



HUAYU 华宇碳素

HUAYU CARBON

CARBON BRUSH
2023



www.huayucarbon.com



WELCOME TO OUR **PRODUCT CATALOG** 2023

NEVER BRUSH OFF HIGH QUALITY

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ABOUT OUR COMPANY

Enterprise passed ISO9001:2015 quality management system certification.

Covers an area of 30,000 square meters, of which 22,000 square meters Building area, We have enough advanced production equipment. Be equipped with Integrated test equipment and dynamic test equipment can test the overall performance of carbon brushes.

Advanced production equipment enables the annual output to reach a certain level.

The production capacity is 200 million carbon brushes and more than 2 million graphite products.

The cooperative enterprises include Dongcheng, Baoshi, TTI, Suzhou Sybest, Changzhou Gree, Midea, Lake Electric, Suzhou Aipu and so on.

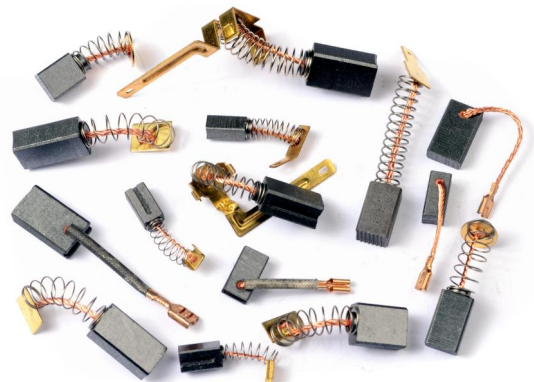
Company adhering to the "integrity, pragmatic, communication, education, innovation" business philosophy, We take "continuous innovation, continuous development" as the driving force to achieve the development of enterprises.

High Quality High Reliability Best Service
Achieve Synchronous Development With Customers

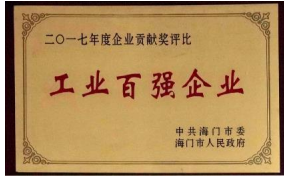
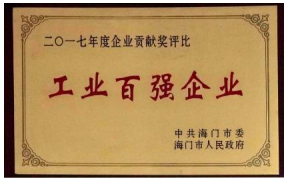


This catalogue contains over 400 kinds of carbon brush.
The catalogue also includes a complete cross reference list.
All dimensions are measured manually and we apologize for any possible deviation.
O.E.M. names and numbers are used for reference purposes only.

HUAYU CATALOG PRODUCTS 2023



COMPANY HONOR



- 2020 Certificate of high-tech Enterprise
- 2020 Haimen Top 100 Industrial Enterprises
- 2018 Haimen Top 100 industrial enterprises
- 2017 Haimen Top 100 industrial enterprises

- 2013 Midea qualified supplier of kitchen appliances
- 2012 Excellent Supplier of the Year of Globe
- 2009 Haimen most socially responsible enterprise
- 2006 Nantong AAA comprehensive credit enterprise

COOPERATIVE ENTERPRISE

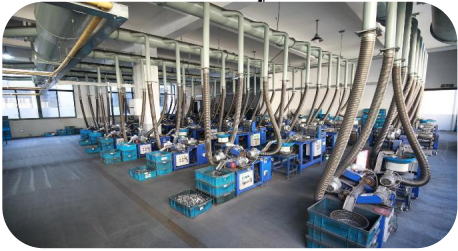
100+



Automated workshop



Automated workshop



CORE COMPETITIVENESS



Graphite powder raw material reserve



Graphite powder finished product reserve



Huayu Carbon has a complete brush frame assembly workshop, which can realize the whole process of carbon brush production and brush frame assembly, and complete the assembly of the electric brush

CORE COMPETITIVENESS

Research and Development Center

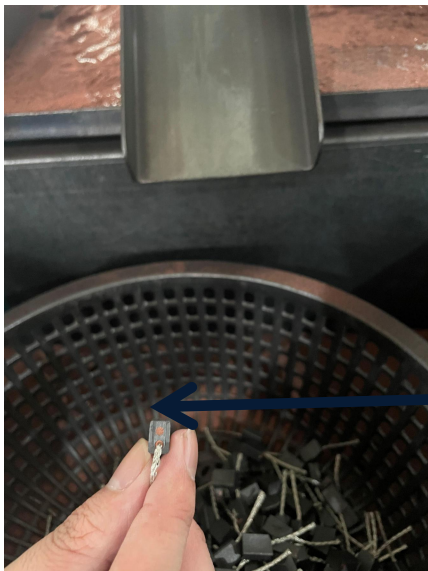


BOSCH Tools are in product testing



Huayu Carbon has a strong research and development center, can complete all kinds of electrical tools with carbon brush product performance test, is Huayu carbon brush constantly improve the quality of the essential help!

Self stop production

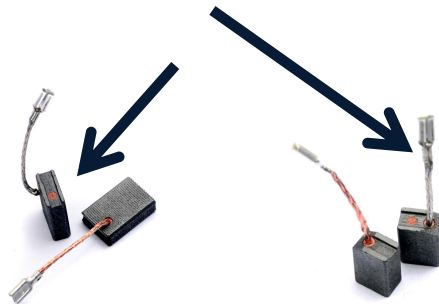


Huayu Carbon has the ability to produce carbon brushes with self-stop function.



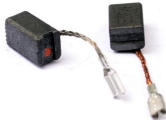



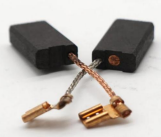
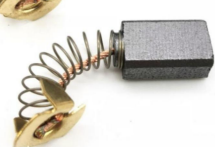
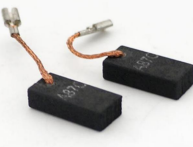
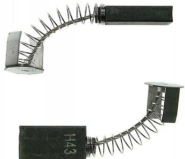

- ◆ The design will automatically cut off the circuit before the end of the brush life
- ◆ It is applied to the electric tool motor to protect the motor safely



Self-stop function test rendering

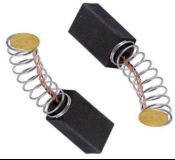


		Vacuum cleaner, electric/garden tools with brush product material introduction						
Type	Model number	Electrical resistivity	Shore hardness	Bulk density	Flexural strength	Current density Current density	Allowable circular velocity	Main use
		($\mu\Omega\text{m}$)		(g/cm^3)	(MPa)	(A/cm^2)	(m/s)	
Numerical material	H63	1350-2100	19-24	1.40-1.55	11.6-16.6	12	45	Vacuum cleaner, etc
	H72	250-700	16-26	1.40-1.52	9.8-19.6	13	50	120V Vacuum cleaner, etc
	72B	250-700	16-26	1.40-1.52	9.8-19.6	15	50	Vacuum cleaner, etc
	H73	200-500	16-25	1.40-1.50	9.8-19.6	15	50	Garden tool, etc
	73B	200-500	16-25	1.40-1.50	9.8-19.6	12	50	Garden tool, etc
	H78	250-600	16-27	1.45-1.55	14-18	13	50	Garden tool, etc
	HG15	350-950	16-26	1.42-1.52	12.6-16.6	15	50	
	H80	1100-1600	22-26	1.41-1.48	13.6-17.6	15	50	Power tools, etc
	80B	1100-1700	16-26	1.41-1.48	13.6-17.6	15	50	Power tools, etc
	H802	200-500	11-23	1.48-1.70	14-27	15	50	Power tools, etc
	H82	750-1200	22-27	1.42-1.50	15.5-18.5	15	50	Power tools, etc
	H26	200-700	18-27	1.4-1.54	14-18	15	50	120/220V Vacuum cleaner
	H28	1200-2100	18-25	1.4-1.55	14-18	15	50	120/220V Vacuum cleaner
	H83	1400-2300	18-27	1.38-1.43	12.6-16.6	12	50	Power tools, etc
	83B	1200-2000	18-27	1.38-1.43	12.6-16.6	12	50	Power tools, etc
	H85	2850-3750	18-27	1.35-1.42	12.6-16.6	13	50	Power tools, etc
	H86	1400-2300	18-27	1.40-1.50	12.6-18	12	50	Power tools, etc
	H87	1400-2300	18-27	1.38-1.48	13-18	15	50	Power tools, etc
	H92	700-1500	16-26	1.38-1.50	13-18	15	50	Power tools, etc
	H96	600-1500	16-28	1.38-1.50	13-18	15	50	Power tools, etc
H94	800-1500	16-27	1.35-1.42	13.6-17.6	15	50	Power tools, etc	
Electrochemical graphite RB101		35-68	40-90	1.6-1.8	23-48	20	50	120v Power tools
Bituminous material	RB103	200-500	28-42	1.61-1.71	23-48	18	45	120/230v Power tools
	RB104	350-700	28-42	1.65-1.75	22-28	18	45	120/220v Power tools
	RB105	350-850	28-42	1.60-1.77	22-28	20	45	120/220v Power tools
	RB106	350-850	28-42	1.60-1.67	21.5-26.5	20	45	Power tools, etc
	RB301	600-1400	28-42	1.60-1.67	21.5-26.5	20	45	Power tools, etc
	RB388	600-1400	28-42	1.60-1.67	21.5-26.5	20	45	Power tools, etc
	RB389	500-1000	28-38	1.60-1.68	21.5-26.5	20	45	Power tools, etc
	RB48	800-1200	28-42	1.60-1.71	21.5-26.5	20	50	Power tools, etc
	RB46	200-500	28-42	1.60-1.67	21.5-26.5	20	45	Power tools, etc
	RB716	600-1400	28-42	1.60-1.71	21.5-26.5	20	45	Power tools, etc
	RB79	350-700	28-42	1.60-1.67	21.5-26.5	20	45	120/220v Power tools
	RB810	1400-2800	28-42	1.60-1.67	21.5-26.5	20	45	120/220v Power tools

	Application: GWS750-100 GWS750-125 GWS900-100 GWS900-125	Order Code: 1 619 P11 715	SIZE: 5×8×15.5	Peculiarity: Can make cut-off
	Application: USH27	Order Code: 1-607-014-111 1-617-014-113	SIZE: 6.3x16x25	Peculiarity: Can make cut-off
	Application: GWS7-100	Order Code: 1 619 P02 870	SIZE: 6.5×8×13	Peculiarity: Can make cut-off
	Application: GWS20-180/230 GWS18-180/230 GWS21-180/230	Order Code: 1 607 014 171	SIZE: 6.3×16×22	Peculiarity: Can make cut-off
	Application: GWS6-100	Order Code: 1 619 P07 571	SIZE: 5x8x15	Peculiarity: Can make cut-off
	Application: GBH2-26E	Order Code: 1 617 000 525	SIZE: 5x8x19	Peculiarity: Can make cut-off
	Application: GBH5-38	Order Code: 1 617 014 138	SIZE: 6.3x12.5x23	Peculiarity: Can make cut-off
	Application: TDM1250	Order Code: 1 619 PA4 025	SIZE: 7x11x17	Peculiarity: Can make cut-off
	Application: GST85PBE/25M GGS27L	Order Code: 2 604 320 912	SIZE: 5x8x16	Peculiarity: Can make cut-off
	Application: 1309/1309.3/1501	Order Code: 1 607 014 100	SIZE: 6x14x23	Peculiarity: Can make cut-off
	Application: GWS14-150	Order Code: 1 607 014 172	SIZE: 5x10x16	Peculiarity: Can make cut-off

