

EXTENSION SPRINGS

Guide to using tables

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

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

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.

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).

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	
EIM 020A 01	2.00	0.079	0.20	0.008	1.96	0.44	0.13	0.03	10.00	0.394	0.099	0.1	38.30	1.508	K	M	
EIM 020A 02									12.50	0.492	0.070	0.40	50.70	1.996	K	M	
EIM 020A 03									15.00	0.591	0.055	0.31	63.09	2.484	K	M	
EIM 020A 04									17.50	0.689	0.045	0.25	68.48	2.972	K	M	
EIM 020A 05									20.00	0.787	0.038	0.22	87.25	3.460	K	M	
EIM 025A 01			0.25	0.010	3.87	0.87	0.27	0.06	10.00	0.394	0.326	1.86	31.00	1.221	K	M	
EIM 025A 02									12.50	0.492	0.232	1.33	40.41	1.591	K	M	
EIM 025A 03									15.00	0.591	0.181	1.03	49.82	1.961	K	M	
EIM 025A 04									17.50	0.689	0.148	0.84	59.23	2.383	K	M	
EIM 025A 05									20.00	0.787	0.125	0.71	68.64	2.702	K	M	
EIM 025A 06									22.50	0.886	0.108	0.62	78.04	3.073	K	M	
EIM 025A 07									25.00	0.984	0.096	0.55	87.45	3.443	K	M	
EI 0108 01	2.38	0.094	0.25	0.010	2.67	0.60	0.22	0.05	9.53	0.375	0.210	1.20	21.17	0.833	J	L	
EI 0108 02									11.11	0.438	0.165	0.94	25.97	1.023	J	L	
EI 0108 03									12.70	0.500	0.133	0.76	31.08	1.224	J	L	
EI 0108 04									15.88	0.625	0.098	0.56	40.83	1.607	J	L	
EI 0108 05									19.05	0.750	0.077	0.44	50.80	2.000	J	L	
EI 0108 06									22.23	0.875	0.063	0.36	61.04	2.403	J	L	
EI 0108 07									25.40	1.000	0.054	0.31	70.46	2.774	J	L	
EI 0118 01			0.28	0.011	3.56	0.80	0.31	0.07	9.53	0.375	0.350	2.00	18.80	0.740	J	L	
EI 0118 02									11.11	0.438	0.268	1.53	23.23	0.915	J	L	
EI 0118 03									12.70	0.500	0.221	1.26	27.42	1.079	J	L	
EI 0118 04									15.88	0.625	0.163	0.93	35.82	1.410	J	L	
EI 0118 05									19.05	0.750	0.128	0.73	44.45	1.750	J	L	
EI 0118 06									22.23	0.875	0.105	0.60	53.13	2.092	J	L	
EI 0118 07									25.40	1.000	0.091	0.52	61.06	2.404	J	L	
EI 0128 01			0.30	0.012	4.45	1.00	0.44	0.10	9.53	0.375	0.560	3.20	16.67	0.656	J	L	
EI 0128 02									11.11	0.438	0.420	2.40	20.64	0.813	J	L	
EI 0128 03									12.70	0.500	0.350	2.00	24.13	0.950	J	L	
EI 0128 04									15.88	0.625	0.263	1.50	31.12	1.225	J	L	
EI 0128 05									19.05	0.750	0.210	1.20	38.10	1.500	J	L	
EI 0128 06									22.23	0.875	0.168	0.96	46.04	1.813	J	L	
EI 0128 07									25.40	1.000	0.144	0.82	53.28	2.098	J	L	
EI 0138 01			0.33	0.013	5.56	1.25	0.58	0.13	9.53	0.375	0.841	4.80	15.46	0.608	J	L	
EI 0138 02									11.11	0.438	0.648	3.70	18.80	0.741	J	L	
EI 0138 03									12.70	0.500	0.543	3.10	21.88	0.861	J	L	
EI 0138 04									15.88	0.625	0.396	2.26	28.47	1.121	J	L	
EI 0138 05									19.05	0.750	0.315	1.80	34.85	1.372	J	L	
EI 0138 06									22.23	0.875	0.263	1.50	41.20	1.622	J	L	
EI 0138 07									25.40	1.000	0.222	1.27	47.80	1.882	J	L	
EI 0148 01			0.36	0.014	6.67	1.50	0.76	0.17	9.53	0.375	1.243	7.10	14.29	0.562	J	L	
EI 0148 02									11.11	0.438	0.963	5.50	17.25	0.680	J	L	
EI 0148 03									12.70	0.500	0.806	4.60	20.04	0.789	J	L	
EI 0148 04									15.88	0.625	0.595	3.40	25.82	1.016	J	L	
EI 0148 05									19.05	0.750	0.473	2.70	31.56	1.243	J	L	
EI 0148 06									22.23	0.875	0.385	2.20	37.59	1.480	J	L	
EI 0148 07									25.40	1.000	0.333	1.90	43.18	1.700	J	L	
EI 0168 01			0.41	0.016	10.06	2.26	0.85	0.19	9.53	0.375	2.488	14.20	13.23	0.521	J	L	
EI 0168 02									11.13	0.438	1.927	11.00	15.91	0.626	J	L	
EI 0168 03									12.70	0.500	1.612	9.20	18.42	0.725	J	L	
EI 0168 04									15.88	0.625	1.191	6.80	23.61	0.929	J	L	
EI 0168 05									19.05	0.750	0.928	5.30	28.97	1.141	J	L	
EI 0168 06									22.23	0.875	0.771	4.40	34.18	1.345	J	L	
EI 0168 07									25.40	1.000	0.648	3.70	39.61	1.559	J	L	

