

# Brush Application List

Brush Prices Are Per Pair Unless Otherwise Noted

<u>Model</u>	<u>Notes</u>	<u>OEM Part #</u>	<u>Ozark Part #</u>
<b>Abbott</b>			
TDX(LN9527-01)	MSI&Carter Motor		CB-003
	Baldor Motor		CB-304
	Bodine Motor		CB-026
<b>Baxter</b>			
Biofuge A	Model 1302	001786	CB-050
Biofuge B		001195	CB-051
Biofuge 17/17R		002779	CB-101
Cryofuge 6000		006914	CB-103
Cryofuge 8000		006896	CB-158
Haemofuge	Model 1216		CB-117
Labofuge A	Model 2502	001754	CB-052
Labofuge B	Model 2650	002228	CB-053
Medifuge	Model 1215	001193	CB-049
Megafuge	Model 2630	002790	CB-094
Omnifuge		003854	CB-102
Varifuge RF		001811	CB-093
<b>Beckman</b>			
Accuspin	Carter Motor	349869	CB-044
	Elinco Motor	349544	CB-043
GP/GS-6/Spinchron Allegra 6/R	Solid Type Brushes Only.	356527	CB-081
GP/GS-6/Spinchron Allegra 6/R	Kit-Includes caps, grommets, locknuts & 1 pair brushes.		CB-081A
GP/GS-6/Spinchron Allegra 6/R	Autostop Brushes Only.	363442	CB-155
GP/GS-6/Spinchron Allegra 6/R	Kit-includes caps, grommets, locknuts & 2 pair brushes.	363443	CB-155A
J Drives	Includes one with Indicator wire.	349456	CB-041
	Longer thin brush for Beckman.	349454	CB-144
	Rebuilt motor #329417		
	Motor has fins and brush caps extend about 1/2" out of case.	367800	CB-175
L340,L350,L540	2-Section Brush	333384	CB-033
Microfuge 11 & 12		343662	CB-046
Microfuge B	Dayton Motor	343156	CB-046A
Microfuge B	Howard Motor	343157	CB-046B
Microfuge E	Short Brush	356883	CB-096
Microfuge E	Long Brush	356881	CB-100
Microfuge Lite		365635	CB-173
TJ-6/6R	Carter Motor	340536	CB-020
TJ-6/6R	Elinco Motor	349544	CB-021
Microfuge 152			CB-084
<b>Bio-Dynamics</b>			
630 Select-A-Fuge	Ser. #70999 & Below	919807	CB-026
	Ser. #71000 & Up	919808	CB-027
640 Basic	Model 2008	106403	CB-027B
646 Hematocrit	Model 2011	106474	CB-027C
Hematocrit	Hettich Motor		CB-108
Universal #24	Model 1200	106433	CB-27A

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## Brinkmann / Eppendorf

3200	Silver Motor	2236520-7	CB-054
	Black Motor	2236521-5	CB-055
5412,5413,5414		2236521-5	CB-075
5415	Ser. # 3716 & Below	2236524-0	CB-076
	Ser. # 3717 & Up	2236523-1	CB-077
5415C,5402	Replaces CB-077	2236527-4	CB-078

## Clay Adams (Becton Dickinson)

Autocrit, MCHT	Black Universal Motor	42055102	CB-001
Autocrit II, MCHT II	Black Howard Motor	42055802	CB-001A
Autocrit II, MCHT II	RPI Replacement Motor	42055813	CB-001B
Autocrit Ultra-3	Specialty Motor	42055813	CB-001B
	Jones Motor	42055813	CB-001B
Dynac II, Dynac III	High Torque Specialty Motor	42000102	CB-002
Dynac, Dynac II	Jones Motor	42000102	CB-002
Physicians Jr.		0121600001	CB-004
QBC	Ser. # 184999 & Below	42445709	CB-083
	Ser. # 185000 & Up	42445713	CB-085
	Governor Brush	42445710	CB-131
Micro 2000		86000637	CB-207
Readacrit/MP	Blk or Silver Mtr small caps	42059102	CB-005
	Silver Motor W/large caps	42059126	CB-089
Safeguard, Safety Head	Jones Motor	42000102	CB-002
	Short Grey Motor		CB-002A
Serofuge II	Governor Brush	42054120	CB-070
Triacs		42020002	CB-003

