

# EXTENSION SPRINGS

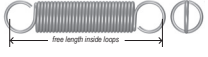
## Guide to using tables

**Maximum Load**  
each spring will accept, excess load will cause damage (See note 5).

**Lee Stock Number**  
Please add suffix **M** for Music Wire or **S** for 302 Stainless Steel when ordering.

**Outside Diameter**  
arranged through the pages in ascending order of size.

**Wire Diameter**  
in ascending order of size, within each group of outside diameters.



### EXTENSION SPRINGS

• Loops at Random Position, except for † springs      • Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	IN	MM	IN	MM	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
EI 007A 01	1.50	0.063	0.18	0.007	1.42	0.32	0.13	0.03	6.35	0.250	0.175	1.000	33.72	0.34	K	M
EI 007A 02									7.95	0.313	0.121	0.690	16.62	0.733	K	M
EI 007A 03									9.53	0.375	0.093	0.530	21.50	0.925	K	M
EI 007A 04									11.13	0.438	0.075	0.430	28	1.108	K	M
EI 007A 05									12.70	0.500	0.063	0.360	33.23	1.310	K	M
EI 008A 01			0.20	0.008	2.00	0.45	0.18	0.04	6.35	0.250	0.350	2.000	11.68	0.460	K	M
EI 008A 02									7.95	0.313	0.245	1.400	15.32	0.603	K	M
EI 008A 03									9.53	0.375	0.193	1.100	18.92	0.745	K	M
EI 008A 04									11.13	0.438	0.154	0.860	23.06	0.908	K	M
EI 008A 05									12.70	0.500	0.130	0.740	26.67	1.060	K	M
EI 008A 06									15.88	0.625	0.100	0.570	34.16	1.23	K	M
EI 008A 07									19.05	0.750	0.081	0.460	41.66	1.640	K	M
EI 008A 08									22.23	0.875	0.067	0.380	49.66	1.955	K	M
EI 009A 01			0.23	0.009	2.76	0.62	0.27	0.06	6.35	0.250	0.648	3.700	10.16	0.400	K	M
EI 009A 02									7.95	0.313	0.473	2.700	13.28	0.523	K	M
EI 009A 03									9.53	0.375	0.368	2.100	16.38	0.645	K	M
EI 009A 04									11.13	0.438	0.298	1.700	19.51	0.768	K	M
EI 009A 05									12.70	0.500	0.245	1.400	22.86	0.900	K	M
EI 009A 06									15.88	0.625	0.193	1.100	28.83	1.135	K	M
EI 009A 07									19.05	0.750	0.151	0.860	35.56	1.400	K	M
EI 009A 08									22.23	0.875	0.126	0.720	42.04	1.655	K	M
EI 011A 01			0.28	0.011	5.07	1.14	0.44	0.10	6.35	0.250	1.944	11.100	8.74	0.344	K	M
EI 011A 02									7.95	0.313	1.384	7.900	11.30	0.445	K	M
EI 011A 03									9.53	0.375	1.033	5.900	14.00	0.551	K	M
EI 011A 04									11.13	0.438	0.841	4.800	16.64	0.655	K	M
EI 011A 05									12.70	0.500	0.718	4.100	19.15	0.754	K	M
EI 011A 06									15.88	0.625	0.560	3.200	24.13	0.950	K	M
EI 011A 07									19.05	0.750	0.438	2.500	29.62	1.166	K	M
EI 007AA 01	1.98	0.078	0.18	0.007	1.14	0.26	0.11	0.03	6.35	0.250	0.107	0.611	16.00	0.530	J	L
EI 007AA 02									7.95	0.313	0.069	0.394	22.91	0.902	J	L
EI 007AA 03									9.53	0.375	0.051	0.292	29.69	1.169	J	L
EI 007AA 04									11.13	0.438	0.040	0.231	36.60	1.441	J	L
EI 007AA 05									12.70	0.500	0.034	0.192	43.41	1.709	J	L
EI 008AA 01			0.20	0.008	1.72	0.39	0.16	0.04	6.35	0.250	0.212	1.210	13.72	0.540	J	L
EI 008AA 02									7.95	0.313	0.138	0.789	19.28	0.759	J	L
EI 008AA 03									9.53	0.375	0.103	0.587	24.71	0.973	J	L
EI 008AA 04									11.13	0.438	0.082	0.466	30.28	1.192	J	L
EI 008AA 05									12.70	0.500	0.068	0.388	35.74	1.407	J	L
EI 008AA 06									15.88	0.625	0.051	0.289	46.74	1.840	J	L
EI 008AA 07									19.05	0.750	0.040	0.231	57.73	2.273	J	L
EI 008AA 08									22.23	0.875	0.034	0.192	68.73	2.706	J	L
EI 009AA 01			0.23	0.009	2.47	0.56	0.22	0.05	6.35	0.250	0.389	2.221	12.12	0.477	J	L
EI 009AA 02									7.95	0.313	0.256	1.459	16.74	0.659	J	L
EI 009AA 03									9.53	0.375	0.191	1.091	21.29	0.838	J	L
EI 009AA 04									11.13	0.438	0.152	0.869	25.91	1.020	J	L
EI 009AA 05									12.70	0.500	0.127	0.723	30.43	1.198	J	L
EI 009AA 06									15.88	0.625	0.095	0.541	39.60	1.559	J	L
EI 009AA 07									19.05	0.750	0.076	0.452	48.74	1.919	J	L
EI 009AA 08									22.23	0.875	0.063	0.360	57.91	2.280	J	L
EI 011AA 01			0.28	0.011	4.58	1.03	0.40	0.09	6.35	0.250	1.104	6.302	10.13	0.399	J	L
EI 011AA 02									7.95	0.313	0.737	4.209	13.61	0.536	J	L
EI 011AA 03									9.53	0.375	0.556	3.173	17.04	0.671	J	L
EI 011AA 04									11.13	0.438	0.444	2.538	20.52	0.808	J	L
EI 011AA 05									12.70	0.500	0.371	2.120	23.95	0.943	J	L
EI 011AA 06									15.88	0.625	0.279	1.592	30.89	1.216	J	L
EI 011AA 07									19.05	0.750	0.223	1.274	37.80	1.488	J	L
EI 011AA 08									22.23	0.875	0.186	1.062	44.70	1.760	J	L

**Initial Tension**  
the force that keeps the coils of an extension spring closed and which must be overcome before the coils start to open.

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

**Price Group**  
reference to the price list

**Maximum Extension**  
the total overall length available before the spring will fail.

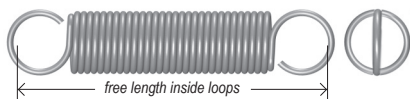
**Spring Rate**  
change in load or force per unit of deflection (See note 5).

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.  
 † Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

— 152 — Spring rates and maximum loads relate only to music wire. When using stainless steel, multiply by 0.833.

### ADDITIONAL INFORMATION

- 1 To find the load at any working length, when free length, spring rate and initial tension are given, use the formula  $F = (S \times L) + F_0$  (where  $F$  is the load;  $S$  is the spring rate;  $L$  is the deflection from free length;  $F_0$  is the initial tension).
- 2 The free length of an extension spring is measured from inside the end loops. To obtain the overall length add two wire diameters to the given length.
- 3 As with compression springs, in order to achieve long life and service, good design suggests that extension springs are not extended beyond 80% of their deflective capability.
- 4 Material specifications, finishes and tolerances are detailed on page 237.
- 5 Please note that the spring rates and maximum loads listed in the following extension spring tables relate only to music wire. **When choosing stainless steel multiply the factors by 0.833.**



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

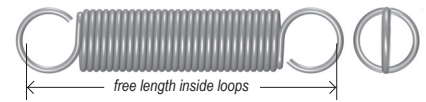
● Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP					
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S				
EI 007A 01	1.60	0.063	0.18	0.007	1.42	0.32	0.13	0.03	6.35	0.250	0.175	1.000	13.72	0.540	K	M				
EI 007A 02									7.95	0.313	0.121	0.690	18.62	0.733	K	M				
EI 007A 03									9.53	0.375	0.093	0.530	23.50	0.925	K	M				
EI 007A 04									11.13	0.438	0.075	0.430	28.14	1.108	K	M				
EI 007A 05									12.70	0.500	0.063	0.360	33.27	1.310	K	M				
EI 008A 01			1.60	0.063	0.20	0.008	2.00	0.45	0.18	0.04	6.35	0.250	0.350	2.000	11.68	0.460	K	M		
EI 008A 02											7.95	0.313	0.245	1.400	15.32	0.603	K	M		
EI 008A 03											9.53	0.375	0.193	1.100	18.92	0.745	K	M		
EI 008A 04											11.13	0.438	0.154	0.880	23.06	0.908	K	M		
EI 008A 05											12.70	0.500	0.130	0.740	26.67	1.050	K	M		
EI 008A 06					15.88	0.625	0.100	0.570	34.16	1.345	K	M								
EI 008A 07					19.05	0.750	0.081	0.460	41.66	1.640	K	M								
EI 008A 08					22.23	0.875	0.067	0.380	49.66	1.955	K	M								
EI 009A 01					1.60	0.063	0.23	0.009	2.76	0.62	0.27	0.06	6.35	0.250	0.648	3.700	10.16	0.400	K	M
EI 009A 02													7.95	0.313	0.473	2.700	13.28	0.523	K	M
EI 009A 03													9.53	0.375	0.368	2.100	16.38	0.645	K	M
EI 009A 04													11.13	0.438	0.298	1.700	19.51	0.768	K	M
EI 009A 05													12.70	0.500	0.245	1.400	22.86	0.900	K	M
EI 009A 06							15.88	0.625	0.193	1.100	28.83	1.135	K	M						
EI 009A 07							19.05	0.750	0.151	0.860	35.56	1.400	K	M						
EI 009A 08	22.23	0.875					0.126	0.720	42.04	1.655	K	M								
EI 011A 01	1.60	0.063					0.28	0.011	5.07	1.14	0.44	0.10	6.35	0.250	1.944	11.100	8.74	0.344	K	M
EI 011A 02													7.95	0.313	1.384	7.900	11.30	0.445	K	M
EI 011A 03													9.53	0.375	1.033	5.900	14.00	0.551	K	M
EI 011A 04													11.13	0.438	0.841	4.800	16.64	0.655	K	M
EI 011A 05			12.70	0.500									0.718	4.100	19.15	0.754	K	M		
EI 011A 06			15.88	0.625			0.560	3.200	24.13	0.950	K	M								
EI 011A 07			19.05	0.750			0.438	2.500	29.62	1.166	K	M								
EI 007AA 01			1.98	0.078			0.18	0.007	1.14	0.26	0.11	0.03	6.35	0.250	0.107	0.611	16.00	0.630	J	L
EI 007AA 02													7.95	0.313	0.069	0.394	22.91	0.902	J	L
EI 007AA 03													9.53	0.375	0.051	0.292	29.69	1.169	J	L
EI 007AA 04													11.13	0.438	0.040	0.231	36.60	1.441	J	L
EI 007AA 05													12.70	0.500	0.034	0.192	43.41	1.709	J	L
EI 008AA 01					1.98	0.078	0.20	0.008	1.72	0.39	0.16	0.04	6.35	0.250	0.212	1.210	13.72	0.540	J	L
EI 008AA 02													7.95	0.313	0.138	0.789	19.28	0.759	J	L
EI 008AA 03													9.53	0.375	0.103	0.587	24.71	0.973	J	L
EI 008AA 04													11.13	0.438	0.082	0.466	30.28	1.192	J	L
EI 008AA 05													12.70	0.500	0.068	0.388	35.74	1.407	J	L
EI 008AA 06							15.88	0.625	0.051	0.289	46.74	1.840	J	L						
EI 008AA 07							19.05	0.750	0.040	0.231	57.73	2.273	J	L						
EI 008AA 08							22.23	0.875	0.034	0.192	68.73	2.706	J	L						
EI 009AA 01	1.98	0.078					0.23	0.009	2.47	0.56	0.22	0.05	6.35	0.250	0.389	2.221	12.12	0.477	J	L
EI 009AA 02													7.95	0.313	0.256	1.459	16.74	0.659	J	L
EI 009AA 03													9.53	0.375	0.191	1.091	21.29	0.838	J	L
EI 009AA 04													11.13	0.438	0.152	0.869	25.91	1.020	J	L
EI 009AA 05													12.70	0.500	0.127	0.723	30.43	1.198	J	L
EI 009AA 06							15.88	0.625	0.095	0.541	39.60	1.559	J	L						
EI 009AA 07							19.05	0.750	0.076	0.432	48.74	1.919	J	L						
EI 009AA 08			22.23	0.875			0.063	0.360	57.91	2.280	J	L								
EI 011AA 01			1.98	0.078			0.28	0.011	4.58	1.03	0.40	0.09	6.35	0.250	1.104	6.302	10.13	0.399	J	L
EI 011AA 02													7.95	0.313	0.737	4.209	13.61	0.536	J	L
EI 011AA 03													9.53	0.375	0.556	3.173	17.04	0.671	J	L
EI 011AA 04													11.13	0.438	0.444	2.538	20.52	0.808	J	L
EI 011AA 05					12.70	0.500							0.371	2.120	23.95	0.943	J	L		
EI 011AA 06					15.88	0.625	0.279	1.592	30.89	1.216	J	L								
EI 011AA 07					19.05	0.750	0.223	1.274	37.80	1.488	J	L								
EI 011AA 08					22.23	0.875	0.186	1.062	44.70	1.760	J	L								

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS



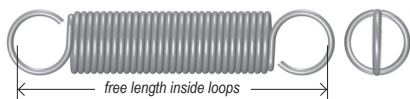
● Loops at Random Position, except for † springs

● Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP			
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S		
EIM020A 01	2.00	0.079	0.20	0.008	1.70	0.38	0.13	0.03	10.00	0.394	0.099	0.564	25.86	1.018	K	M		
EIM020A 02									12.50	0.492	0.070	0.401	34.75	1.368	K	M		
EIM020A 03									15.00	0.591	0.055	0.312	43.64	1.718	K	M		
EIM020A 04			17.50	0.689	0.045	0.255	52.55	2.069	K	M								
EIM020A 05			20.00	0.787	0.038	0.215	61.44	2.419	K	M								
EIM025A 01			2.39	0.094	0.25	0.010	3.37	0.76	0.27	0.06	10.00	0.394	0.325	1.858	19.53	0.769	K	M
EIM025A 02											12.50	0.492	0.232	1.327	25.83	1.017	K	M
EIM025A 03											15.00	0.591	0.181	1.032	32.16	1.266	K	M
EIM025A 04											17.50	0.689	0.148	0.844	38.48	1.515	K	M
EIM025A 05											20.00	0.787	0.125	0.714	44.78	1.763	K	M
EIM025A 06											22.50	0.886	0.108	0.619	51.10	2.012	K	M
EIM025A 07											25.00	0.984	0.096	0.546	57.43	2.261	K	M
EI 010B 01					0.25	0.010	2.67	0.60	0.22	0.05	9.53	0.375	0.210	1.200	21.21	0.835	J	L
EI 010B 02											11.13	0.438	0.165	0.940	26.11	1.028	J	L
EI 010B 03	12.70	0.500									0.133	0.760	30.99	1.220	J	L		
EI 010B 04	15.88	0.625									0.098	0.560	40.77	1.605	J	L		
EI 010B 05	19.05	0.750									0.077	0.440	50.80	2.000	J	L		
EI 010B 06	22.23	0.875									0.063	0.360	61.09	2.405	J	L		
EI 010B 07	25.40	1.000									0.054	0.310	70.36	2.770	J	L		
EI 011B 01	0.28	0.011	3.56	0.80	0.31	0.07	9.53	0.375	0.350	2.000	18.92	0.745	J	L				
EI 011B 02							11.13	0.438	0.268	1.530	23.32	0.918	J	L				
EI 011B 03							12.70	0.500	0.221	1.260	27.43	1.080	J	L				
EI 011B 04							15.88	0.625	0.163	0.930	35.69	1.405	J	L				
EI 011B 05							19.05	0.750	0.128	0.730	44.45	1.750	J	L				
EI 011B 06							22.23	0.875	0.105	0.600	53.21	2.095	J	L				
EI 011B 07							25.40	1.000	0.091	0.517	60.96	2.400	J	L				
EI 012B 01	0.30	0.012	4.45	1.00	0.44	0.10	9.53	0.375	0.560	3.200	16.64	0.655	J	L				
EI 012B 02							11.13	0.438	0.420	2.400	20.78	0.818	J	L				
EI 012B 03							12.70	0.500	0.350	2.000	24.13	0.950	J	L				
EI 012B 04							15.88	0.625	0.263	1.500	31.12	1.225	J	L				
EI 012B 05							19.05	0.750	0.210	1.200	38.10	1.500	J	L				
EI 012B 06							22.23	0.875	0.168	0.960	46.10	1.815	J	L				
EI 012B 07							25.40	1.000	0.144	0.820	53.34	2.100	J	L				
EI 013B 01	0.33	0.013	5.56	1.25	0.58	0.13	9.53	0.375	0.841	4.800	15.37	0.605	J	L				
EI 013B 02							11.13	0.438	0.648	3.700	18.75	0.738	J	L				
EI 013B 03							12.70	0.500	0.543	3.100	21.84	0.860	J	L				
EI 013B 04							15.88	0.625	0.396	2.260	28.58	1.125	J	L				
EI 013B 05							19.05	0.750	0.315	1.800	34.80	1.370	J	L				
EI 013B 06							22.23	0.875	0.263	1.500	41.28	1.625	J	L				
EI 013B 07							25.40	1.000	0.222	1.270	47.75	1.880	J	L				
EI 014B 01	0.36	0.014	6.67	1.50	0.76	0.17	9.53	0.375	1.243	7.100	14.35	0.565	J	L				
EI 014B 02							11.13	0.438	0.963	5.500	17.22	0.678	J	L				
EI 014B 03							12.70	0.500	0.806	4.600	20.07	0.790	J	L				
EI 014B 04							15.88	0.625	0.595	3.400	25.78	1.015	J	L				
EI 014B 05							19.05	0.750	0.473	2.700	31.50	1.240	J	L				
EI 014B 06							22.23	0.875	0.385	2.200	37.47	1.475	J	L				
EI 014B 07							25.40	1.000	0.333	1.900	43.18	1.700	J	L				
EI 016B 01	0.41	0.016	10.05	2.26	0.85	0.19	9.53	0.375	2.487	14.200	13.23	0.521	J	L				
EI 016B 02							11.13	0.438	1.926	11.000	15.90	0.626	J	L				
EI 016B 03							12.70	0.500	1.611	9.200	18.42	0.725	J	L				
EI 016B 04							15.88	0.625	1.191	6.800	23.60	0.929	J	L				
EI 016B 05							19.05	0.750	0.928	5.300	28.98	1.141	J	L				
EI 016B 06							22.23	0.875	0.771	4.400	34.16	1.345	J	L				
EI 016B 07							25.40	1.000	0.648	3.700	39.60	1.559	J	L				