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

ADDITIONAL INFORMATION

- 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).
- 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.
- 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.
- Material specifications, finishes and tolerances are detailed on page 163.
- 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



● Full Loops, Random Position

● 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	1.59	0.063	0.18	0.007	1.42	0.32	0.13	0.03	6.35	0.250	0.175	1.00	13.72	0.540	K	M				
EI 007A 02									7.94	0.313	0.121	0.69	18.62	0.733	K	M				
EI 007A 03									9.53	0.375	0.093	0.53	23.43	0.922	K	M				
EI 007A 04									11.11	0.438	0.075	0.43	28.24	1.112	K	M				
EI 007A 05									12.70	0.500	0.063	0.36	33.16	1.306	K	M				
EI 008A 01			1.59	0.063	0.20	0.008	2.00	0.45	0.18	0.04	6.35	0.250	0.350	2.00	11.56	0.455	K	M		
EI 008A 02											7.94	0.313	0.245	1.40	15.38	0.606	K	M		
EI 008A 03											9.53	0.375	0.193	1.10	19.00	0.748	K	M		
EI 008A 04											11.11	0.438	0.154	0.88	22.94	0.904	K	M		
EI 008A 05											12.70	0.500	0.130	0.74	26.77	1.054	K	M		
EI 008A 06					15.88	0.625	0.100	0.57	34.15	1.344	K	M								
EI 008A 07					19.05	0.750	0.081	0.46	41.69	1.641	K	M								
EI 008A 08					22.23	0.875	0.067	0.38	49.64	1.954	K	M								
EI 009A 01					1.59	0.063	0.23	0.009	2.76	0.62	0.27	0.06	6.35	0.250	0.648	3.70	10.19	0.401	K	M
EI 009A 02													7.94	0.313	0.473	2.70	13.21	0.520	K	M
EI 009A 03													9.53	0.375	0.368	2.10	16.30	0.642	K	M
EI 009A 04	11.11	0.438											0.298	1.70	19.48	0.767	K	M		
EI 009A 05	12.70	0.500											0.245	1.40	22.86	0.900	K	M		
EI 009A 06	15.88	0.625					0.193	1.10	28.81	1.134	K	M								
EI 009A 07	19.05	0.750					0.151	0.86	35.59	1.401	K	M								
EI 009A 08	22.23	0.875					0.126	0.72	41.99	1.653	K	M								
EI 011A 01	1.59	0.063	0.28	0.011			5.07	1.14	0.45	0.10	6.35	0.250	1.945	11.10	8.73	0.344	K	M		
EI 011A 02											7.95	0.313	1.384	7.90	11.29	0.445	K	M		
EI 011A 03											9.53	0.375	1.034	5.90	14.01	0.551	K	M		
EI 011A 04											11.13	0.438	0.841	4.80	16.63	0.655	K	M		
EI 011A 05											12.70	0.500	0.718	4.10	19.14	0.754	K	M		
EI 011A 06			15.88	0.625			0.561	3.20	24.14	0.950	K	M								
EI 011A 07			19.05	0.750			0.438	2.50	29.62	1.166	K	M								
EI 007AA 01			1.98	0.078			0.18	0.007	1.31	0.29	0.11	0.03	6.35	0.250	0.107	0.61	23.88	0.940	J	L
EI 007AA 02					7.95	0.313							0.069	0.39	33.22	1.308	J	L		
EI 007AA 03					9.53	0.375							0.051	0.29	42.42	1.670	J	L		
EI 007AA 04					11.13	0.438							0.041	0.23	51.77	2.038	J	L		
EI 007AA 05					12.70	0.500							0.034	0.19	60.96	2.400	J	L		
EI 008AA 01					1.98	0.078	0.20	0.008	1.96	0.44	0.16	0.04	6.35	0.250	0.212	1.21	21.23	0.836	J	L
EI 008AA 02													7.95	0.313	0.138	0.79	29.01	1.142	J	L
EI 008AA 03													9.53	0.375	0.103	0.59	36.63	1.442	J	L
EI 008AA 04													11.13	0.438	0.082	0.47	44.40	1.748	J	L
EI 008AA 05	12.70	0.500											0.068	0.39	52.04	2.049	J	L		
EI 008AA 06	15.88	0.625					0.051	0.29	67.44	2.655	J	L								
EI 008AA 07	19.05	0.750					0.040	0.23	82.85	3.262	J	L								
EI 008AA 08	22.23	0.875					0.034	0.19	98.28	3.869	J	L								
EI 009AA 01	1.98	0.078					0.23	0.009	2.82	0.63	0.22	0.05	6.35	0.250	0.389	2.22	19.38	0.763	J	L
EI 009AA 02													7.95	0.313	0.256	1.46	26.06	1.026	J	L
EI 009AA 03													9.53	0.375	0.191	1.09	32.67	1.286	J	L
EI 009AA 04			11.13	0.438									0.152	0.87	39.35	1.549	J	L		
EI 009AA 05			12.70	0.500									0.127	0.72	45.92	1.808	J	L		
EI 009AA 06			15.88	0.625			0.095	0.54	59.21	2.331	J	L								
EI 009AA 07			19.05	0.750			0.076	0.43	72.47	2.853	J	L								
EI 009AA 08			22.23	0.875			0.063	0.36	85.73	3.375	J	L								
EI 011AA 01			1.98	0.078	0.28	0.011	5.24	1.18	0.40	0.09	6.35	0.250	1.104	6.30	17.09	0.673	J	L		
EI 011AA 02											7.95	0.313	0.737	4.21	22.45	0.884	J	L		
EI 011AA 03											9.53	0.375	0.556	3.17	27.77	1.093	J	L		
EI 011AA 04											11.13	0.438	0.445	2.54	33.13	1.304	J	L		
