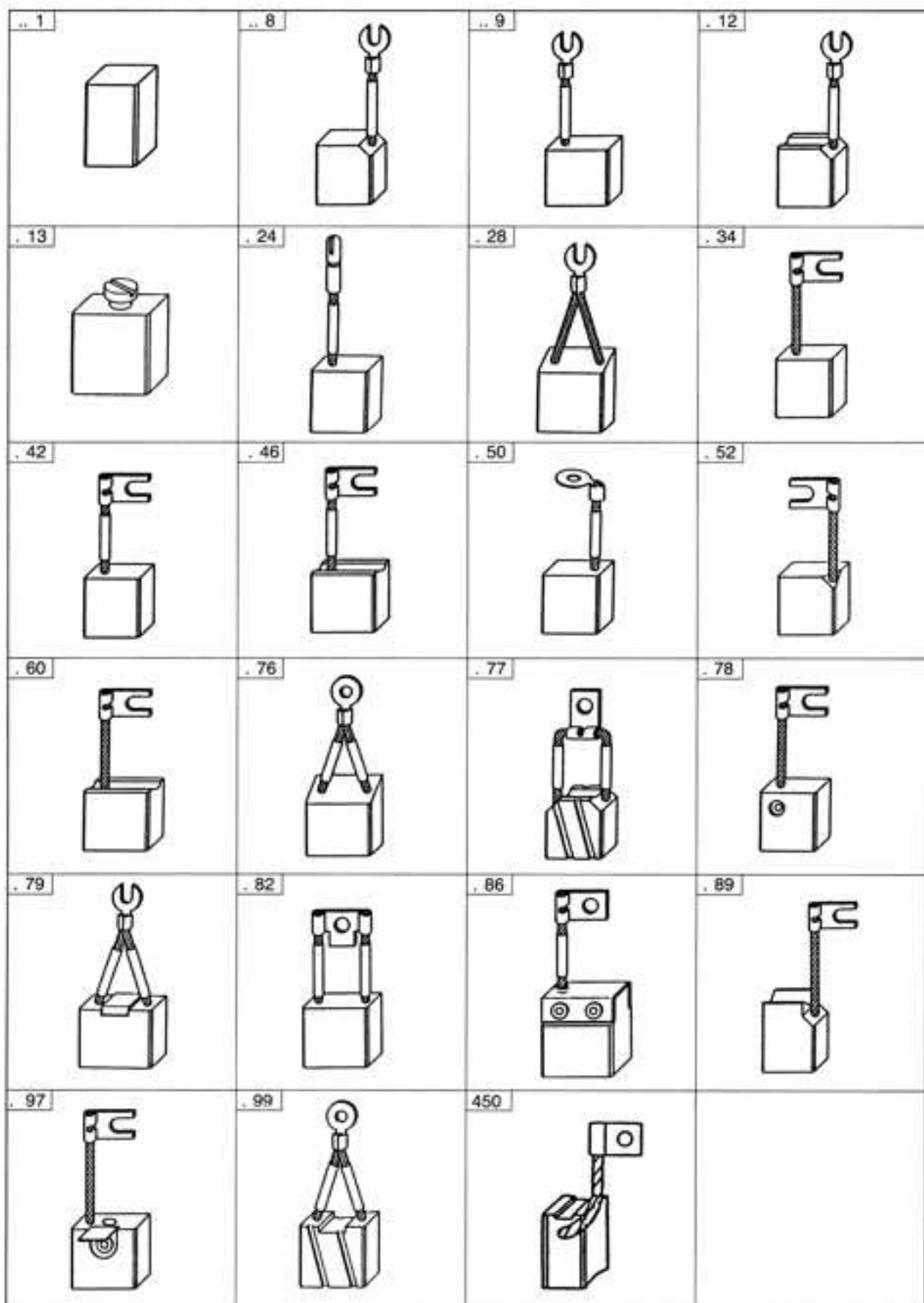
Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
576	8	32	32/28	elettrografite <i>electrographite</i>	M5X	76	74	2.2	6	CARRELLI LINDE	LINDE FORKLIFTS	□
577	8	32	32	elettrografite <i>electrographite</i>	M5X	77	80	2.2	5	CARRELLI LINDE	LINDE FORKLIFTS	□
578	8	32	40	elettrografite <i>electrographite</i>	EG571	78	77	3.1	6	-	-	□
579	8	35	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	24	40	3.1	4	PILLER	PILLER	□
580	8	40	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	79	50	2.2	5	ASEA	ASEA	□
581	8	40	32/28	grafite-bakelite <i>graphite-bakelite</i>	IM31	28	75	2.2	6	ASEA	ASEA	□
582	9	13	23.5	elettrografite <i>electrographite</i>	M5X	450	25	3.1	6	CARRELLI AMRE	AMRE FORKLIFTS	□
583	9	16	20	metallgrafite <i>metal-graphite</i>	M19	82	34	3.1	5	-	-	○
584	10	10	20	elettrografite <i>electrographite</i>	EG571	34	50	1.9	4	-	-	□
585	10	12.5	22	elettrografite <i>electrographite</i>	M5X	86	54	2.4	4	CARRELLI LINDE	LINDE FORKLIFTS	□
586	10	12.5	32	elettrografite <i>electrographite</i>	EG283	52	70	1.9	6	SIEMENS	SIEMENS	□
587	10	15	35	bronzo-carbone <i>bronze-carbon</i>	M85	1	-	-	-	-	-	○
589	10	16	25	elettrografite <i>electrographite</i>	EG283	8	70	2.2	4	SICME	SICME	□
590	10	16	25	elettrografite <i>electrographite</i>	EG283	50	60	2.4	4	E. MARELLI	E. MARELLI	□
591	10	16	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	60	58	1.9	6	SIEMENS	SIEMENS	□
592	10	16	40	elettrografite <i>electrographite</i>	EG283	89	50	2.2	6	ASEA	ASEA	□
593	10	20	20	elettrografite <i>electrographite</i>	M5X	12	50	2.8	5	CARRELLI BOSCH	BOSCH FORKLIFTS	□
594	10	20	25	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	4ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
595	10	20	25	elettrografite <i>electrographite</i>	EG571	97	65	3.1	6	T.I.B.B.	T.I.B.B.	□
596	10	20	26	elettrografite <i>electrographite</i>	M5X	99	45	2.4	5	CFR	CFR	□○
597	10	20	30	elettrografite <i>electrographite</i>	N19X	42	75	2.8	4	E. MARELLI	E. MARELLI	□
598	10	20	32	elettrografite <i>electrographite</i>	EG251	9	70	2.8	5	I.E.G.	I.E.G.	□
599	10	20	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	46	52	2.4	6	SIEMENS	SIEMENS	□
600	10	20	32	elettrografite <i>electrographite</i>	EG283	12	85	3.1	6	ELETAR	ELETAR	□

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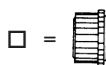
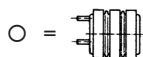
SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES

