



# SHANGHAI IUGIS CARBON INDUSTRY CO.,LTD

Room 701, Building4, Wanda Plaza, Baoshan district 200431, Shanghai, China

## Power Tool Carbon Brushes For Bosch

IUGIS Code	Original Number	Dimension/ Size (mm)	For Model
IG-06-002	1 607 014 111	6.3×16×22	USH27,11304
IG-06-003	1 607 014 101	6.3×6.3×20	1174.0,1102.1
IG-06-004	1 607 014 117 1 607 014 124	5×8×15.3/17	1106,1171,11210,11210.3,11210.6,1120.7,GAH 500 DSR,GBH 2/20 SE,PBS 60,PBS 75,PHO 200,PKS 46,3256,PSS 280 A,UBH 2/20 S,UBH 2/20 SE,PSS 280
IG-06-005	1 607 014 102	6.3×12.5×19	1103,1301,,1431
IG-06-006	1 607 014 122	6.3×10×21	1174,3234-203,PKS 65,PKS 66,GBH 5/40 DCE,GSH 5CE
IG-06-007	1 607 014 103 1 607 014 106 1 607 014 103	6.3×16×22	11201,11202, 11205, UBH4/26-2,DS, 1321.0, 1321.4, 1322.0, 1322.4, 1323, 1326,1326.1,1328.4,1331,1331.4,1332,1332.4,1333.2,GOF 1600,GOF 1700E
IG-06-008	1 607 014 106	6.3×12.5×22	0300,0302,1208,1508,GPO 12 E,0301
IG-06-009	1 607 014 107		1119,1120,1121.7,1121.9,1174.1,1174.2,1328,3234-203,PKS-65
IG-06-010	1 607 014 108	6.3×16×22	1331,1332,1333,1341, 1342
IG-06-011	1 607 014 106	6.3×10×17	11205.1,11206,11208,UBH 6/35 D,USH 6
IG-06-012	1 607 014 107		11302,,11305
IG-06-013	1 607 014 110W 1 607 014 110	6.3×12.5×18	11209,11214,11305,GBH 7/45 DE,GBH 8/65 DCE, GHB 8DCE,USH 10
IG-06-015	1 607 321 900E	6.3×6.3×16	1114,1122,1204,3203,3240,3254,3261,CSB 400-2,P-10,P-120SB,POF 50,PSS 230,GSS28A
IG-06-016	2 604 320 902 2 604 652 000	6.3×6.3×16.5	1205,1108,1327,1412.7,1503,1504,1506,1506.1,1508,1520,1530,1530.1,1577,1578,PWS 6-115,PWS-115
IG-06-017	2 604 320 905		1575
IG-06-018	2 604 652 906	6.3×8×16.5	0173.0,0173.5,0173.7,1111,1112,1113,1177,SB-450
IG-06-019	1 607 014 116	5×8×17.5	1210,1211,1337,1337.1,1338,1347,1581.7,1608,11213.1,11213.9,GWS 6-100,GGS 27L
IG-06-020	2 604 320 905 2 609 992 618 2 604 321 917	5×8×15.3/16	1127,1127.7,1129,1180.7,1181,1182,1412.7,1416.6,1436,1462.7,CSB 470 LE,CSB 500-2,CSB 500RE,CSB 500 RLE,CSB 550-2,CSB 550 RE,CSB 550 RET,1435.7,GBM 10,GBM 10 RE,GBM 10 REX,GBM 10-2 RE,GBM 10X,GHO 20-82,GHO 20-82E,GSB 20-2 RET,GSR 6-25 TE, GSR 6-40 TE,GSB 550RE,GSB 18-2,GSB 20-2,GSB20-2RE,GSB 20 RET,PFZ 550E,PHO 20-82,PHO 20-82,PHO 100,POF 400,POF 400 A,PSB 400 RE,PSB 420 RE,GSB 16-RE ,PSB 420 RET,PSB 400,PSB 400-2,PSS 28AE
IG-06-021	2 604 321 904 2 604 321 919	6.3×6.3×15.5/17	1122,1158.7,3125,3147.7,3230.4,3238.7,3239.7,3241,3241.6,CS B 420-2,GBM 6,GBM 450,GBM 450 RE,GSS 28,ST350,GSS 28 A,PHS 36 G,PHS 46 G,PHS 66 G,PSS 230,PST 50,PST 50-2,PST 50E/50,PST 54,PST 54 E,PST 54 PE,PST 55 PE,PST 60 PAE,PST 60 PE,PST 64 PAE,SB 350-2,SB 350-E,SB 400-2,SB 520-2

