

# 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**  
outside diameter at the top of the spring.

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

**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		
<b>Interior Mount Battery Springs</b>																			
Music Wire																			
LB 024A 01 AA	AA	0.024	0.61	0.39	9.06	0.22	5.98	0.44	11.18	0.11	2.79	1.75	0.794	0.142	3.607	N/A	N/A	P	
LB 024A 01 AAA	AAA	0.024	0.61	0.36	9.14	0.16	4.06	0.355	9.02	0.11	2.79	1.50	0.680	0.195	4.953	N/A	N/A	P	
LB 032A 01 C	C	0.032	0.81	0.54	13.716	0.33	8.38	0.52	13.208	0.175	4.45	1.00	0.454	0.34	8.636	N/A	N/A	P	
LB 036A 01 D	D	0.036	0.91	0.66	16.764	0.36	9.144	0.72	18.288	0.175	4.45	3.00	1.361	0.175	4.445	N/A	N/A	P	
BERYLLIUM COPPER																			
LBC 028A 01 AA	AA	0.028	0.71	0.39	9.91	0.22	5.59	0.44	11.18	0.11	2.79	1.75	0.79	0.142	3.610	N/A	N/A	S	
LBC 028A 01 AAA	AAA	0.028	0.71	0.36	9.14	0.16	4.06	0.355	9.02	0.11	2.79	1.50	0.680	0.195	4.950	N/A	N/A	S	
LBC 038A 01 C	C	0.038	0.97	0.54	13.72	0.33	8.38	0.52	13.21	0.175	4.45	1.00	0.454	0.34	8.640	N/A	N/A	U	
LBC 036A 01 D	D	0.040	1.02	0.66	16.76	0.36	9.14	0.72	18.29	0.175	4.45	3.00	1.361	0.175	4.450	N/A	N/A	S	
<b>Exterior Mount Battery Springs</b>																			
Music Wire																			
LB 024B 01 AA	AA	0.024	0.61	0.390	9.91	0.220	5.59	0.440	11.18	0.110	2.79	1.75	0.794	0.142	3.607	0.545	13.84	P	
LB 024B 01 AAA	AAA	0.024	0.61	0.360	9.14	0.160	4.06	0.355	9.02	0.110	2.79	1.50	0.680	0.195	4.953	0.478	12.14	P	
LB 032B 01 C	C	0.032	0.81	0.540	13.72	0.330	8.38	0.520	13.21	0.175	4.45	1.00	0.454	0.340	8.636	0.984	24.99	P	
LB 036B 01 D	D	0.036	0.91	0.660	16.76	0.360	9.14	0.720	18.29	0.175	4.45	3.00	1.361	0.175	4.445	1.18	30.94	P	
BERYLLIUM COPPER																			
LBC 028B 01 AA	AA	0.028	0.71	0.390	9.91	0.220	5.59	0.440	11.18	0.110	2.79	1.75	0.79	0.142	3.610	0.545	13.84	P	
LBC 028B 01 AAA	AAA	0.028	0.71	0.360	9.14	0.160	4.06	0.355	9.02	0.110	2.79	1.50	0.680	0.195	4.950	0.478	12.14	P	
LBC 038B 01 C	C	0.038	0.97	0.540	13.72	0.330	8.38	0.520	13.21	0.175	4.45	1.00	0.454	0.340	8.640	0.984	24.99	P	
LBC 036B 01 D	D	0.040	1.02	0.660	16.76	0.360	9.14	0.720	18.29	0.175	4.45	3.00	1.361	0.175	4.450	1.18	30.94	P	

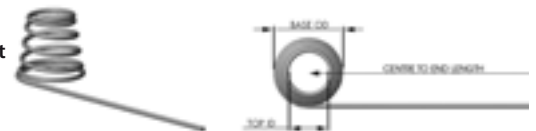
### ADDITIONAL INFORMATION

- 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.

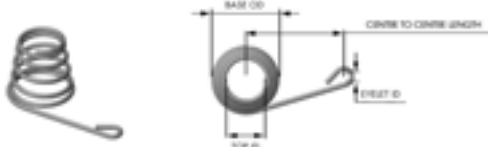
#### Interior Mount Battery Springs



#### Adaptable Mount Battery Springs



#### Exterior Mount Battery Springs



#### Double Mount Battery Springs