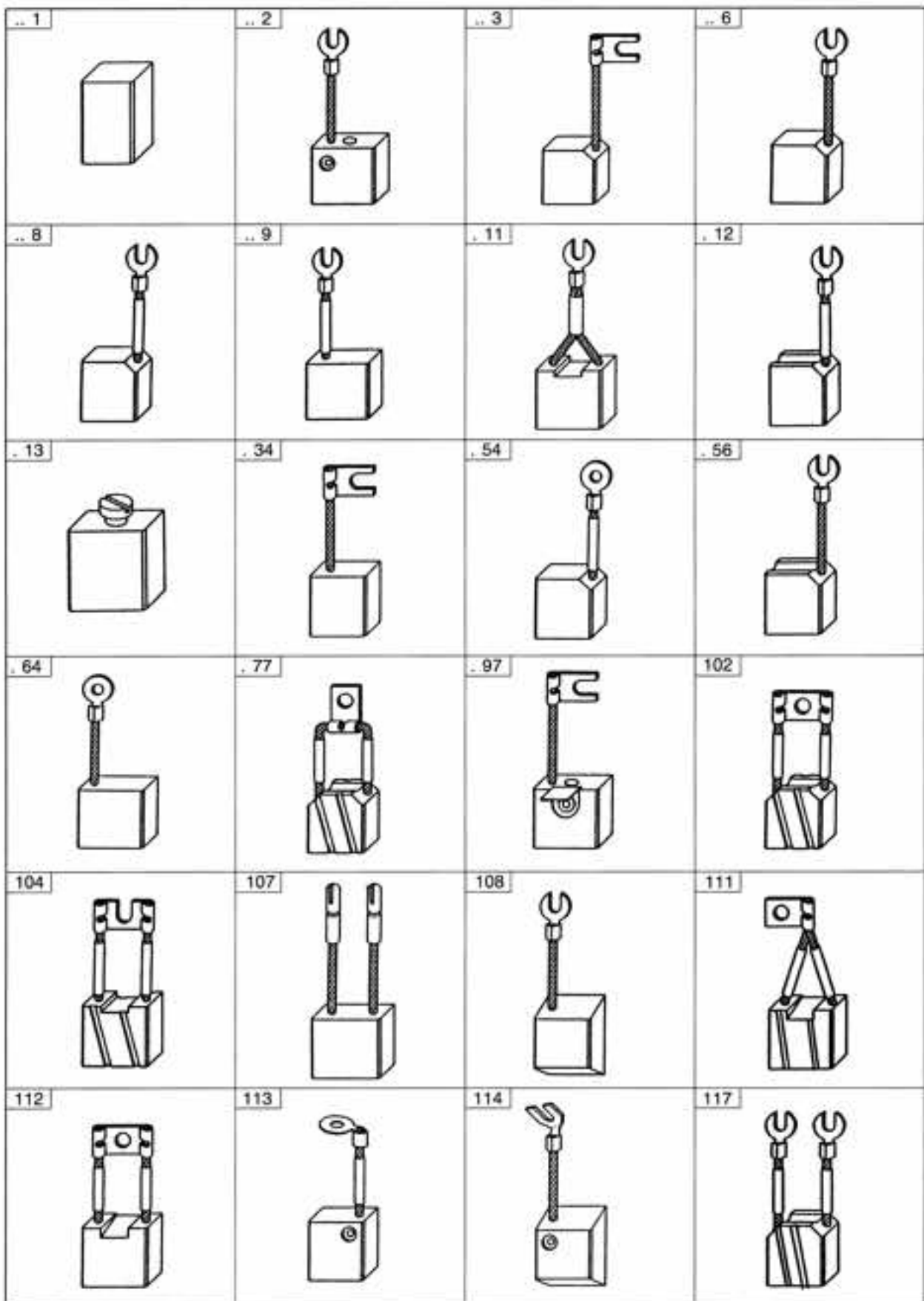
Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
• 602 (601)	10	20	35	metallcarbone metal-carbon	M70	6	72	3.1	5	COSTRUTT. VARI	VARIOUS MANUFACT.	○
603	10	20	35	elettrografite electrographite	EG571	56	63	3.1	5	ELETAR	ELETAR	□
604	10	20	35	elettrografite electrographite	M5X	8	75	2.8	5	-	-	□○
605	10	20	35	metallgrafite metal-graphite	M19	64	73	3.1	5	-	-	○
606	10	20	35	metallcarbone metal-carbon	M70	8	72	3.1	5	COSTRUTT. VARI	VARIOUS MANUFACT.	○
607	10	20	35	elettrografite electrographite	EG251	34	75	2.8	6	ANSALDO	ANSALDO	□
608	10	20	40	elettrografite electrographite	M5X	3	86	2.8	6	ELIN	ELIN	□○
609	10	20	40	elettrografite electrographite	EG571	64	90	2.8	6	-	-	□
610	10	20	45	bronzocarbone bronze-carbon	M85	1	-	-	-	COSTRUTT. VARI	VARIOUS MANUFACT.	○
611	10	25	23	elettrografite electrographite	M5X	102	35	2.2	5	CARRELLI LINDE	LINDE forklifts	□
612	10	25	25	metallcarbone metal-carbon	M70	13	-	-	4ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
613	10	25	25	elettrografite electrographite	EG571	97	48	2.4	6	T.I.B.B.	T.I.B.B.	□
614	10	25	30	bronzocarbone bronze-carbon	M85	13	-	-	4ma	ANSALDO	ANSALDO	○
615	10	25	30	elettrografite electrographite	G163	34	50	2.8	5	ANSALDO	ANSALDO	□
616	10	25	30.5	metallcarbone metal-carbon	M70	104	52	2.8	6	CARRELLI OM	OM forklifts	○
617	10	25	30.5	elettrografite electrographite	M5X	104	52	2.8	6	CFR	CFR	□○
618	10	25	32	elettrografite electrographite	EG283	3	75	2.8	6	ASEA	ASEA	□
619	10	25	32	bronzocarbone bronze-carbon	M85	54	85	4	6	-	-	○
620	10	25	32	elettrografite electrographite	M5X	54	82	3.5	6	-	-	□○
621	10	25	32	elettrografite electrographite	EG571	2	100	3.5	6	ISEA	ISEA	□
622	10	25	32	elettrografite electrographite	M5X	9	65	2.8	6	PILLER	PILLER	□○
623	10	25	32	metallcarbone metal-carbon	M70	12	74	4.5	6	ELETAR	ELETAR	○
624	10	25	35	metallcarbone metal-carbon	M70	54	75	4	6	M.B.M.	M.B.M.	○
625	10	25	35	grafite-bakelite graphite-bakelite	IM31	107	80	3.1	4	ASEA	ASEA	□
626	10	25	36/24	elettrografite electrographite	EG283	108	45	2.8	4	ANSALDO	ANSALDO	□
627	10	25	40	elettrografite electrographite	N19X	12	80	3.1	6	COSTRUTT. VARI	VARIOUS MANUFACT.	□
628	10	26	30.5	metallcarbone metal-carbon	M70	112	35	3.1	5	COSTRUTT. VARI	VARIOUS MANUFACT.	○
629	10	28	30.5	elettrografite electrographite	M5X	111	55	3.1	5	AMRE/CARER	AMRE/CARER	□○
631	10	30	25	elettrografite electrographite	EG571	34	60	3.1	6	T.I.B.B.	T.I.B.B.	□
632	10	30	35	metallcarbone metal-carbon	M70	113	85	3.5	6	E. MARELLI	E. MARELLI	○
633	10	30	35	elettrografite electrographite	M5X	8	75	3.1	5	-	-	□○
634	10	30	40	elettrografite electrographite	EG571	64	82	3.1	5	E. MARELLI	E. MARELLI	□
635	10	30	30	elettrografite electrographite	EG259	97	70	3.1	6	T.I.B.B.	T.I.B.B.	□
636	10	32	30	metallgrafite metal-graphite	M19	11	80	3.1	6	CARRELLI OM	OM FORKLIFTS	○
637	10	32	30	elettrografite electrographite	M5X	11	70	3.5	6	CARRELLI OM	OM FORKLIFTS	□
638	10	32	32	elettrografite electrographite	M5X	77	50	2.8	5	CARRELLI LINDE	LINDE FORKLIFTS	□
639	10	38	55/45	elettrografite electrographite	EG283	114	50	3.5	6	ANSALDO	ANSALDO	□
640	12	20	30	elettrografite electrographite	M5X	117	85	3.1	4	AMRE	AMRE	□○

* 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



A richiesta possiamo fornire qualunque tipo di spazzola. Si richiede l'invio del campione.
On request we can supply any kind of brush. Please send sample.

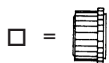
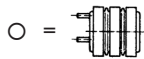