EI 011AA 05											12.70	0.500	0.371	2.12	38.43	1.513	J	L		
EI 011AA 06					15.88	0.625	0.279	1.59	49.10	1.933	J	L								
EI 011AA 07					19.05	0.750	0.223	1.27	59.77	2.353	J	L								
EI 011AA 08					22.23	0.875	0.186	1.06	70.44	2.773	J	L								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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				
EIM 020A 01	2.00	0.079	0.20	0.008	1.96	0.44	0.13	0.03	10.00	0.394	0.099	0.56	38.30	1.508	K	M				
EIM 020A 02									12.50	0.492	0.070	0.40	50.70	1.996	K	M				
EIM 020A 03									15.00	0.591	0.055	0.31	63.09	2.484	K	M				
EIM 020A 04									17.50	0.689	0.045	0.25	75.48	2.972	K	M				
EIM 020A 05									20.00	0.787	0.038	0.22	87.88	3.460	K	M				
EIM 025A 01			2.38	0.094	0.25	0.010	3.87	0.87	0.27	0.06	10.00	0.394	0.326	1.86	31.00	1.221	K	M		
EIM 025A 02											12.50	0.492	0.232	1.33	40.41	1.591	K	M		
EIM 025A 03											15.00	0.591	0.181	1.03	49.82	1.961	K	M		
EIM 025A 04											17.50	0.689	0.148	0.84	59.23	2.332	K	M		
EIM 025A 05											20.00	0.787	0.125	0.71	68.64	2.702	K	M		
EIM 025A 06											22.50	0.886	0.108	0.62	78.04	3.073	K	M		
EIM 025A 07											25.00	0.984	0.096	0.55	87.45	3.443	K	M		
EI 010B 01					2.38	0.094	0.25	0.010	2.67	0.60	0.22	0.05	9.53	0.375	0.210	1.20	21.17	0.833	J	L
EI 010B 02													11.11	0.438	0.165	0.94	25.97	1.023	J	L
EI 010B 03	12.70	0.500											0.133	0.76	31.08	1.224	J	L		
EI 010B 04	15.88	0.625											0.098	0.56	40.83	1.607	J	L		
EI 010B 05	19.05	0.750											0.077	0.44	50.80	2.000	J	L		
EI 010B 06	22.23	0.875											0.063	0.36	61.04	2.403	J	L		
EI 010B 07	25.40	1.000											0.054	0.31	70.46	2.774	J	L		
EI 011B 01	2.38	0.094	0.28	0.011			3.56	0.80	0.31	0.07	9.53	0.375	0.350	2.00	18.80	0.740	J	L		
EI 011B 02											11.11	0.438	0.268	1.53	23.23	0.915	J	L		
EI 011B 03											12.70	0.500	0.221	1.26	27.42	1.079	J	L		
EI 011B 04											15.88	0.625	0.163	0.93	35.82	1.410	J	L		
EI 011B 05											19.05	0.750	0.128	0.73	44.45	1.750	J	L		
EI 011B 06											22.23	0.875	0.105	0.60	53.13	2.092	J	L		
EI 011B 07											25.40	1.000	0.091	0.52	61.06	2.404	J	L		
EI 012B 01			2.38	0.094	0.30	0.012	4.45	1.00	0.44	0.10	9.53	0.375	0.560	3.20	16.67	0.656	J	L		
EI 012B 02											11.11	0.438	0.420	2.40	20.64	0.813	J	L		
EI 012B 03											12.70	0.500	0.350	2.00	24.13	0.950	J	L		
EI 012B 04											15.88	0.625	0.263	1.50	31.12	1.225	J	L		
EI 012B 05											19.05	0.750	0.210	1.20	38.10	1.500	J	L		
EI 012B 06											22.23	0.875	0.168	0.96	46.04	1.813	J	L		
EI 012B 07											25.40	1.000	0.144	0.82	53.28	2.098	J	L		
EI 013B 01	2.38	0.094			0.33	0.013	5.56	1.25	0.58	0.13	9.53	0.375	0.841	4.80	15.46	0.608	J	L		
EI 013B 02											11.11	0.438	0.648	3.70	18.80	0.741	J	L		
EI 013B 03											12.70	0.500	0.543	3.10	21.88	0.861	J	L		
EI 013B 04											15.88	0.625	0.396	2.26	28.47	1.121	J	L		
EI 013B 05											19.05	0.750	0.315	1.80	34.85	1.372	J	L		
EI 013B 06											22.23	0.875	0.263	1.50	41.20	1.622	J	L		
EI 013B 07											25.40	1.000	0.222	1.27	47.80	1.882	J	L		
EI 014B 01			2.38	0.094	0.36	0.014	6.67	1.50	0.76	0.17	9.53	0.375	1.243	7.10	14.29	0.562	J	L		
EI 014B 02											11.11	0.438	0.963	5.50	17.25	0.680	J	L		
EI 014B 03											12.70	0.500	0.806	4.60	20.04	0.789	J	L		
EI 014B 04											15.88	0.625	0.595	3.40	25.82	1.016	J	L		
EI 014B 05											19.05	0.750	0.473	2.70	31.56	1.243	J	L		
EI 014B 06											22.23	0.875	0.385	2.20	37.59	1.480	J	L		
EI 014B 07											25.40	1.000	0.333	1.90	43.18	1.700	J	L		
EI 016B 01	2.38	0.094			0.41	0.016	10.06	2.26	0.85	0.19	9.53	0.375	2.488	14.20	13.23	0.521	J	L		
EI 016B 02											11.13	0.438	1.927	11.00	15.91	0.626	J	L		
EI 016B 03											12.70	0.500	1.612	9.20	18.42	0.725	J	L		
EI 016B 04											15.88	0.625	1.191	6.80	23.61	0.929	J	L		
EI 016B 05											19.05	0.750	0.928	5.30	28.97	1.141	J	L		
EI 016B 06											22.23	0.875	0.771	4.40	34.18	1.345	J	L		
EI 016B 07											25.40	1.000	0.648	3.70	39.61	1.559	J	L		