IG-06-022	1 617 014 112	6.3×6.3×11/13	11207,11207.5,11207.7,UBH 3/24 SE
IG-06-023	1 609 200 634 1 609 200 945 1 617 014 102 2 604 320 024 2 604 320 908 1 617 014 103	5×8×17	121PKF25,1211,1215,GGs27L,PST 54 PE,PST 55 PE,1215,1581,1581.7,3252.2,P-400,PDF 52,POF 500,1503.1,1506,1506.1,1530,1530.1,GGs 27,GGs 27 L,GNA 2.0,GSC 2.8,GST 60 PAE,GST 60 PB,GST 60 PE,GST 60 PBE,GST 85 PB,GST 85 PBE,POF 52,POF 500 A
IG-06-024	2 604 320 007	6.3×6.3×14	1506,1530,,1577
IG-06-025	1 607 014 130 1 607 014 154 0 601 753 004	6.3×16×22	GNS 14,GWS 18-180,GWS 18-180J,GWS 18-230,GWS 19-230,GWS 20-180,GWS 20-180J,GWS 20, 180S, 1351, 1352, 1356,1361,1362,GWS 20-230,GWS 20-230S,GWS 21-180, GWS 21-230,GWS 23-180,GWS 24-180, GWS 24-230
IG-06-026	2 604 321 910	5×8×15.3/16.5	PSB 400-2,PSB 400-RE
IG-06-027	2 604 321 005	5×8×15	1347/GEX-150 ACE,1348,GWS 7-115
IG-06-028	1 607 014 144 1 607 014 116	5×8×17.5	1348.7,GNF 20 CA,GWS 6-100,GWS 9-125C,PWS6-100,GWS 9-125CS,GUF 4-22A,1357
IG-06-029	1 607 014 126		GBM 16-2E,GSA 900 PE,GPO 9-180,GSC 3.5
IG-06-030	3 607 014 000		GBM 23-2+23-2E,GGs 6,GSB 6,GSB 90-2 E,GSS 6 S,GRW 11 E
IG-06-031	2 607 014 001 2 604 321 917	5×8×15.5	PBH 16,PEX 115 A,PEX 125 A,PEX 125 AE,GBM 350,GSS 14A,PBH 16-2,PSS 23,PSS 23AE,PSS 28A,PEX/2AE,PEX 115A
IG-06-032	1 617 014 114	5×8×15/17	UBH 2/20 PLE,UBH 2-220 RLE,UBH 2/20 SE-RL
IG-06-035	2 607 014 108		UBH 6/35,UBH 6/35D,USH 16
IG-06-036	3 607 014 550	6.3×14×16.7/19.5	GKS 85 S
IG-06-037	2 607 014 000		GSS 16 A
IG-06-038	3 607 014 507		GBS 100 A
IG-06-039	1 607 014 129		PKS 54,PKE 35 B,PKE 40 B
IG-06-040	2 607 321 908		POF 500 A
IG-06-041	9 618 085 731		1551,GMS 34
IG-06-042	1 609 390 489		PAS 10-20,PAS 850
IG-06-043	1 609 201 664		PAS 1000,PAS 1000F
IG-06-044	1 609 200 960	6.3×8×27/29	PAS 800
IG-06-045	1 609 202 316		PRT 23,PRT 30
IG-06-046	1 607 014 138	5X10×17	
IG-06-047	2 607 014 004	5×8×9/10	GBM1
IG-06-048	1 609 201 311		RRT 200,PRT 23,PRT 30
IG-06-117	1 617 014 117		PBH 160 R
IG-06-122	1 617 014 122	6.3×12.5×22	GBH 38,GBH 5DCE,GBH 5/40DCE,GSH 4,GSH 5CE
IG-06-124	1 617 014 124	5×10×17.2	GBH 4 DSC
IG-06-126	1 617 014 126	6×16×126	GBH 10 DC,GSH 10 C,GBH 10 DCE
IG-06-127	1 617 014 127	5×8×19.2	GBH 2SE,GBH2-24DSE
IG-06-128	2 607 014 007		PMS 400,PMS 400 PE
IG-06-129	2 607 014 010		PDA 100

IG-06-130	3 604 321 012		GFZ 14-35A
IG-06-135	1 617 014 135	6.3x12.4x25	GBH 7 DE
IG-06-138	1 617 014 138	6.3x12.4x25	GBH 5-38D,GSH 388
IG-06-141	1 607 014 141	6.3x9.5x13.5	GKS 6 1/2" ,GKS 7 1/4"
IG-06-148	1 607 014 148		GBR 14 C
IG-06-158	1 607 014 154	5x8x15	GWS 6-100(NEW),GWS 8-100CE
IG-06-203	1 609 902 320	7x19x16	GCO 14-2
IG-06-317	1 609 P01 317	7x11x17	GKS 190(NEW)
IG-06-340	1 619 P00 340	7x11x16	GDM 12-34
IG-06-405	1 609 203 405		GBL 550
IG-06-525	1 617 000 525	5x8x19	GBH 2-22E,GBH 2-22RE, GBH 2-26E,GBH 2-26DRE,GBH 2-26DFR
IG-06-911	2 604 320 911		GSG 300,PMS 400
IG-06-913	2 604 321 913	5x8x15.5	GST 100 BSE
IG-06-914	2 604 320 914		CSB 550-2,GAB 16 RE
IG-06-915	2 604 321 915	5x8x15.5	GBM 350 RE

### Power Tool Carbon Brushes For Hitachi

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-99-002	999000	6.3×13×17/18.5	DU-PN,DUS-BR,Puh-Pn
IG-99-003	999003	6.3×17×17/20	DUG 2,3,DUF,DUF-BL,PF4,PF4-2,PF4-2D
IG-99-006	999006	4.7×8×12/13	BUW-SH,2,BUL-SH3,BUW-SH2,DH-6,DH-10,DM-13,DW-24,DW-30,LUh3b,LU-DN,LUh-DH,2,3,LUh-DS,LUT-DM,2,LUh-2,3,4,5,6,7,LUh-3B,LUh-DS,MLU,2,NU-DH,2,3,NU-SH,2,3,NUH-SH,2,3,NUV-DH,NU-DH3,4
IG-99-007	999007	4.7×8×13.8/15.5	KL-111,KL-112,KL-113,KL-II,LU,LUP-SR,LUT,2,LUCORN,LUK-RN,LUT2,NUC-RN,NUK-RN,PB,2,P-125,PB-2
IG-99-008	999008	4.7×6.5×13.8/15	LUL-DV,LUL-DN2,LU1-DV
IG-99-009	999009	4.7×6.5×10.5/12.5	HU-GN,HUC-ON,HUK-ON,HUN-GM,HUN-OM,HUJ-ON,2,3,HUN-ON,HUL,2,3,LUS-SO,LUS-SL,2,LUS-S2,2,LDU,PB-S
IG-99-010	999010	6.3×11×16/18	BU-PN,BUF,BLU-3,BUS-BR,PU-PM,PS10-2,3,NUS-SRH,2,3,4,NRU
IG-99-011	999011	6×6.5×12/13	C-16,F-20,F-20A,HUS,2,3,4,5,HUS-ORN,2,3,HC-3,KS-4,HS-4,HUJ-RN,KBM-600,LDU2,3,4,LDU-4,LA12,NDU,PD-100,PDh-100,PDU-100,PDA-100,PDP-100,PDP-100B,PDB-100,PDH-100,PF-2
IG-99-012	999012	6.3×8×16/18	CLH,NU,2,3,4,NLU,2,NUS-SR,2,3,NUP-SR,NUP,2,NUN,2
IG-99-013	999013		CDU,2,JDU
IG-99-018	999018	7×15×18/20	B500,B502,CA21,CA22,CB21,G-20B,GA20,G21,HA-8,Psh-10,PS-8,PS-12,PT-10,SC-8,H-14,P8,PS11,PS-13A,G-20C,HC-8