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

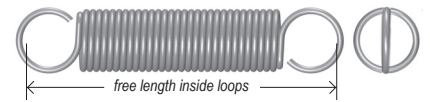
● Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP			
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S		
EIM025B 01	2.50	0.098	0.25	0.010	2.45	0.55	0.18	0.04	9.50	0.374	0.168	0.960	22.96	0.904	K	M		
EIM025B 02									11.00	0.433	0.131	0.750	28.27	1.113	K	M		
EIM025B 03									12.50	0.492	0.107	0.610	33.83	1.332	K	M		
EIM025B 04									15.50	0.610	0.079	0.450	44.20	1.740	K	M		
EIM025B 05									19.00	0.748	0.060	0.340	57.10	2.248	K	M		
EIM025B 06									22.00	0.866	0.051	0.290	66.70	2.626	K	M		
EIM025B 07									25.00	0.984	0.042	0.240	79.10	3.114	K	M		
EIM030B 01			2.77	0.109	0.30	0.012	4.61	1.04	0.40	0.09	10.00	0.394	0.490	2.798	18.59	0.732	K	M
EIM030B 02											12.50	0.492	0.333	1.904	25.12	0.989	K	M
EIM030B 03											15.00	0.591	0.253	1.443	31.65	1.246	K	M
EIM030B 04											17.50	0.689	0.203	1.162	38.18	1.503	K	M
EIM030B 05											20.00	0.787	0.170	0.973	44.70	1.760	K	M
EIM030B 06											22.50	0.886	0.146	0.836	51.23	2.017	K	M
EIM030B 07											25.00	0.984	0.128	0.733	57.76	2.274	K	M
LEM050ZA 01†	0.50	0.020			16.10	3.62	2.45	0.55	2.45	0.55	7.90	0.311	7.980	45.57	9.60	0.378	K	M
LEM050ZA 02†											10.90	0.429	4.980	28.44	13.64	0.537	K	M
LEM050ZA 03†											15.40	0.606	3.190	18.22	19.69	0.775	K	M
EI 010C 01	2.77	0.109			0.25	0.010	2.34	0.53	0.22	0.05	9.53	0.375	0.144	0.821	24.26	0.955	J	L
EI 010C 02											11.13	0.438	0.107	0.613	30.84	1.214	J	L
EI 010C 03											12.70	0.500	0.086	0.491	37.29	1.468	J	L
EI 010C 04											15.88	0.625	0.061	0.350	50.34	1.982	J	L
EI 010C 05			19.05	0.750							0.048	0.272	63.40	2.496	J	L		
EI 010C 06			22.23	0.875							0.039	0.223	76.45	3.010	J	L		
EI 010C 07			25.40	1.000							0.033	0.188	89.51	3.524	J	L		
EI 011C 01			0.28	0.011	3.13	0.70	0.29	0.07	0.29	0.07	9.53	0.375	0.235	1.341	21.62	0.851	J	L
EI 011C 02											11.13	0.438	0.176	1.006	27.23	1.072	J	L
EI 011C 03											12.70	0.500	0.141	0.807	32.77	1.290	J	L
EI 011C 04											15.88	0.625	0.101	0.578	43.92	1.729	J	L
EI 011C 05											19.05	0.750	0.079	0.450	55.09	2.169	J	L
EI 011C 06											22.23	0.875	0.064	0.368	66.24	2.608	J	L
EI 011C 07											25.40	1.000	0.055	0.312	77.39	3.047	J	L
EI 012C 01	0.30	0.012	4.07	0.92	0.38	0.09	0.38	0.09	9.53	0.375	0.368	2.103	19.56	0.770	J	L		
EI 012C 02									11.13	0.438	0.277	1.584	24.43	0.962	J	L		
EI 012C 03									12.70	0.500	0.223	1.274	29.24	1.151	J	L		
EI 012C 04									15.88	0.625	0.160	0.914	38.94	1.533	J	L		
EI 012C 05									19.05	0.750	0.125	0.713	48.62	1.914	J	L		
EI 012C 06									22.23	0.875	0.102	0.584	58.32	2.296	J	L		
EI 012C 07									25.40	1.000	0.087	0.495	68.00	2.677	J	L		
EI 013C 01	0.33	0.013	5.19	1.17	0.47	0.11	0.47	0.11	9.53	0.375	0.558	3.187	17.98	0.708	J	L		
EI 013C 02									11.13	0.438	0.422	2.409	22.30	0.878	J	L		
EI 013C 03									12.70	0.500	0.340	1.943	26.57	1.046	J	L		
EI 013C 04									15.88	0.625	0.245	1.397	35.15	1.384	J	L		
EI 013C 05									19.05	0.750	0.191	1.091	43.74	1.722	J	L		
EI 013C 06									22.23	0.875	0.157	0.895	52.32	2.060	J	L		
EI 013C 07									25.40	1.000	0.133	0.759	60.91	2.398	J	L		
EI 014C 01	0.36	0.014	6.51	1.46	0.58	0.13	0.58	0.13	9.53	0.375	0.821	4.690	16.74	0.659	J	L		
EI 014C 02									11.13	0.438	0.623	3.559	20.65	0.813	J	L		
EI 014C 03									12.70	0.500	0.504	2.877	24.46	0.963	J	L		
EI 014C 04									15.88	0.625	0.363	2.074	32.21	1.268	J	L		
EI 014C 05									19.05	0.750	0.284	1.622	39.93	1.572	J	L		
EI 014C 06									22.23	0.875	0.233	1.332	47.65	1.876	J	L		
EI 014C 07									25.40	1.000	0.198	1.130	55.37	2.180	J	L		
LEM055ZB 01†	2.80	0.110	0.55	0.022	19.00	4.27	2.79	0.63	8.80	0.346	8.180	46.71	10.77	0.424	J	L		
LEM055ZB 02†									12.10	0.476	5.110	29.18	15.27	0.601	J	L		
LEM055ZB 03†									17.00	0.669	3.270	18.67	21.97	0.865	J	L		

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS



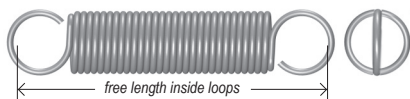
● Loops at Random Position, except for † springs

● Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP									
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S								
EIM030C 01	3.00	0.118	0.30	0.012	3.74	0.84	0.33	0.08	10.00	0.394	0.323	1.847	20.52	0.808	K	M								
EIM030C 02									12.50	0.492	0.205	1.169	29.13	1.147	K	M								
EIM030C 03									15.00	0.591	0.150	0.855	37.74	1.486	K	M								
EIM030C 04									17.50	0.689	0.118	0.674	46.33	1.824	K	M								
EIM030C 05									20.00	0.787	0.097	0.556	54.94	2.163	K	M								
EIM030C 06									22.50	0.886	0.083	0.474	63.55	2.502	K	M								
EIM030C 07									25.00	0.984	0.072	0.412	72.16	2.841	K	M								
LEM035A 01			3.18	0.125	0.35	0.014	4.90	1.10	0.53	0.12	12.50	0.492	0.387	2.21	23.67	0.932	J	L						
LEM035A 02											14.00	0.551	0.322	1.84	27.46	1.081	J	L						
LEM035A 03											15.50	0.610	0.277	1.58	31.24	1.230	J	L						
LEM035A 04											17.00	0.669	0.242	1.38	35.03	1.379	J	L						
LEM035A 05											19.00	0.748	0.208	1.19	39.83	1.568	J	L						
LEM035A 06											21.00	0.827	0.182	1.04	44.88	1.767	J	L						
LEM035A 07											23.00	0.906	0.161	0.92	50.19	1.976	J	L						
LEM035A 08	25.00	0.984			0.145	0.83	54.97	2.164	J	L														
LEM035A 09	30.00	1.181			0.117	0.67	67.08	2.641	K	M														
LEM035A 10	35.00	1.378			0.096	0.55	80.21	3.158	K	M														
LEM035A 11	40.00	1.575			0.084	0.48	91.82	3.615	K	M														
LEM063A 01†	3.18	0.125			0.63	0.025	26.20	5.89	4.19	0.94	9.70	0.382	12.100	69.09	11.56	0.455	J	L						
LEM063A 02†											13.50	0.531	7.510	42.88	16.46	0.648	J	L						
LEM063A 03†											19.20	0.756	4.810	27.47	23.83	0.938	J	L						
LE 014A 01			3.18	0.125	0.36	0.014	4.89	1.10	0.53	0.12	12.70	0.500	0.350	2.00	25.15	0.990	J	L						
LE 014A 02											14.30	0.563	0.289	1.65	29.29	1.153	J	L						
LE 014A 03											15.88	0.625	0.245	1.40	33.66	1.325	J	L						
LE 014A 04											19.05	0.750	0.189	1.08	42.16	1.660	J	L						
LE 014A 05											20.65	0.813	0.170	0.97	46.30	1.823	J	L						
LE 014A 06											22.23	0.875	0.154	0.88	50.42	1.985	J	L						
LE 014A 07											23.83	0.938	0.142	0.81	54.56	2.148	J	L						
LE 014A 08											25.40	1.000	0.131	0.75	58.67	2.310	K	M						
LE 014A 09											28.58	1.125	0.113	0.64	67.44	2.655	K	M						
LE 014A 10											31.75	1.250	0.099	0.57	75.44	2.970	K	M						
LE 014A 11											34.93	1.375	0.088	0.50	84.71	3.335	K	M						
LE 014A 12	38.10	1.500									0.080	0.46	92.81	3.654	K	M								
LE 016A 003	3.18	0.125									0.41	0.016	7.12	1.60	0.89	0.20	9.53	0.375	1.229	7.02	14.61	0.575	J	L
LE 016A 002																	12.70	0.500	0.718	4.10	21.34	0.840	J	L
LE 016A 001			15.88	0.625	0.501	2.86	28.32	1.115	J	L														
LE 016A 00			19.05	0.750	0.368	2.10	36.07	1.420	J	L														
LE 016A 0			22.23	0.875	0.306	1.75	42.55	1.675	J	L														
LE 016A 01			25.40	1.000	0.263	1.50	49.02	1.930	K	M														
LE 016A 02			28.58	1.125	0.228	1.30	56.01	2.205	K	M														
LE 016A 03			31.75	1.250	0.210	1.20	61.47	2.420	K	M														
LE 016A 04			34.93	1.375	0.175	1.00	70.49	2.775	K	M														
LE 016A 05			38.10	1.500	0.158	0.90	77.72	3.060	L	N														
LE 016A 06			44.45	1.750	0.137	0.78	89.92	3.540	L	N														
LE 016A 07			50.80	2.000	0.118	0.68	103.12	4.060	M	P														
LE 018A 003			3.18	0.125	0.46	0.018	9.79	2.20	1.33	0.30	9.53	0.375	2.264	12.93	13.26	0.522	J	L						
LE 018A 002											12.70	0.500	1.328	7.58	19.05	0.750	J	L						
LE 018A 001	15.88	0.625									0.937	5.35	25.02	0.985	J	L								
LE 018A 00	19.05	0.750									0.701	4.00	31.24	1.230	J	L								
LE 018A 0	22.23	0.875									0.578	3.30	36.96	1.455	J	L								
LE 018A 01	25.40	1.000									0.508	2.90	42.16	1.660	K	M								
LE 018A 02	28.58	1.125									0.438	2.50	47.88	1.885	K	M								
LE 018A 03	31.75	1.250			0.385	2.20	53.59	2.110	K	M														
LE 018A 04	34.93	1.375			0.350	2.00	59.06	2.325	K	M														
LE 018A 05	38.10	1.500			0.315	1.80	65.02	2.560	L	N														
LE 018A 06	44.45	1.750			0.263	1.50	76.71	3.020	L	N														
LE 018A 07	50.80	2.000			0.228	1.30	87.88	3.460	M	P														
LE 018A 08	57.15	2.250			0.198	1.13	99.82	3.930	M	P														

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

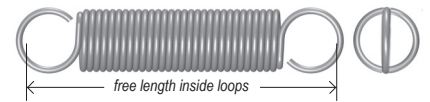
● Music Wire (Plated\*), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 020A 002	3.18	0.125	0.51	0.020	12.90	2.90	1.78	0.40	12.70	0.500	2.343	13.38	17.53	0.690	J	L						
LE 020A 001									15.88	0.625	1.650	9.42	22.73	0.895	J	L						
LE 020A 00									19.05	0.750	1.313	7.50	27.43	1.080	J	L						
LE 020A 0									22.23	0.875	1.051	6.00	32.89	1.295	J	L						
LE 020A 01									25.40	1.000	0.893	5.10	37.85	1.490	K	M						
LE 020A 02									28.58	1.125	0.771	4.40	43.05	1.695	K	M						
LE 020A 03									31.75	1.250	0.683	3.90	48.01	1.890	K	M						
LE 020A 04									34.93	1.375	0.613	3.50	52.96	2.085	K	M						
LE 020A 05									38.10	1.500	0.560	3.20	57.91	2.280	L	N						
LE 020A 06									44.45	1.750	0.473	2.70	68.07	2.680	L	N						
LE 020A 07									50.80	2.000	0.403	2.30	78.49	3.090	M	P						
LE 020A 08									57.15	2.250	0.350	2.00	88.90	3.500	M	P						
LE 022A 01	3.50	0.138	0.56	0.022	17.35	3.90	2.00	0.45	15.88	0.625	2.820	16.10	21.21	0.835	J	L						
LE 022A 02									19.05	0.750	2.172	12.40	26.16	1.030	J	L						
LE 022A 03									22.23	0.875	1.786	10.20	30.86	1.215	J	L						
LE 022A 04									25.40	1.000	1.524	8.70	35.56	1.400	K	M						
LE 022A 05									28.58	1.125	1.313	7.50	40.26	1.585	K	M						
LE 022A 06									31.75	1.250	1.156	6.60	44.96	1.770	K	M						
LE 022A 07									34.93	1.375	1.051	6.00	49.40	1.945	K	M						
LE 022A 08									38.10	1.500	0.946	5.40	54.36	2.140	L	N						
LE 022A 09									44.45	1.750	0.788	4.50	64.01	2.520	L	N						
LE 022A 10									50.80	2.000	0.683	3.90	73.15	2.880	M	P						
LE 022A 11									57.15	2.250	0.599	3.42	82.80	3.260	M	P						
LE 022A 12									63.50	2.500	0.534	3.05	92.20	3.630	M	P						
LEM050AB 01†	3.50	0.138	0.50	0.020	12.00	2.7	1.77	0.40	9.50	0.374	2.350	13.42	13.82	0.544	J	L						
LEM050AB 02†									12.50	0.492	1.470	8.39	19.41	0.764	J	L						
LEM050AB 03†									17.00	0.669	0.940	5.37	27.79	1.094	J	L						
LEM050AB 04†									24.50	0.965	0.590	3.37	41.81	1.646	K	M						
LEM050AB 05†									290.00	11.417	0.050	0.29	500.00	19.685	BC	BD						
LEM055AB 01†									0.55	0.022	15.70	3.53	2.38	0.54	9.90	0.390	3.630	20.73	13.59	0.535	J	L
LEM055AB 02†															13.20	0.520	2.270	12.96	19.10	0.752	J	L
LEM055AB 03†															18.10	0.713	1.450	8.28	27.31	1.075	J	L
LEM055AB 04†															26.40	1.039	0.900	5.14	41.10	1.618	K	M
LEM070AB 01†									0.70	0.028	30.70	6.90	4.47	1.01	11.10	0.437	11.100	63.38	13.46	0.530	K	M
LEM070AB 02†															15.30	0.602	6.950	39.69	19.08	0.751	K	M
LEM070AB 03†															21.60	0.850	4.440	25.35	27.51	1.083	K	M
EIM030D 01	4.00	0.157	0.30	0.012	2.73	0.61	0.25	0.06	10.00	0.394	0.234	1.335	20.65	0.813	K	M						
EIM030D 02									12.50	0.492	0.113	0.644	34.57	1.361	K	M						
EIM030D 03									15.00	0.591	0.074	0.424	48.49	1.909	K	M						
EIM030D 04									17.50	0.689	0.055	0.316	62.41	2.457	K	M						
EIM030D 05									20.00	0.787	0.044	0.252	76.33	3.005	K	M						
EIM030D 06									22.50	0.886	0.037	0.210	90.25	3.553	K	M						
EIM030D 07									25.00	0.984	0.031	0.179	104.17	4.101	K	M						
EIM030D 08									27.50	1.083	0.027	0.157	118.08	4.649	K	M						
EIM030D 09									30.00	1.181	0.024	0.139	132.00	5.197	K	M						
LEM080AC 01†	4.50	0.177	0.45	0.018	6.85	1.54	0.62	0.14	12.60	0.496	12.700	72.52	15.27	0.601	J	L						
LEM080AC 02†									17.40	0.685	8.000	45.68	21.67	0.853	J	L						
LEM080AC 03†									24.60	0.969	5.100	29.12	31.27	1.231	K	M						
LEM045B 01	4.50	0.177	0.45	0.018	6.85	1.54	0.62	0.14	15.50	0.610	0.366	2.09	32.51	1.280	J	L						
LEM045B 02									17.00	0.669	0.306	1.75	37.31	1.469	J	L						
LEM045B 03									19.00	0.748	0.252	1.44	43.64	1.718	J	L						
LEM045B 04									21.00	0.827	0.215	1.23	49.96	1.967	K	M						
LEM045B 05									23.00	0.906	0.187	1.07	56.29	2.216	K	M						
LEM045B 06									25.00	0.984	0.166	0.95	62.33	2.454	K	M						
LEM045B 07									30.00	1.181	0.128	0.73	78.77	3.101	K	M						
LEM045B 08									35.00	1.378	0.105	0.60	94.18	3.708	L	N						
LEM045B 09									40.00	1.575	0.089	0.51	109.86	4.325	L	N						
LEM045B 10									45.00	1.772	0.077	0.44	125.78	4.952	L	N						
LEM045B 11									50.00	1.969	0.068	0.39	141.20	5.559	M	P						
LEM045B 12									55.00	2.165	0.061	0.35	156.59	6.165	M	P						
LEM045B 13									60.00	2.362	0.054	0.31	174.80	6.882	M	P						

\* Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

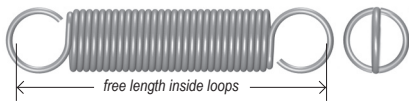


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP			
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S		
LEM060B 01	4.50	0.177	0.60	0.024	15.70	3.53	1.87	0.42	15.50	0.610	1.632	9.32	23.88	0.940	J	L		
LEM060B 02									17.00	0.669	1.384	7.90	26.90	1.059	J	L		
LEM060B 03									19.00	0.748	1.149	6.56	30.94	1.218	J	L		
LEM060B 04									21.00	0.827	0.982	5.61	34.98	1.377	K	M		
LEM060B 05									23.00	0.906	0.858	4.90	39.01	1.536	K	M		
LEM060B 06									25.00	0.984	0.762	4.35	43.03	1.694	K	M		
LEM060B 07									30.00	1.181	0.594	3.39	53.37	2.101	K	M		
LEM060B 08									35.00	1.378	0.487	2.78	63.45	2.498	L	N		
LEM060B 09									40.00	1.575	0.413	2.36	73.53	2.895	L	N		
LEM060B 10									45.00	1.772	0.359	2.05	83.62	3.292	L	N		
LEM060B 11									50.00	1.969	0.317	1.81	93.70	3.689	M	P		
LEM060B 12									55.00	2.165	0.284	1.62	103.76	4.085	M	P		
LEM060B 13									60.00	2.362	0.257	1.47	113.84	4.482	M	P		
LEM063B 01†	4.78	0.188	0.63	0.025	18.30	4.11	2.61	0.59	12.10	0.476	2.770	15.82	17.75	0.699	J	L		
LEM063B 02†									15.90	0.626	1.730	9.88	24.94	0.982	J	L		
LEM063B 03†									21.60	0.850	1.110	6.34	35.71	1.406	K	M		
LEM063B 04†			31.00	1.220	0.700	4.00	53.59	2.110	K	M								
LEM090B 01†			0.90	0.035	49.70	11.17	7.45	1.68	14.20	0.559	14.300	81.66	17.15	0.675	J	L		
LEM090B 02†									19.60	0.772	8.960	51.16	24.31	0.957	K	M		
LEM090B 03†									27.70	1.091	5.730	32.72	35.08	1.381	K	M		
LE 014B 01			4.78	0.188	0.36	0.014	3.56	0.80	0.18	0.04	15.88	0.625	0.093	0.53	52.20	2.055	J	L
LE 014B 02											22.23	0.875	0.049	0.28	91.06	3.585	J	L
LE 014B 03											25.40	1.000	0.040	0.23	109.22	4.300	K	M
LE 014B 04											28.58	1.125	0.033	0.19	130.18	5.125	K	M
LE 014B 05											31.75	1.250	0.030	0.17	145.29	5.720	K	M
LE 014B 06											34.93	1.375	0.026	0.15	163.70	6.445	K	M
LE 014B 07	38.10	1.500									0.023	0.13	186.69	7.350	L	N		
LE 014B 08	41.28	1.625									0.021	0.12	202.06	7.955	L	N		
LE 014B 09	44.45	1.750									0.019	0.11	219.96	8.660	L	N		
LE 014B 10	47.63	1.875									0.018	0.10	240.67	9.475	L	N		
LE 014B 11	50.80	2.000									0.016	0.09	265.18	10.440	M	P		
LE 014B 12	57.15	2.250									0.014	0.08	298.45	11.750	M	P		
LE 014B 13	63.50	2.500									0.012	0.07	339.34	13.360	M	P		
LE 016B 01	4.78	0.188	0.41	0.016	5.34	1.20	0.36	0.08	15.88	0.625	0.182	1.04	43.31	1.705	J	L		
LE 016B 02									22.23	0.875	0.100	0.57	72.14	2.840	J	L		
LE 016B 03									25.40	1.000	0.081	0.46	87.12	3.430	K	M		
LE 016B 04									28.58	1.125	0.068	0.39	101.47	3.995	K	M		
LE 016B 05									31.75	1.250	0.060	0.34	115.32	4.540	K	M		
LE 016B 06									34.93	1.375	0.053	0.30	129.67	5.105	K	M		
LE 016B 07									38.10	1.500	0.046	0.26	147.57	5.810	L	N		
LE 016B 08									41.28	1.625	0.042	0.24	159.89	6.295	L	N		
LE 016B 09									44.45	1.750	0.039	0.22	173.74	6.840	L	N		
LE 016B 10									47.63	1.875	0.035	0.20	189.87	7.475	L	N		
LE 016B 11									50.80	2.000	0.032	0.18	208.79	8.220	M	P		
LE 016B 12									57.15	2.250	0.028	0.16	234.95	9.250	M	P		
LE 016B 13									63.50	2.500	0.025	0.14	266.70	10.500	M	P		
LE 018B 01	4.78	0.188	0.46	0.018	6.67	1.50	0.62	0.14	15.88	0.625	0.333	1.90	34.16	1.345	J	L		
LE 018B 02									22.23	0.875	0.184	1.05	55.25	2.175	J	L		
LE 018B 03									25.40	1.000	0.151	0.86	65.53	2.580	K	M		
LE 018B 04									28.58	1.125	0.128	0.73	75.82	2.985	K	M		
LE 018B 05									31.75	1.250	0.110	0.63	86.61	3.410	K	M		
LE 018B 06									34.93	1.375	0.096	0.55	97.66	3.845	K	M		
LE 018B 07									38.10	1.500	0.088	0.50	107.19	4.220	L	N		
LE 018B 08									41.28	1.625	0.079	0.45	117.98	4.645	L	N		
LE 018B 09									44.45	1.750	0.072	0.41	128.78	5.070	L	N		
LE 018B 10									47.63	1.875	0.067	0.38	138.56	5.455	L	N		
LE 018B 11									50.80	2.000	0.061	0.35	149.61	5.890	M	P		
LE 018B 12									57.15	2.250	0.053	0.30	172.21	6.780	M	P		
LE 018B 13									63.50	2.500	0.047	0.27	191.52	7.540	M	P		

