

MAITIS HK LIMITED

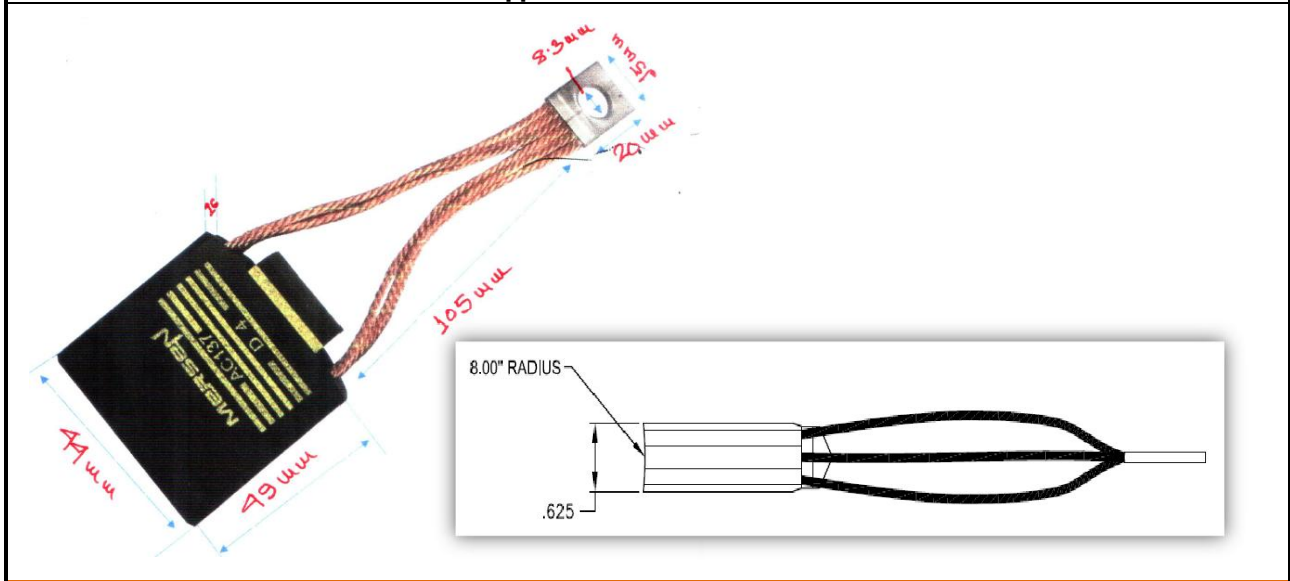
CARBON BRUSH FOR INDUSTRY

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AC 137/DE7000

NO.	Grade	Resistivity	Flexural strength	Hardness	Relative density	current density	Max speed		
		uΩ.m	MPa	shore	g/cm3	A/CM2	m/s		
3	AC 137	5.08	41.2	80	1.72	12.4	51		

Application: in traction motor



EG8220

NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferenti al velocity
		uΩ.Cm	Mpa	SHORE	g/cm3	v	≤ mm	A/cm ³	M/s
4	EG8220	5450	44	89	1.85			12	50

Application:

D172

NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferenti al velocity
5	D172	uΩ.m	Mpa	rockwell	g/cm3	v	≤mm	A/cm ³	M/s
		7.8-18.2		71.1-112.3	1.44-1.76	2.16-3.24	0.2	12	70

Application: Rectifier normal DC motor exciter, large high speed water wheel, turbo generator collector ring



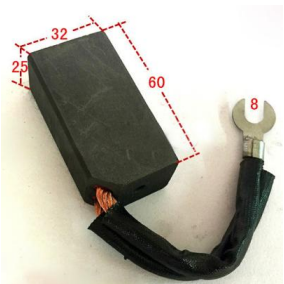
D104									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm3	v	≤mm	A/cm ³	M/s
6	D104	6-14		71-110	1.476-1.804	1.92-2.88	0.25	12	40

Application:The normal load of rectification is 80-120v DC motor, small capacity AC motor slider



D252									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm ³	v	≤mm	A/cm ³	M/s
7	D252	10.5-19.5		50.2-97.8	1.48	1.88-3.13	0.15	12	45

Application: Traction motor with difficulty in rectification, voltage of 80-220v, DC generator, power amplifier

EG367									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage	50H wear and tear	current density	Allow the circumferenti
		uΩ.Cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
13	EG367	4300	20	48	1.54			12	50
Application:									

EG98									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferenti al velocity
	EG98	uΩ.Cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
14		3600	39	60	1.59			12	50
Application:									