IG-99-019	999019	7×17×17/18.5	A800,B503,DUS-BRH,DUS-BRH,F500,F503,F502,F501,MB-25,PDh-180,PDh-180B,PDh-205,PS-15,PS-15A,QU-PN,RUS-BRH4,T400,T500,T501,YDS-150
IG-99-020	999020	7×11×17/18.5	BU-PN3,FA-40,F-30,HS-5,HS5-2,NUS-SR5,NUP-S,NUP-SR3,NUS-SRH4,PU-PM3,PDU-125,PD-150,PM,PS-7,2,3,PSC-7,PSK-7,PSK-2P,PDH5,PD-6,PDM-125,PS-6A,PS-7B,PS-2P,SC-5,SC5-2
IG-99-021	999021	6.5×7.5×12/13	CE16,CJ60,CJ60V,CJ65,CJ65VA,VB,CN16,CB10VA,CJ60T,CJ65V,CJ7V,CE20,CE29,CN23,D10YA,DH20V,DL114 , (DL-116),DH25V,DH-20,DH-22,DH-22V,EW-14, F20A, FG12SA,FG12SA2,FG10SG,G12,G12S1,G12SA,G12SG,G12SR,G13SB,GP2,G13YB1,G10SB1,G10SD1, G10SF,G13S1,GP2SA,G-10,G-10SA,G-10SB,G-10SD,JH60A,JHT60A,J-60,JHV60,KUS-ORH,KUS-OR,LDU-4, LA12, M6SB, PDM115, PDM125, PDP115A,PDS115,PD-125,PF1,PF1F,PB20,PDA-100D,PD-125A,PDP-100C ,PDA-100A,B,C,PDP-115,A,PDS-100,PDS-115,A, PSU-4, SAY150A, SO110, SO110A, SOD110, SV12,SF-150,SP13 ,SAK-100A,SAY-150,S-10,TR6,TR6M,TR-6A,(TN-6C),VRT-22,VRV16,VR-16,VRT-22A, W4YF, WH16, WH14, W6SD,G10SP1S,G10SR,P20SB
IG-99-022	999022	7×20×17/18	FT,2,FM,FT-B,PS14,2,3,4,RUG,RUG-T,2,SS-15
IG-99-023	999023	7×13×17/18.5	CS-280,A,CS-350,A,F41,F50,F40B,F-50A,KL-113,P40
IG-99-024	999024	6×6.5×12/13.5	HUH-GN,HUN-GM2,LU-GN,LUV-GN,SN-10,TN-6,TN-6B,V-10,W6VE,W6VE,W6VF,W6VB
IG-99-025	999025	7×11×17/18.5	DH-28Y,DH-505A,EW-22,H41,PR-25,PR-32,PRP-32,38,58,PB-38B,C,E,PH-40,PH-40B,C,D,E,F,PR-38C,PHU-45,PH-45,PH-55A,PR-25B,PR-50DH-38YB,VR-38,VRY-38
IG-99-026	999026	7×13×17/18.5	BLU-4,DU-PN2,DUG4,5,F40,K30,K300,MB-21,NUK-RN,PD-180,PUS-BR,PBS4,PUS-BR,PD-7,PF3,PF3,PFh4-2,3,PDE-180,SAH-7,SM,2,SMh,SMh2,SAH-180
IG-99-027	999027	8×11×16.7/18	BU-PN2,PU-PM2
IG-99-028	999028		BUV-DN,V-25
IG-99-029	999029	6.5×7.5×16/18	DMT-13A,GA10,JS-60,JST-100,PB-3,PS-6,PS-6L,VTP-19
IG-99-030	999030	6.5×7.5×13/14.5	D-6,D-10,DN-6,DNV-6,DL-117,DL-1w,D-10C,BD-6C,BDG-6,8,DUT-10,DUV-10,DU-10,DR-10,DNV-6DL-1GA,DL-1FA,FD-10,FD-10C,FU-20,LU-GN2,NU-DH4,V-14,V-19,VP-14,UHh-7,SNG-6
IG-99-031	999031		FB40,FB41,FA-41
IG-99-032	999032	7×17×17/18.5	PH-65,PH-90SA,PH-85
IG-99-033	999033	7×11×17/18.5	BU-PN3,CR-10V,D-13,DMR-13D-13Y,DMT-16,DMV-16,DU-PM3,F-30A,NUP-SR3,NUS-SR5,PSB-7,PSU-6,PS-6A,PS-7B,PSY-4,PDH-125,PDM-150,PDU-125,PSB-7,WH-22,PD-150A,SAT-180,SP-18T,SB-75,VTP-16,VTV-16
IG-99-034	999034	7×17×17/18.5	A-100,B-600A,C-12Y,F-400,F-504B,F-505B,F1000A,H-12C,H-14A,PSB-15,PDM-180,PDL-180,PDU-180,PSU-7,PDH-180C,PDU-230,PDM-230,PSU-8,PSU-9,PS-15A,SAH-230
IG-99-035	999035	6.5×7.5×16/17.5	DH-22,DH-22V,DH-22Y,DH-20V,DMT-13,JST-100,PB-20,SO-110,SO-110A,SOD-110,SV-12,VR-16,VRV-16,VRT-22,VRT-22A,VTP-19