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

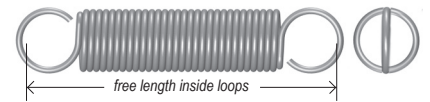
● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP									
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S								
LE 020B 01	4.78	0.188	0.51	0.020	8.90	2.00	0.98	0.22	15.88	0.625	0.578	3.30	29.59	1.165	J	L								
LE 020B 02									22.23	0.875	0.315	1.80	47.37	1.865	J	L								
LE 020B 03									25.40	1.000	0.263	1.50	55.63	2.190	K	M								
LE 020B 04									28.58	1.125	0.228	1.30	63.37	2.495	K	M								
LE 020B 05									31.75	1.250	0.193	1.10	72.90	2.870	K	M								
LE 020B 06									34.93	1.375	0.170	0.97	81.66	3.215	K	M								
LE 020B 07									38.10	1.500	0.152	0.87	90.17	3.550	L	N								
LE 020B 08									41.28	1.625	0.138	0.79	98.43	3.875	L	N								
LE 020B 09									44.45	1.750	0.126	0.72	107.19	4.220	L	N								
LE 020B 10									47.63	1.875	0.116	0.66	116.21	4.575	L	N								
LE 020B 11									50.80	2.000	0.107	0.61	124.97	4.920	M	P								
LE 020B 12									57.15	2.250	0.093	0.53	142.49	5.610	M	P								
LE 020B 13									63.50	2.500	0.082	0.47	159.77	6.290	M	P								
LE 022B 002	4.78	0.188	0.56	0.022	11.12	2.50	1.33	0.30	12.70	0.500	1.524	8.70	19.05	0.750	J	L								
LE 022B 001									15.88	0.625	0.946	5.40	26.29	1.035	J	L								
LE 022B 00									19.05	0.750	0.666	3.80	33.78	1.330	J	L								
LE 022B 0									22.23	0.875	0.560	3.20	39.75	1.565	K	M								
LE 022B 01									25.40	1.000	0.438	2.50	47.75	1.880	K	M								
LE 022B 02									28.58	1.125	0.368	2.10	55.25	2.175	K	M								
LE 022B 03									31.75	1.250	0.315	1.80	62.74	2.470	K	M								
LE 022B 04									34.93	1.375	0.280	1.60	69.98	2.755	K	M								
LE 022B 05									38.10	1.500	0.245	1.40	77.98	3.070	L	N								
LE 022B 06									44.45	1.750	0.210	1.20	90.93	3.580	L	N								
LE 022B 07									50.80	2.000	0.175	1.00	106.68	4.200	M	P								
LE 022B 08									57.15	2.250	0.156	0.89	119.89	4.720	M	P								
LE 022B 09									63.50	2.500	0.137	0.78	135.13	5.320	M	P								
LE 024B 01									4.78	0.188	0.61	0.024	15.12	3.40	1.78	0.40	15.88	0.625	1.489	8.50	24.77	0.975	J	L
LE 024B 02																	17.48	0.688	1.261	7.20	28.14	1.108	J	L
LE 024B 03	19.05	0.750	1.051	6.00	31.75	1.250	J	L																
LE 024B 04	20.65	0.813	0.928	5.30	35.13	1.383	K	M																
LE 024B 05	22.23	0.875	0.841	4.80	38.23	1.505	K	M																
LE 024B 06	23.83	0.938	0.753	4.30	41.61	1.638	K	M																
LE 024B 07	25.40	1.000	0.701	4.00	44.45	1.750	K	M																
LE 024B 08	28.58	1.125	0.588	3.36	51.18	2.015	K	M																
LE 024B 09	31.75	1.250	0.510	2.91	57.91	2.280	K	M																
LE 024B 10	34.93	1.375	0.450	2.57	64.64	2.545	L	N																
LE 024B 11	38.10	1.500	0.403	2.30	71.12	2.800	L	N																
LE 024B 12	44.45	1.750	0.333	1.90	84.58	3.330	M	P																
LE 024B 13	50.80	2.000	0.284	1.62	97.79	3.850	M	P																
LE 024B 14	57.15	2.250	0.249	1.42	110.74	4.360	M	P																
LE 024B 15	63.50	2.500	0.221	1.26	123.95	4.880	M	P																
LE 026B 002	4.78	0.188	0.66	0.026	19.13	4.30	2.22	0.50	12.70	0.500	3.590	20.50	17.53	0.690	J	L								
LE 026B 001									15.88	0.625	2.212	12.63	23.50	0.925	J	L								
LE 026B 00									19.05	0.750	1.664	9.50	29.21	1.150	K	M								
LE 026B 0									22.23	0.875	1.296	7.40	35.18	1.385	K	M								
LE 026B 01									25.40	1.000	1.068	6.10	41.15	1.620	K	M								
LE 026B 02									28.58	1.125	0.893	5.10	47.63	1.875	K	M								
LE 026B 03									31.75	1.250	0.788	4.50	53.09	2.090	K	M								
LE 026B 04									34.93	1.375	0.701	4.00	59.06	2.325	L	N								
LE 026B 05									38.10	1.500	0.613	3.50	65.79	2.590	L	N								
LE 026B 06									44.45	1.750	0.508	2.90	77.72	3.060	M	P								
LE 026B 07									50.80	2.000	0.438	2.50	89.41	3.520	M	P								
LE 026B 08									57.15	2.250	0.385	2.20	101.09	3.980	M	P								
LE 026B 09									63.50	2.500	0.338	1.93	113.54	4.470	M	P								
LE 029B 01									4.78	0.188	0.74	0.029	25.80	5.80	3.34	0.75	15.88	0.625	3.923	22.40	21.72	0.855	J	L
LE 029B 02																	17.48	0.688	3.363	19.20	24.08	0.948	J	L
LE 029B 03	19.05	0.750	2.942	16.80	26.67	1.050	K	M																
LE 029B 04	20.65	0.813	2.609	14.90	29.29	1.153	K	M																
LE 029B 05	22.23	0.875	2.294	13.10	32.13	1.265	K	M																
LE 029B 06	23.83	0.938	2.102	12.00	34.49	1.358	K	M																

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

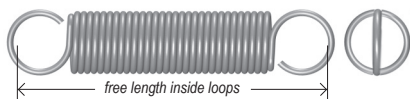


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 029B 07	4.78	0.188	0.74	0.029	25.80	5.80	3.34	0.75	25.40	1.000	1.926	11.00	37.08	1.460	K	M						
LE 029B 08									28.58	1.125	1.625	9.28	42.29	1.665	K	M						
LE 029B 09									31.75	1.250	1.417	8.09	47.50	1.870	L	N						
LE 029B 10									34.93	1.375	1.256	7.17	52.71	2.075	L	N						
LE 029B 11									38.10	1.500	1.128	6.44	57.91	2.280	M	P						
LE 029B 12									44.45	1.750	0.933	5.33	68.58	2.700	M	P						
LE 029B 13									50.80	2.000	0.799	4.56	78.99	3.110	M	P						
LE 029B 14									57.15	2.250	0.702	4.01	89.15	3.510	M	P						
LE 029B 15									63.50	2.500	0.620	3.54	99.82	3.930	M	P						
LE 031B 002									0.79	0.031	31.14	7.00	3.78	0.85	12.70	0.500	9.107	52.00	15.75	0.620	J	L
LE 031B 001															15.88	0.625	5.555	31.72	20.70	0.815	J	L
LE 031B 00															19.05	0.750	4.221	24.10	25.65	1.010	K	M
LE 031B 0															22.23	0.875	3.328	19.00	30.35	1.195	K	M
LE 031B 01															25.40	1.000	2.767	15.80	35.31	1.390	K	M
LE 031B 02															28.58	1.125	2.364	13.50	40.26	1.585	L	N
LE 031B 03	31.75	1.250	2.049	11.70	45.21	1.780	L	N														
LE 031B 04	34.93	1.375	1.821	10.40	49.91	1.965	L	N														
LE 031B 05	38.10	1.500	1.611	9.20	55.12	2.170	M	P														
LE 031B 06	44.45	1.750	1.349	7.70	64.77	2.550	M	P														
LE 031B 07	50.80	2.000	1.156	6.60	74.42	2.930	M	P														
LE 031B 08	57.15	2.250	0.998	5.70	84.58	3.330	M	P														
LE 031B 09	63.50	2.500	0.893	5.10	94.23	3.710	N	Q														
LE 031B 10	69.85	2.750	0.788	4.50	104.65	4.120	N	Q														
LE 034B 01	0.86	0.034	40.03	9.00	4.00	0.90	15.88	0.625							9.335	53.30	19.69	0.775	J	L		
LE 034B 02							19.05	0.750	7.005	40.00	24.13	0.950	K	M								
LE 034B 03							22.23	0.875	5.429	31.00	28.83	1.135	K	M								
LE 034B 04							25.40	1.000	4.553	26.00	33.27	1.310	K	M								
LE 034B 05							28.58	1.125	3.923	22.40	37.72	1.485	L	N								
LE 034B 06							31.75	1.250	3.380	19.30	42.42	1.670	L	N								
LE 034B 07							34.93	1.375	3.012	17.20	46.86	1.845	L	N								
LE 034B 08							38.10	1.500	2.715	15.50	51.31	2.020	M	P								
LE 034B 09							44.45	1.750	2.259	12.90	60.45	2.380	M	P								
LE 034B 10							50.80	2.000	1.926	11.00	69.60	2.740	M	P								
LE 034B 11							57.15	2.250	1.681	9.60	78.49	3.090	M	P								
LE 034B 12							63.50	2.500	1.489	8.50	87.63	3.450	N	Q								
LE 034B 13							69.85	2.750	1.331	7.60	97.03	3.820	N	Q								
LEM070BA 01†							5.00	0.197	0.70	0.028	22.60	5.08	3.39	0.76	13.50	0.531	3.070	17.53	19.76	0.778	J	L
LEM070BA 02†															17.70	0.697	1.920	10.96	27.71	1.091	J	L
LEM070BA 03†	24.00	0.945	1.230	7.02	39.60	1.559									K	M						
LEM070BA 04†	34.50	1.358	0.770	4.40	59.51	2.343									L	N						
LEM100BA 01†	1.00	0.039	60.80	13.67	7.52	1.69	15.80	0.622	15.900	90.79	19.05	0.750	J	L								
LEM100BA 02†							21.80	0.858	9.900	56.53	27.00	1.063	K	M								
LEM100BA 03†							30.80	1.213	6.370	36.37	38.89	1.531	L	N								
LEM050BB 01†	5.50	0.217	0.50	0.020	7.80	1.75	1.02	0.23	12.70	0.500	0.510	2.91	25.81	1.016	J	L						
LEM050BB 02†									15.70	0.618	0.310	1.77	36.60	1.441	J	L						
LEM050BB 03†									20.20	0.795	0.210	1.20	52.91	2.083	J	L						
LEM050BB 04†									27.70	1.091	0.130	0.74	80.01	3.150	K	M						
LEM050BB 05†									37.70	1.484	0.090	0.51	116.10	4.571	L	N						
LEM080BB 01†	0.80	0.031	30.20	6.79	4.79	1.08	15.00	0.591	4.000	22.84	21.41	0.843	J	L								
LEM080BB 02†							19.80	0.780	2.500	14.28	30.00	1.181	K	M								
LEM080BB 03†							27.00	1.063	1.600	9.14	43.00	1.693	L	N								
LEM080BB 04†							39.00	1.535	1.000	5.71	64.59	2.543	M	P								
LEM080BB 05†							290.00	11.417	0.110	0.63	515.01	20.276	BC	BD								
LEM110BB 01†	1.10	0.043	72.80	16.37	10.77	2.42	17.40	0.685	17.500	99.93	20.93	0.824	K	M								
LEM110BB 02†							24.00	0.945	11.000	62.81	29.67	1.168	L	N								
LEM110BB 03†							33.90	1.335	7.000	39.97	42.75	1.683	L	N								
LEM055BC 01†	6.00	0.236	0.55	0.022	9.50	2.14	1.09	0.25	13.90	0.547	0.580	3.31	27.99	1.102	J	L						
LEM055BC 02†									17.20	0.677	0.360	2.06	39.70	1.563	J	L						
LEM055BC 03†									22.10	0.870	0.230	1.31	57.20	2.252	J	L						
LEM055BC 04†									30.40	1.197	0.150	0.86	86.59	3.409	K	M						
LEM055BC 05†									41.40	1.630	0.110	0.63	125.70	4.949	L	N						

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

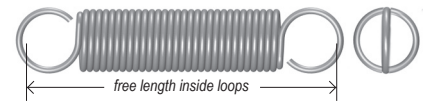
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LEM120BC 01†	6.00	0.236	1.20	0.047	85.30	19.18	12.63	2.84	19.00	0.748	19.100	109.06	22.81	0.898	K	M
LEM120BC 02†									26.20	1.031	12.000	68.52	32.28	1.271	L	N
LEM120BC 03†									37.00	1.457	7.630	43.57	46.51	1.831	M	P
LEM055C 01	6.30	0.248	0.55	0.022	8.80	1.98	0.85	0.19	15.50	0.610	0.602	3.44	28.70	1.130	J	L
LEM055C 02									19.00	0.748	0.340	1.94	42.37	1.668	J	L
LEM055C 03									22.00	0.866	0.247	1.41	54.25	2.136	J	L
LEM055C 04									25.00	0.984	0.194	1.11	65.89	2.594	K	M
LEM055C 05									30.00	1.181	0.144	0.82	85.37	3.361	K	M
LEM055C 06									35.00	1.378	0.114	0.65	104.85	4.128	K	M
LEM055C 07									40.00	1.575	0.095	0.54	124.08	4.885	L	N
LEM055C 08									45.00	1.772	0.081	0.46	143.81	5.662	L	N
LEM055C 09									50.00	1.969	0.070	0.40	163.55	6.439	M	P
LEM055C 10									55.00	2.165	0.061	0.35	184.79	7.275	M	P
LEM055C 11									60.00	2.362	0.056	0.32	201.98	7.952	N	Q
LEM055C 12									65.00	2.559	0.051	0.29	221.72	8.729	N	Q
LEM075C 01	6.30	0.248	0.75	0.030	19.60	4.41	2.45	0.55	15.50	0.610	2.786	15.91	21.59	0.850	J	L
LEM075C 02									19.00	0.748	1.659	9.47	29.41	1.158	J	L
LEM075C 03									22.00	0.866	1.231	7.03	35.97	1.416	J	L
LEM075C 04									25.00	0.984	0.979	5.59	42.52	1.674	K	M
LEM075C 05									30.00	1.181	0.730	4.17	53.62	2.111	K	M
LEM075C 06									35.00	1.378	0.581	3.32	64.47	2.538	K	M
LEM075C 07									40.00	1.575	0.483	2.76	75.57	2.975	L	N
LEM075C 08									45.00	1.772	0.415	2.37	86.41	3.402	L	N
LEM075C 09									50.00	1.969	0.363	2.07	97.26	3.829	M	P
LEM075C 10									55.00	2.165	0.322	1.84	108.33	4.265	M	P
LEM075C 11									60.00	2.362	0.289	1.65	119.43	4.702	N	Q
LEM075C 12									65.00	2.559	0.263	1.50	130.28	5.129	N	Q
LEM075C 13									70.00	2.756	0.240	1.37	141.58	5.574	N	Q
LEM080C 01	6.30	0.248	0.80	0.031	24.50	5.51	3.25	0.73	15.50	0.610	3.842	21.94	21.08	0.830	J	L
LEM080C 02									19.00	0.748	2.314	13.21	28.14	1.108	J	L
LEM080C 03									22.00	0.866	1.725	9.85	34.44	1.356	J	L
LEM080C 04									25.00	0.984	1.377	7.86	40.49	1.594	K	M
LEM080C 05									30.00	1.181	1.028	5.87	50.57	1.991	K	M
LEM080C 06									35.00	1.378	0.821	4.69	60.91	2.398	K	M
LEM080C 07									40.00	1.575	0.683	3.90	71.25	2.805	L	N
LEM080C 08									45.00	1.772	0.585	3.34	81.33	3.202	L	N
LEM080C 09									50.00	1.969	0.511	2.92	91.67	3.609	M	P
LEM080C 10									55.00	2.165	0.455	2.60	101.73	4.005	M	P
LEM080C 11									60.00	2.362	0.408	2.33	112.06	4.412	N	Q
LEM080C 12									65.00	2.559	0.371	2.12	122.15	4.809	N	Q
LEM080C 13									70.00	2.756	0.340	1.94	132.49	5.216	N	Q
LEM080C 14									75.00	2.953	0.313	1.79	142.82	5.623	N	Q
LEM090C 01†	6.30	0.248	0.90	0.035	37.10	8.34	5.58	1.25	17.10	0.673	4.230	24.15	24.54	0.966	J	L
LEM090C 02†									22.50	0.886	2.650	15.13	34.39	1.354	K	M
LEM090C 03†									30.60	1.205	1.700	9.71	49.20	1.937	K	M
LEM090C 04†									44.10	1.736	1.060	6.05	73.81	2.906	L	N
LE 018C 01	6.35	0.250	0.46	0.018	4.89	1.10	0.44	0.10	15.88	0.625	0.222	1.27	35.94	1.415	J	L
LE 018C 02									19.05	0.750	0.130	0.74	53.34	2.100	J	L
LE 018C 03									22.23	0.875	0.093	0.53	70.23	2.765	J	L
LE 018C 04									25.40	1.000	0.072	0.41	87.38	3.440	K	M
LE 018C 05									28.58	1.125	0.060	0.34	103.51	4.075	K	M
LE 018C 06									31.75	1.250	0.049	0.28	122.68	4.830	K	M
LE 018C 07									34.93	1.375	0.044	0.25	136.78	5.385	K	M
LE 018C 08									38.10	1.500	0.037	0.21	159.26	6.270	L	N
LE 018C 09									44.45	1.750	0.030	0.17	194.06	7.640	L	N
LE 018C 10									50.80	2.000	0.025	0.14	232.66	9.160	L	N
LE 018C 11									57.15	2.250	0.023	0.13	252.98	9.960	M	P
LE 018C 12									63.50	2.500	0.019	0.11	294.89	11.610	M	P
LE 018C 13									69.85	2.750	0.018	0.10	324.36	12.770	M	P

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

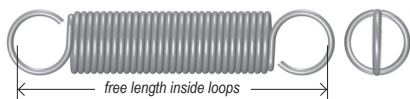


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 022C 01	6.35	0.250	0.56	0.022	9.34	2.10	0.89	0.20	15.88	0.625	0.578	3.30	30.61	1.205	J	L
LE 022C 02									19.05	0.750	0.350	2.00	43.18	1.700	J	L
LE 022C 03									22.23	0.875	0.263	1.50	54.48	2.145	J	L
LE 022C 04									25.40	1.000	0.200	1.14	67.82	2.670	K	M
LE 022C 05									28.58	1.125	0.165	0.94	79.88	3.145	K	M
LE 022C 06									31.75	1.250	0.140	0.80	92.20	3.630	K	M
LE 022C 07									34.93	1.375	0.123	0.70	103.76	4.085	K	M
LE 022C 08									38.10	1.500	0.105	0.60	118.62	4.670	L	N
LE 022C 09									44.45	1.750	0.088	0.50	140.97	5.550	L	N
LE 022C 10									50.80	2.000	0.070	0.40	171.45	6.750	L	N
LE 022C 11									57.15	2.250	0.063	0.36	191.26	7.530	M	P
LE 022C 12									63.50	2.500	0.056	0.32	214.38	8.440	M	P
LE 022C 13									69.85	2.750	0.049	0.28	242.32	9.540	M	P
LE 026C 002	6.35	0.250	0.66	0.026	13.79	3.10	1.78	0.40	12.70	0.500	3.555	20.30	16.00	0.630	J	L
LE 026C 001									15.88	0.625	1.331	7.60	25.02	0.985	J	L
LE 026C 00									19.05	0.750	0.841	4.80	33.27	1.310	J	L
LE 026C 0									22.23	0.875	0.613	3.50	41.78	1.645	K	M
LE 026C 01									25.40	1.000	0.490	2.80	49.78	1.960	K	M
LE 026C 02									28.58	1.125	0.403	2.30	58.29	2.295	K	M
LE 026C 03									31.75	1.250	0.333	1.90	67.82	2.670	K	M
LE 026C 04									34.93	1.375	0.298	1.70	75.31	2.965	K	M
LE 026C 05									38.10	1.500	0.263	1.50	83.82	3.300	L	N
LE 026C 06									44.45	1.750	0.210	1.20	101.60	4.000	L	N
LE 026C 07									50.80	2.000	0.175	1.00	119.38	4.700	L	N
LE 026C 08									57.15	2.250	0.151	0.86	136.91	5.390	M	P
LE 026C 09									63.50	2.500	0.133	0.76	153.67	6.050	M	P
LE 026C 10									69.85	2.750	0.119	0.68	170.69	6.720	M	P
LE 026C 11									76.20	3.000	0.105	0.60	190.50	7.500	N	Q
LE 026C 12	88.90	3.500	0.090	0.52	222.07	8.743	P	R								
LE 026C 13	101.60	4.000	0.078	0.44	256.41	10.095	Q	S								
LE 026C 14	114.30	4.500	0.068	0.39	290.60	11.441	Q	S								
LE 026C 15	127.00	5.000	0.061	0.35	325.20	12.803	R	T								
LE 029C 001	6.35	0.250	0.74	0.029	19.13	4.30	2.45	0.55	15.88	0.625	2.294	13.10	23.24	0.915	J	L
LE 029C 00									19.05	0.750	1.384	7.90	30.99	1.220	J	L
LE 029C 0									22.23	0.875	1.051	6.00	38.23	1.505	K	M
LE 029C 01									25.40	1.000	0.823	4.70	45.72	1.800	K	M
LE 029C 02									28.58	1.125	0.683	3.90	52.96	2.085	K	M
LE 029C 03									31.75	1.250	0.595	3.40	59.69	2.350	K	M
LE 029C 04									34.93	1.375	0.508	2.90	67.69	2.665	K	M
LE 029C 05									38.10	1.500	0.447	2.55	75.44	2.970	L	N
LE 029C 06									44.45	1.750	0.368	2.10	89.92	3.540	L	N
LE 029C 07									50.80	2.000	0.315	1.80	103.63	4.080	L	N
LE 029C 08									57.15	2.250	0.280	1.60	116.59	4.590	M	P
LE 029C 09									63.50	2.500	0.240	1.37	133.10	5.240	M	P
LE 029C 10									69.85	2.750	0.214	1.22	147.83	5.820	M	P
LE 029C 11									76.20	3.000	0.193	1.10	162.81	6.410	N	Q
LE 029C 12									88.90	3.500	0.162	0.92	192.07	7.562	P	R
LE 029C 13	101.60	4.000	0.139	0.80	221.39	8.716	Q	S								
LE 029C 14	114.30	4.500	0.122	0.70	250.95	9.880	Q	S								
LE 029C 15	127.00	5.000	0.109	0.62	280.37	11.038	R	T								
LE 031C 001	6.35	0.250	0.79	0.031	23.13	5.20	3.11	0.70	15.88	0.625	3.300	18.84	21.97	0.865	J	L
LE 031C 00									19.05	0.750	2.102	12.00	28.70	1.130	J	L
LE 031C 0									22.23	0.875	1.541	8.80	35.18	1.385	K	M
LE 031C 01									25.40	1.000	1.208	6.90	41.91	1.650	K	M
LE 031C 02									28.58	1.125	0.998	5.70	48.64	1.915	K	M
LE 031C 03									31.75	1.250	0.858	4.90	55.12	2.170	K	M
LE 031C 04									34.93	1.375	0.753	4.30	61.60	2.425	K	M
LE 031C 05									38.10	1.500	0.666	3.80	68.07	2.680	L	N
LE 031C 06									44.45	1.750	0.525	3.00	82.55	3.250	L	N