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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		
EIM 025B 01	2.50	0.098	0.25	0.100	2.45	0.55	0.18	0.04	9.50	0.374	0.168	0.96	22.99	0.905	K	M		
EIM 025B 02									11.00	0.433	0.131	0.75	28.27	1.113	K	M		
EIM 025B 03									12.50	0.492	0.107	0.61	33.74	1.328	K	M		
EIM 025B 04									15.50	0.610	0.079	0.45	44.29	1.743	K	M		
EIM 025B 05									19.00	0.748	0.060	0.34	57.10	2.248	K	M		
EIM 025B 06									22.00	0.866	0.051	0.29	66.67	2.625	K	M		
EIM 025B 07									25.00	0.984	0.042	0.24	78.98	3.109	K	M		
EIM 030B 01			2.78	0.109	0.30	0.012	5.25	1.18	0.40	0.09	10.00	0.394	0.490	2.80	29.93	1.178	K	M
EIM 030B 02											12.50	0.492	0.334	1.90	39.59	1.558	K	M
EIM 030B 03											15.00	0.591	0.253	1.44	49.24	1.939	K	M
EIM 030B 04											17.50	0.689	0.204	1.16	58.90	2.319	K	M
EIM 030B 05											20.00	0.787	0.170	0.97	68.56	2.699	K	M
EIM 030B 06											22.50	0.886	0.146	0.84	78.22	3.080	K	M
EIM 030B 07											25.00	0.984	0.128	0.73	87.88	3.460	K	M
EI 010C 01	2.78	0.109			0.25	0.010	2.67	0.60	0.22	0.05	9.53	0.375	0.144	0.82	36.10	1.421	J	L
EI 010C 02											11.13	0.438	0.107	0.61	45.06	1.774	J	L
EI 010C 03											12.70	0.500	0.086	0.49	53.87	2.121	J	L
EI 010C 04											15.88	0.625	0.061	0.35	71.68	2.822	J	L
EI 010C 05											19.05	0.750	0.048	0.27	89.46	3.522	J	L
EI 010C 06											22.23	0.875	0.039	0.22	107.24	4.222	J	L
EI 010C 07											25.40	1.000	0.033	0.19	125.04	4.923	J	L
EI 011C 01			2.78	0.109	0.28	0.011	3.57	0.80	0.29	0.07	9.53	0.375	0.235	1.34	33.05	1.301	J	L
EI 011C 02											11.13	0.438	0.176	1.01	40.90	1.610	J	L
EI 011C 03											12.70	0.500	0.141	0.81	48.62	1.914	J	L
EI 011C 04											15.88	0.625	0.101	0.58	64.22	2.528	J	L
EI 011C 05											19.05	0.750	0.079	0.45	79.81	3.142	J	L
EI 011C 06											22.23	0.875	0.064	0.37	95.41	3.756	J	L
EI 011C 07											25.40	1.000	0.055	0.31	110.97	4.369	J	L
EI 012C 01	2.78	0.109			0.30	0.012	4.65	1.05	0.38	0.09	9.53	0.375	0.368	2.10	30.66	1.207	J	L
EI 012C 02											11.13	0.438	0.277	1.58	37.65	1.482	J	L
EI 012C 03											12.70	0.500	0.223	1.27	44.55	1.754	J	L
EI 012C 04											15.88	0.625	0.160	0.91	58.45	2.301	J	L
EI 012C 05											19.05	0.750	0.125	0.71	72.34	2.848	J	L
EI 012C 06											22.23	0.875	0.102	0.58	86.21	3.394	J	L
EI 012C 07											25.40	1.000	0.087	0.49	100.10	3.941	J	L
EI 013C 01			2.78	0.109	0.33	0.013	5.93	1.33	0.47	0.11	9.53	0.375	0.558	3.19	28.83	1.135	J	L
EI 013C 02											11.13	0.438	0.422	2.41	35.18	1.385	J	L
EI 013C 03											12.70	0.500	0.340	1.94	41.45	1.632	J	L
EI 013C 04											15.88	0.625	0.245	1.40	54.06	2.128	J	L
EI 013C 05											19.05	0.750	0.191	1.09	66.68	2.625	J	L
EI 013C 06											22.23	0.875	0.157	0.89	79.28	3.121	J	L
EI 013C 07											25.40	1.000	0.133	0.76	91.90	3.618	J	L
EI 014C 01	2.78	0.109			0.36	0.014	7.44	1.67	0.58	0.13	9.53	0.375	0.822	4.69	27.41	1.079	J	L
EI 014C 02											11.13	0.438	0.624	3.56	33.25	1.309	J	L
EI 014C 03											12.70	0.500	0.504	2.88	39.01	1.536	J	L
EI 014C 04											15.88	0.625	0.363	2.07	50.63	1.993	J	L
EI 014C 05											19.05	0.750	0.284	1.62	62.26	2.451	J	L
EI 014C 06											22.23	0.875	0.233	1.33	73.87	2.908	J	L
EI 014C 07											25.40	1.000	0.198	1.13	85.47	3.365	J	L
EIM 030C 01			3.00	0.118	0.30	0.012	4.27	0.96	0.34	0.08	10.00	0.394	0.324	1.85	32.18	1.267	K	M
EIM 030C 02											12.50	0.492	0.205	1.17	44.24	1.742	K	M
EIM 030C 03											15.00	0.591	0.150	0.85	56.30	2.217	K	M
EIM 030C 04											17.50	0.689	0.118	0.67	68.36	2.691	K	M
EIM 030C 05											20.00	0.787	0.097	0.56	80.42	3.166	K	M
EIM 030C 06											22.50	0.886	0.083	0.47	92.49	3.641	K	M
EIM 030C 07											25.00	0.984	0.072	0.41	104.55	4.116	K	M