IG-99-036	999036	7×15×18/20	C-12,G-20C,HV-14,HU-12,HU125,PS-13A,SR-15,SB-110,TR-12
IG-99-038	999038	7×13×17/18.5	BLU4,CBU,C9U,CN45SA,CN60SA,CB350A,CS35B,C7SB,C8,C9,C10FB,C12,C13,CC12SA,CC14SA,C6SA,C7BD,C7SB,CS28B,CS280A,DH50SA,G23SB,DH50SA1,DH50SB,DU-PN2, G18SC,G23SA,G18SD,GP13,H55SA,HU12,HU14,H55SC,M12SB,NUK-RN,P50,P40,PDE-180,PG21SA,P50SA,PSM7,PR-50,PD-180A,PSM-7A,SAH180,SB110,SR-15,TR12M,TR-12,CC14SB
IG-99-040	999040	6.3×6.3×12.5/14	FD-10C
IG-99-041	999041	6.5×7.5×13/14.5	BLUSH3,DMT-13A,BUW-SH3, C5,C5Y, D6SH,D10VC, D13T DH16V,DH22VB,DH22VD,DH24PB,DH24PD,DD-13V, DH24VB,DH-24VD, DMT13A, DR10,DU10, DUT10,DUT13, DUV10,DUV13,16,DV13V,DV14V,DV20T,DV20V1,DV20V2,DV20V3,DV20VA,DVR10,DVR13,DW15Y,D10VD,D13V,D13VB,D-6C,D-10C,D10V1,DG-6,D-6V,DG-8,DY-6,D-10V,D-10VA,DM-13A,DV-10,DMT-13,DMV-13,DL-1GA,D-1FA,DH-14V,DV-20V,FC5SA1,FCH66,FCJ55,FCJ55VA,FCJ65V,FDV12T,FDV12V,FDV15V,FM8,FDV16VA,FH45,FDV20VA,FH35SA,FJ50SB,FJ50VA,FP20SA,FS10SA,FS10SB,FSV12,SFV13Y,FV16V,FV20V,FSV12V,FD10VA,FDV15T,FDV16V,FD10SA,FDV15T,FV12T,FV12VA,FV12VB, FU-20,LUH7,LUT-DM4, NUDH4,P20V,P20SA, PH22V3,SNV6,SVB8SA,SV12SA,SV12SD,SV12SE,SV12SF,SV12V, SN6,SNG-6,SN-10,A, UT5V,VTP10,VTP13, VTP13A, VTV10,VTV13A,V-14,VP-14,V-10A,W6V1, W6V2,W6VA, W6VA2, W6VB,W6VE, W6VF,W6SC, W6VA1,W6,W6SA, W6V,DH18VB,DH24PE,DV20VB,W6VB2,W8VB
IG-99-042	999042	5×5×6/7	JUW,JUW2
IG-99-043	999043	7×11×17/18.5	BM25Y,BUPN3,C6U,C7U,C8FA,C8UFC,C8FS,CM6,CR10V,CR12V,CR17Y,C6,C7,C8FB,C8FC,CM4SA2,C7SA,CN4,D13,DC120V,DH28Y,DH38YA,DH38YB,DH38YB1,DH38YF,DH40FA,DH40MADH40MB,DH40SA,DH40YB,DMT16,D13Y,DH42,F30A,FC6SAFC7SA,G13SC,G15SA,H41SA,H45MA,H45SA,H41,H50,H50SA,M8,M8V,NUPSR3,NUSSR5,PDM150,PSU6,PH-40F,PR-25B,PR-38E,P30,PDH125,PUPM3,PDU-125A,PDU-150,PS-6A,PS-7B,PH-55A,SAT180, SB10T,SB75,SP18V,SB10V, S15, SP18,SB8T,SP18T,SR-10V,TR8M,TR8,UT8V,VR38, VTP16A, VTV16,WH22,C7SB,C8FB2
IG-99-044	999044	7×17×17/18.5	A-1000,B-600A,C13U,CC12Y, CM12Y,CNF65U,C10FA,C12FA, C15FB,CC14,CC16SA,CB75F,(CC12),CM-10,C-15FA,F1000A,F-505B,F-400,F-5040,F-504B,G18SE,G23SC, G23SC2,G23SE, G23SF,G23UB,G18SH,G18SE2,G18SG,G18U,G18UA,G18UB,G23U,G23UA,G18SF,G23SD,HB12,H65SA,M12SA,M12V,PDM180,PDM230,L,PDU180,PDU230,L,PSU7,PSU8,PSU9,PSU13,PS-15A,PSU-13,P12R,P12RA,P100F, PDH180C,PH65A, PSM8,A, PSM9,PDH-180,PH-65,PSM-9A,PV-100F,PDM-180L,PDU-180,PDC-230,SAH230,C10FC,C10FC2,C10FCD,C10RA, H65,PDC-180
IG-99-046		8×19×25/27	MOTOR 1 HP
IG-99-047		9×11×25/27	MOTOR 1/2 HP
IG-99-048		5.3×18×29/30.5	MOTOR 1 HP