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

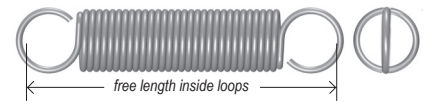
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 031C 07	6.35	0.250	0.79	0.031	23.13	5.20	3.11	0.70	50.80	2.000	0.455	2.60	94.74	3.730	L	N						
LE 031C 08									57.15	2.250	0.385	2.20	109.22	4.300	M	P						
LE 031C 09									63.50	2.500	0.350	2.00	120.65	4.750	M	P						
LE 031C 10									69.85	2.750	0.306	1.75	135.13	5.320	M	P						
LE 031C 11									76.20	3.000	0.275	1.57	149.10	5.870	N	Q						
LE 031C 12									88.90	3.500	0.231	1.32	175.49	6.909	P	R						
LE 031C 13									101.60	4.000	0.200	1.14	201.85	7.947	Q	S						
LE 031C 14									114.30	4.500	0.175	1.00	228.60	9.000	R	S						
LE 031C 15									127.00	5.000	0.156	0.89	255.42	10.056	R	T						
LE 034C 001									0.86	0.034	30.25	6.80	3.78	0.85	15.88	0.625	4.974	28.40	21.21	0.835	J	L
LE 034C 00															19.05	0.750	3.117	17.80	27.43	1.080	J	L
LE 034C 0															22.23	0.875	2.364	13.50	33.40	1.315	K	M
LE 034C 01															25.40	1.000	1.891	10.80	39.37	1.550	K	M
LE 034C 02															28.58	1.125	1.594	9.10	45.09	1.775	K	M
LE 034C 03															31.75	1.250	1.384	7.90	50.80	2.000	K	M
LE 034C 04	34.93	1.375	1.173	6.70	57.53	2.265	K	M														
LE 034C 05	38.10	1.500	1.068	6.10	62.99	2.480	L	N														
LE 034C 06	44.45	1.750	0.858	4.90	75.18	2.960	L	N														
LE 034C 07	50.80	2.000	0.736	4.20	86.87	3.420	L	N														
LE 034C 08	57.15	2.250	0.630	3.60	99.06	3.900	M	P														
LE 034C 09	63.50	2.500	0.560	3.20	110.74	4.360	M	P														
LE 034C 10	69.85	2.750	0.499	2.85	122.94	4.840	M	P														
LE 034C 11	76.20	3.000	0.455	2.60	134.37	5.290	N	Q														
LE 034C 12	88.90	3.500	0.382	2.18	158.22	6.229	P	R														
LE 034C 13	101.60	4.000	0.329	1.88	181.99	7.165	Q	S														
LE 034C 14	114.30	4.500	0.289	1.65	205.89	8.106	R	T														
LE 034C 15	127.00	5.000	0.257	1.47	229.82	9.048	S	U														
LE 037C 00	0.94	0.037	37.81	8.50	4.45	1.00	15.88	0.625							7.828	44.70	20.19	0.795	J	L		
LE 037C 0							19.05	0.750							5.096	29.10	25.65	1.010	J	L		
LE 037C 01							25.40	1.000							3.100	17.70	36.07	1.420	K	M		
LE 037C 02							28.58	1.125							2.627	15.00	41.28	1.625	K	M		
LE 037C 03							31.75	1.250							2.224	12.70	46.74	1.840	K	M		
LE 037C 04							34.93	1.375							1.926	11.00	52.20	2.055	K	M		
LE 037C 05							38.10	1.500							1.699	9.70	57.66	2.270	L	N		
LE 037C 06							44.45	1.750							1.401	8.00	68.33	2.690	L	N		
LE 037C 07							50.80	2.000							1.173	6.70	79.25	3.120	L	N		
LE 037C 08							57.15	2.250							1.016	5.80	89.92	3.540	M	P		
LE 037C 09							63.50	2.500							0.893	5.10	100.84	3.970	M	P		
LE 037C 10							69.85	2.750							0.806	4.60	111.25	4.380	M	P		
LE 037C 11							76.20	3.000	0.718	4.10	122.68	4.830	N	Q								
LE 037C 12							82.55	3.250	0.657	3.75	133.35	5.250	N	Q								
LE 037C 13							88.90	3.500	0.599	3.42	144.53	5.690	N	Q								
LE 037C 14							101.60	4.000	0.522	2.98	165.53	6.517	Q	S								
LE 037C 15	114.30	4.500	0.459	2.62	187.02	7.363	R	T														
LE 037C 16	127.00	5.000	0.408	2.33	208.76	8.219	S	U														
LE 041C 01	1.04	0.041	52.04	11.70	4.67	1.05	19.05	0.750	9.037	51.60	24.38	0.960	J	L								
LE 041C 02							25.40	1.000	5.254	30.00	34.54	1.360	K	M								
LE 041C 03							28.58	1.125	4.378	25.00	39.50	1.555	K	M								
LE 041C 04							31.75	1.250	3.765	21.50	44.45	1.750	K	M								
LE 041C 05							34.93	1.375	3.328	19.00	49.15	1.935	K	M								
LE 041C 06							38.10	1.500	2.942	16.80	54.10	2.130	L	N								
LE 041C 07							44.45	1.750	2.417	13.80	64.01	2.520	L	N								
LE 041C 08							50.80	2.000	2.049	11.70	73.91	2.910	L	N								
LE 041C 09							57.15	2.250	1.769	10.10	83.82	3.300	M	P								
LE 041C 10							63.50	2.500	1.559	8.90	93.98	3.700	M	P								
LE 041C 11							69.85	2.750	1.401	8.00	103.63	4.080	M	P								
LE 041C 12							76.20	3.000	1.270	7.25	113.54	4.470	N	Q								
LE 041C 13							88.90	3.500	1.068	6.10	133.35	5.250	N	Q								
LE 041C 14							101.60	4.000	0.919	5.25	153.14	6.029	Q	S								
LE 041C 15							114.30	4.500	0.809	4.62	172.85	6.805	R	T								
LE 041C 16							127.00	5.000	0.722	4.12	192.66	7.585	S	U								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

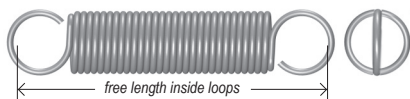


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP			
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S		
LEM063CA 01†	7.00	0.276	0.63	0.025	12.20	2.74	1.67	0.38	16.10	0.634	0.620	3.54	32.69	1.287	J	L		
LEM063CA 02†									19.90	0.783	0.390	2.23	46.51	1.831	J	L		
LEM063CA 03†									25.60	1.008	0.250	1.43	67.21	2.646	K	M		
LEM063CA 04†									35.00	1.378	0.160	0.91	101.50	3.996	K	M		
LEM063CA 05†									47.60	1.874	0.110	0.63	147.29	5.799	L	N		
LEM100CA 01†			1.00	0.039	45.30	10.18	5.70	1.28	5.70	1.28	19.00	0.748	4.710	26.89	27.18	1.070	J	L
LEM100CA 02†											25.00	0.984	2.940	16.79	38.10	1.500	K	M
LEM100CA 03†											34.00	1.339	1.830	10.45	54.41	2.142	K	M
LEM100CA 04†											49.00	1.929	1.180	6.74	81.71	3.217	L	N
LEM100CA 05†											290.00	11.417	0.180	1.03	510.01	20.079	BC	BD
LEM140CA 01†			1.40	0.055	114.00	25.63	16.88	3.80	16.88	3.80	22.10	0.870	22.300	127.34	26.47	1.042	L	N
LEM140CA 02†											30.50	1.201	13.900	79.37	37.49	1.476	M	P
LEM140CA 03†											43.10	1.697	8.910	50.88	54.00	2.126	N	Q
LEM070CB 01†			7.50	0.295	0.70	0.028	15.40	3.46	2.18	0.49	17.50	0.689	0.780	4.45	34.39	1.354	K	M
LEM070CB 02†											21.70	0.854	0.490	2.80	48.69	1.917	K	M
LEM070CB 03†	28.00	1.102									0.310	1.77	70.21	2.764	K	M		
LEM070CB 04†	38.50	1.516									0.200	1.14	105.99	4.173	L	N		
LEM070CB 05†	52.50	2.067									0.130	0.74	153.49	6.043	M	P		
LEM110CB 01†	1.10	0.043			55.50	12.48	8.25	1.86	8.25	1.86	20.60	0.811	5.690	32.49	28.91	1.138	K	M
LEM110CB 02†											27.20	1.071	3.550	20.27	40.49	1.594	K	M
LEM110CB 03†											37.10	1.461	2.280	13.02	57.91	2.280	L	N
LEM110CB 04†											53.60	2.110	1.420	8.11	86.79	3.417	M	P
LE 030CD 01											7.95	0.313	0.76	0.030	17.79	4.00	1.78	0.40
LE 030CD 02	28.58	1.125	0.473	2.70	62.36	2.455	K	M										
LE 030CD 03	31.75	1.250	0.403	2.30	71.63	2.820	K	M										
LE 030CD 04	34.93	1.375	0.333	1.90	82.93	3.265	K	M										
LE 030CD 05	38.10	1.500	0.298	1.70	91.95	3.620	L	N										
LE 030CD 06	44.45	1.750	0.228	1.30	114.81	4.520	L	N										
LE 030CD 07	50.80	2.000	0.193	1.10	133.86	5.270	L	N										
LE 030CD 08	57.15	2.250	0.165	0.94	154.43	6.080	M	P										
LE 030CD 09	63.50	2.500	0.145	0.83	173.74	6.840	M	P										
LE 030CD 10	69.85	2.750	0.127	0.73	195.63	7.702	N	Q										
LE 030CD 11	76.20	3.000	0.114	0.65	216.23	8.513	P	R										
LE 037CD 0	0.94	0.037	31.14	7.00	3.69	0.83	3.69	0.83	19.05	0.750			3.221	18.39	27.58	1.086	K	M
LE 037CD 01									25.40	1.000			1.576	9.00	42.93	1.690	K	M
LE 037CD 02									28.58	1.125			1.226	7.00	50.93	2.005	K	M
LE 037CD 03									31.75	1.250			1.051	6.00	57.91	2.280	K	M
LE 037CD 04									34.93	1.375			0.911	5.20	65.15	2.565	K	M
LE 037CD 05									38.10	1.500			0.806	4.60	72.14	2.840	L	N
LE 037CD 06									44.45	1.750			0.630	3.60	87.88	3.460	L	N
LE 037CD 07									50.80	2.000			0.543	3.10	101.35	3.990	L	N
LE 037CD 08									57.15	2.250			0.455	2.60	117.35	4.620	M	P
LE 037CD 09									63.50	2.500			0.420	2.40	128.78	5.070	M	P
LE 037CD 10									69.85	2.750			0.368	2.10	144.53	5.690	M	P
LE 037CD 11	76.20	3.000	0.333	1.90	158.75	6.250	N	Q										
LE 043CD 01	1.09	0.043	45.82	10.30	5.78	1.30	5.78	1.30	25.40	1.000	3.928	22.43	35.56	1.400	K	M		
LE 043CD 02									28.58	1.125	3.149	17.98	41.28	1.625	K	M		
LE 043CD 03									31.75	1.250	2.627	15.00	46.99	1.850	K	M		
LE 043CD 04									34.93	1.375	2.254	12.87	52.71	2.075	K	M		
LE 043CD 05									38.10	1.500	1.974	11.27	58.42	2.300	L	N		
LE 043CD 06									44.45	1.750	1.581	9.03	69.85	2.750	L	N		
LE 043CD 07									50.80	2.000	1.319	7.53	81.28	3.200	L	N		
LE 043CD 08									57.15	2.250	1.131	6.46	92.46	3.640	M	P		
LE 043CD 09									63.50	2.500	0.990	5.65	103.89	4.090	M	P		
LE 043CD 10									69.85	2.750	0.879	5.02	115.32	4.540	M	P		
LE 043CD 11									76.20	3.000	0.792	4.52	126.75	4.990	N	Q		
LE 049CD 01	1.24	0.049	66.72	15.00	8.01	1.80	8.01	1.80	25.40	1.000	6.305	36.00	34.80	1.370	K	M		
LE 049CD 02									28.58	1.125	5.254	30.00	39.75	1.565	K	M		
LE 049CD 03									31.75	1.250	4.553	26.00	44.70	1.760	K	M		

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

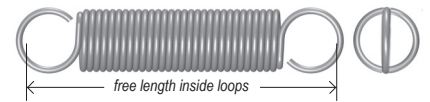
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 049CD 04	7.95	0.313	1.24	0.049	66.72	15.00	8.01	1.80	34.93	1.375	4.028	23.00	49.40	1.945	K	M						
LE 049CD 05									38.10	1.500	3.678	21.00	54.10	2.130	L	N						
LE 049CD 06									44.45	1.750	2.890	16.50	64.77	2.550	L	N						
LE 049CD 07									50.80	2.000	2.452	14.00	74.68	2.940	L	N						
LE 049CD 08									57.15	2.250	2.102	12.00	85.09	3.350	M	P						
LE 049CD 09									63.50	2.500	1.926	11.00	93.98	3.700	M	P						
LE 049CD 10									69.85	2.750	1.751	10.00	103.38	4.070	M	P						
LE 049CD 11									76.20	3.000	1.576	9.00	113.54	4.470	N	Q						
LE 055CD 01									1.40	0.055	93.41	21.00	13.34	3.00	25.40	1.000	14.398	82.21	30.99	1.220	L	N
LE 055CD 02															28.58	1.125	11.695	66.78	35.43	1.395	L	N
LE 055CD 03															31.75	1.250	9.846	56.22	39.88	1.570	M	P
LE 055CD 04	34.93	1.375	8.503	48.55	44.32	1.745	M	P														
LE 055CD 05	38.10	1.500	7.482	42.72	48.77	1.920	N	Q														
LE 055CD 06	44.45	1.750	6.033	34.45	57.66	2.270	N	Q														
LE 055CD 07	50.80	2.000	5.053	28.85	66.55	2.620	N	Q														
LE 055CD 08	57.15	2.250	4.349	24.83	75.44	2.970	P	R														
LE 055CD 09	63.50	2.500	3.816	21.79	84.58	3.330	P	R														
LE 055CD 10	69.85	2.750	3.399	19.41	93.47	3.680	P	R														
LE 055CD 11	76.20	3.000	3.065	17.50	102.36	4.030	Q	S														
LEM075CD 01	8.00	0.315	0.75	0.030	16.70	3.75	1.65	0.37	25.00	0.984	0.573	3.27	51.16	2.014	K	M						
LEM075CD 02									30.00	1.181	0.396	2.26	68.10	2.681	K	M						
LEM075CD 03									35.00	1.378	0.303	1.73	84.53	3.328	K	M						
LEM075CD 04									40.00	1.575	0.245	1.40	101.22	3.985	K	M						
LEM075CD 05									45.00	1.772	0.207	1.18	117.65	4.632	L	N						
LEM075CD 06									50.00	1.969	0.177	1.01	135.10	5.319	L	N						
LEM075CD 07									55.00	2.165	0.156	0.89	151.51	5.965	L	N						
LEM075CD 08									60.00	2.362	0.138	0.79	168.71	6.642	M	P						
LEM075CD 09									65.00	2.559	0.126	0.72	184.12	7.249	M	P						
LEM160CD 01†	1.60	0.063	146.00	32.82	21.81	4.90	25.30	0.996	25.400	145.04	30.18	1.188	L	N								
LEM160CD 02†							34.90	1.374	15.900	90.79	42.70	1.681	L	N								
LEM160CD 03†							49.30	1.941	10.200	58.24	61.49	2.421	M	P								
LEM120CE 01†	8.50	0.335	1.20	0.047	62.80	14.12	9.22	2.07	23.00	0.906	5.430	31.01	32.84	1.293	L	N						
LEM120CE 02†									30.20	1.189	3.390	19.36	46.00	1.811	L	N						
LEM120CE 03†									41.00	1.614	2.170	12.39	65.61	2.583	M	P						
LEM120CE 04†									59.00	2.323	1.350	7.71	98.60	3.882	M	P						
LEM120CE 05†									290.00	11.417	0.240	1.37	515.01	20.276	BD	BE						
LEM080CF 01†	9.00	0.354	0.80	0.031	19.00	4.27	2.73	0.61	20.60	0.811	0.760	4.34	42.01	1.654	J	L						
LEM080CF 02†									25.40	1.000	0.470	2.68	59.69	2.350	K	M						
LEM080CF 03†									32.60	1.283	0.300	1.71	86.11	3.390	K	M						
LEM080CF 04†									44.60	1.756	0.190	1.08	130.20	5.126	L	N						
LEM080CF 05†									60.60	2.386	0.130	0.74	188.60	7.425	M	P						
LEM180CF 01†	1.80	0.071	180.00	40.47	26.47	5.95	28.40	1.118	28.600	163.31	33.78	1.330	N	R								
LEM180CF 02†							39.20	1.543	17.800	101.64	47.78	1.881	Q	T								
LEM180CF 03†							55.40	2.181	11.500	65.67	68.81	2.709	R	U								
LEM095D 01	9.50	0.374	0.95	0.037	26.00	5.84	3.16	0.71	19.00	0.748	4.492	25.65	24.08	0.948	J	L						
LEM095D 02									22.00	0.866	2.187	12.49	32.41	1.276	J	L						
LEM095D 03									25.00	0.984	1.447	8.26	40.74	1.604	K	M						
LEM095D 04									30.00	1.181	0.925	5.28	54.64	2.151	K	M						
LEM095D 05									35.00	1.378	0.680	3.88	68.53	2.698	K	M						
LEM095D 06									40.00	1.575	0.536	3.06	82.68	3.255	L	N						
LEM095D 07									45.00	1.772	0.443	2.53	96.57	3.802	L	N						
LEM095D 08									50.00	1.969	0.378	2.16	110.46	4.349	L	N						
LEM095D 09									55.00	2.165	0.329	1.88	124.33	4.895	M	P						
LEM095D 10									60.00	2.362	0.292	1.67	137.97	5.432	M	P						
LEM095D 11									65.00	2.559	0.263	1.50	151.87	5.979	M	P						
LEM095D 12									70.00	2.756	0.238	1.36	165.76	6.526	N	Q						
LEM120D 01	1.20	0.047	54.00	12.14	6.85	1.54	25.00	0.984	4.687	26.76	35.15	1.384	M	N								
LEM120D 02							30.00	1.181	3.082	17.60	45.24	1.781	M	P								
LEM120D 03							35.00	1.378	2.296	13.11	55.58	2.188	M	P								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