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless
EIM 030D 01	4.00	0.157	0.30	0.012	3.11	0.70	0.25	0.06	10.00	0.394	0.234	1.34	32.31	1.272	K	M
EIM 030D 02									12.50	0.492	0.113	0.64	50.52	1.989	K	M
EIM 030D 03									15.00	0.591	0.074	0.42	68.73	2.706	K	M
EIM 030D 04									17.50	0.689	0.055	0.32	86.94	3.423	K	M
EIM 030D 05									20.00	0.787	0.044	0.25	105.15	4.140	K	M
EIM 030D 06									22.50	0.886	0.037	0.21	123.36	4.857	K	M
EIM 030D 07									25.00	0.984	0.031	0.18	141.58	5.574	K	M
EIM 030D 08									27.50	1.083	0.027	0.16	159.79	6.291	K	M
EIM 030D 09									30.00	1.181	0.024	0.14	178.00	7.008	K	M
LEM 035A 01	3.00	0.118	0.35	0.014	4.90	1.10	0.53	0.12	12.50	0.492	0.387	2.21	23.76	0.935	J	L
LEM 035A 02									14.00	0.551	0.322	1.84	27.53	1.084	J	L
LEM 035A 03									15.50	0.610	0.277	1.58	31.25	1.230	J	L
LEM 035A 04									17.00	0.669	0.242	1.38	35.04	1.379	J	L
LEM 035A 05									19.00	0.748	0.208	1.19	39.92	1.572	J	L
LEM 035A 06									21.00	0.827	0.182	1.04	44.93	1.769	J	L
LEM 035A 07									23.00	0.906	0.161	0.92	50.06	1.971	J	L
LEM 035A 08									25.00	0.984	0.145	0.83	54.99	2.165	J	L
LEM 035A 09									30.00	1.181	0.117	0.67	67.15	2.644	K	M
LEM 035A 10									35.00	1.378	0.096	0.55	80.26	3.160	K	M
LEM 035A 11									40.00	1.575	0.084	0.48	91.86	3.617	K	M
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									14.29	0.563	0.289	1.65	29.38	1.157	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	42.10	1.657	J	L
LE 014A 05									20.64	0.813	0.170	0.97	46.30	1.823	J	L
LE 014A 06									22.23	0.875	0.154	0.88	50.52	1.989	J	L
LE 014A 07									23.81	0.938	0.142	0.81	54.54	2.148	J	L
LE 014A 08									25.40	1.000	0.131	0.75	58.59	2.307	K	M
LE 014A 09									28.58	1.125	0.112	0.64	67.47	2.656	K	M
LE 014A 10									31.75	1.250	0.100	0.57	75.42	2.969	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	0.081	0.46	92.21	3.630	K	M
LE 016A 002	0.41	0.016	7.12	1.60	0.89	0.20	12.70	0.500	0.718	4.10	21.37	0.841	J	L		
LE 016A 001							15.88	0.625	0.501	2.86	28.31	1.115	J	L		
LE 016A 00							19.05	0.750	0.368	2.10	35.98	1.417	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	49.11	1.933	K	M		
LE 016A 02							28.58	1.125	0.228	1.30	55.93	2.202	K	M		
LE 016A 03							31.75	1.250	0.210	1.20	58.38	2.417	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	77.61	3.056	L	N		
LE 016A 06							44.45	1.750	0.137	0.78	90.04	3.545	L	N		
LE 016A 07							50.80	2.000	0.119	0.68	103.09	4.059	M	P		
LE 018A 002							0.46	0.018	9.78	2.20	1.33	0.30	12.70	0.500	1.327	7.58
LE 018A 001	15.88	0.625	0.937	5.35	24.90	0.980							J	L		
LE 018A 00	19.05	0.750	0.701	4.00	31.12	1.225							J	L		
LE 018A 0	22.23	0.875	0.578	3.30	36.85	1.451							J	L		
LE 018A 01	25.40	1.000	0.508	2.90	42.04	1.655							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	53.69	2.114							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	64.91	2.556							L	N		
LE 018A 06	44.45	1.750	0.263	1.50	76.62	3.017							L	N		
LE 018A 07	50.80	2.000	0.228	1.30	87.92	3.462							M	P		
LE 018A 08	57.15	2.250	0.198	1.13	99.86	3.931							M	P		