## Cobe

C-3 Centrifuge System	Blood Pump	500128200	CB-149
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## Dade

C7-M		014127-001	CB-047
Dac I	Magnet Brush	014533-100	CB-048
	Motor Brush	015532	CB-048A
Dac II	Magnet Brush	S45099-001	CB-147
	Motor Brush	S45098-001	CB-148

## Drucker

L708, L708E, 411, 720E		7735023	CB-018
803, 806, 809, 809T		7735003	CB-030
809R, 818R			
896C2, MPC2001R		7735013	CB-031
MPC1500, MPC3000			
708E			CB-002

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<b>Fisher</b>			
59A		SPN06649	CB-038
Centrifig 225/50		SPN39329	CB-106
235A, 235B, 235C, 335	Bodine Motor	SPN43425	CB-039
6K		SPN83788	CB-121
10K, 10KR		HL320140	CB-123
13K		SPN83142	CB-119
13KM		SPN83094	CB-120
21K, 21KR, 21KBR		HL320177	CB-122
Micro A, Micro H	Carter Motor	106166	CB-039A
	Bodine Motor	103656	CB-039B
<b>Fresenius Dialysis</b>			
Deareation Pump	Hard Brush/Soldering Required	670104	CB-201
Flow Pump/Blood Pump	Soft Brush/Soldering Required	643762	CB-202
<b>Hamilton Bell</b>			
Jr. Conical(1600)			CB-082
<b>Hawksley</b>			
Micro-Centrifuge		01980	CB-095
<b>Hermle / National Labnet</b>			
Z206A		Co200-B	CB-208
Z229, Z230M, Z230MA		Co230-G	CB-109
Z230MR, Z230H, Z230HA			
Z231M, Z320			
Z230AMK, Z232MK2	verify model# on back of unit Z230AMK2 says Z230A on front of unit but takes this brush	C2300-B	CB-166
Z230, Z232, Z230A		Co230-15B	CB-110
Z230MR-2, Z180M	Z180M with Silver Motor	C1236-20B2	CB-170
Z180M	Z180M w/ Black Carter Motor	C1236-20B	CB-171
Z360K, Z380, ZK380		Co360-G	CB-111
Z364, ZK364		Co364-G	CB-104
Z510, ZK510		Co510-G	CB-112
<b>Hettich</b>			
Rotanta		H5877	CB-140
Rotixa		H5780	CB-145
Universal		H0334	CB-141
EBA-20			CB-203

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<b>IEC</b>			
Size 2 2V, 2R, BPV, BPR, EXD (older) / (EXD Newer use CB-023)		1724	CB-008
B-2, B-20, B35		2467	CB-010
B-20A	IEC Discontinued, 2 section type	44908	CB-012
B-20A	New Style, solid type	48264	CB-013
B-22		41775	CB-080
B-60	IEC Discontinued	42560	CB-034
C-Series	IEC Discontinued	1707	CB-024
CL, CH	Use P/N CB-006A	1780	CB-006
CL, CH, Centra CL2	New Style W/Shunt Wire	1780A	CB-006A
CM, C50		1731	CB-014
Centra-CLD		75202	CB-150
Centra-4		49203	CB-079
Centra-4B	Program 1.0 Motor W/White Caps	49374	CB-071
Centra-4B, CL4	Program 2.0 Motor W/Blk Caps	44908	CB-073
Centra-7	1/4x7/16x3/4 Old 2 section type	47263	CB-029
Centra-7	1/4x3/8x3/4	47889	CB-045
Centra-7	3/16x3/8x7/8 Most Units	48192	CB-035
Centra-8/8R, GP8/8R	IEC Motor	49801	CB-072
Centra GP8/8R	Baldor Motor	T01206S	CB-304
CU/CRU-5000	IEC Discontinued 2 section type	44908	CB-012
CU/CRU-5000	New Style Solid Type	48264	CB-013
C/CR-6000		41775	CB-013
H, HN-S, HN-SII	Use P/N CB-006A	1780	CB-006
HN-SII	New Style With Shunt Wire	1780A	CB-006A
HT		1860	CB-028 <b>Discontinued</b>
Equafuge		50757	CB-163
MB Microhematocrit	Ser. # up to AA2914 And Above AC6200	1840	CB-007
MB Microhematocrit	Jones Motor SerAA2914-AC6200	43653	CB-007A
MH			CB-006A
M-60	Round Motor	41822	CB-142 <b>Discontinued</b>
M-60	Square Motor	49846	CB-143
MP4, MP4R	Program 1.0 Motor W/White Caps	49374	CB-071
	Serial #s 24370600 & Below. Refrig Serial #s 24380600 & Below		
MP4, MP4R	Program 2.0 Motor W/Blk Caps	44989	CB-073
	Serial #s 24371999 & Below. Refrig Serial #s 24381999 & Below		
MP4, MP4R	Inverted Motor	50433	CB-162
	Serial #s 24371999 & Up. Refrig Serial #s 2438199 & Up		
PR-1, PR-2	IEC Discontinued	1724H	CB-009
PR-6, PR-J		40069	CB-011
PR/DPR 6000	IEC Discontinued Old Style	44908	CB-012