	Application: GSR180-LI	Order Code: LI 1 607 000 CZ1	SIZE: 4.5x8x11	Peculiarity: Copper-containing carbon brush
	Application: 琢美3000	Order Code: 2 615 298 790	SIZE: 4.8x5x7.5	Peculiarity:
	Application: 琢美4000	Order Code: 2 610 005 646	SIZE: 4.8x6.4x7.5	Peculiarity:
	Application: GSH11E	Order Code: 1 607 014 126	SIZE: 6.3x16x26	Peculiarity: Can make cut-off
	Application: GSH 7 VC	Order Code: 1 617 014 145	SIZE: 6.3x12.5x26	Peculiarity: Can make cut-off
	Application: GSH 11 VC	Order Code: 1 617 000 750	SIZE: 6.3x16x26	Peculiarity: Can make Double cut-off
	Application: GSH 16-28/30	Order Code: 3 611 C35 0H0	SIZE: 6.3x16x26	Peculiarity: Can make cut-off
	Application: GSH 27	Order Code: 1 617 000 425	SIZE: 6.3x16x22	Peculiarity: Can make cut-off
	Application: GBM10RE/13RE	Order Code: E 1 619 P00 465	SIZE: 5x8x16	Peculiarity:
	Application: GDC140	Order Code: 1 619 P20 377	SIZE: 6.8x10.9x14	Peculiarity:
	Application: GBH7DE/7-45de/- 46DE GSH5E/CE GBH5-40DE	Order Code: 1 617 014 135	SIZE: 6.3x12.5x24	Peculiarity: Can make Double cut-off

BOSCH



Application:
CSB650-2

Order Code:
2 604 321 913

SIZE:
5x8x14

Peculiarity:



Application:
CSB420-2
GBN 450

Order Code:
2 604 321 904
2 604 321 919

SIZE:
6.3x6.3x15.5/17

Peculiarity:

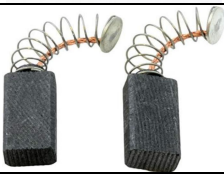


Application:
GSB550/570/500RE

Order Code:
1 619 PA1 407

SIZE:
5x9x14

Peculiarity:



Application:
PSS 23 E

Order Code:
1-607-014-114
1-607-014-117
1-607-014-124
2-604-321-916

SIZE:
5x8x16

Peculiarity:



Application:
11264EVS

Order Code:
1 617 014 144

SIZE:
6.3x12.5x24.5

Peculiarity:
Can make Double
cut-off

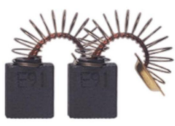


Application:
GBH2000DRE

Order Code:
1 619 P01 777

SIZE:
5x8x16

Peculiarity:
With brush holder

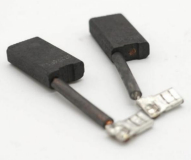


Application:
GDM13-34

Order Code:
1 619 P06 304

SIZE:
6x12x14

Peculiarity:
Can make
cut-off



Application:
GKS190 U3396F13

Order Code:
1 619 P06 346

SIZE:
6x16x23

Peculiarity:
Can make
cut-off

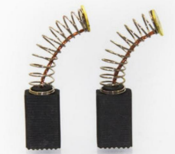


Application:
GDM13-34

Order Code:
1 619 P06 304

SIZE:
6x12.5x14.5

Peculiarity:

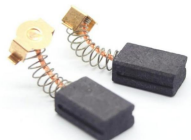


Application:
GSB20-2RE

Order Code:
2 604 321 905

SIZE:
6.3x6.3x12.7

Peculiarity:



Application:
GSA1100E

Order Code:
2 610 956 917

SIZE:
5x8x16

Peculiarity:
Double side slot

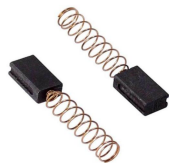


Application:
GST800

Order Code:
1 619 X07 509

SIZE:
5x9x17

Peculiarity:



Application:
GSB13

Order Code:
2 607 014 017

SIZE:
5x8x14

Peculiarity:
Double side slot



Application:
2 607 034 904 GSR GSB

Order Code:
2 607 034 904

SIZE:
6x7.5x11

Peculiarity:
Copper-containing
carbon brush

	Application: CB-51 CB-9/10/50/60/68	Order Code: 181021-2	SIZE: 5x8x12/13.5	Peculiarity:
	Application: CB-65 CB-72/76/52/53	Order Code: A-81309 (191628-6)	SIZE: 5x8x11/12	Peculiarity:
	Application: CB-55/54	Order Code: 191627-8	SIZE: 5x8x12/13.5	Peculiarity:
	Application: CB-64 CB- 9/10/50/57/60/85	Order Code: 191627-8	SIZE: 5x8x11/12	Peculiarity:
	Application: CB-100 CB- 101/102/103/105/108/114/124	Order Code: B -80298 A-81206 191634-1 (181038-5)	SIZE: 6x10x15/16 6x10x16/17.5 6x10x16	Peculiarity:
	Application: CB-106/104/106A	Order Code: A-81290 (181410-1)	SIZE: 6x10x15/16	Peculiarity:
	Application: CB-152	Order Code: 191642-2	SIZE: 6.5x13.5x16/18	Peculiarity:
	Application: CB-153	Order Code: B-80329	SIZE: 6.5x13.5x16/18	Peculiarity: Can make cut-off
	Application: CB-155/154	Order Code: B-80335 (A-81256) (181048-2)	SIZE: 6.5x13.5x16/17.5	Peculiarity: Can make cut-off
	Application: CB-171/175	Order Code: 194412-8	SIZE: 6.5x13.5x25	Peculiarity: Can make cut-off
	Application: CB-203/204	Order Code: B-80341	SIZE: 7x18x16/18 7x18x18/20.5	Peculiarity: Can make cut-off

	Application: CB-325	Order Code: 181021-2	SIZE: 194074-2	Peculiarity: Can make cut-off
	Application: CB-303/302/327/323	Order Code: 181021-3	SIZE: A-81692	Peculiarity: Tape hook
	Application: CB-325/329	Order Code: 194486-9	SIZE: 5x11x16	Peculiarity: Can make cut-off
	Application: CB-350	Order Code: 181021-5	SIZE: 6.5x11x25	Peculiarity: Can make cut-off
	Application: CB-411	Order Code: 191940-4	SIZE: 6x9x12/13.5	Peculiarity: Tape hook
	Application: CB-69/70/70A	Order Code: B-80276	SIZE: 5x8x11/12	Peculiarity:
	Application: CB-419 CB-406/407/418	Order Code: 191962-4	SIZE: 6x9x12/13.5	Peculiarity:
	Application: CB-458/459/460/461	Order Code: 194723-1	SIZE: 6x9x13	Peculiarity: Can make cut-off

	Application: DEG125	Size: 5x10x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WS 125, AG 125-S BASIC, AG 125-SE, AG 125-A22	Size: 5x10x17	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DAG125 DCG125-S DCG500 WS125	Size: 6x10x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WS180 WS230 DC180 DC230 DCG230 DAG180 DAG230	Size: 6.3x16x22	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE70 AVR TE70 ATC- AVR DD110-D DD120 DD130	Size: 7x12.5x26	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE800 AVR DD150 DD150- U DD160 (2016 YEAR)	Size: 7.5x16x30	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: DD160 DD200 DD250 DCH180 DCH230 DCH300	Size: 6.3x16x22	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE 804	Size: 6.3x12.5x19	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE70 TE80 TE40 TE50 TE500 TE56 TE60 (02) TE46	Size: 7x12.5x26	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE2 TE2-M TE2-S (OLD MODEL) TE6 TE6-S TE6-C SF4000	Size: 5x8.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE 56/56ATC/60	Size: 6.8x12.5x26	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

	Application: TE 6S	Size: 5x8x17.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE 5S	Size: 6.3x10x19	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE7-A	Size: 8x12x16.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE7-C	Size: 5.4x11x16	Feature: Wear resistance and small spark	Peculiarity:
	Application: TE16 M C TE30 M C AVR TE300 TE106	Size: 6.3x10x19	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE54	Size: 6.3x9.6x17	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE 15S	Size: 6.3x10x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: TE 72	Size: 6.3x12.5x23	Feature: Wear resistance and small spark	Peculiarity:
	Application: TE74-C TE75-C	Size: 7x12.5x26	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: TE 74/75	Size: 7x12.5x26	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

	Application: 999021	Size: 6.5x7.5x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: 999033	Size: 7x11x18.5/17	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999038	Size: 7x13x17	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999041	Size: 6.5x7.5x13	Feature: Wear resistance and small spark	Peculiarity:
	Application: 999043 CM4SB2 G15SA2	Size: 7x11x17/18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999044	Size: 7x17x17/18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999061	Size: 6.3x10x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999067 999005 G10SS2	Size: 6.5x7.5x14	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 999070	Size: 6.5x7.5x12/14.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: 999072	Size: 6.5x7.5x12/15	Feature: Wear resistance and small spark	Peculiarity:
	Application: 999073	Size: 7x11x17/20	Feature: Wear resistance and small spark	Peculiarity:



Application:
999074

Size:
7x17/17.2/20

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
999076

Size:
6.5x9x17

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
999088

Size:
6.5x9x17

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
999303

Size:
5x11x18

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
999103

Size:
6.5x7.5x16

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
999153

Size:
6.5x13.5x18

Feature:
Wear resistance and
small spark

Peculiarity:

	Application: DW8310S DW8300S	Size: 6.5x12x13.7/14	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW824 DW456 DW456K DW245 DW826	Size: 6.2x10x13.7/14	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW28400 D28410 D28415 D28420 D28423 D28432C DW28490 D28401	Size: 6.1x16.7x26.3	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW803 DW810 DW811 BK20	Size: 6.2x7.9x13.1	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DWE8100S DWE8100T DWE8110S	Size: 6.2x8x16.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DWE8200S DWE8200T DWE8210S	Size: 6.2x8x16.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DWP849X DWP849XD	Size: 7.1x10.4x14.2/15	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D25430K D25414K D25415K D25052K	Size: 5x9.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DWE8830G DWE8840G	Size: 6.1x15.7x26.3	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D25323K	Size: 5x9.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW830 DW831	Size: 6.1x9.8x20.2	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