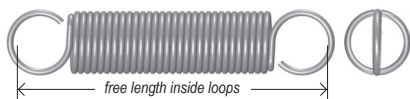


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP									
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S								
LEM120D 04	9.50	0.374	1.20	0.047	54.00	12.14	6.85	1.54	40.00	1.575	1.828	10.44	65.91	2.595	N	Q								
LEM120D 05									45.00	1.772	1.520	8.68	76.00	2.992	N	Q								
LEM120D 06									50.00	1.969	1.301	7.43	86.33	3.399	P	R								
LEM120D 07									55.00	2.165	1.137	6.49	96.39	3.795	P	R								
LEM120D 08									60.00	2.362	1.009	5.76	106.73	4.202	P	R								
LEM120D 09									70.00	2.756	0.825	4.71	127.15	5.006	Q	S								
LEM120D 10									80.00	3.150	0.697	3.98	147.57	5.810	Q	S								
LEM120D 11									90.00	3.543	0.602	3.44	168.22	6.623	Q	S								
LEM120D 12									100.00	3.937	0.532	3.04	188.65	7.427	R	T								
LEM120D 13									115.00	4.528	0.452	2.58	219.41	8.638	R	T								
LEM150D 01									9.53	0.375	1.50	0.059	98.00	22.05	14.68	3.30	25.00	0.984	14.604	83.39	30.58	1.204	P	R
LEM150D 02																	30.00	1.181	9.893	56.49	38.38	1.511	P	R
LEM150D 03																	35.00	1.378	7.480	42.71	46.18	1.818	Q	S
LEM150D 04																	40.00	1.575	6.014	34.34	53.98	2.125	Q	S
LEM150D 05	45.00	1.772	5.028	28.71	61.52	2.422	Q	S																
LEM150D 06	50.00	1.969	4.321	24.67	69.32	2.729	R	T																
LEM150D 07	55.00	2.165	3.786	21.62	77.09	3.035	R	T																
LEM150D 08	60.00	2.362	3.370	19.24	84.63	3.332	R	T																
LEM150D 09	70.00	2.756	2.764	15.78	100.23	3.946	R	T																
LEM150D 10	80.00	3.150	2.342	13.37	115.57	4.550	S	U																
LE 026D 01	9.53	0.375	0.66	0.026	10.23	2.30	0.98	0.22									25.40	1.000	0.228	1.30	66.04	2.600	J	L
LE 026D 02																	28.58	1.125	0.161	0.92	85.98	3.385	K	M
LE 026D 03																	31.75	1.250	0.126	0.72	105.16	4.140	K	M
LE 026D 04																	34.93	1.375	0.105	0.60	123.06	4.845	K	M
LE 026D 05									38.10	1.500	0.088	0.50	143.76	5.660	L	N								
LE 026D 06									44.45	1.750	0.068	0.39	179.83	7.080	L	N								
LE 031D 0									9.53	0.375	0.79	0.031	15.12	3.40	1.33	0.30	22.23	0.875	0.851	4.86	38.48	1.515	J	L
LE 031D 01																	25.40	1.000	0.543	3.10	50.80	2.000	J	L
LE 031D 02																	28.58	1.125	0.403	2.30	62.87	2.475	K	M
LE 031D 03																	31.75	1.250	0.315	1.80	75.44	2.970	K	M
LE 031D 04																	34.93	1.375	0.263	1.50	87.50	3.445	K	M
LE 031D 05																	38.10	1.500	0.228	1.30	98.55	3.880	L	N
LE 031D 06																	44.45	1.750	0.168	0.96	126.49	4.980	L	N
LE 031D 07																	50.80	2.000	0.137	0.78	151.64	5.970	L	N
LE 031D 08	57.15	2.250	0.116	0.66	176.53	6.950	M	P																
LE 031D 09	63.50	2.500	0.100	0.57	201.68	7.940	M	P																
LE 031D 10	69.85	2.750	0.088	0.50	227.33	8.950	M	P																
LE 031D 11	76.20	3.000	0.079	0.45	251.21	9.890	N	Q																
LE 034D 01	9.53	0.375	0.86	0.034	20.46	4.60	2.22	0.50									25.40	1.000	0.841	4.80	46.99	1.850	J	L
LE 034D 02																	28.58	1.125	0.630	3.60	57.53	2.265	K	M
LE 034D 03									31.75	1.250	0.490	2.80	68.83	2.710	K	M								
LE 034D 04									34.93	1.375	0.420	2.40	78.36	3.085	K	M								
LE 034D 05									38.10	1.500	0.350	2.00	90.17	3.550	L	N								
LE 034D 06									44.45	1.750	0.280	1.60	109.47	4.310	L	N								
LE 034D 07									50.80	2.000	0.228	1.30	130.81	5.150	M	P								
LE 034D 08									57.15	2.250	0.188	1.07	154.20	6.071	M	P								
LE 034D 09									63.50	2.500	0.163	0.93	175.72	6.918	M	P								
LE 034D 10									69.85	2.750	0.143	0.82	197.15	7.762	M	P								
LE 034D 11									76.20	3.000	0.128	0.73	218.67	8.609	N	Q								
LE 034D 12									88.90	3.500	0.106	0.60	261.59	10.299	N	Q								
LE 034D 13									101.60	4.000	0.090	0.51	304.60	11.992	P	R								
LE 034D 14									114.30	4.500	0.078	0.45	347.80	13.693	P	R								
LE 034D 15	127.00	5.000	0.069	0.40	390.65	15.380	Q	S																
LE 037D 0	9.53	0.375	0.94	0.037	25.80	5.80	3.11	0.70	19.05	0.750	4.256	24.30	24.38	0.960	J	L								
LE 037D 01									25.40	1.000	1.349	7.70	42.16	1.660	J	L								
LE 037D 02									28.58	1.125	0.981	5.60	51.69	2.035	K	M								
LE 037D 03									31.75	1.250	0.771	4.40	61.21	2.410	K	M								
LE 037D 04									34.93	1.375	0.648	3.70	69.98	2.755	K	M								
LE 037D 05									38.10	1.500	0.560	3.20	78.49	3.090	L	N								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

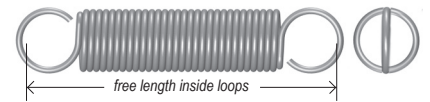
● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 037D 06	9.53	0.375	0.94	0.037	25.80	5.80	3.11	0.70	44.45	1.750	0.420	2.40	98.55	3.880	L	N						
LE 037D 07									50.80	2.000	0.350	2.00	115.57	4.550	M	P						
LE 037D 08									57.15	2.250	0.298	1.70	133.35	5.250	M	P						
LE 037D 09									63.50	2.500	0.245	1.40	155.96	6.140	M	P						
LE 037D 10									69.85	2.750	0.221	1.26	172.72	6.800	M	P						
LE 037D 11									76.20	3.000	0.200	1.14	189.74	7.470	N	Q						
LE 037D 12									88.90	3.500	0.165	0.94	226.42	8.914	P	R						
LE 037D 13									101.60	4.000	0.140	0.80	263.32	10.367	Q	S						
LE 037D 14									114.30	4.500	0.122	0.70	299.90	11.807	R	S						
LE 037D 15									127.00	5.000	0.108	0.62	336.60	13.252	R	T						
LE 039D 01									0.99	0.039	30.25	6.80	3.56	0.80	25.40	1.000	1.681	9.60	41.40	1.630	J	L
LE 039D 02															28.58	1.125	1.226	7.00	50.42	1.985	K	M
LE 039D 03															31.75	1.250	0.998	5.70	58.42	2.300	K	M
LE 039D 04															34.93	1.375	0.841	4.80	66.68	2.625	K	M
LE 039D 05															38.10	1.500	0.718	4.10	75.18	2.960	L	N
LE 039D 06	44.45	1.750	0.560	3.20	92.20	3.630	L	N														
LE 039D 07	50.80	2.000	0.455	2.60	109.47	4.310	M	P														
LE 039D 08	57.15	2.250	0.385	2.20	126.49	4.980	M	P														
LE 039D 09	63.50	2.500	0.333	1.90	143.76	5.660	M	P														
LE 039D 10	69.85	2.750	0.296	1.69	160.02	6.300	M	P														
LE 039D 11	76.20	3.000	0.264	1.51	177.04	6.970	N	Q														
LE 041D 0	1.04	0.041	34.70	7.80	4.00	0.90	19.05	0.750							6.655	38.00	23.62	0.930	L	P		
LE 041D 01							25.40	1.000							2.224	12.70	39.12	1.540	L	P		
LE 041D 02							28.58	1.125							1.664	9.50	47.12	1.855	M	Q		
LE 041D 03							31.75	1.250							1.331	7.60	54.86	2.160	M	Q		
LE 041D 04							34.93	1.375	1.121	6.40	62.36	2.455	M	Q								
LE 041D 05							38.10	1.500	0.963	5.50	69.85	2.750	N	R								
LE 041D 06							44.45	1.750	0.736	4.20	86.11	3.390	N	R								
LE 041D 07							50.80	2.000	0.595	3.40	102.36	4.030	N	R								
LE 041D 08							57.15	2.250	0.508	2.90	117.60	4.630	P	S								
LE 041D 09							63.50	2.500	0.438	2.50	133.60	5.260	P	S								
LE 041D 10							69.85	2.750	0.384	2.19	149.86	5.900	P	S								
LE 041D 11							76.20	3.000	0.343	1.96	165.61	6.520	Q	T								
LE 041D 12							88.90	3.500	0.285	1.63	196.34	7.730	Q	T								
LE 041D 13							101.60	4.000	0.242	1.38	228.52	8.997	R	U								
LE 041D 14							114.30	4.500	0.210	1.20	260.35	10.250	R	U								
LE 041D 15	127.00	5.000	0.187	1.07	290.83	11.450	R	U														
LE 045D 0	1.14	0.045	44.48	10.00	5.34	1.20	19.05	0.750	9.983	57.00	22.86	0.900	L	P								
LE 045D 01							25.40	1.000	3.538	20.20	36.58	1.440	L	P								
LE 045D 02							28.58	1.125	2.732	15.60	42.80	1.685	M	Q								
LE 045D 03							31.75	1.250	2.137	12.20	50.04	1.970	M	Q								
LE 045D 04							34.93	1.375	1.769	10.10	57.02	2.245	M	Q								
LE 045D 05							38.10	1.500	1.541	8.80	63.50	2.500	N	R								
LE 045D 06							44.45	1.750	1.313	7.50	74.17	2.920	N	R								
LE 045D 07							50.80	2.000	0.981	5.60	90.68	3.570	N	R								
LE 045D 08							57.15	2.250	0.841	4.80	103.63	4.080	P	S								
LE 045D 09							63.50	2.500	0.718	4.10	118.11	4.650	P	S								
LE 045D 10							69.85	2.750	0.630	3.60	131.83	5.190	P	S								
LE 045D 11							76.20	3.000	0.560	3.20	146.05	5.750	Q	T								
LE 045D 12							88.90	3.500	0.455	2.60	174.75	6.880	Q	T								
LE 045D 13							101.60	4.000	0.394	2.25	200.91	7.910	R	U								
LE 045D 14							114.30	4.500	0.347	1.98	227.08	8.940	R	U								
LE 045D 15	127.00	5.000	0.308	1.76	254.00	10.000	S	V														
LE 045D 16	139.70	5.500	0.277	1.58	281.18	11.070	S	V														
LE 045D 17	152.40	6.000	0.250	1.43	308.71	12.154	S	V														
LE 049D 01	1.24	0.049	57.83	13.00	6.67	1.50	25.40	1.000	5.254	30.00	35.05	1.380	L	P								
LE 049D 02							28.58	1.125	4.151	23.70	41.02	1.615	M	Q								
LE 049D 03							31.75	1.250	3.328	19.00	47.24	1.860	M	Q								
LE 049D 04							34.93	1.375	2.802	16.00	53.21	2.095	M	Q								
LE 049D 05							38.10	1.500	2.434	13.90	59.18	2.330	N	R								
LE 049D 06							44.45	1.750	1.891	10.80	71.37	2.810	N	R								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

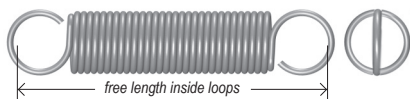


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 049D 07	9.53	0.375	1.24	0.049	57.83	13.00	6.67	1.50	50.80	2.000	1.576	9.00	83.31	3.280	N	R						
LE 049D 08									57.15	2.250	1.313	7.50	96.01	3.780	P	S						
LE 049D 09									63.50	2.500	1.121	6.40	109.22	4.300	P	S						
LE 049D 10									69.85	2.750	1.016	5.80	120.14	4.730	P	S						
LE 049D 11									76.20	3.000	0.911	5.20	132.33	5.210	Q	T						
LE 049D 12									88.90	3.500	0.736	4.20	158.50	6.240	Q	T						
LE 049D 13									101.60	4.000	0.630	3.60	182.63	7.190	R	U						
LE 049D 14									114.30	4.500	0.560	3.20	205.49	8.090	R	U						
LE 049D 15									127.00	5.000	0.485	2.77	232.41	9.150	S	V						
LE 049D 16									139.70	5.500	0.438	2.50	256.54	10.100	T	W						
LE 049D 17									152.40	6.000	0.398	2.27	281.08	11.066	T	W						
LE 052D 01									1.32	0.052	68.95	15.50	7.78	1.75	25.40	1.000	7.128	40.70	34.04	1.340	N	R
LE 052D 02															28.58	1.125	5.429	31.00	39.75	1.565	P	S
LE 052D 03															31.75	1.250	4.378	25.00	45.72	1.800	P	S
LE 052D 04															34.93	1.375	3.800	21.70	50.93	2.005	P	S
LE 052D 05															38.10	1.500	3.257	18.60	56.90	2.240	Q	T
LE 052D 06															44.45	1.750	2.539	14.50	68.58	2.700	Q	T
LE 052D 07	50.80	2.000	2.294	13.10	77.47	3.050	R	U														
LE 052D 08	57.15	2.250	1.786	10.20	91.44	3.600	R	U														
LE 052D 09	63.50	2.500	1.541	8.80	103.12	4.060	R	U														
LE 052D 10	69.85	2.750	1.366	7.80	114.55	4.510	R	U														
LE 052D 11	76.20	3.000	1.226	7.00	125.98	4.960	S	V														
LE 055D 0	1.40	0.055	77.84	17.50	8.90	2.00	25.40	1.000	9.772	55.80	32.51	1.280	N	R								
LE 055D 01							31.75	1.250	6.095	34.80	43.18	1.700	P	S								
LE 055D 02							34.93	1.375	5.219	29.80	48.13	1.895	P	S								
LE 055D 03							38.10	1.500	4.448	25.40	53.59	2.110	Q	T								
LE 055D 04							44.45	1.750	3.485	19.90	64.26	2.530	Q	T								
LE 055D 05							50.80	2.000	2.872	16.40	74.93	2.950	Q	T								
LE 055D 06							57.15	2.250	2.434	13.90	85.60	3.370	R	U								
LE 055D 07							63.50	2.500	2.084	11.90	96.52	3.800	R	U								
LE 055D 08							69.85	2.750	1.856	10.60	106.93	4.210	R	U								
LE 055D 09							76.20	3.000	1.664	9.50	117.60	4.630	S	V								
LE 055D 10							88.90	3.500	1.384	7.90	138.68	5.460	S	V								
LE 055D 11							101.60	4.000	1.191	6.80	159.51	6.280	T	W								
LE 055D 12							114.30	4.500	1.033	5.90	181.10	7.130	T	W								
LE 055D 13							127.00	5.000	0.928	5.30	201.17	7.920	U	X								
LE 055D 14							139.70	5.500	0.820	4.68	223.77	8.810	U	X								
LE 055D 15	152.40	6.000	0.741	4.23	245.36	9.660	V	Y														
LE 058D 01	1.47	0.058	88.96	20.00	11.12	2.50	25.40	1.000	12.452	71.10	31.75	1.250	N	R								
LE 058D 02							28.58	1.125	9.825	56.10	36.45	1.435	P	S								
LE 058D 03							31.75	1.250	7.776	44.40	41.66	1.640	P	S								
LE 058D 04							34.93	1.375	6.673	38.10	46.61	1.835	P	S								
LE 058D 05							38.10	1.500	5.832	33.30	51.56	2.030	Q	T								
LE 058D 06							44.45	1.750	4.553	26.00	61.47	2.420	Q	T								
LE 058D 07							50.80	2.000	3.818	21.80	71.12	2.800	Q	T								
LE 058D 08							57.15	2.250	3.222	18.40	81.28	3.200	R	U								
LE 058D 09							63.50	2.500	2.785	15.90	91.44	3.600	R	U								
LE 058D 10							69.85	2.750	2.487	14.20	101.09	3.980	R	U								
LE 058D 11							76.20	3.000	2.224	12.70	111.25	4.380	S	V								
LE 058D 12							88.90	3.500	1.851	10.57	130.96	5.156	S	V								
LE 058D 13							101.60	4.000	1.581	9.03	150.83	5.938	T	W								
LE 058D 14							114.30	4.500	1.380	7.88	170.71	6.721	T	W								
LE 058D 15							127.00	5.000	1.224	6.99	190.60	7.504	U	X								
LE 058D 16							139.70	5.500	1.100	6.28	210.49	8.287	U	X								
LE 058D 17							152.40	6.000	0.998	5.70	230.38	9.070	V	Y								
LEM090DB 01†	10.00	0.394	0.90	0.035	24.00	5.4	3.46	0.78	23.00	0.906	0.880	5.02	46.10	1.815	J	L						
LEM090DB 02†									28.40	1.118	0.550	3.14	65.30	2.571	K	M						
LEM090DB 03†									36.50	1.437	0.350	2.00	94.11	3.705	L	N						
LEM090DB 04†									50.00	1.969	0.230	1.31	142.19	5.598	M	P						
LEM090DB 05†									68.00	2.677	0.150	0.86	205.99	8.110	M	P						

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

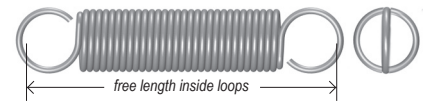
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LEM140DB 01†	10.00	0.394	1.40	0.055	83.60	18.79	12.66	2.85	26.90	1.059	6.140	35.06	38.51	1.516	N	R
LEM140DB 02†									35.30	1.390	3.830	21.87	53.80	2.118	P	S
LEM140DB 03†									47.90	1.886	2.460	14.05	76.81	3.024	Q	T
LEM140DB 04†									68.90	2.713	1.540	8.79	115.09	4.531	R	U
LEM140DB 05†									290.00	11.417	0.320	1.83	510.01	20.079	BD	BE
LEM200DB 01†	10.67	0.420	2.00	0.079	220.00	49.46	32.94	7.41	31.60	1.244	31.800	181.58	37.47	1.475	Q	T
LEM200DB 02†									43.60	1.717	19.900	113.63	52.98	2.086	Q	T
LEM200DB 03†									61.60	2.425	12.800	73.09	76.30	3.004	R	U
LE 037DD 01	10.67	0.420	0.94	0.037	21.48	4.83	2.22	0.50	25.40	1.000	1.541	8.80	37.90	1.492	L	N
LE 037DD 02									28.58	1.125	0.963	5.50	48.56	1.912	L	N
LE 037DD 03									31.75	1.250	0.683	3.90	59.94	2.360	L	N
LE 037DD 04									34.93	1.375	0.543	3.10	70.41	2.772	M	P
LE 037DD 05									38.10	1.500	0.438	2.50	82.09	3.232	M	P
LE 037DD 06									44.45	1.750	0.333	1.90	102.31	4.028	M	P
LE 037DD 07									50.80	2.000	0.263	1.50	124.10	4.886	N	Q
LE 037DD 08									57.15	2.250	0.210	1.20	148.79	5.858	N	Q
LE 037DD 09									63.50	2.500	0.175	1.00	173.38	6.826	N	Q
LE 037DD 10									69.85	2.750	0.158	0.90	191.95	7.557	P	R
LE 037DD 11									76.20	3.000	0.140	0.80	213.66	8.412	P	R
LE 045DD 01	10.67	0.420	1.14	0.045	39.14	8.80	4.00	0.90	25.40	1.000	3.116	17.79	36.68	1.444	M	P
LE 045DD 02									28.58	1.125	2.189	12.50	44.63	1.757	M	P
LE 045DD 03									31.75	1.250	1.687	9.63	52.58	2.070	M	P
LE 045DD 04									34.93	1.375	1.371	7.83	60.55	2.384	N	Q
LE 045DD 05									38.10	1.500	1.156	6.60	68.50	2.697	N	Q
LE 045DD 06									44.45	1.750	0.879	5.02	84.43	3.324	N	Q
LE 045DD 07									50.80	2.000	0.709	4.05	100.36	3.951	P	R
LE 045DD 08									57.15	2.250	0.595	3.40	116.18	4.574	P	R
LE 045DD 09									63.50	2.500	0.511	2.92	132.21	5.205	P	R
LE 045DD 10									69.85	2.750	0.450	2.57	147.93	5.824	Q	S
LE 045DD 11									76.20	3.000	0.401	2.29	163.83	6.450	Q	S
LE 055DD 01	10.67	0.420	1.40	0.055	71.66	16.11	6.23	1.40	25.40	1.000	9.913	56.60	32.00	1.260	N	R
LE 055DD 02									28.58	1.125	6.795	38.80	38.20	1.504	N	R
LE 055DD 03									31.75	1.250	5.079	29.00	44.63	1.757	P	S
LE 055DD 04									34.93	1.375	4.116	23.50	50.80	2.000	P	S
LE 055DD 05									38.10	1.500	3.415	19.50	57.25	2.254	Q	T
LE 055DD 06									44.45	1.750	2.574	14.70	69.88	2.751	Q	T
LE 055DD 07									50.80	2.000	2.067	11.80	82.47	3.247	Q	T
LE 055DD 08									57.15	2.250	1.716	9.80	95.28	3.751	R	U
LE 055DD 09									63.50	2.500	1.471	8.40	107.98	4.251	R	U
LE 055DD 10									69.85	2.750	1.296	7.40	120.35	4.738	R	U
LE 055DD 11									76.20	3.000	1.156	6.60	132.82	5.229	S	V
LEM100DE 01†	11.00	0.433	1.00	0.039	29.60	6.65	4.18	0.94	25.40	1.000	1.020	5.82	50.19	1.976	L	N
LEM100DE 02†									31.40	1.236	0.640	3.65	70.99	2.795	M	P
LEM100DE 03†									40.40	1.591	0.410	2.34	102.31	4.028	N	Q
LEM100DE 04†									55.40	2.181	0.260	1.48	154.41	6.079	P	R
LEM100DE 05†									75.40	2.969	0.170	0.97	224.41	8.835	Q	S
LEM160DE 01†	11.00	0.433	1.60	0.063	111.00	24.95	16.91	3.80	30.10	1.185	8.040	45.91	41.81	1.646	P	S
LEM160DE 02†									39.70	1.563	5.020	28.66	58.39	2.299	Q	T
LEM160DE 03†									54.10	2.130	3.220	18.39	83.39	3.283	R	U
LEM160DE 04†									78.10	3.075	2.010	11.48	124.89	4.917	S	V
LE 037DE 01	11.13	0.438	0.94	0.037	24.47	5.50	2.45	0.55	25.40	1.000	0.666	3.80	58.42	2.300	L	N
LE 037DE 02									28.58	1.125	0.525	3.00	70.49	2.775	M	P
LE 037DE 03									31.75	1.250	0.420	2.40	84.07	3.310	M	P
LE 037DE 04									34.93	1.375	0.350	2.00	97.92	3.855	M	P
LE 037DE 05									38.10	1.500	0.306	1.75	109.98	4.330	N	Q
LE 037DE 06									44.45	1.750	0.245	1.40	134.37	5.290	N	Q
LE 037DE 07									50.80	2.000	0.193	1.10	165.10	6.500	N	Q
LE 037DE 08									57.15	2.250	0.170	0.97	186.69	7.350	P	R
LE 037DE 09									63.50	2.500	0.149	0.85	211.33	8.320	P	R
LE 037DE 10									69.85	2.750	0.131	0.75	237.49	9.350	P	R
LE 037DE 11									76.20	3.000	0.116	0.66	266.70	10.500	Q	S

