

BATTERY SPRINGS

Guide to using tables

OD Base
outside diameter at the base of the spring.

ID Top
outside diameter at the top of the spring.

Free Length
length of the spring in the unloaded position, measured from inside the end loops.

Wire Diameter
in ascending order of size.

Lee Stock Number
ordering reference.

Battery Size
size of battery the springs have been designed to work with.

ID Eyelet
inside diameter at the top of the spring.

Price Group
reference to the price list.

Centre to Centre Length
distance between the centres of double mount battery springs.

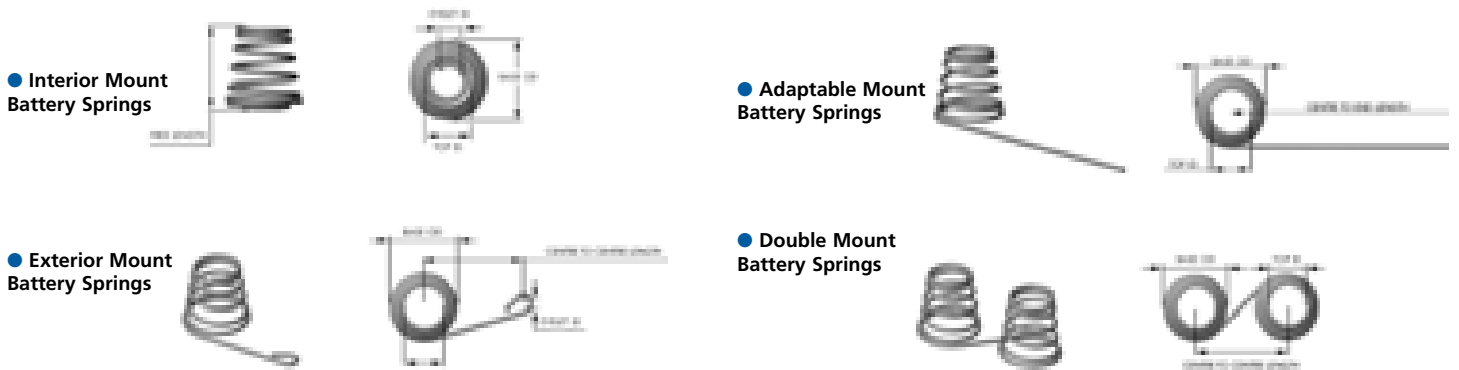
Installed Height
the length to which the spring will be compressed when assembled.

Approximate Load
the load or force required to reach the installed height.

LEE STOCK NUMBER		BATTERY TYPE	WIRE DIAMETER		OD BASE		ID TOP		FREE LENGTH		ID EYELET		APPROX LOAD		INSTALLED HEIGHT		CENTRE TO CENTRE LENGTH		PRICE GROUP
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	MM	IN	MM	IN	
Interior Mount Battery Springs																			
MUSIC WIRE																			
LB 024A 01 AA		AA	0.61	0.024	9.95	0.39	5.58	0.22	11.176	0.44	2.794	0.11	1.75	0.794	3.607	0.142	N/A	N/A	P
LB 024B 01 AAA		AAA	0.61	0.024	9.14	0.36	4.064	0.16	9.017	0.355	2.794	0.11	1.5	0.68	4.953	0.195	N/A	N/A	P
LB 032A 01 C		C	0.81	0.032	13.716	0.54	8.382	0.33	13.208	0.52	4.445	0.175	1	0.454	8.636	0.34	N/A	N/A	P
LB 036A 01 D		D	0.91	0.036	16.764	0.66	9.144	0.36	18.288	0.72	4.445	0.175	3	1.361	4.445	0.175	N/A	N/A	P
BERYLLIUM COPPER																			
LBC 028A 01 AA		AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.61	0.142	N/A	N/A	S
LBC 028A 01 AAA		AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.95	0.195	N/A	N/A	S
LBC 038A 01 C		C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.64	0.34	N/A	N/A	U
LBC 036A 01 D		D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.45	0.175	N/A	N/A	P
Exterior Mount Battery Springs																			
MUSIC WIRE																			
LB 024B 01 AA		AA	0.61	0.024	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.607	0.142	13.84	0.545	P
LB 024B 01 AAA		AAA	0.61	0.024	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.953	0.195	12.14	0.478	P
LB 032B 01 C		C	0.81	0.032	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.636	0.34	14.99	0.984	P
LB 036B 01 D		D	0.91	0.036	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.445	0.175	18.94	1.218	P
BERYLLIUM COPPER																			
LBC 028B 01 AA		AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.61	0.142	13.84	0.545	P
LBC 028B 01 AAA		AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.95	0.195	12.14	0.478	P
LBC 032B 01 C		C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.64	0.34	14.99	0.984	P
LBC 036B 01 D		D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.45	0.175	18.94	1.218	P

