

BATTERY SPRINGS

Guide to using tables

OD Base
outside diameter at the base of the spring.

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 Top
inside diameter at the top of the spring.

ID Eyelet
inside diameter of the eyelet inside the base of the spring.

Free Length
length of the spring in the unloaded position.

Price Group
reference to the price list.

Centre to Centre/End Length
distance between points as shown in graphical images below.

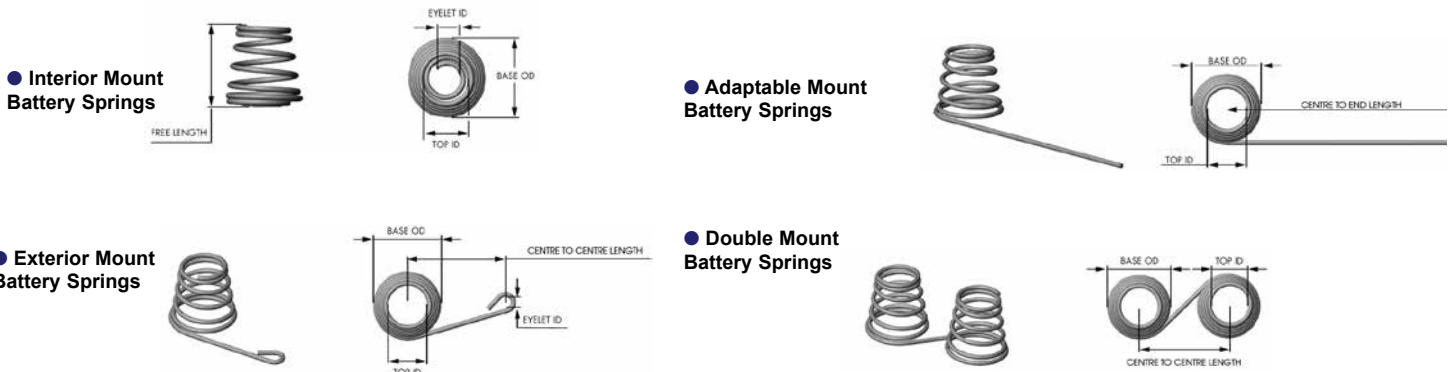
Installed Height
the length to which the spring will be compressed when assembled.