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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	17.45	0.687	J	L
LE 020A 001									15.88	0.625	1.650	9.42	22.62	0.890	J	L
LE 020A 00									19.05	0.750	1.313	7.50	27.52	1.083	J	L
LE 020A 0									22.23	0.875	1.051	6.00	32.81	1.292	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	43.01	1.693	K	M
LE 020A 03									31.75	1.250	0.683	3.90	48.03	1.891	K	M
LE 020A 04									34.93	1.375	0.613	3.50	53.07	2.089	K	M
LE 020A 05			38.10	1.500	0.560	3.20	57.94	2.281	L	N						
LE 020A 06			44.45	1.750	0.473	2.70	67.97	2.676	L	N						
LE 020A 07			50.80	2.000	0.403	2.30	78.41	3.087	M	P						
LE 020A 08			57.15	2.250	0.350	2.00	88.90	3.500	M	P						
LE 022A 01			0.56	0.022	17.35	3.90	2.00	0.45	15.88	0.625	2.820	16.10	21.32	0.839	J	L
LE 022A 02									19.05	0.750	2.172	12.40	26.12	1.028	J	L
LE 022A 03									22.23	0.875	1.786	10.20	30.82	1.213	J	L
LE 022A 04									25.40	1.000	1.524	8.70	35.47	1.397	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	45.03	1.773	K	M		
LE 022A 07	34.93	1.375							1.051	6.00	49.54	1.950	K	M		
LE 022A 08	38.10	1.500							0.946	5.40	54.33	2.139	L	N		
LE 022A 09	44.45	1.750							0.788	4.50	63.92	2.517	L	N		
LE 022A 10	50.80	2.000							0.683	3.90	73.27	2.885	M	P		
LE 022A 11	57.15	2.250							0.599	3.42	82.77	3.259	M	P		
LE 022A 12	63.50	2.500							0.534	3.05	92.23	3.631	M	P		
LEM 045B 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
LEM 045B 02									17.00	0.669	0.306	1.75	37.32	1.469	J	L
LEM 045B 03									19.00	0.748	0.252	1.44	43.69	1.720	J	L
LEM 045B 04									21.00	0.827	0.215	1.23	49.91	1.965	K	M
LEM 045B 05									23.00	0.906	0.187	1.07	56.23	2.214	K	M
LEM 045B 06									25.00	0.984	0.166	0.95	62.43	2.458	K	M
LEM 045B 07									30.00	1.181	0.128	0.73	78.71	3.099	K	M
LEM 045B 08									35.00	1.378	0.105	0.60	94.27	3.711	L	N
LEM 045B 09									40.00	1.575	0.089	0.51	109.73	4.320	L	N
LEM 045B 10									45.00	1.772	0.077	0.44	125.82	4.954	L	N
LEM 045B 11									50.00	1.969	0.068	0.39	141.18	5.559	M	P
LEM 045B 12									55.00	2.165	0.061	0.35	156.60	6.165	M	P
LEM 045B 13			60.00	2.362	0.054	0.31	174.71	6.878	M	P						
LEM 060B 01			0.60	0.024	15.70	3.53	1.87	0.42	15.50	0.610	1.632	9.32	23.98	0.944	J	L
LEM 060B 02									17.00	0.669	1.384	7.90	27.00	1.063	J	L
LEM 060B 03									19.00	0.748	1.149	6.56	31.04	1.222	J	L
LEM 060B 04									21.00	0.827	0.982	5.61	35.08	1.381	K	M
LEM 060B 05									23.00	0.906	0.858	4.90	39.12	1.541	K	M
LEM 060B 06									25.00	0.984	0.762	4.35	43.16	1.699	K	M
LEM 060B 07									30.00	1.181	0.594	3.39	53.30	2.098	K	M
LEM 060B 08									35.00	1.378	0.487	2.78	63.42	2.497	L	N
LEM 060B 09									40.00	1.575	0.413	2.36	73.47	2.893	L	N
LEM 060B 10									45.00	1.772	0.359	2.05	83.53	3.289	L	N
LEM 060B 11									50.00	1.969	0.317	1.81	93.64	3.687	M	P
LEM 060B 12	55.00	2.165							0.284	1.62	103.76	4.085	M	P		
LEM 060B 13	60.00	2.362	0.257	1.47	113.74	4.478	M	P								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LE 014B 01	4.76	0.188	0.36	0.014	3.57	0.80	0.18	0.04	15.88	0.625	0.093	0.53	52.30	2.059	J	L
LE 014B 02									22.23	0.875	0.049	0.28	91.17	3.589	J	L
LE 014B 03									25.40	1.000	0.040	0.23	109.33	4.304	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	145.30	5.721	K	M
LE 014B 06									34.93	1.375	0.026	0.15	163.62	6.442	K	M
LE 014B 07									38.10	1.500	0.023	0.13	186.59	7.346	L	N
LE 014B 08									41.28	1.625	0.021	0.12	202.15	7.958	L	N
LE 014B 09									44.45	1.750	0.019	0.11	219.94	8.659	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	265.29	10.444	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	339.27	13.357	M	P
LE 016B 01			0.41	0.016	5.34	1.20	0.33	0.08	15.88	0.625	0.182	1.04	43.23	1.702	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	87.24	3.435	K	M
LE 016B 04									28.58	1.125	0.068	0.39	101.52	3.997	K	M
LE 016B 05									31.75	1.250	0.060	0.34	115.42	4.544	K	M
LE 016B 06									34.93	1.375	0.053	0.30	129.76	5.108	K	M
LE 016B 07									38.10	1.500	0.046	0.26	147.52	5.808	L	N
LE 016B 08									41.28	1.625	0.042	0.24	159.81	6.292	L	N
LE 016B 09									44.45	1.750	0.039	0.22	173.76	6.841	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	208.84	8.222	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			0.46	0.018	6.67	1.50	0.62	0.14	15.88	0.625	0.333	1.90	34.06	1.341	J	L
LE 018B 02									22.23	0.875	0.184	1.05	55.13	2.170	J	L
LE 018B 03									25.40	1.000	0.151	0.86	65.57	2.581	K	M
LE 018B 04									28.58	1.125	0.128	0.73	75.90	2.988	K	M
LE 018B 05									31.75	1.250	0.110	0.63	86.58	3.409	K	M
LE 018B 06									34.93	1.375	0.096	0.55	97.74	3.848	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	118.04	4.647	L	N
LE 018B 09									44.45	1.750	0.072	0.41	128.70	5.067	L	N
LE 018B 10									47.63	1.875	0.067	0.38	138.54	5.454	L	N
LE 018B 11									50.80	2.000	0.061	0.35	149.50	5.886	M	P
LE 018B 12									57.15	2.250	0.053	0.30	172.30	6.783	M	P
LE 018B 13									63.50	2.500	0.047	0.27	191.44	7.537	M	P
LE 020B 01			0.51	0.020	8.90	2.00	0.98	0.22	15.88	0.625	0.578	3.30	29.58	1.164	J	L
LE 020B 02									22.23	0.875	0.315	1.80	47.35	1.864	J	L
LE 020B 03									25.40	1.000	0.263	1.50	55.54	2.187	K	M
LE 020B 04									28.58	1.125	0.228	1.30	63.36	2.494	K	M
LE 020B 05									31.75	1.250	0.193	1.10	72.85	2.868	K	M
LE 020B 06									34.93	1.375	0.170	0.97	81.54	3.210	K	M
LE 020B 07									38.10	1.500	0.152	0.87	90.07	3.546	L	N
LE 020B 08									41.28	1.625	0.138	0.79	98.51	3.878	L	N
LE 020B 09									44.45	1.750	0.126	0.72	107.24	4.222	L	N
LE 020B 10									47.63	1.875	0.116	0.66	116.13	4.572	L	N
LE 020B 11									50.80	2.000	0.107	0.61	124.92	4.918	M	P
LE 020B 12									57.15	2.250	0.093	0.53	142.46	5.608	M	P
LE 020B 13									63.50	2.500	0.082	0.47	159.70	6.287	M	P