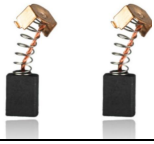
	Application: D28111X D28112X D28110 D28811 D28803 D28065	Size: 6.3x10x14.7/17. 8	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D29136 D2813C D28135 D28137 D28141	Size: 6.4x10x12/15	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW292 DW293 DW294	Size: 7x10.5x17.8	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D26676	Size: 6x8x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: DW341K	Size: 6x7x10.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: DWD012 DWD012S DWD014 DWD016S DWD024 DWD025K	Size: 6.2x8x14.2	Feature: Wear resistance and small spark	Peculiarity:
	Application: DWD112E	Size: 6.2x8x13.4	Feature: Wear resistance and small spark	Peculiarity:
	Application: D25032K D25132K D25133K D25143K D25144K	Size: 6.1x8x15	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D25102K D25103K D25124K	Size: 6.1x7.9x13.1	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW862	Size: 6x11x12.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: D28720 DW733 DW734	Size: 6.8x17.8x18.3	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

Dewalt

	Application: DW561	Size: 7.1x10.4x14.1	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 6902	Size: 6.3x11x19/21	Feature: Wear resistance and small spark	Peculiarity:
	Application: DW476 DW490 DW491 DW492 DW845	Size: 6.3x16x22	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW840 DW841	Size: 6.3x14x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW550 DW557 DW567	Size: 6x8x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: D25700K D25701K D25730 D25840K D25890	Size: 6.3x16x26	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: D28720 DW733 DW740	Size: 6.8x17.8x18.9	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW 540 DW 541K DW543K DW25600K	Size: 6x10x24	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: D25900K D25940K	Size: 6.2x16x26.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DW 306K	Size: 7x10.5x17.8	Feature: Wear resistance and small spark	Peculiarity:

	Application: W8-100	Size: 5x8x15	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WX 19-230	Size: 6x16x24	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WE 17-125/150 Quick	Size: 8x12.5x15	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WX 23-180 Quick	Size: 6x16x22	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 34301135	Size: 6.4x6.4x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: EW 7126 S- Quick	Size: 6.3x8x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: G 500 / Ge 700	Size: 5x10x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: E450/2RL	Size: 6x6x13	Feature: Wear resistance and small spark	Peculiarity:
	Application: SB 651/25 R+L	Size: 6.3x8x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: KS 1785S	Size: 8x14x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: EW 7115	Size: 6.3x8x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

	Application: SBE650/2SR+ LSE6342-2	Size: 6.3x8x16	Feature: Wear resistance and small spark	Peculiarity:
	Application: W 680/780	Size: 5x10x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: KGS 305 M	Size: 6.5x15x24	Feature: Wear resistance and small spark	Peculiarity:
	Application: W9-100/125 W12- 125/150 Quick	Size: 6x16x22	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: W14-150	Size: 6x12.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: BE560/561 B560/561	Size: 5x8x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: EW 7121	Size: 6.3x8x22	Feature: Wear resistance and small spark	Peculiarity: cut-off Active line
	Application: W20-230 WS2030 WS2530	Size: 6.3x12.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: BHE 6030S	Size: 6.3x12.5x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: SXE 450 DUO	Size: 5x8x14	Feature: Wear resistance and small spark	Peculiarity:

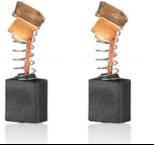


Application:
125mm angle grinder

Size:
5x8x11/12

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
6° angle grinder

Size:
6x10x11/12.5

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
8x14.5x17/18

Size:
6x10x13

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
1020W

Size:
6.4x8x13/14

Feature:
Wear resistance and
small spark

Peculiarity:

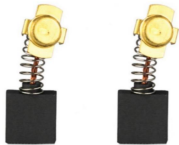


Application:
1050W

Size:
6x12x16.5

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off







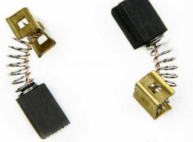





Application:
1700W

Size:
6x12x17/20

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off

CROWN

	Application: KR 70 LSR	Size: 6.3x6.3x13	Feature: Wear resistance and small spark	Peculiarity:
	Application: 940146-01	Size: 6.3x10x21	Feature: Wear resistance and small spark	Peculiarity:
	Application: D700 D820 HD1300	Size: φ6.2x12.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: CD 115	Size: 6.3x8x13	Feature: Wear resistance and small spark	Peculiarity:
	Application: KG 115	Size: 6.3x8x13	Feature: Wear resistance and small spark	Peculiarity:
	Application: G 720	Size: 5x8x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: FF-10A	Size: 5x8x12	Feature: Wear resistance and small spark	Peculiarity:
	Application: 132254-07	Size: 6.3x9.5x13.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: KG 2000	Size: 6x16x22	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: KG 1820 B KG 1825 A	Size: 6.3x12.5x23.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: P12-21 P22-21 PS54-13	Size: 6.3x8x14.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

	Application: P12-21 P22-21 PS54-13	Size: 6.3x8x14.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 72030-00	Size: 6.3x12.5x22	Feature: Wear resistance and small spark	Peculiarity:
	Application: 868203-00	Size: 6.3x10x21	Feature: Wear resistance and small spark	Peculiarity: With brush holder
	Application: GBH38 GBH5DCE GBH5/40DCE GSH4 GSH5CE	Size: 6.3x8.3x14.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: ECO30 ECO32 ECO40 MAB100 MAB400	Size: 6x10x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 6138-40	Size: 7x10.5x14/17	Feature: Wear resistance and small spark	Peculiarity:
	Application: 6138	Size: 7x10.5x15.5/17	Feature: Wear resistance and small spark	Peculiarity:
	Application: SMEA/B SMEA/C B C	Size: 7x12x25	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: DN 820 DN 810 SR 300 P 3703 DN840	Size: 6x8x16.5	Feature: Wear resistance and small spark	Peculiarity:
	Application: 914633	Size: 6x8x16.5/18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off

	Application: WS750	Size: 5x8x18	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: BSPE100X	Size: 5x8x17.5	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: PH20N	Size: 5x8x14	Feature: Wear resistance and small spark	Peculiarity:
	Application: SB 2.16 SB2-500S SB 2.500 SB2E600 C17	Size: 5x8x15	Feature: Wear resistance and small spark	Peculiarity:
	Application: Sander 407380	Size: 8x14x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 1200-125 X	Size: 5x10x16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: WS1800	Size: 6.3x12.5x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: SB2E 16 SB2E 451 SB2E 680 SB2E 750	Size: 5x10x18	Feature: Wear resistance and small spark	Peculiarity:
	Application: SD-19-0486-55	Size: 6x12x20	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: 4931310684 SB2-16ND SB2-700D	Size: 5x8x14/16	Feature: Wear resistance and small spark	Peculiarity: Can make cut-off
	Application: PH350 PH350D PH38 PHD26 PHD38	Size: 5x10x11.5	Feature: Wear resistance and small spark	Peculiarity:



Application:
AGV 16-125 QXC

Size:
5x10x16

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
AGV 20-180

Size:
6.4x12.5x18

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
PPH 24E

Size:
5x8x14

Feature:
Wear resistance and
small spark

Peculiarity:



Application:
545S
500S
900 K

Size:
8x14x19

Feature:
Wear resistance and
small spark

Peculiarity:
cut-off
Active line

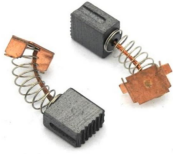


Application:
DWSE 4000Q
TKSE 2500Q
TQSE 1200Q

Size:
5x10x13.5

Feature:
Wear resistance and
small spark

Peculiarity:
Can make
cut-off



Application:
DWT WS115 WS125 BWS960
BWS125E-960

Size:
6x10x11

Feature:
Wear resistance and
small spark

Peculiarity:
Double slotting

	Application: 100A Angle Grinder	Size: 6.5×7.5×13.5	Feature: Wear resistance and small spark	Materials: RB388
	Application: 100A Angle Grinder	Size: 5×11×16.5	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 5×8×15.5	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 5×8×19	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 5×11×16.5	Feature: Wear resistance and small spark	Materials: RB388F10 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 6×11×15	Feature: Wear resistance and small spark	Materials: RB388F10 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 6×9×13	Feature: Wear resistance and small spark	Materials: RB388F10 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 6.5×7.5×13/13.5	Feature: Wear resistance and small spark	Materials: H83
	Application: 100A Angle Grinder	Size: 5×10×14	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: 100A Angle Grinder	Size: 6×10×14	Feature: Wear resistance and small spark	Materials: RB388
	Application: 100A Angle Grinder	Size: 5×11×16.5	Feature: Wear resistance and small spark	Materials: RB388F10

	Application: 100A Angle Grinder	Size: 6×9×12/13.5	Feature: Wear resistance and small spark	Materials: H85
	Application: 100A Angle Grinder	Size: 5×8×15.2	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: 100A Angle Grinder	Size: 6×8.5×13.5	Feature: Wear resistance and small spark	Materials: RB388
	Application: 100A Angle Grinder	Size: 6×9×13	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 100A Angle Grinder	Size: 6.3×8×15	Feature: Wear resistance and small spark	Materials: H82
	Application: 150A Angle Grinder	Size: 7×11×16/19	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: 180/230	Size: 6.3×16×22	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 180/230	Size: 6×16×24	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 180/230	Size: 7×17×19	Feature: Wear resistance and small spark	Materials: RB388
	Application: 180/230	Size: 6.3×16×22	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off
	Application: 180/230	Size: 6×16×24	Feature: Wear resistance and small spark	Materials: RB388 Peculiarity: can make cut-off

	Application: 180/230	Size: 7×17×19	Feature: Wear resistance and small spark	Materials: RB388	
	Application: 150 Cutting Machine	Size: 7×11×18	Feature: Wear resistance and small spark	Materials: RB388	
	Application: 26/28 Cutting Machine	Size: 6×10×17	Feature: Wear resistance and small spark	Materials: RB388	
	Application: 02-355 Cutting Machine	Size: 6.5×13.5×19	Feature: Wear resistance and small spark	Materials: RB388	
HUAYU		Application: 110 Cutting Machine	Size: 5×11×17	Feature: Wear resistance and small spark	Materials: RB388 F10
		Application: 110 Cutting Machine	Size: 5×11×16/17.5	Feature: Wear resistance and small spark	Materials: RB388 F10
		Application: 110 Cutting Machine	Size: 5×11×16/19	Feature: Wear resistance and small spark	Materials: G306 FH
	Application: 02-110S Cutting Machine	Size: 7×11×17/19.5	Feature: Wear resistance and small spark	Materials: H83	
	Application: 26/28 Electric Hammer	Size: 6.5×7.5×12/13	Feature: Wear resistance and small spark	Materials: H94	
	Application: 26/28 Electric Hammer	Size: 6×10×15/17.5	Feature: Wear resistance and small spark	Materials: H83	
	Application: 26/28 Electric Hammer	Size: 6×10×15/16	Feature: Wear resistance and small spark	Materials: H83	