IG-99-049		6×12.5×25/26.5	MOTOR 1/2 HP
IG-99-050		6×16×26/28	MOTOR 1 HP
IG-99-061		7×17×22.8	

### Power Tool Carbon Brushes For Makita

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-00-001	CB-1	5×5×6/7.5	903
IG-00-005	CB-5	6.5×13.5×16.3/18	1700B,1804,1805,2400,2412,2415,3501,3600,3600B,5020,5103,5201,5401,5700,5800,5800BR,5900,8900,9000B,9601,9609B
IG-00-007	CB-7E	6×10×15/16	5800B,8035B,8500B,8500N,8500NB,8700B,9104,9900
IG-00-009	CB-9	5×8×12/13	3700,4100,4100KB,5600B,5600BL,5601,6010,6100,6100B,6300,6300B,6400B,6400K,6700,8400,9045
IG-00-010	CB-10	5×8×12/13.5	6500B,6701,6801,6904
IG-00-012	CB-12	7×18×16	5402
IG-00-014	CB-14	5×8×9.5	9500N
IG-00-018	CB-18	5×5×6/7.5	903
IG-00-050	CB-50	5×8×11.8/13	1900B,1923,1923B,3700,3700B,3701,3702,3702B,4014B,4300A,4300BA,4300BV,4300V,4401,6013,6016,6020,6400NB,8413,8419B,9030,JR3000,N1900B,N1923B,N3701,N3702,N4401
IG-00-051	CB-51 CB-76	5×8×12	1901,1923B,3700B,3702B,4014B,4300BA,4300BV,4301BV,6010B,6010BVR,6013B,6013BO/BR,6016,6020,6300-4,6300L,6300LR,6300NB,6300NBW,6301LR,8419B,9030,JR3000,N1900B,N1923B,N3701
IG-00-052	CB-52	5×8×9.5	3705,9501B,9501BH,9503B,9503BH,9505B,9505BH,JG1600,JG2000,JN1600,JV1600,JV2000,JS1600,LS1600
IG-00-053	CB-53	5×8×9.5	9035KB,BO6010,DA3000,DA3000V,JG1600,JN1600,JS1600
IG-00-054	CB-54	5×8×12	6010N,6701B,6801B
IG-00-055	CB-55 CB-75	5×8×12.5	6010N,6300T,6300TBW,6500N,6701B,6801B,8416,8419B,8419B-2,JR3000V,UH4500,UH6300
IG-00-056	CB-56	5×8×9.5	6010B,6010BVR,6510LVR,6700N,6800B,6800DB,6800DBV,6801DB,6801DBV,8410B,8410BV,9035,9035N,9035SB,9504B,BO4510,BO4530,BO4540,BO4550,BO4560,DD2001,DP3720,DP4700,HP1010,HP1020,HP1030,HP1300S,HP1310,HP1320S
IG-00-057	CB-57	5×8×11	906,4300SB,4301SB,4301SV,6000LR,6000R,6501LVR,6510B-2,6510LVR,6510PB,6510PBL,6700N,6802BV,8410B,8410BV,9035,9035N,GV5000,GV6000
IG-00-064	CB-64 CB-75	5×8×10.5/11.5	906,6000LR,6000R,6010B,6010BVR,6510LVR,6700N,6800DBV,6801DB,6801DBV,6802BV,6805BV,9035,9035N,9504BH,BO4510,BO4540,BO4550,BO4553,BO4554,BO4561,DD2001,DP4700,GV6000,HP1030,HP1300S

IG-00-065	CB-65 CB-76	5×8×11.5/13	3705,9803,6905B,9035KB,906H,9501BH,9503BH,DA3000/R DA3000V,JN1600,JS1600,JS1650,JS1660,JS1670,JV2000,N500
IG-00-068	CB-68		6920N,6922N,6928
IG-00-069	CB-69	5×8×10.7/12	9036,BO5000,UH3000
IG-00-070	CB-70	5×8×11	4320,6501,9036,9514B,9514BH,UH3000
IG-00-072	CB-72	5×8×11.8/13	906H,6905B,6914,9500N,9803,DA3000R,JS1660,JS1670,JV2000
IG-00-073	CB73		UH3000A
IG-00-100	CB-100 CB-124	6×10×14.7/16	1001,1100,1600,2106/W,4014N,4014NB,4014NV,4105KB,5600 NB,5800NB,6906,8035NB,8700N,9005B,9006B,9045B,9045N,9 201,9207SPB,9207SPC,9218PB,9218PBL,9218SB,9741,9900B,9 901,9924DB,DA6300,GA5000,JN3200,JS3200,LS0810,PC1100,S R1600,SR1800
IG-00-101- 55	CB-101      CB- 124	6x10x14.7	1001,1100,1600,2106,2106W,4103KB,4105KB,4100R,4200N,56 00BR,5600NB,5601N,5800N,5800NB,5801B,6920B,9005,9005B ,9006,9006B,9201,9207SPB,9218HPB,9218PB,9218PBL,9218SB, DA4511,GA5000,JN3200,JS3200,PC1100,SR1600,SR1800
IG-00-102- 55	CB-102	6x10x14.7/16	9900B,9901,9924B,9924DB,DA6300
IG00-103-55	CB-103	6x10x14.7/16	4014N,4014NV,4100NB,5005KB,5600NB-A,5601N-A,5800N- A,9005B,9006B,9207SPC,9741,LS0810
IG-00-104- 55	CB-104	6x10x14.7/15.5	1125,1911B,3608B,6301,6401
IG-00-105- 55	CB-105	6x10x15	HK1800,HK1800L,HK1810,HM0810,HM0810B,HM0811,HM082 1,HR1800,HR1820,HR2010,HR2210,HR2220,HR2510,HR3520,H R3520B
IG-00-106- 55	CB-106      CB- 107	6x10x15	1911B,3620,630,6401,8420V,HP2000,HP2010N,HP2020,HR352 0,HR3520B
IG-00-112- 55	CB-112		HR2010
IG-00-113- 55	CB-113	6x10x14.5/17.5	4302C,HR2000
IG-00-115- 55	CB-115      CB- 121		1923H,1923HO
IG-00-116- 55	CB-116	6x10x14.7/18	4302C
IG-00-117- 55	CB-117	6x10x15	3606,3620,8460,8420V,JR3010
IG-00-119- 55	CB-119	6x10x14.8	UH4510A,UH6310A
IG-00-120- 55	CB-120		5820
IG-00-122- 55	CB-122		UH4510A,UH6310
IG-00-152- 55	CB-152	6.5x13.5x16	910,1804N,1805B,1805N,2012,2030,2040,2412N,2414,3501N, 3600,3600B,36000BR,3600H,3600NB,3601B,5007B,5007NB,50 14B,5016B,5103N,5201N,5401N,5402,5700B,5800BR,5900B,66 00,6910,8050,9000B,9006,9007,9105,9207B,9401,9607,9607B, 9607BL,9607NB9609B,9609HB,9609NB,GA700,GA900,GA7000, GA7001L,GA9000