SPAZZOLE INDUSTRIALI

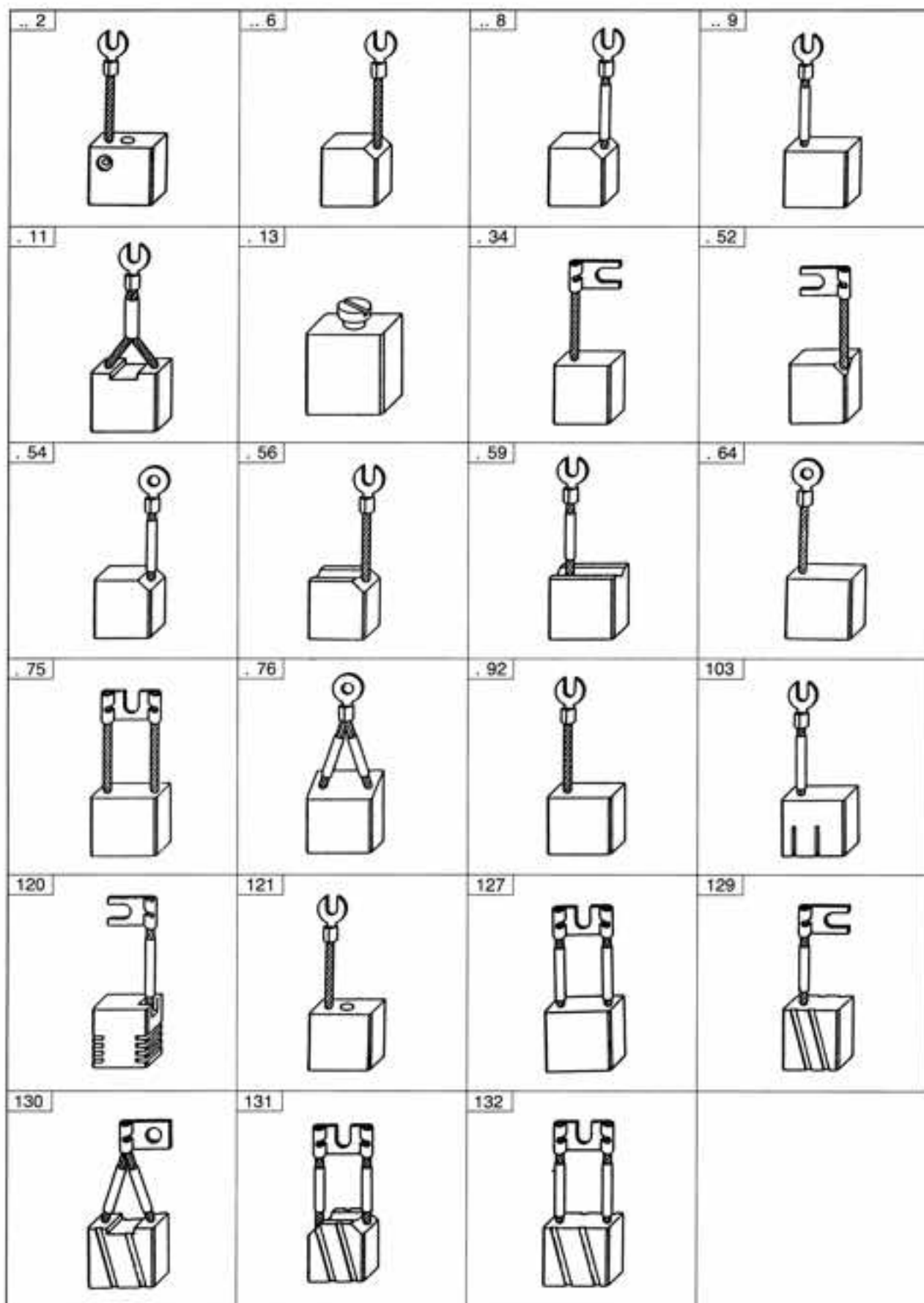
INDUSTRIAL BRUSHES

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									
643	12	20	35	bronzo-carbone <i>bronze-carbon</i>	M85	54	70	4	6	CIFES	CIFES	○
645	12	20	35	elettrografite <i>electrographite</i>	EG571	56	75	3.1	5	ELETAR	ELETAR	□
646	12	20	35	metallgrafite <i>metal-graphite</i>	M19	6	67	3.5	6	-	-	○
647	12	20	35	metallcarbonte <i>metal-carbon</i>	M70	8	67	4	6	M.B.M.	M.B.M.	○
648	12	20	35	elettrografite <i>electrographite</i>	EG571	92	70	3.1	6	COSTRUTT. VARI	VARIOUS MANUFACT.	□
649	12	20	40	elettrografite <i>electrographite</i>	EG571	64	80	3.1	6	COSTRUTT. VARI	VARIOUS MANUFACT.	□
650	12	25	30	bronzo-carbone <i>bronze-carbon</i>	M192	120	70	4.5	5	SPAZ. PER LAMINATOI	ROLL. MILL BRUSHES	○
651	12	25	35	elettrografite <i>electrographite</i>	EG571	56	83	3.5	6	ELETAR	ELETAR	□
652	12	25	40	bronzo-carbone <i>bronze-carbon</i>	M85	6	100	4	6	-	-	○
654	12	25	32	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	5ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
655	12	25	40	metallcarbonte <i>metal-carbon</i>	M70	8	100	4	6	M.B.M.	M.B.M.	○
656	12	30	40	elettrografite <i>electrographite</i>	EG571	64	82	3.5	6	-	-	□
657	12	30	40	elettrografite <i>electrographite</i>	EG571	2	97	3.5	6	ISEA	ISEA	□
658	12	32	32	bronzo-carbone <i>bronze-carbon</i>	M85	13	-	-	5ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
659	12	32	32/28	elettrografite <i>electrographite</i>	M5X	76	70	3.5	6	LEROY	LEROY	□○
660	12	40	45	bronzo-carbone <i>bronze-carbon</i>	M85	13	-	-	5ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
662	12.5	20	32	elettrografite <i>electrographite</i>	EG283	52	60	3.5	6	ANSALDO	ANSALDO	□
663	12.5	20	35	elettrografite <i>electrographite</i>	EG571	34	75	3.1	6	-	-	□
664	12.5	25	30	elettrografite <i>electrographite</i>	M5X	11	70	2.4	6	OM	OM	□○
665	12.5	25	30	elettrografite <i>electrographite</i>	M5X	103	60	3.5	5	FIMET	FIMET	□○
666	12.5	25	32	elettrografite <i>electrographite</i>	EG571	9	60	3.5	6	PILLER	PILLER	□
667	12.5	25	32	metallcarbonte <i>metal-carbon</i>	M70	9	71	4.5	6	ANSALDO/MARELLI	ANSALDO/MARELLI	○
668	12.5	25	32	elettrografite <i>electrographite</i>	M5X	127	74	3.1	6	OM	OM	□○
669	12.5	25	32	elettrografite <i>electrographite</i>	EG571	121	95	3.5	6	ISEA	ISEA	□
670	12.5	25	32	metallgrafite <i>metal-graphite</i>	M19	129	72	4	6	LINDE	LINDE	○
671	12.5	25	32	elettrografite <i>electrographite</i>	M5X	75	62	3.5	6	ESAB	ESAB	□○
820	12.5	25	32	metallcarbonte <i>metal-carbon</i>	M70	13	-	-	5ma	COSTRUTT. VARI	VARIOUS MANUFACT.	○
672	12.5	25	35	elettrografite <i>electrographite</i>	EG283	59	75	3.5	5	COMER	COMER	□
673	12.5	25	35	elettrografite <i>electrographite</i>	M5X	130	54	2.8	5	CFR	CFR	□○
674	12.5	32	25	elettrografite <i>electrographite</i>	M5X	11	80	2.8	5	ELETAR/OM	ELETAR/OM	□○
675	12.5	32	32	elettrografite <i>electrographite</i>	EG263	132	85	2.8	6	ANSALDO	ANSALDO	□
676	12.5	32	32	elettrografite <i>electrographite</i>	M5X	131	74	3.1	6	LINDE	LINDE	□○

* 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.



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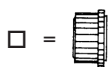
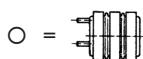


SPAZZOLE INDUSTRIALI

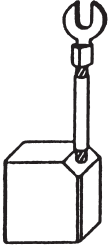
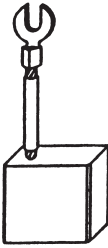
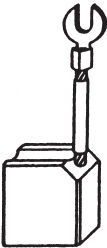
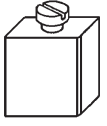
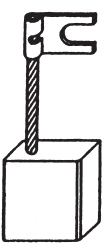
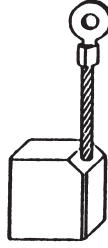
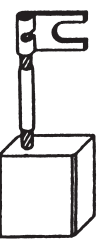
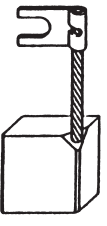
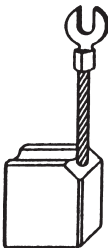
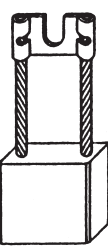
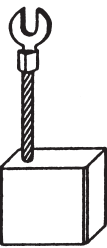

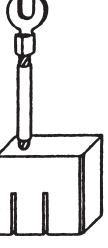
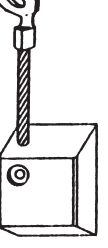
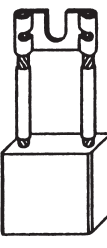
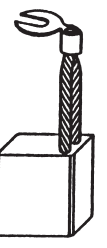
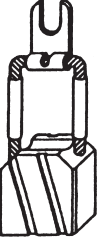
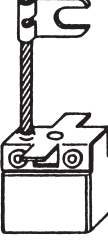
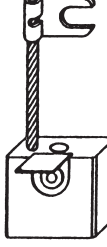


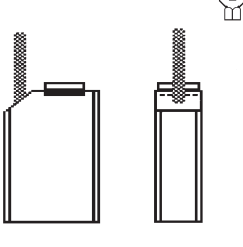
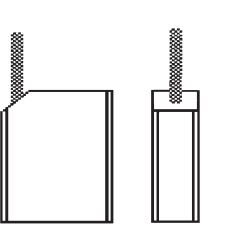
INDUSTRIAL BRUSHES

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.



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

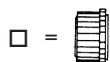
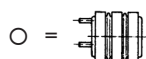
SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES