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<b>IEC</b>			
PR/DPR 6000	New Style Solid Type	48264	CB-013
PR-7000		41775	CB-080
Size 1 SBV, SBR, U	(Hand Brake)	1708	CB-025
Size 2/ Model K	Autotransformer Brush	1785	CB-146
Size 2/Model K, U, KB, EXD		1913	CB-023
UV	Autotransformer Brush	1927	CB-074
UV,CS		1946	CB-015
<b>JOUAN</b>			
4203,4204 Micro Fugette	Use 86000637	3860	CB-132
A12,A13,A14,ALC 4206,4214,4218,4235,2403/04,B4.12		86000637	CB-133
BBVV		26160045	CB-063B
B/BR311, V511	Before 06/1988 .2515"	25160027	CB-063A
B/BR311	After 06/1988 .2360"	26160031	CB-097
C/CR312, C/CR412, 422	Up-graded ALC Motor	89000214	CB-134
G/GR412/422	(6mmx16mmx32mm)		
C/CR312, C/CR412, 422	Old Style Motor	89000056	CB-135
G/GR412/422	(6mmx10mmx37mm)		
C/CR-3000, C/CR/G/ GR/GT411		89000056	CB-135
Hemac		26160058	CB-137 <b>Discontinued</b>
Hemac		29993144	CB-138 <b>Discontinued</b>
K110SX, LR522		26160056	CB-129
KR422		26160032	CB-099
M/MR 1411	Before 06/1988	26160029	CB-098
M/MR 1411	After 06/1988	26160031	CB-097
M/MR 1822			CB-097
SR12/ 2022		26160030	CB-139 <b>Discontinued</b>
<b>Lab Line</b>			
Max Q 5000 Shaker		370-356-00	CB-205
3595 Shaker	W/Indiana General Motor	370-156-00	CB-151
3595 Shaker	W/Applied Motor	370-156-01	CB-152
3595, 3526, 3529	W/Bodine Motor	370-258-00	CB-153
3590, 3597			
3525	Bodine Motor w/ Fork Connector		CB-209
<b>Lourdes</b>			
20G. R-30 Clinifuge	Floor Model	1811	CB-040
<b>MLA</b>			
Tytem	200R	70005	CB-154
<b>Mistral/ MSE/Sanyo</b>			
1000	Soldering Required If motor has brush caps Order CB-113	61600	CB-105
1000	New Style no soldering		CB-105A
2000		34500-015	CB-113
2000(Auto-Stop)			CB-113A
GF4, GT2, GT4			CB-088
Micro-Centar		34500-014	CB-161