	Application: 26/28 Electric Hammer	Size: 6×10×20	Feature: Wear resistance and small spark	Materials: H83
	Application: 26/28 Electric Hammer	Size: 5×8×17	Feature: Wear resistance and small spark	Materials: RB105
	Application: WU350S Electric Hammer	Size: 6.3×11×20	Feature: Wear resistance and small spark	Materials: RB104 T-10 Pecularity: can make cut-off
	Application: WU350S Electric Hammer	Size: 6.3×11×20	Feature: Wear resistance and small spark	Materials: RB104 T-10 Pecularity: can make cut-off
	Application: Electric Hammer	Size: 6.7×11×20.3	Feature: Wear resistance and small spark	Materials: RB388/G301 Pecularity: With casing
	Application: 02-20 Light Hammer	Size: 5×8×19	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: FF02-93*185 Electric Hand Drill	Size: 5×8×10.5/12	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: FF10-10 Electric Hand Drill	Size: 5×8×10.5/12	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: FF03-6 Flat Edge Trimmer	Size: 6×9×11/12	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: FF-23 Water Drill	Size: 8×13×20	Feature: Wear resistance and small spark	Materials: H83
	Application: FF-30 Water Drill	Size: 6.2×10×19.5	Feature: Wear resistance and small spark	Materials: RB105F10

	Application: FF02-355 FF-255 Electrorephine Circular Saw	Size: 6.5×13.5×16/17.5	Feature: Wear resistance and small spark	Materials: RB105F10
	Application: 04-185 Electrorephine Circular Saw	Size: 6.5×13.5×18	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: 02-12 Bakelite Milling	Size: 7×18×16/20.5	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: FF70*104 Sander	Size: 5×8×14.5	Feature: Wear resistance and small spark	Materials: RB388F10
	Application: PFS1200 Sander	Size: 6×9×20	Feature: Wear resistance and small spark	Materials: RB388
	Application: power tools carbon brush	Size: 5×8×13	Feature: Wear resistance and small spark	Materials: RB388
	Application: power tools carbon brush	Size: 5×8×15	Feature: Wear resistance and small spark	Materials: RB105 Peculiarity: With casing
	Application: power tools carbon brush	Size: 5×8×10	Feature: Wear resistance and small spark	Materials: H94
	Application: power tools carbon brush	Size: 5×8×16	Feature: Wear resistance and small spark	Materials: H210
	Application: power tools carbon brush	Size: 6×13.5×18	Feature: Wear resistance and small spark	Materials: H83 Peculiarity: With casing
	Application: power tools carbon brush	Size: 6.3×9×15	Feature: Wear resistance and small spark	Materials: H83



Application:
power tools
carbon brush

Size:
5×8×15

Feature:
Wear resistance and
small spark

Materials:
RB388



Application:
power tools
carbon brush

Size:
6×10×17

Feature:
Wear resistance and
small spark

Materials:
RB106



Application:
power tools
carbon brush

Size:
5×8×16

Feature:
Wear resistance and
small spark

Materials:
RB388
Peculiarity:
With casing

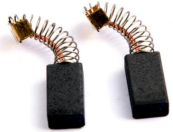


Application:
power tools
carbon brush

Size:
7×10×18

Feature:
Wear resistance and
small spark

Materials:
H83
Peculiarity:
With casing



Application:
power tools
carbon brush

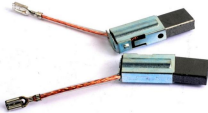
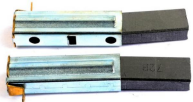


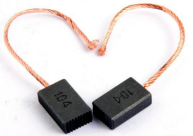



Size:
5×8×16

Feature:
Wear resistance and
small spark

Materials:
RB388

	Application: Wet and dry vacuum cleaner	Size: 7×11×31.5	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: P-type vacuum cleaner	Size: 6.5×10×32	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Vacuum Cleaner	Size: 6.3×11×32	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Vacuum Cleaner	Size: 7.3×13×23.5	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: L-type vacuum cleaner	Size: 5.4×5.4×18	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Square PD carbon brush assembly	Size: 6.5×10×28	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Square PH carbon brush assembly	Size: 6.5×11.5×32	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: power tools carbon brush	Size: 6×8×25	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Square PD carbon brush assembly	Size: 6.5×11.5×32	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: L-type vacuum cleaner	Size: 6×6×23	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: L-type vacuum cleaner	Size: 6×8×21	Feature: lubrication and Original rotate speeds	Materials: 80B/H72

	Application: L-type vacuum cleaner	Size: 5.4×5.4×18	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: L-type vacuum cleaner	Size: 6×6×18	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: L-type vacuum cleaner	Size: 6×8×21	Feature: lubrication and Original rotate speeds	Materials: 80B/H72
	Application: Garden Tools	Size: 6.5×10×28	Feature: lubrication and Original rotate speeds	Materials: H83
	Application: Garden Tools	Size: 9×10×29	Feature: lubrication and Original rotate speeds	Materials: H83
	Application: Garden Tools	Size: 6×8×26	Feature: lubrication and Original rotate speeds	Materials: H802
	Application: Garden Tools	Size: 6.5×10×19	Feature: lubrication and Original rotate speeds	Materials: H83
	Application: Garden Tools	Size: 5×8×24	Feature: lubrication and Original rotate speeds	Materials: H83
	Application: Garden Tools	Size: 8.5×14×32	Feature: lubrication and Original rotate speeds	Materials: X82
	Application: Garden Tools	Size: 6.5×10×19	Feature: lubrication and Original rotate speeds	Materials: H83
	Application: Garden Tools	Size: 6.5×13×19	Feature: lubrication and Original rotate speeds	Materials: H83

	<p>Application: Garden Tools</p>	<p>Size: 6.5x13x19</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: H83</p>
	<p>Application: Garden Tools</p>	<p>Size: 8.5x14x32</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: H83</p>
	<p>Application: Garden Tools</p>	<p>Size: 6.5x10x19</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: H72</p>
	<p>Application: Garden Tools</p>	<p>Size: 5.4x8x30</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: H8013</p>
	<p>Application: Cleaning Machine</p>	<p>Size: 6x11x17</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: RB104</p>
	<p>Application: Washing Machine</p>	<p>Size: 5x12.5x36</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: B12</p>
	<p>Application: Washing Machine</p>	<p>Size: 5x13.5x40</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: A13</p>
	<p>Application: Washing Machine</p>	<p>Size: 5x13.5x40</p>	<p>Feature: lubrication and Original rotate speeds</p>	<p>Materials: A13</p>



Application:
Excellent collector performance for high speed turbine generator slip rings
UG101, the material Equivalentes to LFC 554 and NCC634

Size:
25x32x100,
25x32x60,32x32x100,
32x40x80,
25.4x38.1x102,
support customization

GRADE:UG101
Bulk Density(g/cm³):1.2-1.3
Bulk Resistivity(u Ωm):16-28
Bending Strength (Mpa):4-8
Hardness (shore):16
Contact Voltage Drop (V):2-3.5
Coefficient of Friction:0.15-0.2
Recommended Peripheral (m/s):80
Bacommonded Eurrent Density (A/CM²): 10

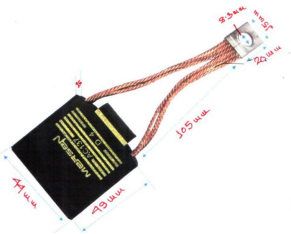


Application:
Especially suitable for the traction motor of low humidity and high humidity conditions.

Size:19.1x57.2x50

Size:19.1x57.2x70

GRADE:T900
Bulk Density(g/cm³):1.68
Bulk Resistivity(u Ωm):51
Bending Strength (Mpa):31
Hardness (shore):72
Contact Voltage Drop (V):1.7
Coefficient of Friction:0.22
Recommended Peripheral (m/s):41
Bacommonded Eurrent Density (A/CM²): 12.5



Application:
in traction motor
AC 137/DE7000

Size:6.25x44x49

GRADE:AC137
Bulk Density(g/cm³):1.72
Bulk Resistivity(u Ωm):5.08
Bending Strength (Mpa):41.2
Hardness (shore):80
Recommended Peripheral (m/s):51
Bacommonded Eurrent Density (A/CM²): 12.4



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

GRADE:D104
Bulk Density(g/cm³):1.476-1.804
Bulk Resistivity(u Ωm):6-14
Hardness (shore):71-110
Contact Voltage Drop (V):1.92-2.88
50H wear and tear ≤mm:0.25
Recommended Peripheral (m/s):40
Bacommonded Eurrent Density (A/CM²): 12



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

Size:25x32x60

GRADE:D252
Bulk Density(g/cm³):1.48
Bulk Resistivity(u Ωm):10.5-19.5
Hardness (rockwell):50.2-97.8
Contact Voltage Drop (V):1.88-3.13
50H wear and tear ≤mm:0.15
Recommended Peripheral (m/s):45
Bacommonded Eurrent Density (A/CM²): 12



Application:
DC motor with high rectification, high speed DC motor, small DC motor and power expansion motor

Size:
7x20x25

Size:
5x16x25

Size:
5x20x25

GRADE:D308
Bulk Density(g/cm³):1.431-1.793
Bulk Resistivity(u Ωm):28-52
Bending Strength (Mpa):
Hardness (rockwell):47.3-107.5
Contact Voltage Drop (V):1.69-3.51
50H wear and tear ≤mm:0.15
Recommended Peripheral (m/s):40
Bacommonded Eurrent Density (A/CM²): 10



Application:

Size:

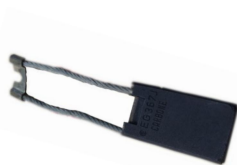
GRADE:D374
Bulk Density(g/cm³):1.4-1.91
Bulk Resistivity(u Ωm):39-75
Hardness(rockwell):30-108
Recommended Peripheral (m/s):50
Bacommonded Eurrent Density (A/CM²): 10-12



Application:
DC motor with high rectification, high speed DC motor, small DC motor and power expansion motor

Size:

GRADE:D374B
Bulk Density(g/cm³):1.46
Bulk Resistivity(u Ωm):45-75
Hardness (rockwell):62-100
Contact Voltage Drop (V):2.3-3.5
50H wear and tear ≤mm:0.2
Recommended Peripheral (m/s):60
Bacommonded Eurrent Density (A/CM²): 12



Application:
It is suitable for Siemens DC motor

Size:
16x25x40

Size:
20x25x44

GRADE:EG367J
Bulk Density(g/cm³):1.54
Bulk Resistivity(u ΩCm):4300
Bending Strength (Mpa):60
Recommended Peripheral (m/s):50



Application:

Size:

GRADE:EG319P
Bulk Density(g/cm³):1.48
Bulk Resistivity(u ΩCm):7200
Bending Strength (Mpa):26
Hardness (shore):53
Recommended Peripheral (m/s):50
Bacommonded Eurrent Density (A/CM²): 12



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

Size:25x32x60

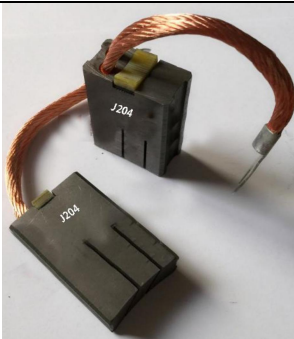
GRADE:J164
Bulk Density(g/cm³):4.986-6.049
Bulk Resistivity(u Ωm):0.045-0.135
Hardness (rockwell):30-92.3
Contact Voltage Drop (V):0.18-0.42
50H wear and tear ≤mm:0.7
Recommended Peripheral (m/s):20
Bacommonded Eurrent Density (A/CM²):20



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

Size:

GRADE:J201
Bulk Density(g/cm³):2.655-3.245
Bulk Resistivity(u Ωm):1.4-5.6
Hardness (rockwell):63.9-102.6
Contact Voltage Drop (V):0.83-2.18
50H wear and tear ≤mm:0.18
Recommended Peripheral (m/s):25
Bacommonded Eurrent Density (A/CM²): 15



Application:
:High current DC motor with voltage below 40v, automobile, tractor starter, asynchronous motor collector ring

Size:

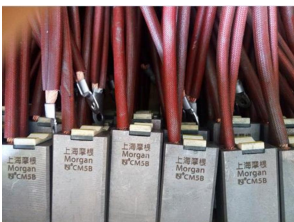
GRADE:J204
Bulk Density(g/cm³):3.636-4.444
Bulk Resistivity(u Ωm):0.24-0.96
Hardness (rockwell):73.2-105.5
Contact Voltage Drop (V):0.61-1.6
50H wear and tear ≤mm:0.3
Recommended Peripheral (m/s):20
Bacommonded Eurrent Density (A/CM²): 15



Application:
Suitable for DC motor and AC motor collector ring below 40V.

Size:

GRADE:CM5H
Bulk Density(g/cm³):3.9
Bulk Resistivity(u Ωm):0.35
Bending Strength (Mpa):23
Hardness (shore):15
Contact Voltage Drop (V):0.86
50H wear and tear ≤mm:0.09
Recommended Peripheral (m/s):30
Bacommonded Eurrent Density (A/CM²): 14



Application:
Similar to CM5H, good commutation performance, suitable for DC motor and AC motor collector ring below 40v

Size:

GRADE:CM5B
Bulk Density(g/cm³):3.5
Bulk Resistivity(u Ωm):0.9
Bending Strength (Mpa):33
Hardness (shore):20
Contact Voltage Drop (V):1
50H wear and tear ≤mm:0.09
Recommended Peripheral (m/s):30
Bacommonded Eurrent Density (A/CM²): 14



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

Size:

GRADE:CM3H
Bulk Density(g/cm³):4.3
Bulk Resistivity(u Ωm):0.2
Bending Strength (Mpa):27
Hardness (shore):10
Contact Voltage Drop (V):0.52
50H wear and tear ≤mm:0.1
Recommended Peripheral (m/s):25
Bacommonded Eurrent Density (A/CM²): 16



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

Size:

GRADE:MC79P
Bulk Density(g/cm³):5.2
Bulk Resistivity(u Ωcm):7
Bending Strength (Mpa):98
Hardness (shore):
Contact Voltage Drop (V):
50H wear and tear ≤mm:
Recommended Peripheral (m/s):20
Bacommonded Eurrent Density (A/CM²):



Application:

Size:

GRADE:CG651
Bulk Density(g/cm³):2.9
Bulk Resistivity(u ΩCm):140
Bending Strength (Mpa):33
Hardness (shore):26
METAL%:49%
50H wear and tear ≤mm:
Recommended Peripheral (m/s):35
Bacommonded Eurrent Density (A/CM²): 12-14



Application:

Size:

GRADE:CG665
Bulk Density(g/cm³):4.05
Bulk Resistivity(u ΩCm):30
Bending Strength (Mpa):50
Hardness (shore):17
METAL%:67%
50H wear and tear ≤mm:0.1
Recommended Peripheral (m/s):25
Bacommonded Eurrent Density (A/CM²): 19



Application:

Size:

GRADE:MC689
Bulk Density(g/cm³):5.95
Bulk Resistivity(u Ωcm):25
Bending Strength (Mpa):145
Hardness (shore):13
METAL%:89%
50H wear and tear ≤mm:
Recommended Peripheral (m/s):20
Bacommonded Eurrent Density (A/CM²): 25-30



Application:
Wind power grounding brush

Size:

GRADE:MA1147
Bulk Density(g/cm³):2.65
Bulk Resistivity(u Ωcm):1.94
Bending Strength (Mpa):29
Hardness (shore):25
50H wear and tear ≤mm:0.25
Contact Voltage Drop (V):1
Recommended Peripheral (m/s):35
Bacommonded Eurrent Density (A/CM²): 18



Application:

Size:20x40x100

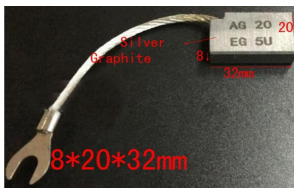
GRADE:MG1147
Bulk Density(g/cm³):2.96
Bulk Resistivity(u Ωcm):0.48
Bending Strength (Mpa):
Hardness (shore):24
Contact Voltage Drop (V):1.8
50H wear and tear ≤mm:
Recommended Peripheral (m/s):
Bacommonded Eurrent Density (A/CM²):



Application:
Wind power main brush
Suitable for dry high altitude
environment wind turbines

Size:20x40x100

GRADE:MG1157
Bulk Density(g/cm³):2.73
Bulk Resistivity(u Ωcm):0.66
Bending Strength (Mpa):
Hardness (shore):26
Contact Voltage Drop (V):1.8
50H wear and tear ≤mm:0.25
Recommended Peripheral (m/s):
Bacommonded Eurrent Density (A/CM²):



Application:
Wind power grounding brush

Size:
8X20X32
8X20X50
8X20X64
12.5X25X64

GRADE:AG20EG5U
Bulk Density(g/cm³):
Bulk Resistivity(u Ωcm):
Bending Strength (Mpa):
Hardness (shore):
50H wear and tear ≤mm:
Recommended Peripheral (m/s):
Bacommonded Eurrent Density (A/CM²):



Application:
Wind power main brush

Size:
20X40X100

GRADE:CG626
Bulk Density(g/cm³):2.88
Bulk Resistivity(u Ωcm):5
Bending Strength (Mpa):60
Hardness (shore):
50H wear and tear ≤mm:
Recommended Peripheral (m/s):35
Bacommonded Eurrent Density (A/CM²):

	BX13 2-CM001 12V	12Volt 6x14x23.5	1107014100100432001,0.DSK2/27 0101206037:0101352005.008 0101354023:0101355040 GIJ,RJH130/150/12/1500/1600/2100
	BX19 2-CM00124V	6Volt 6x14x23.5	Opel,BMW-Ford, Skoda1107014103 1004320016,DSK2/34Z RJH130/6
	BX147	6x14x23.5	Rex-TrabanMoto GuzziSarj-Mars2017014100
	BX68(4) 4-CM002	12/24Volt 6x28x30.5	Volvo,Bussing,ScainaVabis600 1107014118 2104320105WSK38L2Z 0101206135,157 0101209031,33,37,41 0101500001,5,6,15,18,21,23,27 0101501001,2,9,15,21,27 -29,36,39,51,55,62 -67 0101502001 0101503009 0136501,12,44GQ300/12/950,400/24,GQL600/12/24QL(R)28V/38/ 75A/14/15
	BX104(2) 2-CM00312V	12Volt 6x22x25.5	Mercedes 1107014116 2104320074 0101353005,12,14,22,25,29,37 0101401010,15 0101402001,2,7,8,11,28,31,43,47,49,50,55 -57 0101404013,16,19,20,23,26
	BX140(2) 2-CM00524V	24Volt 6x22x25.5	2107014007 2104320084 010120601201 01402010.11,59-64,73,78-80.83-85 0101404011,13,19,23
	BX67-104(4)	6x22x25.5	MANMercedes,Steyr3001107014113
	BX109 (2)	8x28x33.5	Magirus,Henschel0tobus 1107014110
	BX109(4)	8x28x33.5	Magirus,Henschel0tobusE.M 2107014012
	BX192(4) 4-CM016	12/24/Volt 8x28x33.5	2107014012 2104320064 0101209060,65,68 301010302022,25,27,29,35,39,44,56,84,105,1110101601003,5,21,2 2,24,73,92,93,96,98,100102 - 104,106,114,116,118,120,122.126128,140,142.149,160,166,168,171 -179186189-191194,195

	BX129	6x21.5x25	VM. MERCEDES.Massey.Ferguson 1107014127
	BX132	6x21.5x25	MasseyFerguson 1107014120
	BX135	12/24Volt	Mercedes, Opel 1107014128
	2-CM004A	6x22x25	1104320047 2104320012 0101302022,23,25,26,29,35,39,44,47 051,56,76,95,96,98,100,105 0101356007,9,26 GJA160/12:GG130/160/240/12
	BX151(182)	10x5x18	MAN, Magirus, Opel 1127014000
	2-cM-007		1124320000 0120400507,10,17,19,22 -24,26,29-31,533-37,40DK1/14V35A
	BX162	10x5x17	A.Romo.Audi.BMW.Mercedes,Ford,Volvo 1127014001
	BX182	12Volt	1127014009
	2-CM012A	10x5x17	1124320029 0120340001 0120400504,5,7,10,17,22,24,26,29 -31,33
	BX198	12x24Volt	1127014014
	2-CM018B	10x5x17	1124320002 0120400505,7,8,18,22,23,25,29,31,33,36,
	BX165	12Volt	1107014140
	CM-00812V	6x22x25	1104320014,44 0101302067.68,70,74-76,83-86,89.107,8.11 -20 BX181CM-011
	BX181	12Volt	10101304002 -5,7,9,13,14,16-18
CM-011	6x22x25	G(L/R)14V30/38A	
BX187			1107014146,2104320012,1104320047, 0101302002.6-8,13-16,21-29,35,36,39,44 , 1107014016=BX181 1107014146