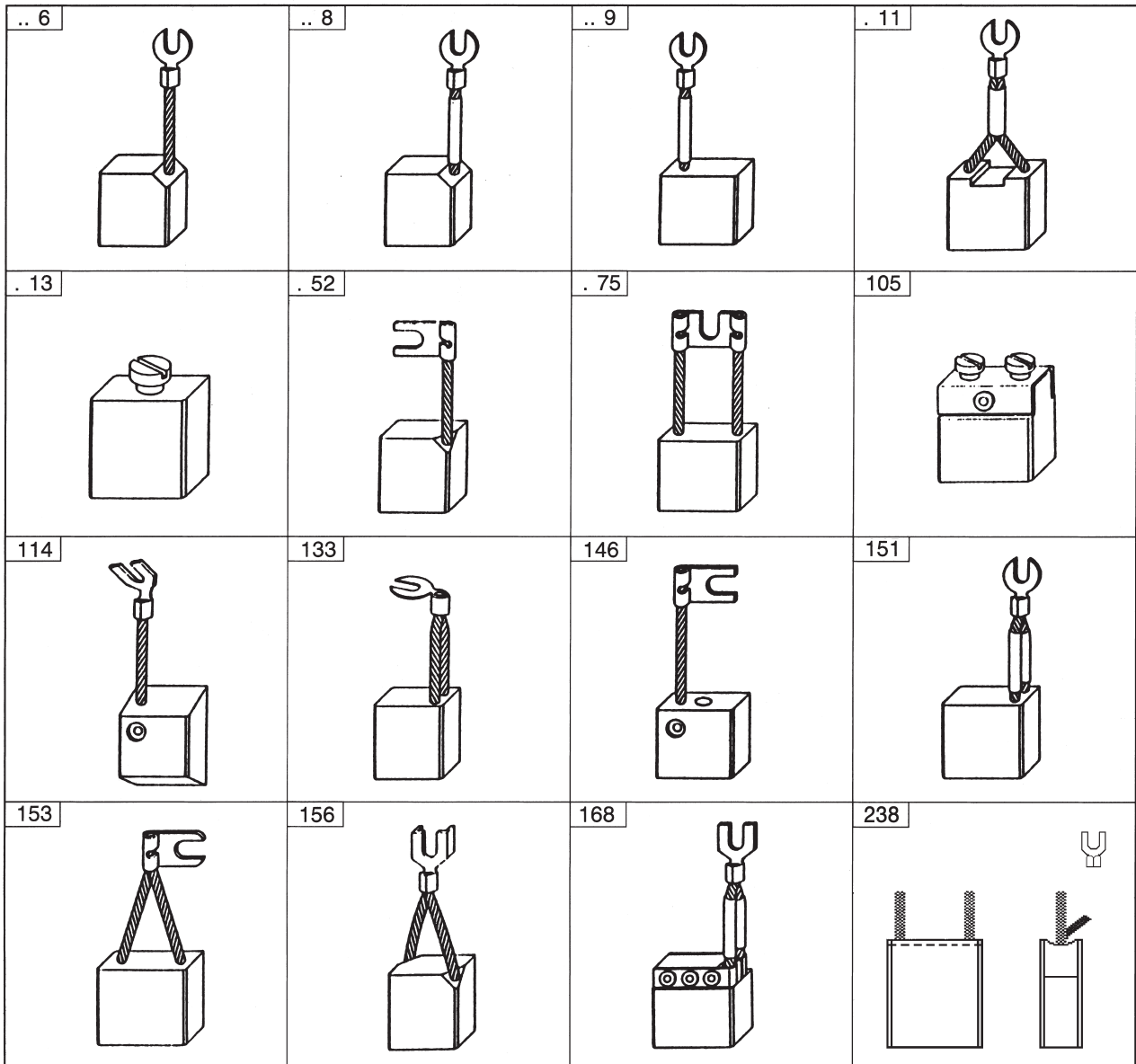
Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
708	16	25	35	metallcarbone <i>metal-carbon</i>	M70	6	80	4.5	6	ASEA	ASEA	○
• 710 (709)	16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



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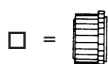
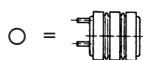
SPAZZOLE INDUSTRIALI

INDUSTRIAL BRUSHES




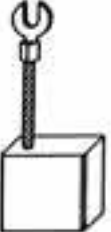


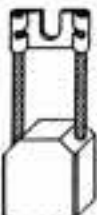


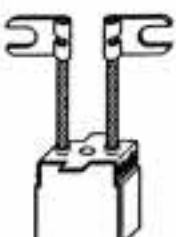




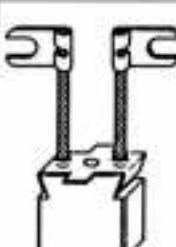





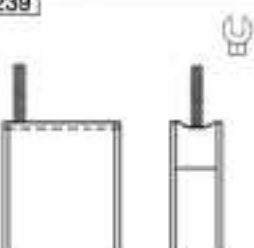
Articolo Art.	Dimensioni Dimensions			Materiale Material	Qualità Model	Fig. Fig.	LL. cavo mm. LL. cable mm.	Diam. Ø cavo Cable Ø diam.	Vite bloccagg. Locking screw	Costruttore Manufacturer		*
	S T	L W	A H									
738	20	25	30	bronzo-carbone <i>bronze-carbon</i>	M192	160	70	5	5	MAGITEX	MAGITEX	○
739	20	25	30	bronzo-carbone <i>bronze-carbon</i>	M192	158	70	5	5	MAGITEX	MAGITEX	○
740	20	30	30	metallcarbonte <i>metal-carbon</i>	M70	161	97	5	7	T.I.B.B.	T.I.B.B.	○
742	20	30	38	metallgrafite <i>metal-graphite</i>	M19	54	115	5.5	8	CIFES	CIFES	○
743	20	30	38	bronzo-carbone <i>bronze-carbon</i>	M85	54	115	5.5	8	CEA	CEA	○
744	20	30	40	metallcarbonte <i>metal-carbon</i>	M70	163	100	4.5	8	ANSALDO	ANSALDO	○
746	20	32	30	metallgrafite <i>metal-graphite</i>	M19	11	80	4	6	ELETAR/OM	ELETAR/OM	○
(747)												
751	20	32	30	elettrografite <i>electrographite</i>	M5X	11	80	4	6	CARRELLI OM	OM FORKLIFTS	□
• 748	20	32	35	elettrografite <i>electrographite</i>	M5X	103	135	5	9	FIMET	FIMET	□○
749	20	32	40	elettrografite <i>electrographite</i>	M5X	144	90	3.1	6	ESAB	ESAB	□○
755	20	32	40	metallcarbonte <i>metal-carbon</i>	M70	165	112	5	8	M.B.M.	M.B.M.	○
(753) (754)												
756	20	32	40	elettrografite <i>electrographite</i>	EG571	75	100	4.5	6	ANSALDO	ANSALDO	□
750	20	32	45	metallgrafite <i>metal-graphite</i>	M19	164	162/142	4.5	6	CIFES	CIFES	○
812	20	32	45	elettrografite <i>electrographite</i>	EG571	239	80	2/6	6.5	CEAR	CEAR	□
• 757	20	35	45	bronzo-carbone <i>bronze-carbon</i>	M85	92	105	6	9	CLERICI	CLERICI	○
758	20	40	40	metallcarbonte <i>metal-carbon</i>	M70	168	112	5.5	8	-	-	○
760	20	40	45	metallcarbonte <i>metal-carbon</i>	M70	163	100	5	8	COSTRUTT. VARI	VARIOUS MANUFACT.	○
762	22	38	30	metallgrafite <i>metal-graphite</i>	M19	174	104	5	7	-	-	○
763	25	30	30	metallcarbonte <i>metal-carbon</i>	M70	141	102/92	4	7	T.I.B.B.	T.I.B.B.	○
764	25	30	35	elettrografite <i>electrographite</i>	EG571	161	102	3.1	7	T.I.B.B.	T.I.B.B.	□
766	25	40	40	elettrografite <i>electrographite</i>	M5X	177	112	5.5	8	FIMET	FIMET	□○
767	25	40	45	metallcarbonte <i>metal-carbon</i>	M70	163	108	5.5	8	ELETAR	ELETAR	○
768	30	30	30	metallgrafite <i>metal-graphite</i>	M19	181	105	5	7	T.I.B.B.	T.I.B.B.	○
770	30	30	35	elettrografite <i>electrographite</i>	EG571	161	95	3.5	8	T.I.B.B.	T.I.B.B.	□
771	32	40	40	bronzo-carbone <i>bronze-carbon</i>	M85	168	90	5	8	-	-	○
772	32	40	45	metallcarbonte <i>metal-carbon</i>	M70	165	105	5.5	8	ANSALDO	ANSALDO	○
701	5+5	16	29	elettrografite <i>electrographite</i>	EG236S	189	85	1.25	7 ^{mm} (FASTON)	SIEMENS	SIEMENS	□
729	5+5	20	32	elettrografite <i>electrographite</i>	EG283	189	85	1.5	10 ^{mm} (FASTON)	SIEMENS	SIEMENS	□
774	6+6	20	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	184	55	1.9	4	-	-	□
730	6.2+6.2	20	32	elettrografite <i>electrographite</i>	EG283	189	85	1.5	10 ^{mm} (FASTON)	SIEMENS	SIEMENS	□
775	6.2+6.2	25	32	elettrografite <i>electrographite</i>	EG571	186	64	1.5	6	-	-	□

* I simboli (○ □) stanno ad indicare su quali tipi di collettori vanno montate le spazzole.
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- Articoli unificati
Unified articles



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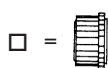
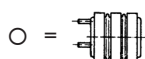
<p>11</p> 	<p>54</p> 	<p>75</p> 	<p>92</p> 
<p>103</p> 	<p>141</p> 	<p>144</p> 	<p>158</p> 
<p>160</p> 	<p>161</p> 	<p>163</p> 	<p>164</p> 
<p>165</p> 	<p>168</p> 	<p>174</p> 	<p>177</p> 
<p>181</p> 	<p>184</p> 	<p>186</p> 	<p>189</p> 
<p>239</p> 			

SPAZZOLE INDUSTRIALI
















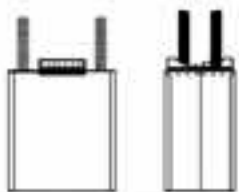
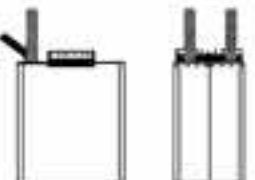
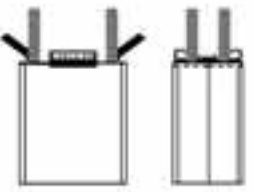
INDUSTRIAL BRUSHES