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 022B 002	4.76	0.188	0.56	0.022	11.12	2.50	1.33	0.30	12.70	0.500	1.524	8.70	19.12	0.753	J	L								
LE 022B 001									15.88	0.625	0.946	5.40	26.23	1.032	J	L								
LE 022B 00									19.05	0.750	0.665	3.80	33.76	1.329	J	L								
LE 022B 0									22.23	0.875	0.560	3.20	39.69	1.563	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	55.19	2.173	K	M								
LE 022B 03									31.75	1.250	0.315	1.80	62.79	2.472	K	M								
LE 022B 04									34.93	1.375	0.280	1.60	69.86	2.750	K	M								
LE 022B 05									38.10	1.500	0.245	1.40	78.01	3.071	L	N								
LE 022B 06									44.45	1.750	0.210	1.20	91.02	3.583	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	119.94	4.722	M	P								
LE 022B 09									63.50	2.500	0.137	0.78	135.14	5.321	M	P								
LE 024B 01									4.76	0.188	0.61	0.024	15.12	3.40	1.78	0.40	15.88	0.625	1.489	8.50	24.84	0.978	J	L
LE 024B 02																	17.46	0.688	1.261	7.20	28.04	1.105	J	L
LE 024B 03	19.05	0.750	1.051	6.00	31.75	1.250	J	L																
LE 024B 04	20.64	0.813	0.928	5.30	35.02	1.379	K	M																
LE 024B 05	22.23	0.875	0.841	4.80	38.11	1.500	K	M																
LE 024B 06	23.81	0.938	0.753	4.30	41.53	1.636	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	51.26	2.018	K	M																
LE 024B 09	31.75	1.250	0.510	2.91	57.94	2.281	K	M																
LE 024B 10	34.93	1.375	0.450	2.57	64.58	2.542	L	N																
LE 024B 11	38.10	1.500	0.403	2.30	71.23	2.804	L	N																
LE 024B 12	44.45	1.750	0.333	1.90	84.56	3.329	M	P																
LE 024B 13	50.80	2.000	0.284	1.62	97.84	3.852	M	P																
LE 024B 14	57.15	2.250	0.249	1.42	110.81	4.363	M	P																
LE 024B 15	63.50	2.500	0.221	1.26	123.98	4.881	M	P																
LE 026B 002	4.76	0.188	0.66	0.026	19.13	4.30	2.22	0.50	12.70	0.500	3.590	20.50	17.41	0.685	J	L								
LE 026B 001									15.88	0.625	2.212	12.63	23.52	0.926	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	35.27	1.389	K	M								
LE 026B 01									25.40	1.000	1.068	6.10	41.22	1.623	K	M								
LE 026B 02									28.58	1.125	0.893	5.10	47.51	1.870	K	M								
LE 026B 03									31.75	1.250	0.788	4.50	53.20	2.094	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	65.68	2.586	L	N								
LE 026B 06									44.45	1.750	0.508	2.90	77.73	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	101.02	3.977	M	P								
LE 026B 09									63.50	2.500	0.338	1.93	113.51	4.469	M	P								
LE 029B 01									4.76	0.188	0.74	0.029	25.80	5.80	3.34	0.75	15.88	0.625	3.923	22.40	21.61	0.850	J	L
LE 029B 02																	17.46	0.688	3.362	19.20	24.14	0.951	J	L
LE 029B 03	19.05	0.750	2.942	16.80	26.69	1.051	K	M																
LE 029B 04	20.64	0.813	2.609	14.90	29.25	1.152	K	M																
LE 029B 05	22.23	0.875	2.294	13.10	32.02	1.260	K	M																
LE 029B 06	23.81	0.938	2.102	12.00	34.50	1.359	K	M																
LE 029B 07	25.40	1.000	1.926	11.00	37.06	1.459	K	M																
LE 029B 08	28.58	1.125	1.625	9.28	42.40	1.669	K	M																
LE 029B 09	31.75	1.250	1.417	8.09	47.61	1.874	L	N																
LE 029B 10	34.93	1.375	1.256	7.17	52.82	2.079	L	N																
LE 029B 11	38.10	1.500	1.128	6.44	58.02	2.284	M	P																
LE 029B 12	44.45	1.750	0.933	5.33	68.52	2.697	M	P																
LE 029B 13	50.80	2.000	0.799	4.56	78.93	3.107	M	P																
LE 029B 14	57.15	2.250	0.702	4.01	89.14	3.509	M	P																
LE 029B 15	63.50	2.500	0.620	3.54	99.73	3.927	M	P																