ADDITIONAL INFORMATION

- Four mounting configurations are offered – interior, exterior, adjustable and double - all of which have been developed to work with the four most popular battery sizes: AA, AAA, C and D. Custom designs are also possible.
- Battery springs are produced in nickel coated music wire for several reasons. Most alkaline batteries use nickel plated containers and so nickel coatings on contact surfaces are generally preferred. The use of similar materials also removes the possibility of galvanic corrosion and enhances resistance to wear. Additionally, nickel helps to break down the oxide that can form on battery contact surfaces, it offers excellent corrosion resistance and is an excellent conductor of electricity.
- We can now offer our battery springs in silver coated beryllium copper. Beryllium copper is among the hardest, strongest, and most wear-resistant of copper alloys. Silver coating further enhances electrical and thermal conductivity. Electric conductivity is 65 to 70% that of copper while strength and fatigue resistance are comparable with higher beryllium alloys. The light silver-plating also facilitates easy soldering. Beryllium copper is corrosion resistance in many environments, and is both non-magnetic and non-sparking.



BATTERY SPRINGS

● Interior Mount Battery Springs

LEE STOCK NUMBER	BATTERY SIZE	WIRE DIAMETER		OD BASE		ID TOP		FREE LENGTH		ID EYELET		APPROX LOAD		INSTALLED HEIGHT		CENTRE TO CENTRE LENGTH		PRICE GROUP
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	MM	IN	MM	IN	
MUSIC WIRE																		
LB 024A 01 AA	AA	0.61	0.024	9.906	0.39	5.588	0.22	11.176	0.44	2.794	0.11	1.75	0.794	3.607	0.142	N/A	N/A	P
LB 024A 01 AAA	AAA	0.61	0.024	9.144	0.36	4.064	0.16	9.017	0.355	2.794	0.11	1.5	0.68	4.953	0.195	N/A	N/A	P
LB 032A 01 C	C	0.81	0.032	13.716	0.54	8.382	0.33	13.208	0.52	4.445	0.175	1	0.454	8.636	0.34	N/A	N/A	P
LB 036A 01 D	D	0.91	0.036	16.764	0.66	9.144	0.36	18.288	0.72	4.445	0.175	3	1.361	4.445	0.175	N/A	N/A	P
BERYLLIUM COPPER																		
LBC 028A 01 AA	AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.61	0.142	N/A	N/A	S
LBC 028A 01 AAA	AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.95	0.195	N/A	N/A	S
LBC 038A 01 C	C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.64	0.34	N/A	N/A	U
LBC 040A 01 D	D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.45	0.175	N/A	N/A	X

● Exterior Mount Battery Springs

LEE STOCK NUMBER	BATTERY SIZE	WIRE DIAMETER		OD BASE		ID TOP		FREE LENGTH		ID EYELET		APPROX LOAD		INSTALLED HEIGHT		CENTRE TO CENTRE LENGTH		PRICE GROUP
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	MM	IN	MM	IN	
MUSIC WIRE																		
LB 024B 01 AA	AA	0.61	0.024	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.607	0.142	13.84	0.545	P
LB 024B 01 AAA	AAA	0.61	0.024	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.953	0.195	12.14	0.478	P
LB 032B 01 C	C	0.81	0.032	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.636	0.34	24.99	0.984	P
LB 036B 01 D	D	0.91	0.036	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.445	0.175	30.94	1.218	P
BERYLLIUM COPPER																		
LBC 028B 01 AA	AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	2.79	0.11	1.75	0.794	3.61	0.142	13.84	0.545	S
LBC 028B 01 AAA	AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	2.79	0.11	1.5	0.68	4.95	0.195	12.14	0.478	S
LBC 038B 01 C	C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	4.45	0.175	1	0.454	8.64	0.34	24.99	0.984	U
LBC 040B 01 D	D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	4.45	0.175	3	1.361	4.45	0.175	30.94	1.218	X

