



Power Tool Carbon Brush

1. The **Power Tool Carbon Brush** we provide can be installed onto power tools working under the voltage of 110V, 120V, and 240V.
2. **Power Tool Carbon Brush** can be used on cutter, mixer, pruners, mower, kitchen electrical with small power and DC power tools under 24V, and vacuum cleaner, washing machine motors under

600W, etc.

Notes for installation of **Power Tool Carbon Brush**:

1. It is forbidden to install the carbon brushes with different brands and materials on the same product.
2. Notice especially whether the spring presses well during the installation and whether it's prevents the function of carbon brush.
3. Notice whether copper bolts are stable and whether the way of their fixation affects the use of carbon brush.

No oil can be stained on the carbon brush or the friction surface of the rotating parts.

The running of **Power Tool Carbon Brush**:

The contact between the friction surface of **Power tool carbon brush** and that of the rotating parts should be complete so that the electric currents will be transmitted evenly. Without the running, sparks will be produced when the motor is in operation. The methods of running are as follows:
 Natural running: after the installation of **Power tool carbon brush** is finished, switch on the motor under no-load operation to enable a natural running (about 0.5-3 hours according to the size).

Artificial running: use the sandpaper for running without power.

Tool running: use the millstone or other maintenance tools under the no-load conditions. Professional personnel are needed.

Specifications of **Power Tool Carbon Brush**

Model	Resistivity ($\mu\Omega\text{m}$)	Shore Hardness	Bulk Density (g/cm^3)	Flexural Strength (MPa)	Contact Relief (V)	Friction Coefficient	Rated Current Density (g/cm^2)	Allow Circumferential Speed (m/s)	Major Usage
EG845	40	55	1.6	/	M	VL	15	40	Cutting Machine and Other Small Electric

									Power Tools
H100(GC)	23	30	1.7	22.5	M	VL	12	40	120V Electric Tools, Stirring Machine, Pruners, Grass Cutters
H100(GT)	85	26	1.58	6.6	M	VL	12	40	120V Electric Tools, Mixers, Pruners, Grass Cutters
H809	30	37	1.65	26	M	VL	12	40	120V Electric Tools, Household Appliances
H809(GT)	60	30	1.65	14	M	VL	12	40	120V Electric Tools, Household Appliances
H817	28	30	1.63	16	M	VL	12	40	110V Electric Tools, Below 24V DC Electric Tools
H805	165	30	1.65	26	M	VL	12	40	110V Electric Tools, Below 24V DC Electric Tools
IM624 (GC)	650	22	1.75	24	H	VL	10	25	Below 240V Electric Tools, Below 600W Vackersr
IM624 (GT)	1800	21	1.75	10.5	H	VL	10	25	Below 24V Electric Tools, Below 600W Vackers
IM705	860	23	1.44	13.0	H	VL	12	50	110V-240V, 600-1200W Vackers
IM824	953	27	1.48	17.6	VH	VL	10	25	1000W Electric Tools and Vackers

IM834	508	25	1.70	24.3	H	VL	15	25	120V , Above 1000W Vackers
IM839	1778	24	1.41	14.6	VH	VL	12	50	240V, Above 1500W Vackers Thermal Expansion Coefficient : 6*10-5/°C
IM843	145	23	1.78	21.0	H	VL	13	40	120V Vackers
IM844	760	25	1.60	24.0	H	VL	14	50	120V-240V Vackers, Particularly Suitable for High Power
IM852	483	25	1.75	>20	H	M	14	46	120V Vackers, Particularly Suitable for Above 1000W High Power
PM20	1200	60*	1.63	28.0	VH	L	8	45	240V Electric Tools, Polishers, Dynamical Brakes
PM32	600	85*	1.63	>10	VH	L	10	45	120V, 240V Electric Tools, Polishers, Dynamical Brakes, Washing Machine
PM803 CJ	838	35	1.443	13.5	VH	H	8	23	120V Series Motors, Various Electric Tools
IM629	1500	27	1.43	15.0	VH	VL	10	25	240V, Below 1000W

									Vackers
H836 (GC)	53	-	1.57	20.0	M	VL	12	40	120V Electric Tools. Household Appliances
H836 (GT)	370	19.5	1.55	5.7	M	VL	12	40	120V Electric Tools, Household Appliances
CN16	62	69	1.60	-	M	VL	15	40	120V Electric Tools, Cutting Machine
PM805	940	23	1.90	/	VH	L	10	45	Below 120V Consumer Motors/Electri c Tools
PM818	254	41	1.60	24.0	VH	H	8.5	23	120V Various Electric Power Tools, Household Appliances, 7-7.5*10-6/°C Thermal Expansion Coefficient
PM825	889	41	1.60	24.5	VH	L	8.5	45	Below 120V Electric Tools
PM829	508	40	1.66	14.0	VH	L	10	45	Below 120V Polishers, Dynamic Brakes

1. Contact Belief

Very High ≥ 3.6 V

High: 2.4V-3.6V

Medium: 1.4V-2.3V

Low: 0.8V-1.3V

Very Low ≤ 0.8 V

2. Friction Coefficient

High ≥ 0.20

Medium 0.15-0.20

Low 0.10-0.15

Very Low ≤ 0.10

3. Rockwell Hardness

We are a specialized power tool carbon brush manufacturer and supplier, specialized in providing a great variety of carbon brush for our customers. Additionally, we are continuously committed to developing new type of power tool carbon brush to meet the increasing demand of our customers. Our company has been authorized the ISO9001:2000 international quality system certification. Due to high quality products and competitive prices, our products are greatly favored by our customers from all over the world. We can provide customized service and OEM service is also available.

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