EG98B									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferenti al velocity
	EG98B	uΩ.Cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
15		3400	30	67	1.66			12	50
Application: Ship motor									



EG319P									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferenti al velocity
	EG319P	uΩ.Cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
16		7200	26	53	1.48			12	50
Application:									



J151									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm3	v	≤mm	A/cm ³	M/s
17	J151	0.045-0.135		29.8-88	5.04-6.16	0.18-0.42	0.7	20	25

Application:Low voltage, high current density motor, wound motor, automotive starter motor, high current density collector ring

J164									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm3	v	≤mm	A/cm ³	M/s
18	J164	0.045-0.135		30-92.3	4.986-6.049	0.18-0.42	0.7	20	20

Application:Low voltage, high current density motor, wound motor, automotive starter motor, high current density collector ring



J201									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm3	v	≤mm	A/cm ³	M/s
19	J201	1.4-5.6		63.9-102.6	2.655-3.245	0.83-2.18	0.18	15	25

Application:High-current DC generator with voltage below 60v, silicon rectifier generator, 220v wound-wire motor collector ring

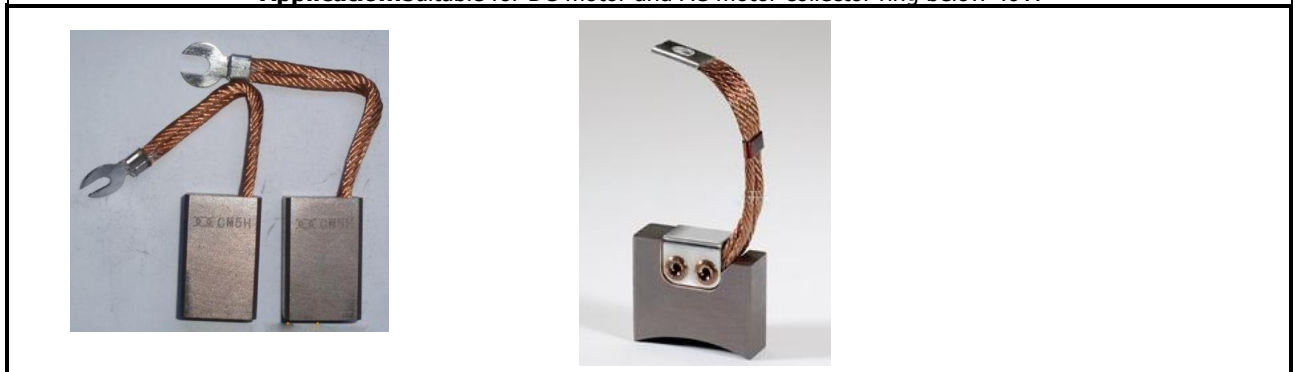


J203									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm ³	v	≤mm	A/cm ³	M/s
20	J203	4.4-13.2		30-90	1.989-2.431	1.17-2.43	0.15	12	20
Application: Charging generator with voltage below 80v, small traction motor with small voltage									

J204									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	rockwell	g/cm ³	v	≤mm	A/cm ³	M/s
21	J204	0.24-0.96		73.2-105.5	3.636-4.444	0.61-1.60	0.3	15	20
Application: High current DC motor with voltage below 40v, automobile, tractor starter, asynchronous motor collector ring									



CM5H									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	shore	g/cm ³	v	≤mm	A/cm ³	M/s
22	CM5H	0.35	23	15	3.9	0.86	0.09	14	30
Application: Suitable for DC motor and AC motor collector ring below 40V.									



CM5B									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
		uΩ.m	Mpa	shore	g/cm ³	v	≤mm	A/cm ³	M/s

23	CM5B	0.9	33	20	3.5	1	0.09	14	30
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Application: Similar to CM5H, good commutation performance, suitable for DC motor and AC motor collector ring below 40v



CM3H									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
24	CM3H	0.2	27	10	4.3	0.52	0.1	16	25

Application: It is suitable for collector ring motors and can also be used for DC motors up to 12V.