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									
776	6.3+6.3	25	32	elettrografite <i>electrographite</i>	IM31	190	75	2.4	5	-	-	□
777	6.4+6.4	20	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	184	55	1.9	4	-	-	□
778	6.4+6.4	22	32	grafite-bakelite <i>graphite-bakelite</i>	IM31	190	55	1.9	4	-	-	□
779	8+8	10	22	elettrografite <i>electrographite</i>	M5X	192	55	1.5	4	CARRELLI OM	OM FORKLIFTS	□
780	8+8	16	27	grafite-bakelite <i>graphite-bakelite</i>	IM31	193	50	1.9	4	M.B.M.	M.B.M.	□
781	8+8	20	27	grafite-bakelite <i>graphite-bakelite</i>	IM31	193	50	2.4	5	M.B.M.	M.B.M.	□
783	8+8	25	30	grafite-bakelite <i>graphite-bakelite</i>	IM31	193	55	2.4	4	-	-	□
787	8+8	32	40	elettrografite <i>electrographite</i>	EG283	199	70	3.1	6	-	-	□
814	8+8	32	45	elettrografite <i>electrographite</i>	EG571	231	75	2/6	6.5	CEAR	CEAR	□
815	8+8	32	52	elettrografite <i>electrographite</i>	EG571	232	80	2/6	6.5	IEC	IEC	□
790	8+8	40	35	elettrografite <i>electrographite</i>	M5X	196	67	3.1	8	-	-	□○
791	8+8	40	45	elettrografite <i>electrographite</i>	EG283	204	108	2.2	6	-	-	□
792	10+10	25	40	elettrografite <i>electrographite</i>	EG283	195	80	1.9	7	-	-	□
793	10+10	32	40	elettrografite <i>electrographite</i>	EG571	198	90	2.2	6	-	-	□
794	10+10	32	45	elettrografite <i>electrographite</i>	EG571	209	100	3.1	6	-	-	□
795	10+10	38	70/46	elettrografite <i>electrographite</i>	EG283	211	100	2.2	6	-	-	□
797	11+11	16	40/32	elettrografite <i>electrographite</i>	EG283	213	50	1.7	6	-	-	□
798	12.5+12.5	32	45	elettrografite <i>electrographite</i>	EG283	215	90	3.1	7	-	-	□
800	12.5+12.5	38	70/42	elettrografite <i>electrographite</i>	EG283	211	125	2.1	6	-	-	□
819	12.5+12.5	40	65	elettrografite <i>electrographite</i>	EG571	236	160	3/5	6.5	ANSALDO	ANSALDO	□
802	16+16	20	50/36	elettrografite <i>electrographite</i>	EG283	213	90	2.4	5	-	-	□
805	16+16	40	65/57	elettrografite <i>electrographite</i>	EG283	226	125	4.5	8	-	-	□
807	8+8+8	20	27	grafite-bakelite <i>graphite-bakelite</i>	IM31	227	50	2.4	5	M.B.M.	M.B.M.	□

* 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.

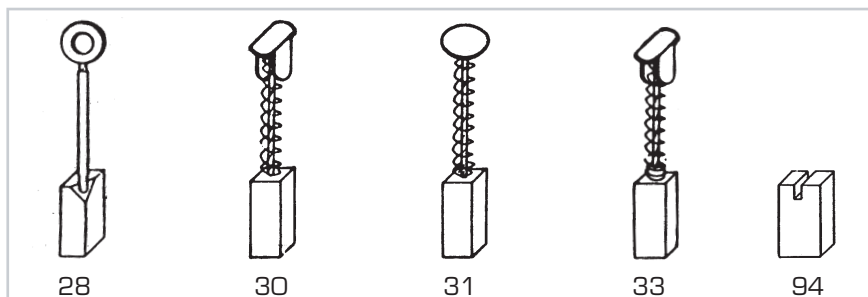


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184 	190 	192 	193 
195 	196 	198 	199 
204 	209 	211 	213 
215 	226 	227 	231 
232 	236 		

SPAZZOLE PER DINAMO TACHIMETRICHE

SPEEDOMETER DYNAMO BRUSHES

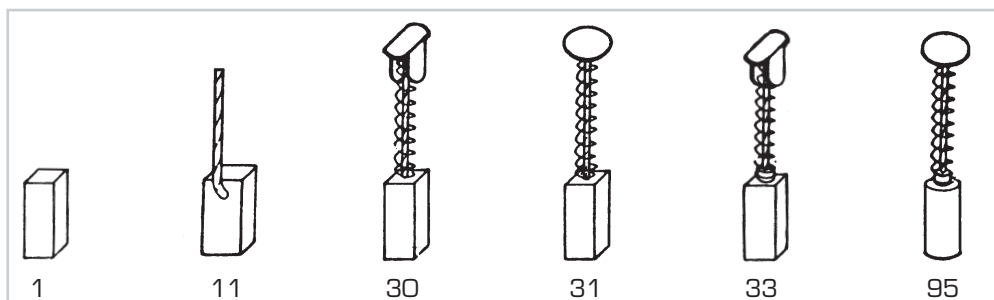


EGO = elettrografite / *electrographite*
 SM3 - AGB4 = argento-grafite / *silver-graphite*
 CM3H - CM9 - M70 - CM5H =
 metalgrafite / *metalgraphite*

Articolo Art.	Dimensioni Dimensions	Qualita' Model	Figura Figure
4001	4x3x10	EGO	30
4002	4x3x13	EGO	30
4003	4x3x14	AGB4	30
4004	4.1x3.1x10	SM3	30
4005	4.1x3.1x10	EGO	31
4006	4x5x15	SM3	30
4007	4.5x4.5x16/14	EGO	33
4008	4.75x3.15x14.5	SM3	94
4009	5x4x10	SM3	30
4010	5x4x16/14	SM3	33
4011	5x4.3x10	SM3	28
4012	5x6x18/15	SM3	33
4013	6x5x15	EGO	30
4014	9.1x6.1x23/21	CM9	33
4015	10x7x21/18	CM3H	33

SPAZZOLE PER MOTORI A BASSA TENSIONE

BRUSHES FOR LOW-VOLTAGE MOTORS

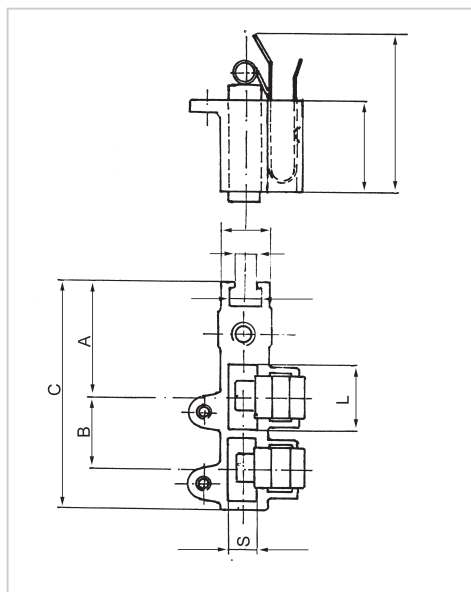


CM3H - M70 - CM5H =
 metalgrafite / *metalgraphite*

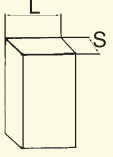
Articolo Art.	Dimensioni Dimensions	Qualita' Model	Figura Figure
4051	∅ 6x22/20	CM3H	95
4052	4x3x15	M70	30
4053	4x4x10	M70	11
4054	5x4x13	M70	30
4055	5x5x16	M70	31
4056	5x6x13	M70	30
4057	8x5x20/18	M70	33
4058	8x6x23/20	CM5H	33
4059	9x6x25/22	M70	33
4060	10x6x25	M70	1

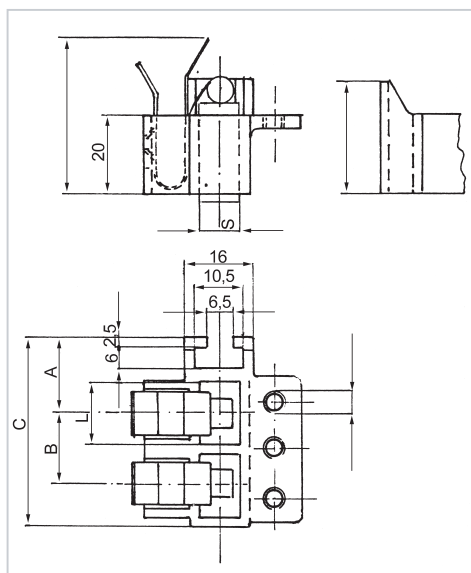
PORTASPAZZOLE A DUE CASSETTI IN CORRENTE CONTINUA

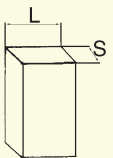
TWO-DRAWER DC BRUSH HOLDER



- Portaspazzola con molla a pressione costante.
- *Brush holder with constant pressure spring.*
- Corpo in ottone fuso. Portamolla in acciaio inox.
- *Cast brass body. Stainless steel spring holder.*
- Molla in acciaio inox speciale.
- *Special stainless steel spring.*

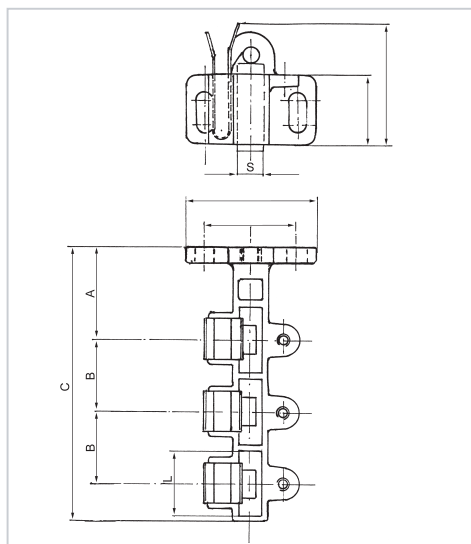
Articolo Art.			A	B	C
	S spessore S Thickness	L larghezza L Width			
APS.1020	10	20	38	22.5	73
APS.1025	10	25	40.5	27	82



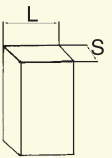
Articolo Art.			A	B	C
	S spessore S Thickness	L larghezza L Width			
CPS.1016	10	16	18,5	18	47

- Composto da n°1 portaspazzole destro + n°1 portaspazzole sinistro
- *Consisting of no. right brush holder + no. left brush holder.*

N.B. Valido solo per CPS.1016.
N.B. Valid only for CPS.1016.