BX167

5x10x20

**Atias Copco
1107014141**



BX172

8x5x15

**Audi,BMW,Mercedes,J.Deere,Ford,Magirus
1127014000**



BX201

8x5x23.2

**Magirus, Scania
1127014016=BX2151127014027**

**BX202
2-CM021A**

12/24Volt
8x5x19.5

**Mercedres,IHC,Magirus,MAN,SAAB, Scania
1127014017
1124320046/054
0120400519.948,50.52 -54
0120450010.12.14 -17,22-29
0120469518 -22,26,27,32,40,49,62,69,79,80,85**



BX213

6x4x17.5

**AltematorNo:0120489293,309,475,481,
K1j4/28Y.45 -65A
1127014028**



**BX193
2-CM017**

6x22x25.5

**1107014145
2104320007
0101304006,7.8**

	BSX8	7x16x22	Opel. Merced. BMW. VW. Ford 1107014110
	BSX82	24Volt 7x16x22	StarterNo:0001308001,6,8,9.100 2007014041
	BSX43 4-CM028	6/12Volt 7x16x22	110701411010043200590001203005,8 -11,16,190001204005 0001205003,5,7,9,10,12,13,15,170001217001 0001304002,10,12,13,19,230001305001,2,8,10 - 13,160001306011.13 0001307004,7-12,14-17,19-22,24,25 00013090010001312001 EED0,5/6:0,8/12;EGD0,5/0,6/6,1/12EGE1/1,3/12
	BSX43(4)	7x16x22	BMC, Mercedes,M.Ferguson 1007014110
	BSX12 4-CM0246/12V	6/12Volt 9x13x25.5	Inter, Hanomag. Steyr, Mercedes 1007014100, 2004320006 0001354006,12,16,18,25 -27,29,31,33,34 0001355012, 0001356001, 0001363001, 9000143200.1 EJC,EJD.0.8/6:EGD1/6 EJD,EJB.DD(R)1.8/12
	BSX39 4-CM02424V	24Volt 9x13x25.5	2007014002, 2004320008 0001355009,11,13,15 -17,19,20 EJD1.8/24
	BSX33 4-CM02512V	12Volt 9x20x28.5	1007014106, (2007014020) 2004320066, 0001400016 0136401005, BNG2,5/12:4/12
	BSX34 4-CM02524V	24Volt 9x20x28.5	ScaniaVabis,MAN,Magirus,Volvo 1007014107 (2007014021) 200432006887 0001401071 0001402001,7-9,11,12,18,23,34,41,43,44,50. BNG,KG9R04/24
	BSX35 4-CM026	12Volt 12x20x28.5	Mercedes, Volvo,Magirus, Volvo 1007014109 (2007014047) 2004320091.98 0001401002,4-7,11,13,15,17,26-29,35-37,39041,43-47,49- 53,57,60-62,66-71,73



BSX 36
4-CM027

24Volt
12x36x30

Mercedes, Volvo, Maginus, Volvo, Mercedes
1007014105
2004 320053
0001501001 -3,5,6,13,14,19,24,31,32,34,35,38,41
QD24V,5.5KW



BSX44(4)
4-CM029

12Volt
8x22x22.5

Allas,Merceds
2007014006
2004320074,80,85
0001356003
0001358005,10,14,17,18,20,21,23,26 -28.
003,35,37,38,40,41,46-51,90
EJD3/12



BSX52
4-CM031

6x12Volt
7x14x17.5

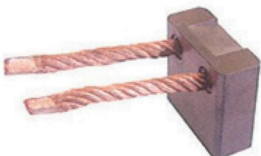
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2007014000 , 2004320043
0001100003,4
0001101,004
0001104005,7
0001154001,5,7
000115504.9.14
9000141004,6,8,17,18
CD0,3/0,4/6.5/12
CDD0,4/60.5/12
EDD0,4/60.5/12



BSX55-57
2-CM032
2-CM033

2Volt
9x13x25.5

2007014010
2004320117
2004320115
0001356002.3
EJB,JB(R)1,8/12



BSX62
4-CM036

12Volt
10x25x23

2007014011
2004320203
0001359001,4,6-8,11-14,16,18,19,21
024-26,28,30,31,33-35
9000143000-2
JD(R)4/12

	BSX74 4-CM039	12Volt 7x14x17.5	2007014024 2004320044 0001102003-6.9 0001104005.7 0001105002.3 0001155001-4,6,8-10,14-16 0001157010 0001158001,2.8.99000141001,6-10,17,18
	BSX75 4-CM040	12Volt 7x10x18	Ford,Gxl,Opel,Merceds 2007014026, 1004320026, 2004320172,173,180 0001208039-41,44,49,51-54.100 0001211200,1,4,6,9,989-91.97.98 0001212006-8,11.13, EF(R/L)0.7/0.8/12
	BSX99	7x10x18	Mercedes303,FiatKamyon,Iveco,RenaultKamyon 2007014036
	BSX127	7x10x18	Audi,A, Romeo, Ford, WW, Renault 1007014132
	BSX86-87	10x25x23	50NC, AS, 600.MAKOMARSMOT 2007014044=BSX962007014052
	BSX96 4-CM046	12Volt 10x25x23	2007014052, 2004320220 0001358200-2 00013590001-4.6-810-14,16,18-21.23-41 043-51.53-69, 71-76, 81-92, 94-99, 100-2.4-14,17-19,22.24
	BSX136	10x25x23	FordKamyon 2007014063
	BSX85	8x25x23	2007014022=BSX100, 2007014049 Merceds302 2007014022
	BSX85-86	8x25x23	Dal,F-2000,FialNC,DC,Iveco120,145 2007014 2004320217
	BSX100 4-CM047	24Volt 8x25x23	0001360002.3,7,8-10,12-19,22-27,29-45.047-51.54-61.63-65 0001364100.2-6,8,200-5 900143300-5.501
	BSX91 12-CM043	24Volt 9x20x27	2007014046, (1007014124) 2004320280, 0001510017 0001600003,6,10-12, 0001601001,2,7, 0001602002.3, 0001603005.6, 0001604011, 0001608007, 0001611001.2



BSX93
4-CM044

24Volt
9x16x25.5

2007014016
2004320122,125,127
0001363001101
2007014053, 2004320124, 0001357002
0014362001-9,11-17,19,
021-25,27-30,32-33
9000143400,2,4-7,9

BSX102
4-CM048

12Volt
9x16x25.5



BSX94
4-CM045

24Volt
9x40x27

2007014045
2004320276
0001604002,12.14:606001,
0001607001,2:609003:610001:614001
B001620007



BSX101

9x16x18

Mercedes, Magirus
2007014040=BSX139

BSX139
4-CM056

12Volt
9x16x17

2004320038
alternativ zuBSX137-143
JF-Starter



BSX131

24Volt
10x36x27

2007014061=BSX148 2007014070

BSX148
4-CM059B

DAF, Mercedes, Man, IvecoKamyon
2007014070, 2004320285
00014160001-40,42, 00014170001-55



BSX134

10x25x20

12301HCPick-Up
2007014062

BSX134-144

12Volt

Daimler, Ford, IvecoKamyon, Traktor, Flat Trator

2-CM052A
2-CM052B

10x25x17
10x25x17

2007014062, 2004320101, 2004320102, 0001367001-18,
20-46,48,50,51,54-59
61-64.066,68.300
9000143412.15,16,19

	<p>BSX 137-143 2-CM054A 2-CM054B</p>	<p>12Volt 9X16X17</p>	<p>Flat Traktor,Ivec Turbo Kamyon, Daimler Kamyon 2 007 014 065,68 2 004 320 296 0 001 362 034-36,38,39,41-43,45-53, 057-64,6769-79,81-86,88- 100,300,1,5,22,600 -6</p>
	<p>BSX 138-142 2-CM055A 2-CM055B</p>	<p>24Volt 9X16X15.5</p>	<p>0001366001 -6,8-22,24-29 9 000 143 203,4,408,11,13,14 2 007 014 069 2 004 320 298</p>
	<p>BSX 140</p>	<p>7X16X15</p>	<p>Opel Astra d,Volkswagen Caddy d. Jetta d, Goif,Audi, Citroen,Ford Granada, Voikswagen Kamyon,Iveco 1 007 014 038</p>
	<p>BSX 146 4-CM057A</p>	<p>12Volt 7X10X14</p>	<p>1 007 014 137 1 004 320 911 0 001 211 500,2,4,6,8,10,25,27,29</p>
	<p>BSX 147 4-CM058B</p>	<p>12Volt 10X36X27</p>	<p>Nissan Patrol,Fiat Traktor (F)Renault, Volvo Kamyon, 2007014067 3T 0844 Caterpillar 2004 320017 0 001 420 001-15,24-27 3T 4583,6Caterpillar KE(R)7.5KM</p>
	<p>BSX 149 4-CM060B</p>	<p>12Volt 7X10X14</p>	<p>1 007 014 139,141,145 1 004 320 101,102,103 0 001 208 501,6-8,10,13-21 702,5-9,11-13,15211 512,13,33,35,36 1 001 711 512,13,15 9 000 333 106,9,14,17,20,21 EF 0.85/0.95 KM</p>
	<p>BSX 156</p>	<p>12Volt 7X10X14</p>	<p>Peugeot 405,Audi 100-200 1 007 014 145=BSX1491 007 014 139 1 007 014 141 =BCMx 1491 007 014 139</p>

Bosch Starter carbon brush



**BSX 151
4-CM061B**

**12Volt
7.5X18X19**

**WV,Mercedes 190 d,Vito, Kamyon, Bmw
1 007 014 143, 1 004 320 912, 0 001 218 001-29,100-176,
9 000 331 401,2,5-9,11-15,17-24,26-28,30,32
EV(R/L) 12V 2.2KW**

**BSX 151/0
4-CM061**

**12Volt
7.5X18X19**

**1 007 014 143 w/o.clip
1 004 320 112**



**BSX 152
4-CM060B**

**12Volt
7X16X15**

**1 007 014 144
1 004 320 106
0 001 317 014.20
GF 1.7KW**



**BSX 161-162
2-CM068A
2-CM068B**

**12Volt
5X12X11.6**

**Peugeot 205,Audi 80-90,Citroen AXVW Passat
(1004 336915-17,28-29-52-53)
1 004320118
1 004 320 119
0 001 114 003-6,8-10,14-17,20-22
DMR12V 0.8/0.9/1.0KW
DM L 12V 0.9/1.0KW**