MC79P(copper graphite)									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
25	MC79P	7	98		5.2				20

Application: It is suitable for Cable factory Niehof Niehoff wire drawing machine





CG75(METAL graphite)									
NO.	Grade	resistivity	Flexural Strength	hardness	density	METAL %	50H wear and tear	current density	Allow the circumferenti al velocity
		uΩ.Cm	Mpa	shore	g/cm3		≤mm	A/cm³	M/s
31	CG75	10	48	12	4.65	77		16	25

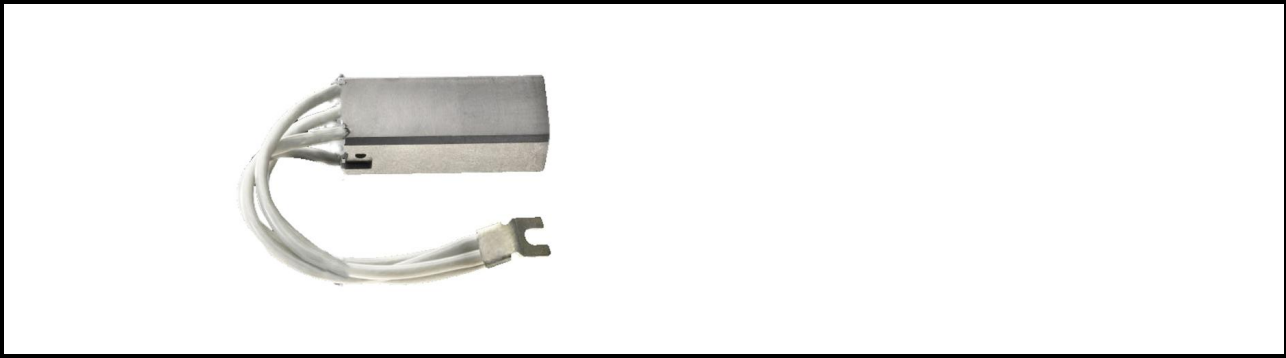
Application:

MC12 (METAL graphite)									
NO.	Grade	resistivity	Flexural Strength	hardness	density	METAL %	50H wear and tear	current density	Allow the circumferenti al velocity
		uΩ.Cm	Mpa	shore	g/cm3		≤mm	A/cm³	M/s
32	MC12	35	175	15	6	91		25-30	20

Application:

MC689 (METAL graphite)									
NO.	Grade	resistivity	Flexural Strength	hardness	density	METAL %	50H wear and tear	current density	Allow the circumferenti al velocity
		uΩ.Cm	Mpa	shore	g/cm3		≤mm	A/cm³	M/s
33	MC689	25	145	13	5.95	89		25-30	20

Application:



MC664 (METAL graphite)									
NO.	Grade	resistivity	Flexural Strength	hardness	density	METAL %	50H wear and tear	current density	Allow the circumferenti al velocity
		uΩ.Cm	Mpa	shore	g/cm3		≤mm	A/cm³	M/s
34	MC664	83	39	27	4.65	79		25-30	20

Application:	
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MG1157									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
39	MG1157	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
		0.66		26	2.73	1.8	0.25		

Application: Wind power main brush ,Suitable for dry high altitude environment wind turbines 20*40*100MM

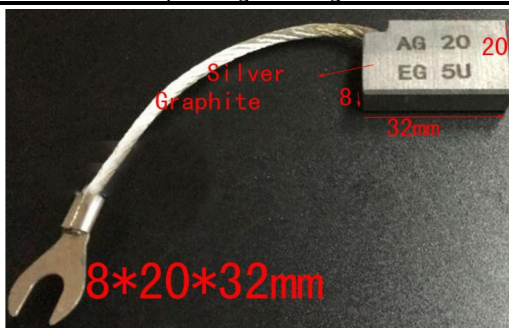


MG1167									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
40	MG1167	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
		0.62		20	2.98	1.8			

Application: Wind power main brush

AG20EG5U									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
41	AG20EG5U	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s

Application: Wind power grounding brush 20X8X32、20*8*50、20X8X64、25*12.5*64mm



AG20LFC554									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
42	MG1167	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
	AG20LFC554								

Application: Wind power grounding brush 20X8X32、20*8*50、20X8X64、25*12.5*64mm



M8295									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
43	MG1167	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
	M8295	1775	34		1.8				30/45

Application: Wind power grounding brush 25*12.5*64、12.5X25X50、20*8*50、20X8X64/32mm

CG626									
NO.	Grade	resistivity	Flexural Strength	hardness	density	contact voltage drop	50H wear and tear	current density	Allow the circumferential velocity
44	CG626	uΩ.cm	Mpa	shore	g/cm3	v	≤mm	A/cm ³	M/s
		05	60		2.88				35

Application: Wind power main brush 20*40*100MM



E468									
NO.	Grade	resistivity	Flexural Strength	hardness	density		50H wear and tear	current density	Allow the circumferential velocity
11	E468	uΩ.m	Mpa	rockwell	g/cm3		≤mm	A/cm ³	M/s
		18-25		65	1.46		0.2	12-18	60