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

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 - NICKEL COATED																			
LB 024A 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	NA	NA	P	
LB 024A 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	NA	NA	P	
LB 032A 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	NA	NA	P	
LB 038A 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	4.45	0.175	NA	NA	P	
BERYLLIUM COPPER - SILVER COATED																			
LBC 028A 01 AA	AA	0.71	0.028	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	NA	NA	S	
LBC 028A 01 AAA	AAA	0.71	0.028	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	NA	NA	S	
LBC 032A 01 C	C	0.97	0.038	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	NA	NA	U	
LBC 038A 01 D	D	1.02	0.040	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	4.45	0.175	NA	NA	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 - NICKEL COATED																			
LB 024B 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	13.84	0.545	P	
LB 024B 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	12.14	0.478	P	
LB 032B 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	24.99	0.984	P	
LB 038B 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	4.45	0.175	12.18	0.478	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 – NICKEL COATED																		
LB 024A 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	N/A	N/A	P
LB 024A 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	N/A	N/A	P
LB 032A 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	N/A	N/A	P
LB 036A 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	4.45	0.175	N/A	N/A	P
BERYLLIUM COPPER – SILVER COATED																		
LBC 028A 01 AA	AA	0.71	0.028	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	N/A	N/A	S
LBC 028A 01 AAA	AAA	0.71	0.028	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	N/A	N/A	S
LBC 038A 01 C	C	0.97	0.038	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	N/A	N/A	U
LBC 040A 01 D	D	1.02	0.040	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	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 – NICKEL COATED																		
LB 024B 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	13.84	0.545	P
LB 024B 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	12.14	0.478	P
LB 032B 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	24.99	0.984	P
LB 036B 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	4.45	0.175	30.94	1.218	P
BERYLLIUM COPPER – SILVER COATED																		
LBC 028B 01 AA	AA	0.71	0.028	9.91	0.390	5.59	0.220	11.18	0.440	2.79	0.110	7.78	1.75	3.61	0.142	13.84	0.545	S
LBC 028B 01 AAA	AAA	0.71	0.028	9.14	0.360	4.06	0.160	9.02	0.355	2.79	0.110	6.67	1.50	4.95	0.195	12.14	0.478	S
LBC 038B 01 C	C	0.97	0.038	13.72	0.540	8.38	0.330	13.21	0.520	4.45	0.175	4.45	1.00	8.64	0.340	24.99	0.984	U
LBC 040B 01 D	D	1.02	0.040	16.76	0.660	9.14	0.360	18.29	0.720	4.45	0.175	13.34	3.00	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 – NICKEL COATED																		
LB 024C 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	N/A	N/A	7.78	1.75	3.61	0.142	76.20	3.000	N
LB 024C 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	N/A	N/A	6.67	1.50	4.95	0.195	76.20	3.000	N
LB 032C 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	N/A	N/A	4.45	1.00	8.64	0.340	76.20	3.000	N
LB 036C 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	N/A	N/A	13.34	3.00	4.45	0.175	76.20	3.000	N
BERYLLIUM COPPER – SILVER COATED																		
LBC 028C 01 AA	AA	0.71	0.028	9.91	0.390	5.59	0.220	11.18	0.440	N/A	N/A	7.78	1.75	3.61	0.142	76.20	3.000	R
LBC 028C 01 AAA	AAA	0.71	0.028	9.14	0.360	4.06	0.160	9.02	0.355	N/A	N/A	6.67	1.50	4.95	0.195	76.20	3.000	R
LBC 038C 01 C	C	0.97	0.038	13.72	0.540	8.38	0.330	13.21	0.520	N/A	N/A	4.45	1.00	8.64	0.340	76.20	3.000	U
LBC 040C 01 D	D	1.02	0.040	16.76	0.660	9.14	0.360	18.29	0.720	N/A	N/A	13.34	3.00	4.45	0.175	76.20	3.000	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 – NICKEL COATED																		
LB 024D 01 AA	AA	0.61	0.024	9.91	0.390	5.59	0.220	11.18	0.440	N/A	N/A	7.78	1.75	3.61	0.142	15.75	0.620	T
LB 024D 01 AAA	AAA	0.61	0.024	9.14	0.360	4.06	0.160	9.02	0.355	N/A	N/A	6.67	1.50	4.95	0.195	11.84	0.466	T
LB 032D 01 C	C	0.81	0.032	13.72	0.540	8.38	0.330	13.21	0.520	N/A	N/A	4.45	1.00	8.64	0.340	27.18	1.070	T
LB 036D 01 D	D	0.91	0.036	16.76	0.660	9.14	0.360	18.29	0.720	N/A	N/A	13.34	3.00	4.45	0.175	34.04	1.340	T
BERYLLIUM COPPER – SILVER COATED																		
LBC 028D 01 AA	AA	0.71	0.028	9.91	0.390	5.59	0.220	11.18	0.440	N/A	N/A	7.78	1.75	3.61	0.142	15.75	0.620	V
LBC 028D 01 AAA	AAA	0.71	0.028	9.14	0.360	4.06	0.160	9.02	0.355	N/A	N/A	6.67	1.50	4.95	0.195	11.84	0.466	Y
LBC 038D 01 C	C	0.97	0.038	13.72	0.540	8.38	0.330	13.21	0.520	N/A	N/A	4.45	1.00	8.64	0.340	27.18	1.070	BB
LBC 040D 01 D	D	1.02	0.040	16.76	0.660	9.14	0.360	18.29	0.720	N/A	N/A	13.34	3.00	4.45	0.175	34.04	1.340	BE