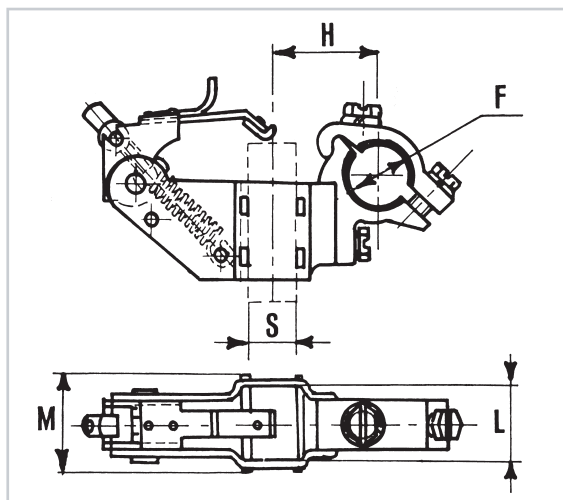


IN ESAURIMENTO / RUNNING OUT

Articolo Art.			A	B	C	N. Cassetti no. of drawers
	S spessore S Thickness	L larghezza L Width				
DPS.12532.3	12.5	32	40	34.5	127.5	3

PORTASPAZZOLE IN CORRENTE CONTINUA

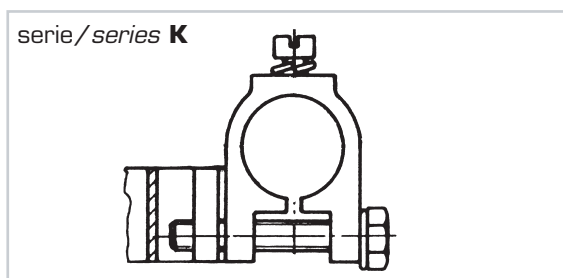
DC BRUSH HOLDER



Completi di blocchetto / Complete with block

- Corpo in lamiera di ottone stampata, blocchetto in profilo ottone apribile a griffa, molla di pressione regolabile in filo d'acciaio ad elica.
- Body in drop-forged brass plate, block in brass profile with openable jaw, adjustable pressure spring made of steel wire helix.
- Arresto in alto della leva premispazzola per cambio della spazzola.
- Adjustable, spiral, steel-wire pressure spring. Brush presser stop at the top for brush change.

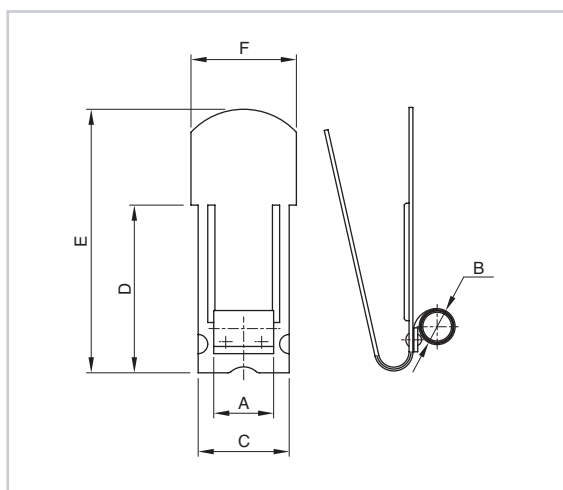
IN ESAURIMENTO / RUNNING OUT



Articolo Art.	Blocchetto Block		H	M	Serie Series	F Ø
	S spessore S Thickness	L larghezza L Width				
RPS.725	12	20	26	24	k	16
RPS.726	15	20	27	24	k	16
RPS.731	8	25	29	27	k	16

PORTAMOLLA COMPLETO DI MOLLA A PRESSIONE COSTANTE PER PORTASPAZZOLE A CASSETTI

SPRING HOLDER COMPLETE WITH CONSTANT COMPRESSION SPRING FOR TWO-DRAWER BRUSH HOLDER

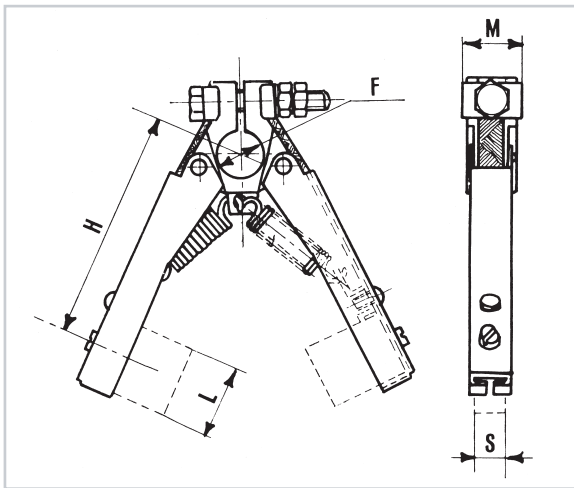


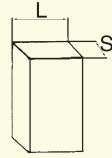
Articolo Art.	A	B	C	D	E	F
MP.42	12.40	11.20	19	35	55	22
MP.48	14.90	14.50	19	35	55	22
MP.51	14.90	16.25	19	35	55	22
MP.54	12.40	11.80	19	35	55	22
MP.85	14.90	20.80	19	35	55	22
MP.90	12.40	8.90	19	35	55	22
MP.41	11.95	8.15	16	27	45	22
MP.59	9.45	7.45	16	27	45	22

PORTASPAZZOLE PER COLLETTORI AD ANELLI

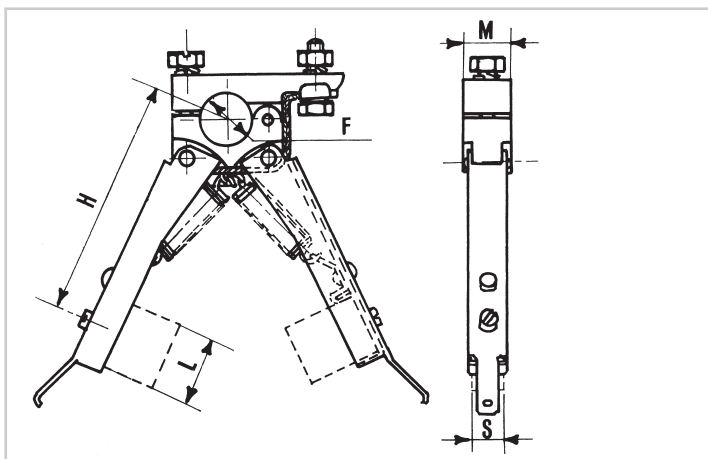
BRUSH HOLDER FOR SLIP RINGS

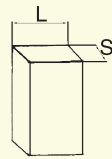
- Morsetto in ottone fuso, leva portaspazzole in lamiera di ottone stampata non concentrica con il perno di fissaggio.
- *Cast brass clamp, brush holder lever in drop-forged brass plate, not concentric with fixing pin.*
- Spazzole fissate con vite o a pressione.
- *Brushes fixed with screw or pressure-fitted.*
- Il passaggio corrente tra spazzola e morsetto avviene mediante piattina di rame flessibilissima stagnata alle due estremità di contatto.
- *Current passes between the brush and the clamp by means of an extra-flexible copper plate, tin-plated at the two contact ends.*



Articolo Art.			H	M	F
	S spessore S Thickness	L larghezza L Width			
BPS.674	5	8	35	9	10
BPS.675	5	10	40	9	10
BPS.676	8	12	42	13	10
BPS.684	8	16	44	13	12
BPS.685	8	16	50	13	12
BPS.686	8	16	62	13	12
BPS.687	8	16	65	13	16
BPS.688	8	16	70	13	12
BPS.689	8	20	60	13	12
BPS.690	8	20	70	13	16
BPS.691	8	25	65	13	12
BPS.692	10	20	65	15	16
BPS.693	10	25	63	15	16
BPS.694	12	25	84	16	16
BPS.695	12	32	80	16	16
BPS.696	16	32	110	20	16

- Morsetto in ottone fuso e apribile a cerniera, leva portaspazzole in lamiera di ottone stampata non concentrica con il perno di fissaggio.
- *Openable hinged cast brass clamp, brush holder lever in drop-forged brass plate, not concentric with the fixing pin.*
- Il passaggio corrente tra spazzola e morsetto avviene mediante piattina di rame flessibilissima stagnata alle due estremità di contatto.
- *Current passes between the brush and the clamp by means of an extra-flexible copper plate, tin-plated at the two contact ends.*