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

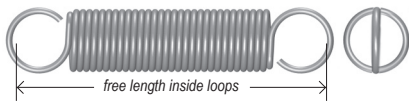


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 046DE 01	11.13	0.438	1.17	0.046	44.48	10.00	4.45	1.00	25.40	1.000	3.275	18.70	37.59	1.480	N	R
LE 046DE 02									28.58	1.125	2.312	13.20	45.85	1.805	P	S
LE 046DE 03									31.75	1.250	1.708	9.75	55.12	2.170	P	S
LE 046DE 04									34.93	1.375	1.401	8.00	63.63	2.505	P	S
LE 046DE 05									38.10	1.500	1.191	6.80	71.63	2.820	Q	T
LE 046DE 06									44.45	1.750	0.893	5.10	89.15	3.510	Q	T
LE 046DE 07									50.80	2.000	0.718	4.10	106.68	4.200	Q	T
LE 046DE 08									57.15	2.250	0.595	3.40	124.46	4.900	R	U
LE 046DE 09									63.50	2.500	0.508	2.90	142.24	5.600	R	U
LE 046DE 10									69.85	2.750	0.447	2.55	159.51	6.280	R	U
LE 046DE 11									76.20	3.000	0.394	2.25	177.80	7.000	S	V
LE 055DE 01	11.13	0.438	1.37	0.054	62.28	14.00	6.67	1.50	25.40	1.000	5.079	29.00	36.32	1.430	N	R
LE 055DE 02									28.58	1.125	3.940	22.50	43.18	1.700	P	S
LE 055DE 03									31.75	1.250	3.328	19.00	49.78	1.960	P	S
LE 055DE 04									34.93	1.375	2.802	16.00	56.26	2.215	P	S
LE 055DE 05									38.10	1.500	2.452	14.00	62.48	2.460	Q	T
LE 055DE 06									44.45	1.750	1.926	11.00	75.69	2.980	Q	T
LE 055DE 07									50.80	2.000	1.629	9.30	87.63	3.450	Q	T
LE 055DE 08									57.15	2.250	1.401	8.00	100.08	3.940	R	U
LE 055DE 09									63.50	2.500	1.191	6.80	114.05	4.490	R	U
LE 055DE 10									69.85	2.750	1.051	6.00	127.00	5.000	R	U
LE 055DE 11									76.20	3.000	0.946	5.40	139.70	5.500	S	V
LEM110DF 01†	12.00	0.472	1.10	0.043	35.80	8.05	5.26	1.18	27.80	1.094	1.150	6.57	54.20	2.134	M	Q
LEM110DF 02†									34.40	1.354	0.720	4.11	76.71	3.020	M	Q
LEM110DF 03†									44.30	1.744	0.460	2.63	110.39	4.346	N	R
LEM110DF 04†									60.80	2.394	0.280	1.60	166.80	6.567	P	S
LEM110DF 05†									82.80	3.260	0.200	1.14	241.81	9.520	Q	T
LEM180DF 01†	12.00	0.472	1.80	0.071	141.00	31.70	21.43	4.82	33.20	1.307	10.100	57.67	45.11	1.776	P	S
LEM180DF 02†									44.00	1.732	6.280	35.86	62.99	2.480	Q	T
LEM180DF 03†									60.20	2.370	4.020	22.95	89.89	3.539	R	U
LEM180DF 04†									87.20	3.433	2.520	14.39	134.80	5.307	S	V
LEM180DF 05†									290.00	11.417	0.680	3.88	465.00	18.307	BE	BF
LEM120E 01	12.50	0.492	1.20	0.047	39.20	8.82	3.91	0.88	30.00	1.181	2.074	11.84	47.02	1.851	M	Q
LEM120E 02									40.00	1.575	0.958	5.47	76.84	3.025	N	R
LEM120E 03									50.00	1.969	0.623	3.56	106.65	4.199	N	R
LEM120E 04									55.00	2.165	0.531	3.03	121.54	4.785	P	S
LEM120E 05									60.00	2.362	0.462	2.64	136.45	5.372	P	S
LEM120E 06									65.00	2.559	0.410	2.34	151.10	5.949	P	S
LEM120E 07									70.00	2.756	0.366	2.09	166.52	6.556	Q	T
LEM120E 08									80.00	3.150	0.305	1.74	195.83	7.710	Q	T
LEM120E 09									90.00	3.543	0.259	1.48	226.14	8.903	Q	T
LEM120E 10									100.00	3.937	0.228	1.30	255.19	10.047	R	U
LEM160E 01	12.50	0.492	1.60	0.063	88.25	19.84	11.79	2.65	30.00	1.181	8.543	48.78	38.89	1.531	P	S
LEM160E 02									35.00	1.378	5.657	32.30	48.46	1.908	P	S
LEM160E 03									40.00	1.575	4.228	24.14	58.04	2.285	Q	T
LEM160E 04									45.00	1.772	3.377	19.28	67.61	2.662	Q	T
LEM160E 05									50.00	1.969	2.809	16.04	77.19	3.039	Q	T
LEM160E 06									55.00	2.165	2.406	13.74	86.74	3.415	R	U
LEM160E 07									60.00	2.362	2.103	12.01	96.32	3.792	R	U
LEM160E 08									65.00	2.559	1.869	10.67	105.89	4.169	R	U
LEM160E 09									70.00	2.756	1.681	9.60	115.47	4.546	S	V
LEM160E 10									80.00	3.150	1.399	7.99	134.62	5.300	S	V
LEM160E 11									90.00	3.543	1.200	6.85	153.75	6.053	S	V
LEM160E 12									100.00	3.937	1.049	5.99	172.90	6.807	T	W
LEM160E 13									115.00	4.528	0.883	5.04	201.63	7.938	U	X
LE 034E 01	12.70	0.500	0.86	0.034	16.01	3.60	1.33	0.30	31.75	1.250	0.331	1.89	76.20	3.000	M	P
LE 034E 02									34.93	1.375	0.249	1.42	93.85	3.695	M	P
LE 034E 03									38.10	1.500	0.193	1.10	114.30	4.500	N	Q
LE 034E 04									44.45	1.750	0.138	0.79	150.62	5.930	N	Q
LE 034E 05									50.80	2.000	0.107	0.61	188.21	7.410	P	R
LE 034E 06									57.15	2.250	0.088	0.50	224.79	8.850	P	R

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

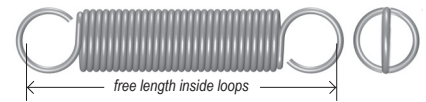
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 037E 01	12.70	0.500	0.94	0.037	19.13	4.30	1.78	0.40	31.75	1.250	0.525	3.00	64.77	2.550	M	P
LE 037E 02									34.93	1.375	0.385	2.20	79.88	3.145	M	P
LE 037E 03									38.10	1.500	0.298	1.70	96.27	3.790	N	Q
LE 037E 04									44.45	1.750	0.210	1.20	127.00	5.000	N	Q
LE 037E 05									50.80	2.000	0.158	0.90	160.78	6.330	P	R
LE 037E 06									57.15	2.250	0.135	0.77	185.67	7.310	P	R
LE 037E 07									63.50	2.500	0.123	0.70	205.03	8.072	P	S
LE 037E 08									69.85	2.750	0.105	0.60	234.90	9.248	Q	T
LE 037E 09									76.20	3.000	0.088	0.50	274.14	10.793	Q	T
LE 037E 10									88.90	3.500	0.070	0.40	335.94	13.226	Q	T
LE 037E 11									101.60	4.000	0.053	0.30	431.70	16.996	R	U
LE 037E 12									114.30	4.500	0.051	0.29	457.10	17.996	R	U
LE 037E 13									127.00	5.000	0.035	0.20	620.22	24.418	S	V
LE 041E 01	12.70	0.500	1.04	0.041	25.80	5.80	2.22	0.50	31.75	1.250	0.858	4.90	59.18	2.330	M	Q
LE 041E 02									34.93	1.375	0.648	3.70	71.25	2.805	M	Q
LE 041E 03									38.10	1.500	0.508	2.90	84.58	3.330	N	R
LE 041E 04									44.45	1.750	0.368	2.10	108.46	4.270	N	R
LE 041E 05									50.80	2.000	0.280	1.60	134.87	5.310	P	S
LE 041E 06									57.15	2.250	0.228	1.30	160.78	6.330	P	S
LE 041E 07									63.50	2.500	0.194	1.11	184.66	7.270	Q	T
LE 041E 08									69.85	2.750	0.168	0.96	210.06	8.270	Q	T
LE 041E 09									76.20	3.000	0.140	0.80	244.55	9.628	Q	T
LE 041E 10									88.90	3.500	0.123	0.70	281.20	11.071	Q	T
LE 041E 11									101.60	4.000	0.105	0.60	325.91	12.831	R	U
LE 041E 12									114.30	4.500	0.088	0.50	383.29	15.090	R	U
LE 041E 13									127.00	5.000	0.070	0.40	462.74	18.218	S	V
LE 045E 00	12.70	0.500	1.14	0.045	33.36	7.50	3.11	0.70	25.40	1.000	3.818	21.80	33.27	1.310	M	Q
LE 045E 0									31.75	1.250	1.349	7.70	54.10	2.130	M	Q
LE 045E 01									34.93	1.375	0.998	5.70	65.15	2.565	M	Q
LE 045E 02									38.10	1.500	0.823	4.70	74.93	2.950	N	R
LE 045E 03									44.45	1.750	0.595	3.40	95.25	3.750	N	R
LE 045E 04									50.80	2.000	0.455	2.60	117.35	4.620	P	S
LE 045E 05									57.15	2.250	0.368	2.10	139.45	5.490	P	S
LE 045E 06									63.50	2.500	0.315	1.80	159.51	6.280	P	S
LE 045E 07									69.85	2.750	0.271	1.55	181.36	7.140	Q	T
LE 045E 08									76.20	3.000	0.240	1.37	202.18	7.960	Q	T
LE 045E 09									88.90	3.500	0.193	1.10	245.85	9.679	Q	T
LE 045E 10									101.60	4.000	0.158	0.90	293.50	11.555	R	U
LE 045E 11									114.30	4.500	0.140	0.80	330.20	13.000	R	U
LE 045E 12	127.00	5.000	0.123	0.70	373.71	14.713	S	V								
LE 049E 01	12.70	0.500	1.24	0.049	44.48	10.00	3.91	0.88	31.75	1.250	2.067	11.80	51.31	2.020	M	Q
LE 049E 1A									34.93	1.375	1.550	8.85	61.11	2.406	N	R
LE 049E 02									38.10	1.500	1.271	7.26	70.10	2.760	N	R
LE 049E 03									44.45	1.750	0.918	5.24	88.65	3.490	N	R
LE 049E 04									50.80	2.000	0.701	4.00	108.71	4.280	P	S
LE 049E 05									57.15	2.250	0.578	3.30	127.25	5.010	P	S
LE 049E 06									63.50	2.500	0.490	2.80	146.30	5.760	P	S
LE 049E 07									69.85	2.750	0.420	2.40	166.37	6.550	Q	T
LE 049E 08									76.20	3.000	0.375	2.14	184.40	7.260	Q	T
LE 049E 09									88.90	3.500	0.306	1.75	221.23	8.710	Q	T
LE 049E 10									101.60	4.000	0.257	1.47	259.08	10.200	R	U
LE 049E 11									114.30	4.500	0.222	1.27	296.70	11.681	S	V
LE 049E 12									127.00	5.000	0.194	1.11	335.69	13.216	T	W
LE 055E 0	12.70	0.500	1.40	0.055	58.72	13.20	5.78	1.30	31.75	1.250	3.615	20.64	46.48	1.830	P	S
LE 055E 01									34.93	1.375	2.732	15.60	54.23	2.135	P	S
LE 055E 02									38.10	1.500	2.277	13.00	61.47	2.420	Q	T
LE 055E 03									44.45	1.750	1.646	9.40	76.71	3.020	Q	T
LE 055E 04									50.80	2.000	1.296	7.40	91.69	3.610	Q	T
LE 055E 05	57.15	2.250	1.068	6.10	106.68	4.200	R	U								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

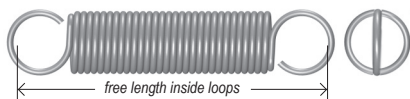


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 055E 06	12.70	0.500	1.40	0.055	58.72	13.20	5.78	1.30	63.50	2.500	0.911	5.20	121.67	4.790	R	U
LE 055E 07									69.85	2.750	0.788	4.50	136.91	5.390	R	U
LE 055E 08									76.20	3.000	0.683	3.90	153.67	6.050	S	V
LE 055E 09									88.90	3.500	0.560	3.20	183.39	7.220	S	V
LE 055E 10									101.60	4.000	0.473	2.70	213.61	8.410	T	W
LE 055E 11									114.30	4.500	0.403	2.30	245.62	9.670	U	X
LE 055E 12			127.00	5.000	0.363	2.07	273.05	10.750	U	X						
LE 063E 0			1.60	0.063	84.52	19.00	8.90	2.00	31.75	1.250	7.116	40.63	42.42	1.670	P	S
LE 063E 01									34.93	1.375	5.499	31.40	48.64	1.915	P	S
LE 063E 02									38.10	1.500	4.501	25.70	54.86	2.160	P	S
LE 063E 03									44.45	1.750	3.310	18.90	67.31	2.650	Q	T
LE 063E 04									50.80	2.000	2.609	14.90	79.76	3.140	Q	T
LE 063E 05	57.15	2.250							2.154	12.30	92.20	3.630	Q	T		
LE 063E 06	63.50	2.500			1.874	10.70	103.89	4.090	R	U						
LE 063E 07	69.85	2.750			1.594	9.10	117.35	4.620	R	U						
LE 063E 08	76.20	3.000			1.436	8.20	128.78	5.070	S	V						
LE 063E 09	88.90	3.500			1.173	6.70	153.42	6.040	S	V						
LE 063E 10	101.60	4.000			0.981	5.60	178.82	7.040	T	V						
LE 063E 11	114.30	4.500			0.841	4.80	204.22	8.040	U	X						
LE 063E 12	127.00	5.000	0.753	4.30	227.33	8.950	U	X								
LE 067E 01	1.70	0.067	106.85	24.02	15.57	3.50	31.75	1.250	9.687	55.31	41.15	1.620	P	S		
LE 067E 02							38.10	1.500	6.231	35.58	52.83	2.080	P	S		
LE 067E 03							44.45	1.750	4.594	26.23	64.26	2.530	Q	T		
LE 067E 04							50.80	2.000	3.638	20.77	75.95	2.990	Q	T		
LE 067E 05							57.15	2.250	3.011	17.19	87.38	3.440	R	U		
LE 067E 06							63.50	2.500	2.567	14.66	99.06	3.900	R	U		
LE 067E 07			69.85	2.750	2.238	12.78	110.74	4.360	S	V						
LE 067E 08			76.20	3.000	1.984	11.33	122.17	4.810	S	V						
LE 067E 09			88.90	3.500	1.616	9.23	145.29	5.720	T	W						
LE 067E 10			101.60	4.000	1.364	7.79	168.40	6.630	U	X						
LE 067E 11			114.30	4.500	1.180	6.74	191.52	7.540	V	Y						
LE 067E 12			127.00	5.000	1.040	5.94	214.63	8.450	W	Z						
LE 069E 01	1.75	0.069	113.43	25.50	17.79	4.00	31.75	1.250	11.230	64.12	40.26	1.585	Q	T		
LE 069E 1A							34.93	1.375	8.818	50.35	45.77	1.802	Q	T		
LE 069E 02							38.10	1.500	7.259	41.45	51.28	2.019	R	U		
LE 069E 03							44.45	1.750	5.363	30.62	62.28	2.452	R	U		
LE 069E 04							50.80	2.000	4.252	24.28	73.30	2.886	S	V		
LE 069E 05							57.15	2.250	3.522	20.11	84.30	3.319	S	V		
LE 069E 06			63.50	2.500	3.007	17.17	95.30	3.752	T	W						
LE 069E 07			69.85	2.750	2.622	14.97	106.32	4.186	T	W						
LE 069E 08			76.20	3.000	2.326	13.28	117.32	4.619	U	X						
LE 069E 09			88.90	3.500	1.895	10.82	139.37	5.487	V	Y						
LE 069E 10			101.60	4.000	1.601	9.14	161.34	6.352	W	Z						
LE 069E 11			114.30	4.500	1.384	7.90	183.44	7.222	X	BA						
LE 069E 12	127.00	5.000	1.221	6.97	205.36	8.085	X	BA								
LE 075E 01	1.91	0.075	155.69	35.00	22.24	5.00	31.75	1.250	17.096	97.62	39.62	1.560	R	U		
LE 075E 1A							34.93	1.375	13.534	77.28	44.78	1.763	R	U		
LE 075E 02							38.10	1.500	11.202	63.96	50.04	1.970	R	U		
LE 075E 03							44.45	1.750	8.329	47.56	60.45	2.380	S	V		
LE 075E 04							50.80	2.000	6.629	37.85	70.87	2.790	S	V		
LE 075E 05							57.15	2.250	5.506	31.44	81.28	3.200	T	W		
LE 075E 06			63.50	2.500	4.694	26.80	91.95	3.620	T	W						
LE 075E 07			69.85	2.750	4.112	23.48	102.36	4.030	U	X						
LE 075E 08			76.20	3.000	3.650	20.84	112.78	4.440	U	X						
LE 075E 09			88.90	3.500	2.981	17.02	133.60	5.260	V	Y						
LE 075E 10			101.60	4.000	2.518	14.38	154.69	6.090	W	Z						
LE 075E 11			114.30	4.500	2.180	12.45	175.51	6.910	X	BA						
LE 075E 12	127.00	5.000	1.921	10.97	196.34	7.730	Y	BB								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

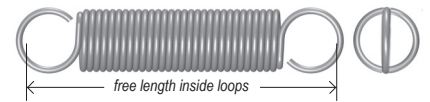
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LEM120EB 01†	13.00	0.512	1.20	0.047	42.20	9.49	6.56	1.48	30.20	1.189	1.280	7.31	58.09	2.287	M	Q						
LEM120EB 02†									37.40	1.472	0.800	4.57	82.09	3.232	N	R						
LEM120EB 03†									48.20	1.898	0.510	2.91	118.01	4.646	P	S						
LEM120EB 04†									66.20	2.606	0.320	1.83	178.21	7.016	P	S						
LEM120EB 05†									90.20	3.551	0.210	1.20	258.19	10.165	Q	T						
LEM200EC 01†	14.00	0.551	2.00	0.079	164.00	36.87	25.25	5.68	38.00	1.496	9.420	53.79	52.71	2.075	R	U						
LEM200EC 02†									50.00	1.969	5.880	33.58	73.61	2.898	S	V						
LEM200EC 03†									68.00	2.677	3.770	21.53	104.90	4.130	U	X						
LEM200EC 04†									98.00	3.858	2.350	13.42	157.00	6.181	W	Z						
LEM140ED 01†	15.00	0.591	1.40	0.055	57.10	12.84	8.50	1.91	34.90	1.374	1.550	8.85	66.09	2.602	N	R						
LEM140ED 02†									43.30	1.705	0.970	5.54	93.29	3.673	N	R						
LEM140ED 03†									55.90	2.201	0.620	3.54	134.01	5.276	P	S						
LEM140ED 04†									76.90	3.028	0.390	2.23	201.90	7.949	R	U						
LEM140ED 05†									105.00	4.134	0.260	1.48	292.00	11.496	T	W						
LE 055F 00	15.88	0.625	1.40	0.055	46.71	10.50	4.45	1.00	38.10	1.500	1.720	9.82	62.74	2.470	N	R						
LE 055F 0									44.45	1.750	1.074	6.13	83.82	3.300	N	R						
LE 055F 01									50.80	2.000	0.788	4.50	104.39	4.110	P	S						
LE 055F 02									57.15	2.250	0.613	3.50	125.98	4.960	P	S						
LE 055F 03									63.50	2.500	0.508	2.90	146.81	5.780	Q	T						
LE 055F 04									69.85	2.750	0.438	2.50	166.37	6.550	Q	T						
LE 055F 05									76.20	3.000	0.368	2.10	191.01	7.520	R	U						
LE 055F 06									88.90	3.500	0.298	1.70	230.89	9.090	S	V						
LE 055F 07									101.60	4.000	0.245	1.40	274.07	10.790	T	W						
LE 063F 01									1.60	0.063	66.72	15.00	6.67	1.50	50.80	2.000	1.559	8.90	89.41	3.520	R	U
LE 063F 02															57.15	2.250	1.173	6.70	108.20	4.260	R	U
LE 063F 03															63.50	2.500	1.016	5.80	122.68	4.830	S	V
LE 063F 04															69.85	2.750	0.858	4.90	139.95	5.510	S	V
LE 063F 05	76.20	3.000	0.753	4.30	155.96	6.140	T	W														
LE 063F 06	88.90	3.500	0.595	3.40	189.74	7.470	U	X														
LE 063F 07	101.60	4.000	0.508	2.90	219.96	8.660	V	Y														
LE 063F 08	114.30	4.500	0.420	2.40	257.30	10.130	W	Z														
LE 063F 09	127.00	5.000	0.373	2.13	288.04	11.340	X	BA														
LE 069F 01	1.75	0.069	84.52	19.00	8.90	2.00	50.80	2.000	2.469	14.10	81.53	3.210	R	U								
LE 069F 02							57.15	2.250	1.979	11.30	95.25	3.750	R	U								
LE 069F 03							63.50	2.500	1.646	9.40	109.47	4.310	S	V								
LE 069F 04							69.85	2.750	1.419	8.10	123.19	4.850	S	V								
LE 069F 05							76.20	3.000	1.243	7.10	136.91	5.390	T	W								
LE 069F 06							88.90	3.500	0.981	5.60	166.12	6.540	U	X								
LE 069F 07							101.60	4.000	0.806	4.60	195.58	7.700	V	Y								
LE 069F 08							114.30	4.500	0.701	4.00	222.25	8.750	W	Z								
LE 069F 09							127.00	5.000	0.608	3.47	251.46	9.900	X	BA								
LE 055FG 00	16.51	0.650	1.40	0.055	44.48	10.00	4.45	1.00	38.10	1.500	1.720	9.82	61.37	2.416	R	S						
LE 055FG 0									44.45	1.750	1.021	5.83	83.67	3.294	R	S						
LE 055FG 01									50.80	2.000	0.725	4.14	106.02	4.174	S	T						
LE 055FG 02									57.15	2.250	0.562	3.21	128.37	5.054	S	T						
LE 055FG 03									63.50	2.500	0.461	2.63	150.42	5.922	T	U						
LE 055FG 04									69.85	2.750	0.389	2.22	172.82	6.804	T	U						
LE 055FG 05									76.20	3.000	0.336	1.92	195.28	7.688	U	V						
LE 055FG 06									88.90	3.500	0.266	1.52	239.29	9.421	V	W						
LE 055FG 07									101.60	4.000	0.219	1.25	284.48	11.200	W	X						
LE 063FG 00									1.59	0.063	64.50	14.50	6.67	1.50	38.10	1.500	3.189	18.21	56.24	2.214	S	T
LE 063FG 0															44.45	1.750	1.939	11.07	74.27	2.924	S	T
LE 063FG 01															50.80	2.000	1.392	7.95	92.33	3.635	S	T
LE 063FG 02															57.15	2.250	1.086	6.20	110.41	4.347	T	U
LE 063FG 03	63.50	2.500	0.890	5.08	128.50	5.059	T	U														
LE 063FG 04	69.85	2.750	0.755	4.31	146.46	5.766	T	U														
LE 063FG 05	76.20	3.000	0.655	3.74	164.49	6.476	U	V														
LE 063FG 06	88.90	3.500	0.517	2.95	200.84	7.907	V	W														
LE 063FG 07	101.60	4.000	0.427	2.44	236.93	9.328	W	X														
LE 063FG 08	114.30	4.500	0.364	2.08	273.05	10.750	X	Y														
LE 063FG 09	127.00	5.000	0.317	1.81	309.42	12.182	Y	Z														