**BSX 163-164
2-CM065B12V
2-CM065B 24V**

**12Volt
10X25X15**

**2 007 014 071,73,76
2 004 320 108
2 004 320 109
0 001 367 004,12,18,47,49,52,65,69 -73, 301
0 002 369 001-20,200
JFR 12V 3.0/3.1KW**

**BSX 155
4-CM063**

**12Volt
10X25X15**

**2 007 014 071
2 004 320 135
0 001 369 001-5
IF 3.1 KW**



**BSX 165
4-CM070**

**12Volt
7.5X18X18**

**9 003 337 001
9 003 334 321
0 001 219 001-14
9 000 331 201,203
EV (R/L) 2.5KW**



**BSX 151
4-CM061B**

**12Volt
7.5X18X19**

**WV,Mercedes 190 d,Vito, Kamyon, Bmw
1 007 014 143, 1 004 320 912, 0 001 218 001-29,100-176,
9 000 331 401,2,5-9,11-15,17-24,26-28,30,32
EV(R/L) 12V 2.2KW**

**BSX 151/0
4-CM061**

**12Volt
7.5X18X19**

**1 007 014 143 w/o.clip
1 004 320 112**



BSX 170

12X36X18

Alfa Beka, Mercedes



**BSX 170-171
2-CM07312V
2-CM07324V**

**12Volt
10X25X15**

**2 007 014 077,085
2 004 320 196.165
2 004 320 197,166
0 001 372 001-005
JE(R) 6.2KW
Brush-Holder 2 004 336 085-087**



**FATIH DEV
KAMYON**

10.6X36.6X27

CAT IS mak,DEV FATIH Kamyon, Delco Tip2005825077



**BSX 172-173
2-CM074A
2-CM074B**

**24Volt
12X36X19**

**Bosch ALFKB Tipi Mars Motorlari
2 007 014 079, 2 004 320 244, 2 004 320 245
0 001 416 063-66.68-78, 0 001 417 056-072
KB(R) 5.4 KW, KB(R) 6.6 KW**

**BSX 178-179
2-CM074A
2-CM074B**

**12Volt
12X36X19**

**2 007 014 080, 2 004 320 240
2 004 320 241, 0 001 418 017
KB(R) 3.6 KW**

**BSX 180-181
2-CM074A
2-CM074B**

**12Volt
12X36X19**

**2 007 014 081
KB(L) 3.6 KW**



BSX 175-176
2-CM077
2-CM077

12Volt
5X12X11.6

1 0村04 336 801,21,42
937,38,51,57,64,70,75,85
1 004 320 154,156,169,155,157,170 , 1 001 106 011,15
0 001 107 003-13,15-30,33,37-39,41
043-45,48,19,52-56,62,63, 066-69,72,75,83,85,87,89
0 001 121 006,7,9-11
DB/DW(L)1.1 KW, DW(R)1.1-1.2KW

(1 004 336 822)
1 004 320 158 mono, 0 001 116 001.3
DM(R) 0.7KW



BSX 177
4-CM076

24Volt
9X36X18

2 007 014 072.082
9 001 453644
2 004 320 271
0 001 371 001,4-13
9 000 453068
JE(R) 6.0KW
JE(R) 6.7KW
Brush-Holder 2 004 336 077/078
ScaniaT144 GA



BCMX 182-183
2-CM077
2-CM078

12Volt
6X20X15.5

(1 004 336 373)
1 001 320 161
1 001 320 162
DW 2.2KW

BSX 192-193
2-CM082A
2-CM082B

12Volt
6X22X15.5

(6 003 AD0 014,159,161)
6 003 AD0 011
6 003 AD0 012
0 001 223 001,2,2,10
500.1,5
EV(R) 2.3/2.6KW



BCMX 184-185
2-CM080A
2-CM080B

24Volt
4.6X12X11.2

(1 004 336 502)
1 004 320 163
1 004 320 164
SUL 1.1KW

BSX 190-191
2-CM081A
2-CM081B

12Volt
6.4X25X16.5

(6 003 AD0 130,156,176,380) , (9 003 334 363)
9 003 334 359, 9 003 334 360
0 001 231 002-4.7.9-12
EV(R) 4.0KW
Mercedes 7-9t,1,1t,13t,15t
Atego, Citao,Vario



BCMX 194-195
2-CM083A
2-CM083B

12Volt
7.5X27X16.5

(6 033 AD0 166.374)
(9 003 334 368)
9 003 334 361
6 003 334 362
0 001 230 001-9.11
EV(R) 3.0KW

C.A.V Starter Carbon Brush



AX32
2-CM001

7.9X6.3X13.5

6067-69
6019-372
AC7A24.AC7B24-212



AX125

7.2X4.2X16/17.5

Mako Altemator,Fiat Turk Traktor.Ford.
Anadol.Otokar Magi.
Otoyo Iveco.Renault, TZDK, M Ferguson, BMC Leyland7 970 745/1

ASX5-6

12x14x26

C.AV
6068-4



ASX7
2-CM002B

24/32Volt
9X20X26

C.A. V, Commer,M Ferguson
6068-2
5586-12A
BS524,BS532

ASX8

9X20X26

C.A. V, Austin, Commer
6068-1

ASX11
2-CM002C

12Volt
9X20X26

6068-8.6068-28
6211-67.5933-337
CA4512.CA45,C12.CA45LC12.A45D12

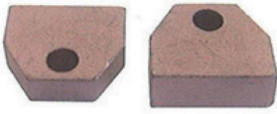


ASX19
2-CM002D

12Volt
9X20X26

6068-34,-18
6211-4105933-530
CA4512.CA45C12,CA45LC12CA45D12,CA45F12

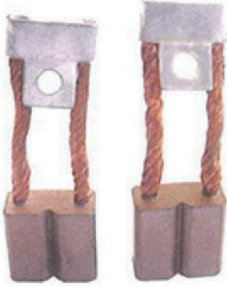
DELCO-REMY Starter Carbon Brush



RX 60
4-CM007A

12Vot
6.3X19.05X16

Chevrolet,IHC,GMC, Buick
1906945.966(D757)
1107201.1107619-895.
1108284.1108300-8307,8390,9439
199829
5 MT,8MT.10MT
Hyster Stapler



RX 70(4)
4-CM008C

24Vot
9.5X19.05X19

John Deere, JHC, Mack, Chevrolet
1906986
40 MT(2 Sets)



RX 92
4-CM008B
50MT(3 Sets)

24Vot
7.9X19.05X19

Caterpillar.ABDis Mak
1906989
1109960-98



RX 120/0(2)
1-011A
1-011B

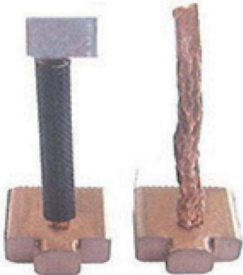
12Vot
6X16X14

3471625
3471009 w/o.Brush-Holder
3471024
3471150

RX 120/0(4)
1-CM011A
1-CM011B

12Vot
6X16X14

3471783.3471834
3471009 w/o.Brush-Holder
3471022
3471024
3471155,169,170,173,176



RX 120 (2)S
1-CM011A
1-CM011C

12Vot
6X16X14

3471009 w/o.Bursh-Holder
3471024 w.clip

RX 120 (3)s
1-CM011A
1-CM012B
1-CM012E

12Vot
6X16X14

3471009 w/o.Brush-Holder
3471022 w.clip
3471024wclip

DELCO-REMY Starter Carbon Brush



RX 120 (4)S
2-CM011A
1-CM012E

12Vot
6X16X14

Opel Corsa, Ascona, Manta Voyage
3471009 w/o.Bursh-Holder
3471022+3471024 w.clip



RX 122
4-CM013A

12Vot
9.5X38X19.5

Delco-Remy 40 MT/Type 400,450 Series 12V1852884
40MT 400.450

RX 122H
4-CM013B

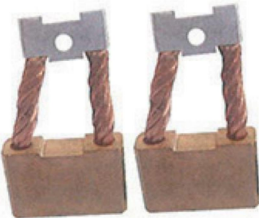
24Vot
7.9X38X19.5

Delco-Remy 40 MT/400,450 24/32V1852883
40MT 400.450

RX 124
4-CM013BRX

24Vot
7.9X38X19.5

Delco-Remy 50 MT/Type 400, 450 Seres 12V1852888
50MT 400



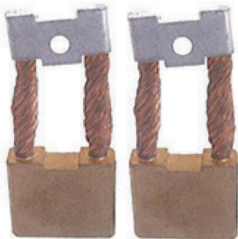
RX 134
4-CM015A

12Vot
10.5X36.6X24.4

Delco-Remy 42 MT Series12V
1852892
42MT
1852894
42MT

RX 134H
4-CM015B

24Vot
10.5X36.6X24.4



RX 135
4-CM016A

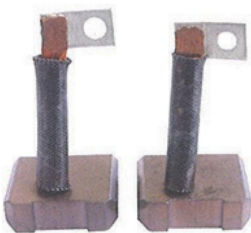
12Vot
9.6X28.7X25

1852889
37 MT,41MT

RX 135H
4-CM016B

24 Volt
9.6X28.7X25

1852893
37MT,41MT



RX419-420
2-CM017A24V
2-CM017B24V

24 Volt
7.9X24.8X19.5

10457119
10457120
10479600,05,08,11,12
1113272,77,91
28MT

RX457-458
2-CM017B12V
2-CM017A12V

12Vot
7.9X24.8X19.5

10456457,10456458
1113273-82.86-88.90
292,95-97,323-451
28MT
Clark, Hyster,MF



PHTX 1
2-CM057

12Volt
8X6X19

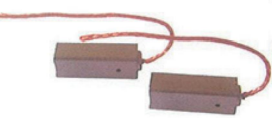
L119N-1361
Hino
suzu
Nissan
6-403-3127-80
9-8221-2104-0
23135-14800/-73500



PHTX 5
2-CM061

12Volt
8X5X26.5/25

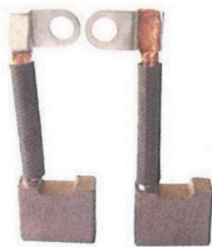
L170-2325/-4325
L180-1325, L1110-1325
Mazda, Nissan
121
23142-1P000/-19V01/-50Y05
-60U00/-64J00, PHTX 6
2-CM062
L170-1325
suzu, NISSAN, Subaru
8-9446-2850-0
23142-58500, 23735-KA000



PHTX 7-8
2-CM063

6X7X20/18

BULLDOZER D 150A-1,D355A-1DOZER SHOVEL D95S-1.DUMP
TRUCK HD320-2PAYROADER JH90EA EV.
WHELL ROADER W70 90 120 170
BULLDOZER D80-18.D85-18.D95-2POWER SHOVEL PW60
100.MOTOR SCRAPER WS23S-1.