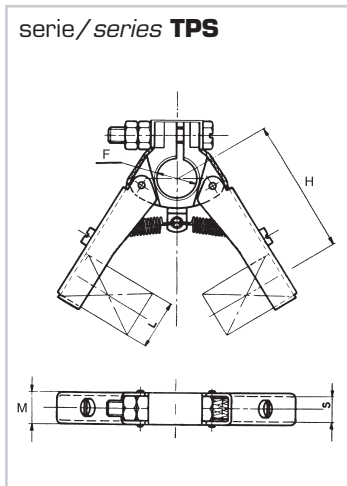


Articolo Art.			H	M	F
	S spessore S Thickness	L larghezza L Width			
BPS.698	8	20	66	13	16
BPS.705	10	25	71	15	18
BPS.710	12	40	106	18	22
BPS.715	20	40	110	25	22

PORTASPAZZOLE PER COLLETTORI AD ANELLI

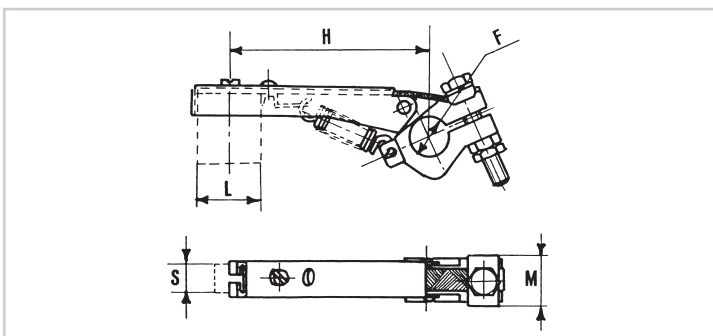
BRUSH HOLDER FOR SLIP RINGS

- Portaspazzole con morsetto in plastica ad alta resistenza con foro tondo.
- *Brush holder complete with high resistant plastic clamp with round hole.*
- Leve portaspazzole in lamiera di ottone stampata. Il passaggio di corrente tra spazzola e morsetto avviene mediante piattina di rame flessibilissima.
- *Brush holder levers in drop-forged brass plate. Current passes between the brush and the clamp by means of an extra-flexible copper plate.*



Articolo Art.			H	M	F
	S spessore S Thickness	L larghezza L Width			
TPS.708 tondo/round	5	8	35	10	10-Ø10
TPS.710 tondo/round	5	10	35	10	10-Ø10

- Morsetto in ottone fuso, leve portaspazzole in lamiera di ottone stampata non concentrica con il perno di fissaggio.
- *Cast brass clamp, brush holder levers in drop-forged brass plate, not concentric with the fixing pin.*
- Spazzola fissata con vite o a pressione.
- *Brush fixed with screw or pressure fitted.*
- Il passaggio corrente tra spazzola e morsetto avviene mediante piattina di rame flessibilissima stagnata alle due estremità di contatto.
- *Current passes between the brush and the clamp by means of an extra-flexible copper plate, tin-plated at the two contact ends.*



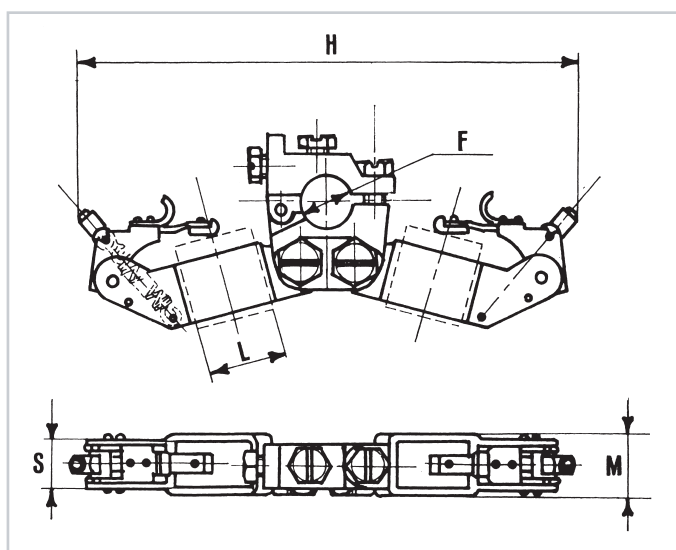
Articolo Art.			H	M	F
	S spessore S Thickness	L larghezza L Width			
UPS.634	5	8	35	9	10
UPS.635	5	10	40	9	10
UPS.636	8	12	42	13	10
UPS.644	8	16	44	13	12
UPS.648	8	20	60	13	12
UPS.649	8	20	70	13	16
UPS.650	8	25	65	13	12
UPS.651	10	20	65	15	16
UPS.652	10	25	63	15	16
UPS.653	12	25	84	16	16

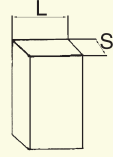
PORTASPAZZOLE PER COLLETTORI AD ANELLI

BRUSH HOLDER FOR SLIP RINGS

- Portaspazzole in ottone fuso.
- *Cast brass brush holder.*
- Morsetto apribile a cerniera
- *Openable hinged clamp.*
- Arresto della leva premispazzola nella parte superiore per cambio spazzole.
- *Brush presser lever stop at the top for brush change.*

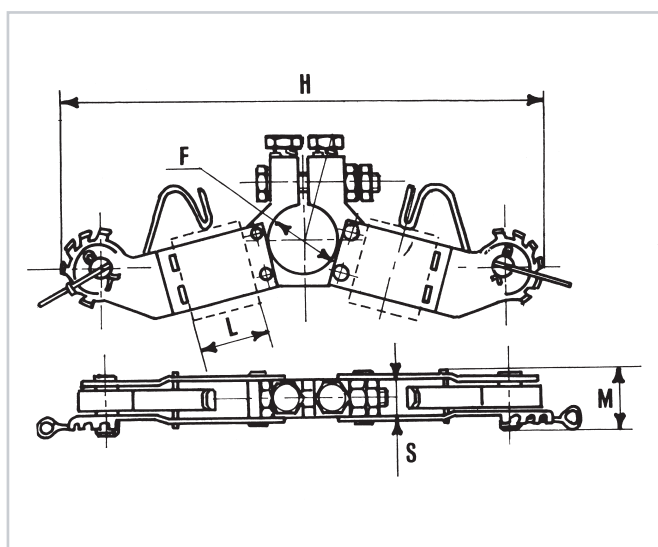
- Molla di pressione regolabile in filo di acciaio.
- *Adjustable steel-wire pressure spring.*
- Si possono adattare i bracci in diverse inclinazioni e vengono sincronizzati tramite ingranaggio incorporato.
- *The arms can be adjusted to different inclinations and they are synchronized by means of built-in gears.*

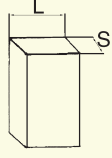


Articolo Art.			H	M	F
	S spessore S Thickness	L larghezza L Width			
FPS.601	10	20	150	16	20
FPS.603	10	25	160	16	20
FPS.605	12.5	25	166	19	20
FPS.610	16	32	205	23.5	20
FPS.615	20	32	210	26	20
FPS.617	20	40	245	26	25
FPS.620	25	40	245	30	30
FPS.612	16	40	245	23.5	20

- Portaspazzole per macchine ad anelli con bracci ad angolazione fissa.
- *Brush holder for ring machines with fixed-angle arms.*

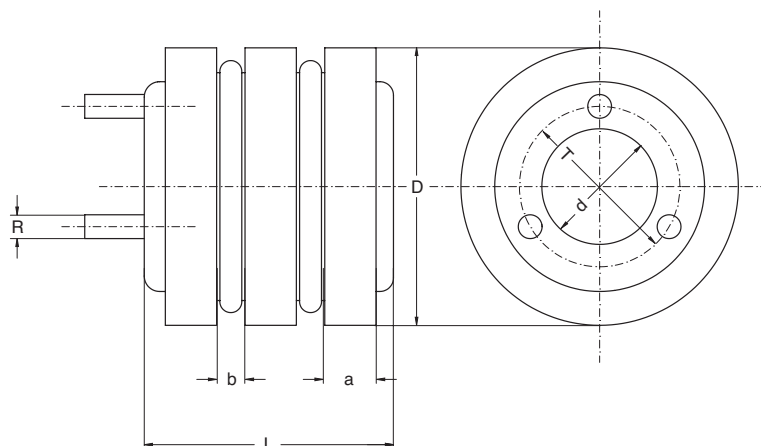
- Morsetto in ottone fuso, bracci in lamiera di ottone stampata chiodata al morsetto.
- *Cast brass clamp, drop-forged brass plate arms nailed to the clamp.*
- Arresto del tipo premispazzole in alto per cambio spazzole.
- *Brush presser stop at the top for brush change.*



Articolo Art.			H	M	F	Ø collettore Ø slip ring
	S spessore S Thickness	L larghezza L Width				
FPS.624	8	16	100	16.5	12	52 - 60
FPS.625	8	16	100	16	16	91 - 101
FPS.632	10	30	150	18	16	120 - 130

COLLETTORI AD ANELLI

SLIP RINGS



SU RICHIESTA POSSIAMO FORNIRE COLLETTORI SPECIALI A DISEGNO.

ON REQUEST SPECIAL SLIP RINGS CAN BE MADE ACCORDING TO CUSTOMER'S SPECIFICATIONS.