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

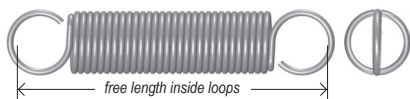


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 069FG 0	16.51	0.650	1.75	0.069	82.29	18.50	8.90	2.00	44.45	1.750	3.189	18.21	67.46	2.656	S	T
LE 069FG 01									50.80	2.000	2.310	13.19	82.58	3.251	S	T
LE 069FG 02									57.15	2.250	1.811	10.34	97.69	3.846	T	U
LE 069FG 03									63.50	2.500	1.489	8.50	112.80	4.441	T	U
LE 069FG 04									69.85	2.750	1.264	7.22	127.91	5.036	U	V
LE 069FG 05									76.20	3.000	1.099	6.27	143.00	5.630	U	V
LE 069FG 06									88.90	3.500	0.870	4.97	173.23	6.820	V	W
LE 069FG 07									101.60	4.000	0.721	4.12	203.45	8.010	W	X
LE 069FG 08									114.30	4.500	0.615	3.51	233.68	9.200	X	Y
LE 069FG 09	127.00	5.000	0.536	3.06	263.88	10.389	Y	Z								
LEM160FC 01†	17.00	0.669	1.60	0.063	74.00	16.64	11.62	2.61	39.70	1.563	1.820	10.39	73.99	2.913	R	V
LEM160FC 02†									49.30	1.941	1.140	6.51	104.09	4.098	R	V
LEM160FC 03†									63.70	2.508	0.730	4.17	149.30	5.878	S	W
LEM160FC 04†									87.70	3.453	0.460	2.63	224.69	8.846	T	Y
LEM160FC 05†									120.00	4.724	0.300	1.71	324.99	12.795	V	BA
LEM160G 01	19.00	0.748	1.60	0.063	56.90	12.79	5.38	1.21	50.00	1.969	1.224	6.99	92.18	3.629	R	V
LEM160G 02									55.00	2.165	0.944	5.39	109.60	4.315	R	V
LEM160G 03									60.00	2.362	0.767	4.38	127.05	5.002	S	W
LEM160G 04									65.00	2.559	0.648	3.70	144.50	5.689	S	W
LEM160G 05									70.00	2.756	0.559	3.19	162.20	6.386	S	W
LEM160G 06									80.00	3.150	0.440	2.51	197.10	7.760	T	Y
LEM160G 07									90.00	3.543	0.363	2.07	231.98	9.133	T	Y
LEM160G 08									100.00	3.937	0.308	1.76	267.13	10.517	U	Z
LEM160G 09									115.00	4.528	0.252	1.44	319.23	12.568	V	BA
LEM160G 10									130.00	5.118	0.212	1.21	373.08	14.688	W	BC
LEM160G 11									145.00	5.709	0.184	1.05	425.17	16.739	X	BD
LE 049G 01	19.05	0.750	1.24	0.049	29.36	6.60	2.62	0.59	50.80	2.000	0.403	2.30	117.09	4.610	R	V
LE 049G 02									57.15	2.250	0.263	1.50	159.00	6.260	R	V
LE 049G 03									63.50	2.500	0.210	1.20	190.75	7.510	R	V
LE 049G 04									69.85	2.750	0.158	0.90	239.52	9.430	S	X
LE 049G 05									76.20	3.000	0.140	0.80	266.95	10.510	S	X
LE 049G 06									82.55	3.250	0.123	0.70	300.74	11.840	T	Z
LE 049G 07									88.90	3.500	0.105	0.60	343.41	13.520	T	Z
LE 055G 01			1.40	0.055	39.14	8.80	3.56	0.80	50.80	2.000	0.595	3.40	110.49	4.350	R	V
LE 055G 02									57.15	2.250	0.438	2.50	138.43	5.450	R	V
LE 055G 03									63.50	2.500	0.350	2.00	165.10	6.500	R	V
LE 055G 04									69.85	2.750	0.280	1.60	196.85	7.750	S	X
LE 055G 05									76.20	3.000	0.245	1.40	221.23	8.710	S	X
LE 055G 06									88.90	3.500	0.175	1.00	292.10	11.500	T	Z
LE 063G 01			1.60	0.063	56.94	12.80	5.34	1.20	50.80	2.000	1.156	6.60	95.50	3.760	R	V
LE 063G 02	57.15	2.250							0.858	4.90	117.35	4.620	R	V		
LE 063G 03	63.50	2.500							0.666	3.80	140.97	5.550	S	W		
LE 063G 04	69.85	2.750							0.560	3.20	162.05	6.380	S	W		
LE 063G 05	76.20	3.000							0.473	2.70	185.42	7.300	T	Y		
LE 063G 06	88.90	3.500							0.368	2.10	229.11	9.020	T	Y		
LE 063G 07	101.60	4.000							0.298	1.70	274.83	10.820	U	Z		
LE 063G 08	114.30	4.500							0.245	1.40	324.87	12.790	V	BA		
LE 063G 09	127.00	5.000							0.210	1.20	372.62	14.670	W	BC		
LE 063G 10	139.70	5.500							0.193	1.10	407.67	16.050	X	BD		
LE 069G 01	1.75	0.069	73.40	16.50	7.12	1.60	50.80	2.000	1.795	10.25	87.63	3.450	S	W		
LE 069G 02							57.15	2.250	1.349	7.70	106.43	4.190	S	W		
LE 069G 03							63.50	2.500	1.077	6.15	124.97	4.920	T	X		
LE 069G 04							69.85	2.750	0.898	5.13	143.51	5.650	T	X		
LE 069G 05							76.20	3.000	0.755	4.31	164.08	6.460	U	Z		
LE 069G 06							88.90	3.500	0.590	3.37	201.17	7.920	U	Z		
LE 069G 07							101.60	4.000	0.478	2.73	240.28	9.460	V	BA		
LE 069G 08							114.30	4.500	0.406	2.32	277.37	10.920	W	BB		
LE 069G 09							127.00	5.000	0.350	2.00	316.23	12.450	X	BC		
LE 069G 10							139.70	5.500	0.310	1.77	353.57	13.920	Y	BD		

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

● Loops at Random Position, except for † springs

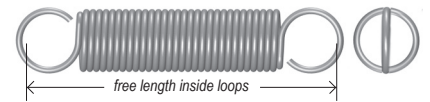
● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 075G 01	19.05	0.750	1.91	0.075	92.08	20.70	8.90	2.00	50.80	2.000	2.837	16.20	80.01	3.150	S	W
LE 075G 02									57.15	2.250	2.067	11.80	97.28	3.830	S	W
LE 075G 03									63.50	2.500	1.629	9.30	114.55	4.510	T	X
LE 075G 04									69.85	2.750	1.384	7.90	130.05	5.120	T	X
LE 075G 05									76.20	3.000	1.173	6.70	147.07	5.790	U	Z
LE 075G 06									88.90	3.500	0.911	5.20	180.34	7.100	V	BA
LE 075G 07									101.60	4.000	0.753	4.30	212.09	8.350	W	BB
LE 075G 08									114.30	4.500	0.630	3.60	246.13	9.690	X	BC
LE 075G 09									127.00	5.000	0.543	3.10	280.16	11.030	Y	BD
LE 075G 10									139.70	5.500	0.478	2.73	313.69	12.350	Z	BE
LE 075G 11									152.40	6.000	0.429	2.45	346.20	13.630	BA	BF
LE 085G 01	2.16	0.085	140.12	31.50	12.46	2.80	50.80	2.000	5.492	31.36	74.17	2.920	T	X		
LE 085G 02							57.15	2.250	4.060	23.18	88.65	3.490	T	X		
LE 085G 03							63.50	2.500	3.219	18.38	103.12	4.060	U	Z		
LE 085G 04							69.85	2.750	2.594	14.81	119.13	4.690	U	Z		
LE 085G 05							76.20	3.000	2.277	13.00	132.33	5.210	V	BA		
LE 085G 06							88.90	3.500	1.751	10.00	161.80	6.370	W	BB		
LE 085G 07							101.60	4.000	1.436	8.20	190.50	7.500	X	BC		
LE 085G 08							114.30	4.500	1.212	6.92	219.71	8.650	Y	BD		
LE 085G 09							127.00	5.000	1.061	6.06	247.40	9.740	Z	BE		
LE 093G 01	2.36	0.093	177.93	40.00	15.57	3.50	50.80	2.000	7.969	45.50	71.12	2.800	T	X		
LE 093G 02							57.15	2.250	6.165	35.20	83.57	3.290	T	X		
LE 093G 03							63.50	2.500	4.834	27.60	97.03	3.820	U	Z		
LE 093G 04							69.85	2.750	4.116	23.50	109.22	4.300	U	Z		
LE 093G 05							76.20	3.000	3.573	20.40	121.67	4.790	V	BA		
LE 093G 06							88.90	3.500	2.767	15.80	147.57	5.810	W	BB		
LE 093G 07							101.60	4.000	2.259	12.90	173.48	6.830	X	BC		
LE 093G 08							114.30	4.500	1.909	10.90	199.39	7.850	Y	BD		
LE 093G 09							127.00	5.000	1.681	9.60	223.52	8.800	Z	BE		
LE 093G 10							139.70	5.500	1.506	8.60	247.50	9.744	BA	BF		
LE 093G 11							152.40	6.000	1.349	7.70	272.80	10.740	BB	BG		
LE 105G 01	2.67	0.105	249.19	56.02	26.69	6.00	50.80	2.000	14.711	84.00	66.04	2.600	V	BB		
LE 105G 02							57.15	2.250	11.279	64.40	76.96	3.030	V	BB		
LE 105G 03							63.50	2.500	9.121	52.08	87.88	3.460	W	BC		
LE 105G 04							69.85	2.750	7.650	43.68	99.06	3.900	W	BD		
LE 105G 05							76.20	3.000	6.571	37.52	109.98	4.330	X	BE		
LE 105G 06							88.90	3.500	5.198	29.68	131.83	5.190	Y	BF		
LE 105G 07							101.60	4.000	4.217	24.08	154.43	6.080	Z	BG		
LE 105G 08							114.30	4.500	3.629	20.72	175.51	6.910	BA	BH		
LE 105G 09							127.00	5.000	3.138	17.92	197.87	7.790	BB	BJ		
LE 112G 01	2.84	0.112	306.93	69.00	35.59	8.00	50.80	2.000	20.436	116.69	64.01	2.520	X	BE		
LE 112G 02							57.15	2.250	15.732	89.83	74.42	2.930	X	BE		
LE 112G 03							63.50	2.500	12.788	73.02	84.84	3.340	Y	BF		
LE 112G 04							69.85	2.750	10.772	61.51	95.00	3.740	Y	BF		
LE 112G 05							76.20	3.000	9.305	53.13	105.41	4.150	Z	BG		
LE 112G 06							88.90	3.500	7.314	41.76	125.98	4.960	BA	BH		
LE 112G 07							101.60	4.000	6.025	34.40	146.56	5.770	BB	BJ		
LE 112G 08							114.30	4.500	5.121	29.24	167.39	6.590	BC	BK		
LE 112G 09							127.00	5.000	4.454	25.43	187.96	7.400	BD	BL		
LE 112G 10							139.70	5.500	3.940	22.50	208.56	8.211	BF	BN		
LE 112G 11							152.40	6.000	3.532	20.17	229.21	9.024	BG	BP		
LE 125G 01	3.18	0.125	387.00	87.00	84.52	19.00	50.80	2.000	35.965	205.36	59.21	2.331	BF	BH		
LE 125G 02							57.15	2.250	27.972	159.72	67.97	2.676	BF	BH		
LE 125G 03							63.50	2.500	22.886	130.68	76.71	3.020	BG	BJ		
LE 125G 04							69.85	2.750	19.366	110.58	85.47	3.365	BG	BJ		
LE 125G 05							76.20	3.000	16.783	95.83	94.23	3.710	BG	BJ		
LE 125G 06							88.90	3.500	13.251	75.66	111.73	4.399	BJ	BL		
LE 125G 07							101.60	4.000	10.946	62.50	129.24	5.088	BL	BN		
LE 125G 08							114.30	4.500	9.324	53.24	146.74	5.777	BM	BP		
LE 125G 09							127.00	5.000	8.121	46.37	164.24	6.466	BN	BQ		

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

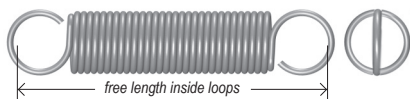


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LEM180GH 01†	20.00	0.787	1.80	0.071	87.00	19.56	13.05	2.93	46.00	1.811	1.780	10.16	87.91	3.461	S	W
LEM180GH 02†									56.80	2.236	1.110	6.34	123.80	4.874	S	W
LEM180GH 03†									73.00	2.874	0.710	4.05	178.00	7.008	U	Z
LEM180GH 04†									100.00	3.937	0.440	2.51	267.00	10.512	W	BB
LEM180GH 05†									136.00	5.354	0.290	1.66	386.99	15.236	Z	BE
LE 055H 01	21.59	0.850	1.40	0.055	34.70	7.80	3.11	0.70	50.80	2.000	0.560	3.20	107.19	4.220	T	X
LE 055H 02									57.15	2.250	0.368	2.10	143.00	5.630	T	X
LE 055H 03									63.50	2.500	0.280	1.60	176.28	6.940	U	Z
LE 055H 04									69.85	2.750	0.210	1.20	220.22	8.670	U	Z
LE 063H 01	21.59	0.850	1.60	0.063	50.26	11.30	4.45	1.00	57.15	2.250	0.683	3.90	124.21	4.890	T	X
LE 063H 02									63.50	2.500	0.508	2.90	153.67	6.050	T	X
LE 063H 03									69.85	2.750	0.403	2.30	183.64	7.230	U	Z
LE 063H 04									76.20	3.000	0.333	1.90	213.87	8.420	W	BA
LE 063H 05									88.90	3.500	0.245	1.40	275.84	10.860	X	BB
LE 075H 01	21.59	0.850	1.91	0.075	81.85	18.40	7.56	1.70	57.15	2.250	1.699	9.70	100.84	3.970	T	Y
LE 075H 02									63.50	2.500	1.313	7.50	120.14	4.730	T	Y
LE 075H 03									69.85	2.750	1.051	6.00	140.46	5.530	U	Z
LE 075H 04									76.20	3.000	0.876	5.00	161.04	6.340	V	BA
LE 075H 05									88.90	3.500	0.666	3.80	200.41	7.890	W	BB
LE 075H 06									101.60	4.000	0.525	3.00	243.08	9.570	X	BC
LE 075H 07									114.30	4.500	0.438	2.50	283.97	11.180	Y	BD
LE 075H 08									120.65	4.750	0.403	2.30	305.05	12.010	Z	BE
LE 075H 09									127.00	5.000	0.385	2.20	319.79	12.590	BA	BF
LE 085H 0									21.59	0.850	2.16	0.085	115.21	25.90	10.68	2.40
LE 085H 01	57.15	2.250	3.363	19.20	88.14	3.470	T	Y								
LE 085H 02	63.50	2.500	2.452	14.00	106.17	4.180	T	Y								
LE 085H 03	69.85	2.750	1.944	11.10	123.70	4.870	U	Z								
LE 085H 04	76.20	3.000	1.664	9.50	138.94	5.470	V	BA								
LE 085H 05	88.90	3.500	1.278	7.30	170.69	6.720	W	BB								
LE 085H 06	101.60	4.000	1.016	5.80	204.47	8.050	X	BC								
LE 085H 07	114.30	4.500	0.858	4.90	236.22	9.300	Y	BD								
LE 085H 08	120.65	4.750	0.788	4.50	253.24	9.970	Z	BE								
LE 085H 09	127.00	5.000	0.718	4.10	272.54	10.730	BA	BF								
LE 085H 10	139.70	5.500	0.630	3.60	305.56	12.030	BB	BG								
LE 085H 11	152.40	6.000	0.569	3.25	336.04	13.230	BC	BH								
LEM200HB 01†	22.00	0.866	2.00	0.079	107.00	24.05	16.11	3.62	50.80	2.000	2.030	11.59	95.50	3.760	S	X
LEM200HB 02†									62.80	2.472	1.270	7.25	134.29	5.287	T	Y
LEM200HB 03†									80.80	3.181	0.810	4.63	192.81	7.591	W	BB
LEM200HB 04†									111.00	4.370	0.510	2.91	289.99	11.417	Y	BD
LEM200HB 05†									151.00	5.945	0.340	1.94	419.00	16.496	BC	BH
LE 063J 01	25.40	1.000	1.60	0.063	43.15	9.70	4.00	0.90	63.50	2.500	0.455	2.60	149.35	5.880	Y	BC
LE 063J 02									69.85	2.750	0.333	1.90	187.45	7.380	Y	BC
LE 063J 03									76.20	3.000	0.263	1.50	225.30	8.870	Z	BD
LE 063J 04									82.55	3.250	0.210	1.20	268.73	10.580	Z	BD
LE 075J 01	25.40	1.000	1.91	0.075	69.84	15.70	6.23	1.40	63.50	2.500	1.103	6.30	121.16	4.770	Y	BE
LE 075J 02									69.85	2.750	0.806	4.60	148.84	5.860	Y	BE
LE 075J 03									76.20	3.000	0.630	3.60	177.04	6.970	Z	BF
LE 075J 04									88.90	3.500	0.455	2.60	228.60	9.000	Z	BF
LE 075J 05									101.60	4.000	0.350	2.00	283.21	11.150	BA	BG
LE 075J 06									114.30	4.500	0.298	1.70	327.91	12.910	BB	BG
LE 075J 07									127.00	5.000	0.245	1.40	386.33	15.210	BC	BJ
LE 085J 0	25.40	1.000	2.16	0.085	99.20	22.30	8.90	2.00	63.50	2.500	2.016	11.51	108.31	4.264	Y	BE
LE 085J 01									69.85	2.750	1.489	8.50	130.56	5.140	Y	BE
LE 085J 02									76.20	3.000	1.191	6.80	152.15	5.990	Z	BF
LE 085J 03									88.90	3.500	0.876	5.00	192.02	7.560	Z	BF
LE 085J 04									101.60	4.000	0.683	3.90	233.93	9.210	BA	BG
LE 085J 05									114.30	4.500	0.560	3.20	275.34	10.840	BB	BH
LE 085J 06	127.00	5.000	0.473	2.70	318.01	12.520	BC	BJ								
LE 095J 0	25.40	1.000	2.41	0.095	133.45	30.00	12.01	2.70	63.50	2.500	4.221	24.10	92.28	3.633	Y	BD
LE 095J 01									69.85	2.750	2.627	15.00	116.08	4.570	Y	BE
LE 095J 02									76.20	3.000	2.137	12.20	133.10	5.240	Z	BF