IG-00-153-55	CB-153	6.5x13.5x16/18	1804N,1805B,1805N,1806B,2012,2030,2030N,2040,2114C,2412N,2414,2414B,2414K,2416S,2708,2711,3501N,3600,3600B,3600BR,3600H,3600NB,3500NBR,3601B,3612B,3612BR,4107B,4107R,4100B,4110C,5007NB,5008B,5008NB,5012B,5014B,5014NB,5016B,5016NB,5100BR,5103N,5201N,5401N,5402,5500S,5700,5800BR,5900B,5900BR,6910,7104,7104L,7305,7305H,8050,9105,9401,9402,9607,9607HB,9607HBS,9607NB,9607NBS,9609HB,9609HBS,9609NB,9609NBSAC6001,GA7000,GA7001,GA7001L,GA9000,GC5000,LS1011,GA1030,LS1510,SR2100,SR2300,S
IG-00-154-55	CB-154	6.5x13.5x16	92400B,2401B,3800N-A,3803A,5077B,5201N-A,5402A,5403N-A,LS1011,LS1020,LS1030,LS1200,LS1400,LS1440,LS1500
IG-00-155-55	CB-155	6.5x13.5x16	8600,8600N,HM1200,HM1200B,HM1200K,HM1201,HM1300,HM1301,HM1400,HR3850,HR3850B,HR3850K,HR5000,HR5000K
IG-00-158-55	CB-158	6.5x13.5x22	401,402,403,404,,410
IG-00-159-55	CB-159	6.5x13.5x22	401,402,403,404,,410
IG-00-160-55	CB-160		9629,9629S,9639,9639S
IG-00-165-55	CB-165 CB-164		401,402,403,404,404X,405,405X,406,410,430,430Y,431
IG-00-200-55	CB-200	7x18x16	21169009
IG-00-201-55	CB-201		HM1500,HM1500B,HM1800
IG-00-202-55	CB-202	7x18x16	9027/F,9027S/SF,9029/F,9029S/SF,9037/F,9037S/SF,9039/F,9039S/SF
IG-00-203-55	CB-203	7x18x16	2030S,2414B,3612,3612C,5103R,5143R,5903,5903R,LC1200,LS1211
IG-00-204-55	CB-204	7x18x16/x18	9027,9027S,9027F,9029,9029SF,9037,9037F,9039S,9039SF,9047,9047L,9047S,9047SF,9049,9049SF,9057,9057SF,9059,9059SF, HM1303,Hm1303B,HN1500,Hm1500B,HM1800
IG-00-250-55	CB-250	7x11x16.7/19	4100NB,4100R,4101R,4200N,5605,5605B,5805,5805B,8406C,JR3020
IG-00-251-55	CB-251	7x11x16.7/19	4100NB,4101R,8406C,JR3020
IG-00-302-55	CB-302		9540,9541,,9542
IG-00-303-55	CB-303	5x11x16.7/19	5603R,5606B,5703R,5806B
IG-00-304-55	CB-304		HM1100,HM1100C
IG-00-402-55	CB-402	6x9x13	6402,6504B,6820V,9504B,9504BH,N9504B,NH9504BH,NHP1010,NHP1030,NHP1300S,NHP1310,NHP1320S
IG-00-403-55	CB-403	9x10x21.8	50145016
IG-00-406-55	CB-406		6310,N800
IG-00-407-55	CB-407	6x9x10.7/13	N900,N910
IG-00-408-55	CB-408	6x9x12/13	9500N,N9500N
IG-00-411-55	CB-411	6x9x12/13	3703,3704,3901,6830,6832,6920NB,6922NB,6950,9031,9501B,9501BH,9503B,9503BH,9505B,9505BH,9520B,9521NB,9522NB,9523NB,9524NB,9525NB,9527NB,9528NB,JNM1601,N500,N9500N,N950N,N9501B,N9501BH,N9503BH,N9505B,N9505BH
IG-00-412-55	CB-412	6x9x29.8/31	420S
IG-00-413-55	CB-413		6904H,6904V,6904VH,6905H,8401
IG-00-414-55	CB-414	3.5x5.8x11.8	4603DW