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<b>New Brunswick</b>			
G-25	Brushes with fork connector	PO380-1181	CB-209
G-25	Spring Type	EB169	CB-210
<b>Precision</b>			
Universal	Serial #s Starting W/10	223245	CB-056
Universal	Serial #s Starting W/11	223504	CB-057
Hi-Speed	Cat# 67310 & Up Cat# 67390	25A18A-2	CB-058
<b>Rupp Bowman/Global Focus</b>			
H103NA, H103NB		00030	CB-124
H103NARD			
H103FRS		00050	CB-126
H103FRL		00050	CB-172
H2O		00029	CB-125
S103NA		00032	CB-127
S103ND		00058	CB-128
2100, 2200/R, 2300/R		00033	CB-159
<b>Sakura</b>			
Cytotec	Model 4325,4332	A0-93-0010	CB-160
<b>Savant</b>			
HSC10K/KA/HSC15R		MOO-0010-01	CB-165
SFR11K/SFR13K/SFA13K/SFA13K Plus		137-1018-00	CB-169
<b>Shandon</b>			
Cytospin 1		PO1455-67	CB-067
Cytospin 2 & 3	Soldering Required	PO9351	CB-068
<b>Sorvall</b>			
Angle Head			CB-107 <b>Discontinued</b>
Capspin, Easyspin, Microspin		H0276	CB-090
Econospin		H0334	CB-091
GLC, GLC2, GLC2B, GLC3	Howard Motor	12279	CB-017
GLC, GLC2, GLC2B, GLC3, GLC4	Grey Or Black Dumore Motor	12293	CB-016
MC-12V, MC-12C		12934	CB-156
Omnispin		H5780	CB-145
RC-2		61809	CB-032
RC-2B, 5,5B, 5C	.250" or 6.3mm Thick	12284	CB-036
RC-5B Plus	S/N 9905219 & Down	12284	CB-036
RC-5B Plus	S/N 9905220 & Above	74196	CB-036-1
RC-5C Plus	S/N 9905139 & Down	12284	CB-036
RC-5C Plus	S/N 9905140 & Above	74196	CB-036-1
RC-5C(New Style Motor)	.375" or 9.5mm Thick	74196	CB-036-1
RC-3		21613	CB-019
RC-3B, 3C Plus	2 Section With Indicator Wire	55176	CB-042
	CB-042 with Brush Caps		CB-042A
RMC-14	Refrigerated Table Top	12980	CB-164
SS-3, SS-4		61809	CB-032
T-6000, T-6000D, RT-6000		12293	CB-016
Technospin		H5877	CB-087
RT-7	Includes Brush Caps	07487	CB-168

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<b>Stryker</b>			
840 Series Cast Cutter		870-1-13	CB-064
810 Autopsy Saw			
Electo-surgical Unit	Model 1301-115		CB-157
<b>Unico</b>			
CMH30		CMH30-07	CB-176
<b>Vulcan</b>			
Microspin 24	With Rae Motor		CB-114
Microspin 24	With Redman Motor		CB-118
Quantum,			CB-204
Microspin 24	With MET Motor *These fit holders 5/16" x 5/16", if holders measure 1/4" x 3/8" use CB-018*		



**Still don't see a brush for your Centrifuge?**  
 Call 800-457-7576 to speak with an Application Specialist that  
 can help locate a brush meeting your  
 specifications!



Brushes are a crucial element in any motor. Proper size, grade of carbon and tension on the commutator are all important elements. If the grade of carbon is too hard, premature failure of the commutator is likely. If the grade of carbon is too soft you will be changing brushes frequently. Spring tension is equally important for the same reasons. Motor design and current draw determine if a brush should have a shunt wire or not.

### **Our Brushes Are Manufactured From OEM Specifications!**

Manufacturers change part numbers periodically. Our catalog is constantly evolving and has become a leading source of gathered information. Please consult the service manual and original manufacturer if any questions arise concerning brush application. Always feel free to call us with any questions.

Our Brushes are sold in pairs! All pricing in this catalog are for brush pairs!

### **Special Brush Discounts:**

- 10% off orders over \$200.00
- 15% off orders over \$300.00
- 20% off orders over \$400.00
- 25% off orders over \$500.00

**We carry Brush Holders and Brush Caps for most centrifuge motors!**

**For Brushes Not Listed Please Inquire!  
We Will Gladly Add Brushes We Do Not Have to Our Stock!**

### **Tech Tip!**

Did you know that high leakage current in many centrifuges is due to a buildup of carbon dust in and around the motor! Blow those motors out when you change brushes.

**Vist Us at [www.ozarkbiomedical.com](http://www.ozarkbiomedical.com)**