● Adaptable Mount Battery Springs

LEE STOCK NUMBER	BATTERY SIZE	WIRE DIAMETER		OD BASE		ID TOP		FREE LENGTH		ID EYELET		APPROX LOAD		INSTALLED HEIGHT		CENTRE TO END LENGTH		PRICE GROUP
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	MM	IN	MM	IN	
MUSIC WIRE																		
LB 024C 01 AA	AA	0.61	0.024	9.906	0.39	5.588	0.22	11.176	0.44	N/A	N/A	1.75	0.794	3.607	0.142	76.2	3	N
LB 024C 01 AAA	AAA	0.61	0.024	9.144	0.36	4.064	0.16	9.017	0.355	N/A	N/A	1.5	0.68	4.953	0.195	76.2	3	N
LB 032C 01 C	C	0.81	0.032	13.716	0.54	8.382	0.33	13.208	0.52	N/A	N/A	1	0.454	8.636	0.34	76.2	3	N
LB 036C 01 D	D	0.91	0.036	16.764	0.66	9.144	0.36	18.288	0.72	N/A	N/A	3	1.361	4.445	0.175	76.2	3	N
BERYLLIUM COPPER																		
LBC 028C 01 AA	AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	N/A	N/A	1.75	0.794	3.61	0.142	76.2	3	R
LBC 028C 01 AAA	AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	N/A	N/A	1.5	0.68	4.95	0.195	76.2	3	R
LBC 038C 01 C	C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	N/A	N/A	1	0.454	8.64	0.34	76.2	3	U
LBC 040C 01 D	D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	N/A	N/A	3	1.361	4.45	0.175	76.2	3	Z

● Double Mount Battery Springs

LEE STOCK NUMBER	BATTERY SIZE	WIRE DIAMETER		OD BASE		ID TOP		FREE LENGTH		ID EYELET		APPROX LOAD		INSTALLED HEIGHT		CENTRE TO CENTRE LENGTH		PRICE GROUP
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	MM	IN	MM	IN	
MUSIC WIRE																		
LB 024D 01 AA	AA	0.61	0.024	9.906	0.39	5.588	0.22	11.176	0.44	N/A	N/A	1.75	0.794	3.6	0.142	15.75	0.62	T
LB 024D 01 AAA	AAA	0.61	0.024	9.144	0.36	4.064	0.16	9.017	0.355	N/A	N/A	1.5	0.68	5	0.195	11.84	0.466	T
LB 032D 01 C	C	0.81	0.032	13.716	0.54	8.382	0.33	13.208	0.52	N/A	N/A	1	0.454	8.6	0.34	27.18	1.07	T
LB 036D 01 D	D	0.91	0.036	16.764	0.66	9.144	0.36	18.288	0.72	N/A	N/A	3	1.361	4.4	0.175	34.04	1.34	T
BERYLLIUM COPPER																		
LBC 028D 01 AA	AA	0.71	0.028	9.91	0.39	5.59	0.22	11.18	0.44	N/A	N/A	1.75	0.794	3.61	0.142	15.75	0.62	V
LBC 028D 01 AAA	AAA	0.71	0.028	9.14	0.36	4.06	0.16	9.02	0.355	N/A	N/A	1.5	0.68	4.95	0.195	11.84	0.466	Y
LBC 038D 01 C	C	0.97	0.038	13.72	0.54	8.38	0.33	13.21	0.52	N/A	N/A	1	0.454	8.64	0.34	27.18	1.07	BB
LBC 040D 01 D	D	1.02	0.04	16.76	0.66	9.14	0.36	18.29	0.72	N/A	N/A	3	1.361	4.45	0.175	34.04	1.34	BE