PHTSX 1-2
2-CM064B
2-CM064A

12Volt
6X16X14

2108-2305/-4305/-63052108-2306/-4306/-6306
Daihatsu
suzu
Nissan
2108-23052108-2306
9-8211-16310
9-8211-16320
23379-09900
23380-10600



PHTSX 3
4-CM065F

24Volt
9x20x26

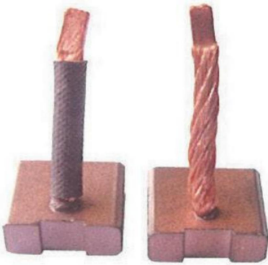
2250-1322
Isuzu
Nissan
9-8211-1603-09X20X269-8211-5114-01-2174-0030-0
23331-90001
23331-90004
23379-61502



PHTSX 4-5
1-CM066B
1-CM066

12Volt
7X16X16.5

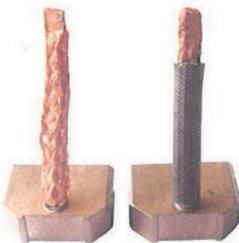
2114-2313
2114-6312
Isuzu
9-8211-16440
9-8211-16450
23379-19900
Nissan
23380-19900



PHTSX 6-7
2-CM067A
2-CM067B

12Volt
8X19X18

2130-6312
2130-9311
suzu
Nissan
8-94028-460-0/-464-0
8-94228-440-08-94228-440-0
8-94228-464-0
23379-V070023380-V0700



PHTSX 8-9
2-CM068D
2-CM068C

12Volt
8X25X18

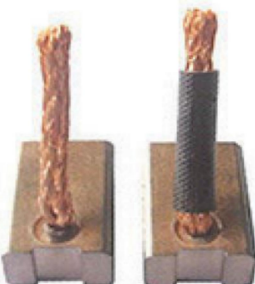
2130-5312,2130-8311
2250-5322,2250-5323
Isuzu
1-81116-023-0,1-81116-024-0
5-81116-024-0,5-81116-025-0
8-97030-389-0
Nissan
23379-J5500,23380-J5500
23331-Z9002,23331-Z9003
23331-Z9001



PHTSX 16-17
2-CM072D
2-CM072c

12Volt
8X14.5X22






2120-1311,1312,2120-4311,5312
2120-7311
Guzu
Nissan
9-8211-16510,9-8211-16520
9-8211-16460,9-8211-16470
23379-37500,23379-37502
23379-37503
23379-6500023380-37500
23380-37502,23380-37503
23380-65000



PHTSX 18-19
2-CM72B
2-CM72A

12Volt
8X14.5X22

2120-731223379-G7000
2120-931123380-G7000
Nissan

	LAX 7=FX103	5.5X19.05X18.2	M.Ferfuson Th.Trader.Anadol227611
	LAX 9=FX104 2-CM002	6.35X19.05X15.9	Austin, Bedford, BMC, Fordson Traktor 227305(USB103) 227304.2615 C39P,PV.V.ZV.XV
	LAX 23=FX1052- CM002	5.5X19.05X18.2	227541(USB104) 229252,C40PV.-1 22700,3-5,13,15,16,18,19,32,42,44,47-49.55,57,63,65- 67,71,72,75,79,80,85-91
	LAX 29	5.5X17.4X23	Fordson2000-3000-5000Traktor 542106361
	LASX 15-16 2-CM006B 2-CM006C	7.9X19.05X22.2	Austin, Commer,Dodge, Ford, M. Ferguson 271735(TAB 125) 271491.5426 271493.5426 M45G,M113 26147,48.51,53,54,63,66,78,89,92,93,96,9826200,1,8,15,19,20,33,3 6,38,48,55,56,59,64,66-71,75,78-81,83,85-88 26300-2,6,10,20,21,46-48,64,70-73,75,81,83,85,90,91.94.96 26400.12.13,22 27403.5,6,9-14.16-28,31-33,35.36.38-40,43,46,47,49,52,57- 59.63,65,68-70
	LASX 31 4-CM006B	7.9X19.05X22.2	54258592(TAB119)54257238 54258280(cable 65 mm.)M50 26211,91, 26338,39,95
	LASX 36 4-CM007B	9X20X24.5	Ford D 750-1210.BMC 100,135,140 54259571(TAB118), 54258780.54, M50.M127 26227,34,46,65,73,74,82,84,90,94,95,97,9826304,5,12,16,17,23,29, 36,37,41-45,49,5152,55,57- 61,63,65,66,69,74,76,78,79,84,86,88,89.93.9826402 -47- 11,14,16,20,21,23,27-31,33-37.2730427500-9.11-16,18-28.31- 34,36-41,43,45-47, 50-54.56-59.63-65
	LASX 42 1-CM007C	9X20X24.5	M.Ferguson 54244979 54258779 M50



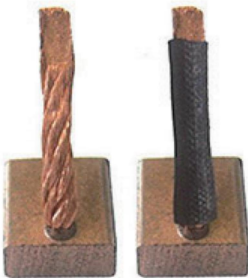
LASX 44-45
1-CM009A2 10.3/4.7X13.3X17.5
1-CM009B2J

60600196(TAB116)
54243725
25631,59,68,70,77-83,94,97
25700,1,45
M100



LASX 46-47-48
1-CM009B2J 10.3/4.7X13.3X17.5
2-CM009B

60600205(TAB114)
25696
M100



LASX 75 12volt
4-CM012 6.8X13.8X9

Brushes only
5429088754290888
60600936(TAB)133M78 clock
60600946(TAB)134M78 clock
60600944(TAB)133M78 anticlock
26701 A/J,26702 E/K,26707 A/L,26713 A/D
26715 B,26716 B,26717 A,26800 D/H,26801 B/F
26802 B,26803 A/D,26804 A/E,26808A,26809A
26810 A,26813 A,26813A,26814A



LASX 76 12volt
CM013 6.8X19.8X9

Brushes only
54290885.54290886
60600919(TAB138)M80 anticlock
60600920(TAB132)M80 clock
26903 B/D,26905 A/D,26907 B,26908A/B.
26909.B/DM26910 D/FM26911 B/D,26912 E
26913A,26914A/F,26915 A/D,26916 A,
26917 A,26918 D,26920 A/EM26922 B.26923 A/D.
26924 B,26927 A,26928 A,26929 A/B.26930 A
26931 A/B,26932 A,26935 B,26936B



LASX 73-41
1-CM010D2 9/3.5X11.6X15.9
2-CM010D

60600767(TAB103)
9937303FIAL
54265216
25326,31-3335-40,44,49-51,54-57,59-6265,66,69-72,74-80,82-
85,87-89,97.9825404,5,10,11
M90



MASX 29

10X25X23

**MAKO-MT-68 Mars Motoru.12Vol
723632/03-04**



**MASX 3
4-CM002D**

**24Vol
9X20X26**

**743 713 10,090 10905
MT31AC.43DC
632131 27,632143 49**



**MASX 13-14
2-CM003D
2-CM003C**

**24Vol
8X25X23**

**723 632 01.09927791
723 632 02.09927792
MT67A.AA,AB,AC,B,BA,C,CA,D,DA,DB.F
FA.FB.G,HL8X25X23
632167 01-04.06-08,10,25-27,33,38,40.47,48.63
24V-4KW**



**MASX 15-16
2-CM004C
2-CM004D**

**12Volt
10X25X23**

**723632 03/05/07,9929080
723 632 04/06,9928448
MT68AA,AB,B.BA.H,LA,LB,MMA.MB.P.PA.Q.QA.R
632 168 02,8,11,14,15,16,25,26,27,3351,59,73,74,76,98
12V-35KW**



**MASX 21-22
2-CM004B24V
2-CM004A24V**

**24Volt
8X25X23**

**(721 650 01+721 659 01)
721 624 02
721 624 01
MT67AD.CB
632 167 31.41
24V-4.0KW**



MASX 17-18
2-CM005D 12V
2-CM005C 12V

12Volt
9X16X23

Mako-Mars Motoru 12Volt
723 837 01,09956556,79019316
723 837 02,09956552,79019317
MT71A.D.E.FA.H.LLAN.R.S.TU.V.Z
632 171 01,04-08,10,12,16-21,25,38,47,73,82
174 01-04

MASX 19-20
2-CM005D24V
2-CM005C 24V

24Volt
9X16X23

723 837 03/05, 723 837 04/06
MT72AB
632 172 25
24V-3.0KW



MASX 21-22
2-CM004B 24V
2-CM004A 24V

24Volt
8X25X23


(721 650 01+721 659 01)
721 624 02
721 624 01
MT67AD, CB
632 167 31,41
24V-4.0KW



MASX 23-24
2-CM004B12V
2-CM004A12V

12Volt
10X25X23

MAK0-MT-71 Mars Motoru12Volt
(721 650 01+721 658 01)
721 62404
721 624 03
MT68AD,LCMC.PAPB RAST
63216817,18,3152,61,84,96
12V-3.5KW

	<p>PMTX1 2-CM005B</p>	<p>12Volt 7X6X14.5/13.5</p>	<p>A648C01371 Mazda, Nissan A648C00570 Mazda 4002-24-552, 23135-73010 0208-24-522, 2994-24-552 MD602458 Mitsubishi Nissan 23135-14610/-/21010 23135-76200/-H0110</p>
	<p>PMTX5 2-CM006</p>	<p>12Volt 7X6X23</p>	<p>A648D01970,1971 Mazda Mitsubishi 8599-24-522 ME700424 ME701186 MM502377 Nissan 42752-J5500 23135-W1710</p>
	<p>PMTSX1 4-CM010</p>	<p>12Volt 6.8X16.5X14</p>	<p>M648C10171 M648C10671 Mazda Mitsubishi Nissan 0603-23-643 E64457044M 23380-10611 23380-21010</p>
	<p>PMTSX2 4-CM011B</p>	<p>24Volt 8X20X18</p>	<p>M648C25271 M648C25273</p>
	<p>PMTSX5-6 1-CM013B2 2-CM013B</p>	<p>12Volt 4.5X18X17.5</p>	<p>M647C00371, M647C00671 M647C01771, M648C32971 Mazda Mitsubishi N327-18-X66 MD611731 MD611918 M1T71781 M1T74381 M1T75781</p>