IG-00-415-55	CB-415 401	CB-	6x9x11.7/13	6820V,6904V,6904VH,6905H,NHP1010,NHP1030,NHP1300S,NHP1320S
IG-00-417-55	CB-417 416	CB-	6x9x13/14.5	HR2400
IG-00-419-55	CB-419		6x9x11.5/13.5	4304,4304/T.4305,4305/T.4306,6310.6408,6821.9046.BO5000,HP1500,HP1501,HP2030,HP2410,N800,N910
IG-00-420-66	CB-420			6213DWA
IG-00-325-66	CB-325		5x11x16	9553B,9553NB,9555B,9555NB,9556NB,9558NB,HR2460/F,HR2470/F,HR3230,GD0601

## Power Tool Carbon Brushes For AEG

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-19-001	4931 3617 33 4931 3010 71	5×8×14.7/17	PHE-16RLN,PHE-20RLN,SB1015RE,SB2-420S,SB2-700,SBE-16RL,SB2E-601RL,SB2E-680R,STS250,STS380,STSE-380,STSE-400,STPE-400,STRE-400A,HK-46,PN-SPEC-N,PN2000,PN2000N,SBE-420RL,SB2-500RLS,SB2-500S,SB2-500,SPT500
IG-19-003		6.3×12.5×22/23.5	Angle Grinder 7"
IG-19-004		6.3×12.5×22	Angle Grinder 7"
IG-19-005		8×16×25.5/27	Angle Grinder 7"
IG-19-006		5×8×15	VS-130
IG-19-007	4931 3106 84	5×8×14/16	SB2-160ND,SB2-700D
IG-19-008		6.3×6.3×12/16	B2-10,SB2-10,SB2-16N
IG-19-009		6.5×12.5×20/24	B4-32
IG-19-011		6.3×6.3×12/15.5	SBE-500R
IG-19-012		5×10×15/18	EH-82-1,EH-102,HK-52,SB2-35D,VS-280,VSS280,VSSE280
IG-19-013			PHE-20RL MF2
IG-19-014			PHE-26
IG-19-015		5×10×16.5/18	PHD38(with roto spot),PH38
IG-19-016		6.3×10×20	PHM
IG-19-017		5×8×15.5	KSS2.5,WS601,WS602,WS632
IG-19-018		6.3×12.5×20	WS1800,WSA1800,WSA1801,WSBA180N,WSA2000,WS2000N,WS2001,WSA2001,WSE2301,WSAE2301
IG-19-019		6.3×10×16	WP-1900
IG-19-020		5×8×15	BSPE100,BSPE100A,GS400,GSL500,KSS1.6,KNS2,BSPE-100A
IG-19-021		6.3×8×14/17	STS250,BS130
IG-19-022			HBS-65,HBSE-65

IG-19-023		5×5×12	HBSE75S
IG-19-024		6.5×9.5×14.7/18	HBS-100,HBSE-100
IG-19-025		5×8×10.8/11.5	EH-450
IG-19-026		6.3×8×22.5/25	NT-900
IG-19-027			TKS-52
IG-19-028			HKS-52
IG-19-029			HK65A,HK75A
IG-19-030			OF450S,OFE500S,OFE650,OFE-450,OFE 500
IG-19-031	4931 3494 11	5×10×18.5	SB2E750R
IG-19-032	4931 3646 43	5×8×9.5/12.5	BE570R,SB2-570,SBE500R,SBE630R

### Power Tool Carbon Brushes For Dewalt

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-31-001	BK01,BK02	5×8×17	DW158,DW168
IG-31-003	BK03,BK10	6×7×13.3	DW160,DW443
IG-31-004	BK04	6.3×6.3×11.3	DW171,DW173,DW201,DW202,DW203
IG-31-005	BK05,BK06	7×10.5×13.5/17	DW130,DW291,DW304K,DW352
IG-31-007	BK07	6×7×13	DW319
IG-31-008	BK08,BK28	6.3×8×13.5	DW421,DW501,DW505
IG-31-009	BK09,BK16	5×8×15.5/17.5	
IG-31-011	BK11	7×11×17/18.5	DW301
IG-31-012	BK12	6×10×24	DW540K,DW543K
IG-31-013	BK13	6×10×24	DW541K,DW545K (with sensor 1pc,w/o sensor 1pc)
IG-31-014	BK14	6×8×18	DW550K,DW557K
IG-31-015	BK15	6.2×9.3×15.5/17.5	DW610
IG-31-017	BK17	6.3×6.3×13.5	DW670
IG-31-018	BK18,BK24	6.5×13×19.3/22.8	SDO150DW705,DW359,DW389
IG-31-019	BK19	6.5×10×18.5/21	DW707
IG-31-020	BK20	6.3×8×13.5	7224-01DW801,DW803,DW806,DW810
IG-31-021	BK21	6.3×10×14	
IG-31-022	BK22	7×10.5×14.3	DW935K
IG-31-023	BK23	5.8×7×14.2	DW996K
IG-31-025	BK25	6.3×16×24	DW846,DW843,DW950,DW952,DW491K
IG-31-026	BK26	6.5×14×17.2/20	DW870K
IG-31-027	BK27	6×6×12.5	DW886
IG-31-029	BK29		1554DW561,DW563,DW566
IG-31-030	BK30		DW830