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

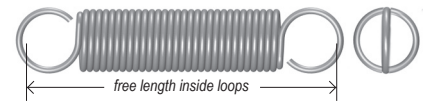
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP									
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S								
LE 095J 03	25.40	1.000	2.41	0.095	133.45	30.00	12.01	2.70	88.90	3.500	1.524	8.70	168.66	6.640	Z	BF								
LE 095J 04									101.60	4.000	1.208	6.90	202.18	7.960	BA	BG								
LE 095J 05									114.30	4.500	0.981	5.60	238.25	9.380	BB	BH								
LE 095J 06									127.00	5.000	0.841	4.80	271.53	10.690	BC	BJ								
LE 095J 07									139.70	5.500	0.722	4.12	308.10	12.130	BD	BK								
LE 095J 08									152.40	6.000	0.641	3.66	341.88	13.460	BE	BL								
LE 095J 09									165.10	6.500	0.573	3.27	377.19	14.850	BF	BM								
LE 095J 10									177.80	7.000	0.518	2.96	411.99	16.220	BG	BN								
LE 095J 11									203.20	8.000	0.420	2.40	492.07	19.373	BH	BN								
LE 095J 12									228.60	9.000	0.368	2.10	558.80	22.000	BJ	BP								
LE 105J 0									25.40	1.000	2.67	0.105	177.93	40.00	17.79	4.00	63.50	2.500	6.830	39.00	86.94	3.423	Z	BE
LE 105J 01																	69.85	2.750	4.063	23.20	109.22	4.300	Z	BE
LE 105J 02	76.20	3.000	3.415	19.50	123.19	4.850	BA	BF																
LE 105J 03	88.90	3.500	2.434	13.90	154.69	6.090	BB	BG																
LE 105J 04	101.60	4.000	1.944	11.10	183.90	7.240	BC	BH																
LE 105J 05	114.30	4.500	1.580	9.02	215.65	8.490	BD	BJ																
LE 105J 06	127.00	5.000	1.354	7.73	245.36	9.660	BE	BK																
LE 105J 07	139.70	5.500	1.168	6.67	276.86	10.900	BF	BL																
LE 105J 08	152.40	6.000	1.028	5.87	308.10	12.130	BG	BM																
LE 105J 09	165.10	6.500	0.930	5.31	337.31	13.280	BH	BP																
LE 105J 10	177.80	7.000	0.842	4.81	367.79	14.480	BJ	BQ																
LE 105J 11	203.20	8.000	0.736	4.20	420.90	16.571	BL	BQ																
LE 105J 12	228.60	9.000	0.630	3.60	482.60	19.000	BK	BR																
LE 115J 0	25.40	1.000	2.92	0.115	222.41	50.00	22.24	5.00	63.50	2.500	10.578	60.40	82.42	3.245	Z	BE								
LE 115J 01									69.85	2.750	6.690	38.20	99.82	3.930	BA	BF								
LE 115J 02									76.20	3.000	5.289	30.20	114.05	4.490	BA	BF								
LE 115J 03									88.90	3.500	3.976	22.70	139.19	5.480	BB	BG								
LE 115J 04									101.60	4.000	3.100	17.70	166.12	6.540	BC	BH								
LE 115J 05									114.30	4.500	2.539	14.50	193.04	7.600	BD	BJ								
LE 115J 06									127.00	5.000	2.189	12.50	218.44	8.600	BE	BK								
LE 115J 07									139.70	5.500	1.891	10.80	245.62	9.670	BF	BL								
LE 115J 08									152.40	6.000	1.664	9.50	272.80	10.740	BG	BM								
LE 115J 09									165.10	6.500	1.506	8.60	297.94	11.730	BH	BQ								
LE 115J 10									177.80	7.000	1.366	7.80	324.36	12.770	BJ	BS								
LE 115J 11									203.20	8.000	1.173	6.70	373.79	14.716	BM	BS								
LE 115J 12	228.60	9.000	1.016	5.80	425.68	16.759	BN	BT																
LE 125J 0	25.40	1.000	3.18	0.125	311.38	70.00	31.14	7.00	63.50	2.500	15.289	87.30	81.84	3.222	BB	BF								
LE 125J 01									69.85	2.750	10.194	58.21	97.28	3.830	BC	BJ								
LE 125J 02									76.20	3.000	8.340	47.62	109.73	4.320	BD	BK								
LE 125J 03									88.90	3.500	6.116	34.92	134.62	5.300	BE	BL								
LE 125J 04									101.60	4.000	4.828	27.57	159.77	6.290	BF	BM								
LE 125J 05									114.30	4.500	3.990	22.78	184.66	7.270	BG	BN								
LE 125J 06									127.00	5.000	3.398	19.40	209.55	8.250	BH	BP								
LE 125J 07									139.70	5.500	2.960	16.90	234.44	9.230	BJ	BQ								
LE 125J 08									152.40	6.000	2.622	14.97	259.33	10.210	BK	BR								
LE 125J 09									165.10	6.500	2.417	13.80	281.05	11.065	BK	BQ								
LE 125J 10									177.80	7.000	2.189	12.50	305.82	12.040	BL	BR								
LE 125J 11									203.20	8.000	1.839	10.50	355.60	14.000	BM	BS								
LE 125J 12	228.60	9.000	1.576	9.00	406.40	16.000	BN	BT																
LE 135J 0	25.40	1.000	3.43	0.135	378.10	85.00	40.03	9.00	63.50	2.500	23.496	134.16	77.90	3.067	BE	BL								
LE 135J 01									69.85	2.750	15.102	86.23	92.20	3.630	BE	BL								
LE 135J 02									76.20	3.000	12.413	70.88	103.38	4.070	BF	BM								
LE 135J 03									88.90	3.500	9.156	52.28	125.73	4.950	BG	BN								
LE 135J 04									101.60	4.000	7.252	41.41	148.34	5.840	BH	BP								
LE 135J 05									114.30	4.500	6.004	34.28	170.69	6.720	BJ	BQ								
LE 135J 06									127.00	5.000	5.123	29.25	193.04	7.600	BK	BR								
LE 135J 07									139.70	5.500	4.466	25.50	215.39	8.480	BL	BS								
LE 135J 08									152.40	6.000	3.960	22.61	237.74	9.360	BM	BT								
LE 135J 09									165.10	6.500	3.643	20.80	257.91	10.154	BN	BR								
LE 135J 10	177.80	7.000	3.310	18.90	279.93	11.021	BP	BS																

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS

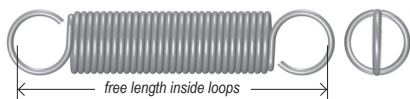


● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP			
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S		
LE 135J 11	25.40	1.000	3.43	0.135	378.10	85.00	40.03	9.00	203.20	8.000	2.785	15.90	324.61	12.780	BQ	BT		
LE 135J 12									228.60	9.000	2.399	13.70	369.49	14.547	BR	BU		
LE 148J 01			25.40	1.000	3.76	0.148	498.42	112.05	43.06	9.68	63.50	2.500	35.517	202.80	76.20	3.000	BF	BL
LE 148J 02											69.85	2.750	27.899	159.30	86.18	3.393	BG	BM
LE 148J 03					76.20	3.000	21.699	123.90	97.18	3.826	BH	BN						
LE 148J 04					88.90	3.500	16.270	92.90	116.89	4.602	BJ	BP						
LE 148J 05					101.60	4.000	12.592	71.90	137.77	5.424	BK	BQ						
LE 148J 06					114.30	4.500	10.280	58.70	158.60	6.244	BL	BR						
LE 148J 07					127.00	5.000	8.687	49.60	179.43	7.064	BM	BS						
LE 148J 08					139.70	5.500	7.653	43.70	199.21	7.843	BN	BT						
LE 148J 09					152.40	6.000	6.743	38.50	219.94	8.659	BP	BU						
LE 148J 10					165.10	6.500	6.007	34.30	240.92	9.485	BQ	BV						
LE 148J 11					177.80	7.000	5.429	31.00	261.67	10.302	BR	BW						
LE 148J 12	203.20	8.000			4.588	26.20	302.44	11.907	BS	BX								
LE 148J 13	228.60	9.000	3.940	22.50	344.17	13.550	BT	BY										
LE 085JK 01	28.58	1.125	2.16	0.085	93.41	21.00	8.41	1.89	76.20	3.000	1.226	7.00	145.54	5.730	BA	BF		
LE 085JK 02									88.90	3.500	0.753	4.30	201.68	7.940	BB	BG		
LE 085JK 03									101.60	4.000	0.543	3.10	258.06	10.160	BC	BH		
LE 085JK 04									114.30	4.500	0.438	2.50	308.36	12.140	BD	BJ		
LE 085JK 05									127.00	5.000	0.350	2.00	369.82	14.560	BE	BK		
LE 085JK 06									139.70	5.500	0.298	1.70	425.20	16.740	BF	BL		
LE 085JK 07									152.40	6.000	0.263	1.50	476.00	18.740	BG	BM		
LE 085JK 08									165.10	6.500	0.228	1.30	538.48	21.200	BH	BN		
LE 085JK 09									177.80	7.000	0.210	1.20	582.42	22.930	BJ	BQ		
LE 105JK 01	28.58	1.125	2.67	0.105	168.14	37.80	15.12	3.40	76.20	3.000	3.433	19.60	120.90	4.760	BA	BF		
LE 105JK 02									88.90	3.500	2.189	12.50	158.75	6.250	BB	BG		
LE 105JK 03									101.60	4.000	1.611	9.20	196.60	7.740	BC	BH		
LE 105JK 04									114.30	4.500	1.278	7.30	233.93	9.210	BD	BJ		
LE 105JK 05									127.00	5.000	1.051	6.00	272.54	10.730	BE	BK		
LE 105JK 06									139.70	5.500	0.893	5.10	311.15	12.250	BF	BL		
LE 105JK 07									152.40	6.000	0.788	4.50	346.46	13.640	BG	BM		
LE 105JK 08									165.10	6.500	0.683	3.90	389.13	15.320	BH	BN		
LE 105JK 09									177.80	7.000	0.613	3.50	427.48	16.830	BJ	BQ		
LE 125JK 01	28.58	1.125	3.18	0.125	265.11	59.60	24.51	5.51	76.20	3.000	8.091	46.20	105.94	4.171	BD	BJ		
LE 125JK 02									88.90	3.500	5.307	30.30	134.24	5.285	BE	BK		
LE 125JK 03									101.60	4.000	3.940	22.50	162.66	6.404	BF	BL		
LE 125JK 04									114.30	4.500	3.135	17.90	191.06	7.522	BG	BM		
LE 125JK 05									127.00	5.000	2.609	14.90	219.20	8.630	BH	BN		
LE 125JK 06									139.70	5.500	2.224	12.70	247.88	9.759	BJ	BP		
LE 125JK 07									152.40	6.000	1.944	11.10	276.17	10.873	BK	BQ		
LE 125JK 08									165.10	6.500	1.734	9.90	303.89	11.964	BL	BR		
LE 125JK 09									177.80	7.000	1.559	8.90	332.16	13.077	BM	BS		
LE 095K 01	31.75	1.250	2.41	0.095	115.65	26.00	10.45	2.35	82.55	3.250	1.275	7.28	165.10	6.500	BB	BH		
LE 095K 02									88.90	3.500	1.026	5.86	191.52	7.540	BB	BH		
LE 095K 03									101.60	4.000	0.739	4.22	243.84	9.600	BC	BJ		
LE 095K 04									114.30	4.500	0.578	3.30	296.42	11.670	BD	BK		
LE 095K 05									127.00	5.000	0.475	2.71	348.74	13.730	BE	BL		
LE 095K 06									139.70	5.500	0.403	2.30	400.81	15.780	BF	BM		
LE 095K 07									152.40	6.000	0.349	1.99	454.15	17.880	BG	BN		
LE 095K 08									165.10	6.500	0.308	1.76	506.48	19.940	BH	BP		
LE 095K 09									177.80	7.000	0.275	1.57	560.32	22.060	BJ	BQ		
LE 095K 10									190.50	7.500	0.250	1.43	610.62	24.040	BK	BR		
LE 115K 01	31.75	1.250	2.92	0.115	200.17	45.00	18.90	4.25	82.55	3.250	3.163	18.06	139.95	5.510	BF	BK		
LE 115K 02									88.90	3.500	2.574	14.70	159.26	6.270	BF	BK		
LE 115K 03									101.60	4.000	1.877	10.72	198.12	7.800	BG	BL		
LE 115K 04									114.30	4.500	1.476	8.43	236.98	9.330	BH	BM		
LE 115K 05									127.00	5.000	1.217	6.95	275.84	10.860	BJ	BN		
LE 115K 06									139.70	5.500	1.035	5.91	314.96	12.400	BK	BP		
LE 115K 07									152.40	6.000	0.900	5.14	353.82	13.930	BK	BQ		
LE 115K 08									165.10	6.500	0.797	4.55	392.68	15.460	BL	BR		

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



# EXTENSION SPRINGS

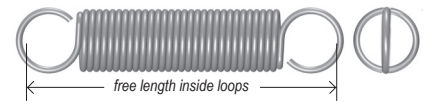
● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP							
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S						
LE 115K 09	31.75	1.250	2.92	0.115	200.17	45.00	18.90	4.25	177.80	7.000	0.715	4.08	431.55	16.990	BM	BS						
LE 115K 10									190.50	7.500	0.648	3.70	470.15	18.510	BN	BT						
LE 135K 01			3.43	0.135	289.13	65.00	27.58	6.20	82.55	3.250	7.093	40.50	119.38	4.700	BJ	BL						
LE 135K 02									88.90	3.500	6.025	34.40	132.33	5.210	BJ	BL						
LE 135K 03									101.60	4.000	4.466	25.50	160.27	6.310	BK	BM						
LE 135K 04									114.30	4.500	3.450	19.70	189.99	7.480	BK	BM						
LE 135K 05									127.00	5.000	2.872	16.40	218.19	8.590	BL	BP						
LE 135K 06									139.70	5.500	2.382	13.60	249.43	9.820	BL	BP						
LE 135K 07									152.40	6.000	2.084	11.90	277.88	10.940	BM	BR						
LE 135K 08									165.10	6.500	1.856	10.60	306.07	12.050	BM	BR						
LE 135K 09									177.80	7.000	1.664	9.50	335.03	13.190	BN	BS						
LE 135K 10									190.50	7.500	1.506	8.60	364.24	14.340	BP	BT						
LE 148K 01			3.76	0.148	384.77	86.50	35.59	8.00	82.55	3.250	11.187	63.88	113.77	4.479	BK	BP						
LE 148K 02									88.90	3.500	9.251	52.82	126.64	4.986	BK	BP						
LE 148K 03									101.60	4.000	6.872	39.24	152.43	6.001	BL	BQ						
LE 148K 04									114.30	4.500	5.466	31.21	178.18	7.015	BL	BQ						
LE 148K 05									127.00	5.000	4.538	25.91	203.96	8.030	BM	BR						
LE 148K 06									139.70	5.500	3.879	22.15	229.72	9.044	BM	BR						
LE 148K 07									152.40	6.000	3.387	19.34	255.50	10.059	BN	BS						
LE 148K 08									165.10	6.500	3.005	17.16	281.31	11.075	BN	BS						
LE 148K 09	177.80	7.000							2.702	15.43	307.01	12.087	BP	BT								
LE 148K 10	190.50	7.500							2.454	14.01	332.82	13.103	BQ	BU								
LE 125L 01	38.10	1.500	3.18	0.125	200.17	45.00	18.68	4.20	114.30	4.500	1.576	9.00	229.36	9.030	BJ	BN						
LE 125L 02									127.00	5.000	1.243	7.10	273.05	10.750	BK	BP						
LE 125L 03									139.70	5.500	1.028	5.87	316.23	12.450	BL	BQ						
LE 125L 04									152.40	6.000	0.876	5.00	359.66	14.160	BM	BR						
LE 125L 05									165.10	6.500	0.762	4.35	403.35	15.880	BN	BS						
LE 125L 06									177.80	7.000	0.676	3.86	446.28	17.570	BP	BT						
LE 125L 07									190.50	7.500	0.606	3.46	489.97	19.290	BQ	BU						
LE 125L 08									203.20	8.000	0.550	3.14	533.15	20.990	BR	BV						
LE 148L 01									3.76	0.148	314.18	70.63	29.80	6.70	114.30	4.500	4.256	24.30	181.13	7.131	BP	BS
LE 148L 02															127.00	5.000	3.275	18.70	213.84	8.419	BQ	BT
LE 148L 03	139.70	5.500	2.680	15.30	245.82	9.678	BR	BU														
LE 148L 04	152.40	6.000	2.259	12.90	278.28	10.956	BS	BV														
LE 148L 05	165.10	6.500	1.961	11.20	310.08	12.208	BT	BW														
LE 148L 06	177.80	7.000	1.716	9.80	343.48	13.523	BU	BX														
LE 148L 07	190.50	7.500	1.541	8.80	375.03	14.765	BV	BY														
LE 148L 08	203.20	8.000	1.384	7.90	408.74	16.092	BW	BZ														
LE 177L 01	4.50	0.177	538.06	120.96	48.80	10.97	114.30	4.500							10.490	59.90	160.93	6.336	BQ	BW		
LE 177L 02							127.00	5.000							8.214	46.90	186.56	7.345	BR	BX		
LE 177L 03							139.70	5.500	6.743	38.50	212.27	8.357	BS	BY								
LE 177L 04							152.40	6.000	5.727	32.70	237.85	9.364	BT	BZ								
LE 177L 05							165.10	6.500	4.974	28.40	263.47	10.373	BU	CA								
LE 177L 06							177.80	7.000	4.396	25.10	289.10	11.382	BV	CB								
LE 177L 07							190.50	7.500	3.940	22.50	314.66	12.388	BW	CC								
LE 177L 08							203.20	8.000	3.555	20.30	340.82	13.418	BX	CD								
LE 148N 01							44.45	1.750	3.76	0.148	286.15	64.33	25.76	5.79	127.00	5.000	2.627	15.00	226.14	8.903	BR	BX
LE 148N 02															139.70	5.500	2.014	11.50	268.99	10.590	BS	BY
LE 148N 03	152.40	6.000	1.646	9.40	310.59	12.228									BT	BZ						
LE 148N 04	165.10	6.500	1.384	7.90	353.31	13.910									BU	CA						
LE 148N 05	177.80	7.000	1.191	6.80	396.47	15.609									BV	CB						
LE 148N 06	190.50	7.500	1.051	6.00	438.30	17.256									BW	CC						
LE 148N 07	203.20	8.000	0.928	5.30	483.74	19.045									BX	CD						
LE 148N 08	228.60	9.000	0.771	4.40	566.52	22.304									BY	CE						
LE 177N 01	4.50	0.177	469.33	105.51	42.26	9.50									127.00	5.000	6.410	36.60	193.62	7.623	BS	BY
LE 177N 02															139.70	5.500	4.991	28.50	225.27	8.869	BT	BZ
LE 177N 03							152.40	6.000	4.081	23.30	257.07	10.121	BU	CA								
LE 177N 04							165.10	6.500	3.450	19.70	288.90	11.374	BV	CB								
LE 177N 05							177.80	7.000	2.995	17.10	320.42	12.615	BW	CC								
LE 177N 06							190.50	7.500	2.645	15.10	351.99	13.858	BX	CD								

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

# EXTENSION SPRINGS



● Loops at Random Position, except for † springs

● Music Wire (Plated), or Stainless Steel (Passivated)

LEE STOCK NUMBER	OUTSIDE DIAMETER		NOMINAL WIRE DIAMETER		MAXIMUM LOAD		INITIAL TENSION		NOMINAL FREE LENGTH		SPRING RATE		MAXIMUM EXTENDED LENGTH		PRICE GROUP	
	MM	IN	MM	IN	N	LB	N	LB	MM	IN	N/MM	LB/IN	MM	IN	M	S
LE 177N 07 LE 177N 08	44.45	1.750	4.50	0.177	469.33	105.51	42.26	9.50	203.20	8.000	2.364	13.50	383.84	15.112	BY	CE
LE 207N 01 LE 207N 02 LE 207N 03			5.26	0.207	723.06	162.55	64.90	14.59	127.00	5.000	14.046	80.20	173.86	6.845	BT	BZ
LE 207N 04 LE 207N 05 LE 207N 06			139.70	5.500	11.068	63.20	199.16	7.841	BU	CA						
LE 207N 07 LE 207N 08			152.40	6.000	9.124	52.10	224.54	8.840	BV	CB						
			165.10	6.500	7.758	44.30	249.94	9.840	BW	CC						
			177.80	7.000	6.760	38.60	275.16	10.833	BX	CD						
			190.50	7.500	5.990	34.20	300.38	11.826	BY	CE						
			203.20	8.000	5.359	30.60	326.01	12.835	BZ	CF						
LE 177P 01 LE 177P 02 LE 177P 03	50.80	2.000	4.50	0.177	413.46	92.95	37.23	8.37	228.60	9.000	4.448	25.40	376.56	14.825	CA	CG
LE 177P 04 LE 177P 05 LE 177P 06			139.70	5.500	4.238	24.20	228.47	8.995	BV	CA						
LE 177P 07 LE 177P 08			152.40	6.000	3.275	18.70	267.28	10.523	BV	CB						
			165.10	6.500	2.680	15.30	305.51	12.028	BW	CC						
			177.80	7.000	2.259	12.90	344.35	13.557	BX	CD						
			190.50	7.500	1.944	11.10	384.05	15.120	BY	CE						
			203.20	8.000	1.716	9.80	422.43	16.631	BZ	CF						
			228.60	9.000	1.384	7.90	500.53	19.706	CA	CG						
LE 207P 01 LE 207P 02 LE 207P 03			5.26	0.207	636.63	143.12	57.29	12.88	254.00	10.000	1.156	6.60	579.50	22.815	CB	CH
LE 207P 04 LE 207P 05 LE 207P 06																
LE 207P 07 LE 207P 08																

† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.