2 ANELLI / 2 RINGS

Articolo Art.	D Ø Collettore D Slip ring Ø	a Larg. anello a ring Width	b Isolante b Insulat.	d Ø max. foratura d max Hole Ø	R Ø Perna ma R Pin Ø ma	L Altezza colett. L ring Height	Ampere ammissib. permit. Amperes
6202	40	7	5	18	4	30	10
6203	40	10	7	18	4	37	10
6204	52	9	7	24	5	35	20
6205	60	10	7	28	6	37	25
6206	60	12	7	28	6	41	25
6207	70	10	7	32	6	37	25
6208	70	13	6	32	6	42	25
6209	80	12	7	40	6	42	25
6210	91	12	6	42	6	41	40
6211	91	14	7	42	8	45	50
6212	91	17	8	42	8	59	100
6213	101	14	10	52	8	48	100
6214	112	8	6	55	5	34	50
6215	112	14	10	48	10	55	100



I COLLETTORI VENGONO FORNITI CON FORO GREZZO.

SLIP RINGS ARE PROVIDED WITH HOLE RAW.

COLLETTORI AD ANELLI

SLIP RINGS

3 ANELLI / 3 RINGS



Articolo Art.	D Ø Collettore D Slip ring Ø	a Larg. anello a ring Width	b Isolante b Insulat.	d Ø max. foratura d max Hole Ø	R Ø Perni ma R Pin Ø ma	L Altezza colett. L ring Height	Ampere ammissib. permit. Amperes
6304	40	7	5	18	4	42	10
6305	40	10	7	18	4	54	10
6306	52	9	7	24	5	51	20
6307	60	10	7	28	6	54	25
6308	60	12	7	28	6	60	25
6309	70	10	7	32	6	54	25
6310	70	13	6	32	6	61	25
6311	80	12	7	40	6	61	25
6312	91	12	6	42	6	59	40
6313	91	14	7	42	8	66	50
6314	91	14	10	42	8	72	50
6315	91	17	8	42	8	84	100
6316	101	14	10	52	8	72	100
6317	112	8	6	55	5	48	50
6318	112	14	10	55	10	72	100
6319	121	15	10	65	12	75	100
6320	121	20	10	65	12	90	150
6321	131	20	11	70	12	100	150
6322	140	16	11	75	10	80	100
6323	140	20	15	75	12	100	150
6324	151	20	16	75	12	102	150
6325	160	25	10	75	12	106	150
6326	180	25	16	90	12	119	150
6327	200	25	17	110	14	122	200
6328	225	32	14	130	14	146	300
6329	250	30	20	150	14	150	300

4 ANELLI / 4 RINGS



Articolo Art.	D Ø Collettore D Slip ring Ø	a Larg. anello a ring Width	b Isolante b Insulat.	d Ø max. foratura d max Hole Ø	R Ø Perni ma R Pin Ø ma	L Altezza colett. L ring Height	Ampere ammissib. permit. Amperes
6402	52	9	7	24	5	67	20
6403	60	10	7	28	6	71	25
6404	60	12	7	28	6	79	25
6405	70	10	7	32	6	71	25
6406	70	13	6	32	6	80	25
6407	80	12	7	40	6	80	25
6408	91	14	7	42	8	87	50
6409	101	14	10	52	8	96	100
6410	112	8	6	55	5	62	50
6411	121	20	10	65	12	120	150
6412	151	20	10	65	12	120	150
6413	160	25	10	75	12	141	150

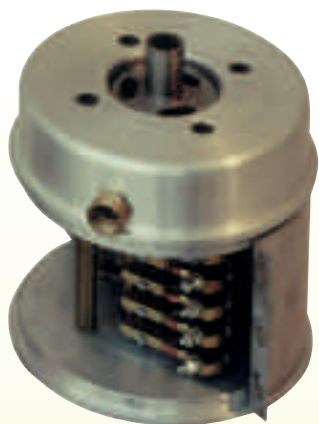
I COLLETTORI VENGONO FORNITI CON FORO GREZZO.

SLIP RINGS ARE PROVIDED WITH HOLE RAW.

PRESE DI CORRENTE ROTANTI

ROTATING POWER SOCKETS

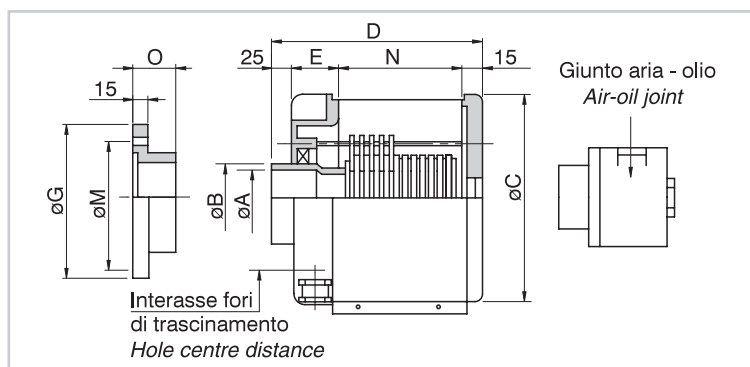
Articolo / Art. **PR.100**



CARATTERISTICHE TECNICHE / TECHNICAL SPECIFICATIONS

Anelli in bronzo. Portaspazzole a doppio braccio in ottone.
 Base portante e testata superiore in alluminio.
 Carter di chiusura in acciaio inox composto da due metà apribili.
 Albero in acciaio montato su cuscinetti a sfera. Protezione IP55.

*Bronze rings. Double-arm brass brush holder.
 Aluminium support base and upper head.
 Stainless steel cover made up of two halves to be opened.
 Steel shaft mounted on ball bearings. IP55 protection.*



PER POTERE EVADERE LA VOSTRA RICHIESTA INDICARE I SEGUENTI DATI:

In order to process your request please always specify the following details:

Parametri / Parameters				
Potenza / Power	N° Anelli <i>No. of Rings</i>			
	Tensione (V.) <i>Voltage (V)</i>			
	Corrente (A.) <i>Current (A)</i>			
Segnali / Signals	N° Anelli <i>No. of Rings</i>			
	Tensione (V.) <i>Voltage (V)</i>			
	Corrente (A.) <i>Current (A)</i>			
	Collegamenti <i>Connections</i>	<ul style="list-style-type: none"> Festoni cavi <i>Cable terminals</i> 	<ul style="list-style-type: none"> Morsettiera <i>Terminal board</i> 	<ul style="list-style-type: none"> Festoni cavi <i>Cable terminals</i> Morsettiera <i>Terminal board</i>
	Attacco <i>Coupling</i>	<ul style="list-style-type: none"> Flangia <i>Flange</i> 	<ul style="list-style-type: none"> Albero <i>Shaft</i> 	<ul style="list-style-type: none"> Flangia <i>Flange</i> Albero <i>Shaft</i>
	Tipo giunto/ N° vie <i>Joint type / No. of ways</i>	<ul style="list-style-type: none"> * Aria / N° <i>Air / No.</i> 	<ul style="list-style-type: none"> * Olio / N° <i>Oil / No.</i> 	<ul style="list-style-type: none"> Aria / N° <i>Air / No.</i> Olio / N° <i>Oil / No.</i>
	Tipo passacavo <i>Type of cable entry</i>			
	Altezza max (D) <i>Max. height (D)</i>			
	Diametro max (C) <i>Max. diameter (C)</i>			
	Spessore flangia (O) <i>Flange thickness (O)</i>			

* Aria = collegamento all'aria compressa / *Air: connection to compressed air.*

* Olio = collegamento oleodinamico / *Oil: connection to hydraulic system.*

PRESE DI CORRENTE ROTANTI

ROTATING POWER SOCKETS

SU RICHIESTA È POSSIBILE FORNIRE PRESE ROTANTI PER APPLICAZIONI SU: MACCHINE CONFEZIONATRICI AVVOLGITORI, MACCHINE INSACCAMENTO, MACCHINE PER LA PELLETTIERA, CENTRI DI LAVORO. PER INFORMAZIONI CONTATTARE IL NOSTRO UFFICIO COMMERCIALE.

On request, rotating sockets can be supplied for applications on: packaging machines, wrapping machines, bagging machines, leather-ware machines, machining centres. For more details, please contact our sales department.

Articolo/Art. PR.101



Articolo/Art. PR.102



Articolo/Art. PR.103



NON TROVI IL RICAMBIO NECESSARIO?

DON'T YOU FIND THE NECESSARY SPARE PART?



INVIA UNA FOTO

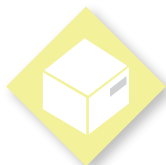
PLEASE SEND A PICTURE



mail
magazzino@dellerba.com

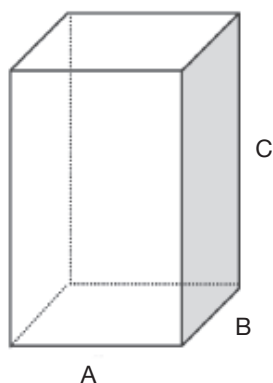


whatsapp
338-4297465



spedisci il campione a / *send the sample to*
Dell'Erba srl
via L. Galvani, 10
41015 Nonantola (MO)

indicare i seguenti dati / *please indicate the following detail*



A (larghezza / *width*)

B (spessore / *thickness*)

C (altezza / *height*)

materiali e impiego / *material and use*

.....

.....