## Power Tool Carbon Brushes For Metabo

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-20-001		4×6.3×12/13	ROTARY DRILL
IG-20-002		6.3×8×16	750116/2
IG-20-003	34301033	6×6×13.5/14.5	220-225,SR220,SR283
IG-20-004	34301088	6×6×12/14.5	B-350,SB480,SBE480R+L,SR-221,SR-326,SR-328,ST-350,ST-450,STE-350,STE-450,STEP-455,STEP-550,STEP-565
IG-20-005	34301107	6.3×6.3×14	EW-6114,EW-6114S,GS6139,GS6140,KU6872,OF508,STEP-565
IG-20-006	34301158	8×14×18	KS1785S,W20180,W2080,W2280,W2030,W2230,W23180,W2330,W2030
IG-20-007		6.3×8×15/16.5	B500S,BH6018S,BHE6018S R+L,SB620/2S,SBE500/2S R+L,SBE700/2S R+L,CONTROL
IG-20-008		5×8×14.2/17	B504,BSE510 R+L,SB505,SBE505 R+L
IG-20-009	34301129		B7532/4
IG-20-010		5×10×14.5	PBE701/2 R+L,SIGNAL,SBE7100/2 R+L SIGNAL,SBE1015/2 R+L SIGNAL PLUS
IG-20-011			SBEDV100/2S R+L SIGNAL
IG-20-012		6.3×8×14.7/16	BHE6020S R+L,BHE6026S R+L SIGNAL
IG-20-013			BHE1129S,KS65S
IG-20-014		6.3×10×20.3/24	BHE1131S
IG-20-015			EW7125S,EW8125S
IG-20-016		6.3×8×16	EW6114S,EW7127S(QUICK),KS1785S,W20180,W23180,W20230,W23230
IG-20-017	34301082	6.3×6.3×14	KU6870,KN6875,P6115,WBE500
IG-20-018			PSE0525,SXE125
IG-20-019	34301135		HO0882
IG-20-020		6.3×8×15	BA0775
IG-20-021			B7523/2
IG-20-022	31602288		BH6009S,BHE6011S R+L,SE5025 R+L
IG-20-023	31602552		BE628S R+L
IG-20-024	31602662		SBE680/2S R+L
IG-20-025	34301071		KS1266S
IG-20-026	34301073		EW10125S QUICK
IG-20-027	34301105		SR4320,SR4321
IG-20-028	34301112		EW-7100S
IG-20-029	34301113		EW-7126S QUICK,GSE7141,GSE7145,LF714,PE7175,STEP-700 QUICK
IG-20-030	34301121		AS9010,ASA91050
IG-20-031	34301124		B604,BE250,SBE5010R+L,SBE600R+L,SBE600R+L IMPULS

IG-20-032	34301126		SR356,SR358,SXE425,SXE450 DUO
IG-20-033	34301132		KGSE1670S SIGNAL
IG-20-034	34301137		BE622S R+L,BHE6021 CONTACT,BHE6021S R+L,BHE6024S R+L,BHE6028S R+L SIGNAL,SB650/2S,SBE1000/2S R+L SIGNAL,SBE1015/2S R+L SIGNAL,SBE800/2SR+L IMPULS,SBE808 CONTACT,SE5060/2R+L
IG-20-035	34301153		MHE10S
IG-20-036	34301155		BHE6045S
IG-20-037	34301163		B10,BE10R,SB13,SBE13R
IG-20-038	34301158	6×16×20	W2030,W2080,W2230,W2280

### Power Tool Carbon Brushes For Black&Decker

IUGIS Code	Original No.	Dimension (mm)	For Model
IG-08-001	907614	6.3×16×22.5	P57-01,P17-21,SEC-818,SEC-918
IG-08-002	2-71796	6.2×9.3×15.5/17.5	3103-19,7620-01
IG-08-003	203582	6×6×13	SAG 550
IG-08-004	903860	6×8×15.5	MAG 102
IG-08-005	886604		HD 2180
IG-08-006	893384	6×12×19.5/21	HD 2230
IG-08-007	908752	6.3×16×22	PAG 822,PAG 622
IG-08-008	907904		80PLA,ORS/ORL
IG-08-009	67331		1534386
IG-08-010	903708	6×6×11.5/13.5	CEV
IG-08-011	55314	6.3×12.5×28.5/30	5457-01,(5425-01)
IG-08-012	913807	6.3×6.3×13.5/15	DN-38,DN-75,DN-750
IG-08-013	381-89-00		D 200
IG-08-015	990974		SDO150
IG-08-016	96592	6.3×6.3×10/13	5500-20/01,7004-20,7104-20,7204-20,7404-20,7504-01/20
IG-08-017	131888		1944553
IG-08-018	883772	6.3×6.3×11/13	D404/R4,D808/R8,DNJ52,DN31,DN522,H-720H
IG-08-019	993383 889340	φ6.2×12.5/14	GD-25 D-484
IG-08-020	904764	6×6×15/17	13GD/D,13HM2P,13GDP,13HGP,16GDP,16HG2P
IG-08-021	916424		D208,P12-64,P22-64
IG-08-022	49734	6x6x15/17	
IG-08-023	904207		32/2V
IG-08-024		6.5×19×25.5	1554

IG-08-025	66678	6×9.3×13.5	1975252
IG-08-026	914633	6×8×16.5/18	DN-59, DN-229
IG-08-028	680122	6.3×6.3×12.5	8207
IG-08-029	908755	6.3×12×24	M322R
IG-08-030	731717	6×8×14.5/17	HD2120,P63-031,P63-041,P63-05,P15,31
IG-08-031	859214	6.3×6.3×11/15	D 208
IG-08-032		6.3×8×14.5	P12-21,P22-21,PS54-13
IG-08-033	65449		7461-21
IG-08-034	131801-02		HD2038,5043-01
IG-08-035	899763		HD-2086S
IG-08-036	847710	6.3×6.3×11/13.5	D142,D152, DN531, DN533E, GS400, GS600, H501
IG-08-037	132812		7159-45
IG-08-038	885403		HD2500
IG-08-039	46211		1320-01
IG-08-040	400816		6320-01,6336-01
IG-08-041		6.3×16×24	P5-722,P5-22,P32-01
IG-08-042		6.3×12.5×24	P39-42,P57-21,P59-21
IG-08-043		6×8×18	D423,P80-20,SP-950RE