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LE 031B 002	4.76	0.188	0.79	0.031	31.14	7.00	3.78	0.85	12.70	0.500	9.107	52.00	15.70	0.618	J	L
LE 031B 001									15.88	0.625	5.555	31.72	20.80	0.819	J	L
LE 031B 00									19.05	0.750	4.221	24.10	25.53	1.005	K	M
LE 031B 0									22.23	0.875	3.327	19.00	30.45	1.199	K	M
LE 031B 01									25.40	1.000	2.767	15.80	35.29	1.389	K	M
LE 031B 02									28.58	1.125	2.364	13.50	40.15	1.581	L	N
LE 031B 03									31.75	1.250	2.049	11.70	45.10	1.776	L	N
LE 031B 04									34.93	1.375	1.821	10.40	49.95	1.966	L	N
LE 031B 05									38.10	1.500	1.611	9.20	55.08	2.168	M	P
LE 031B 06									44.45	1.750	1.349	7.70	64.74	2.549	M	P
LE 031B 07									50.80	2.000	1.156	6.60	74.47	2.932	M	P
LE 031B 08									57.15	2.250	0.998	5.70	84.56	3.329	M	P
LE 031B 09									63.50	2.500	0.893	5.10	94.13	3.706	N	Q
LE 031B 10	69.85	2.750	0.788	4.50	104.56	4.117	N	Q								
LE 034B 01	6.30	0.248	0.86	0.034	40.03	9.00	4.00	0.90	15.88	0.625	9.334	53.30	19.74	0.777	J	L
LE 034B 02									19.05	0.750	7.005	40.00	24.19	0.953	K	M
LE 034B 03									22.23	0.875	5.429	31.00	28.87	1.136	K	M
LE 034B 04									25.40	1.000	4.553	26.00	33.31	1.312	K	M
LE 034B 05									28.58	1.125	3.923	22.40	37.76	1.487	L	N
LE 034B 06									31.75	1.250	3.380	19.30	42.41	1.670	L	N
LE 034B 07									34.93	1.375	3.012	17.20	46.89	1.846	L	N
LE 034B 08									38.10	1.500	2.715	15.50	51.37	2.023	M	P
LE 034B 09									44.45	1.750	2.259	12.90	60.40	2.378	M	P
LE 034B 10									50.80	2.000	1.926	11.00	69.50	2.736	M	P
LE 034B 11									57.15	2.250	1.681	9.60	78.58	3.094	M	P
LE 034B 12									63.50	2.500	1.489	8.50	87.70	3.453	N	Q
LE 034B 13									69.85	2.750	1.331	7.60	96.92	3.816	N	Q
LEM 055C 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	28.72	1.130	J	L
LEM 055C 02									19.00	0.748	0.340	1.94	42.44	1.671	J	L
LEM 055C 03									22.00	0.866	0.247	1.41	54.25	2.136	J	L
LEM 055C 04									25.00	0.984	0.194	1.11	65.96	2.597	K	M
LEM 055C 05									30.00	1.181	0.144	0.82	85.45	3.364	K	M
LEM 055C 06									35.00	1.378	0.114	0.65	104.95	4.132	K	M
LEM 055C 07									40.00	1.575	0.095	0.54	124.20	4.890	L	N
LEM 055C 08									45.00	1.772	0.081	0.46	143.84	5.663	L	N
LEM 055C 09									50.00	1.969	0.070	0.40	163.67	6.444	M	P
LEM 055C 10									55.00	2.165	0.061	0.35	184.90	7.279	M	P
LEM 055C 11									60.00	2.362	0.056	0.32	202.08	7.956	N	Q
LEM 055C 12									65.00	2.559	0.051	0.29	221.78	8.731	N	Q
LEM 075C 01									6.30	0.248	0.75	0.030	19.60	4.41	2.45	0.55
LEM 075C 02	19.00	0.748	1.658	9.47	29.35	1.156	J	L								
LEM 075C 03	22.00	0.866	1.231	7.03	35.95	1.415	J	L								
LEM 075C 04	25.00	0.984	0.979	5.59	42.54	1.675	K	M								
LEM 075C 05	30.00	1.181	0.730	4.17	53.51	2.107	K	M								
LEM 075C 06	35.00	1.378	0.581	3.32	64.53	2.541	K	M								
LEM 075C 07	40.00	1.575	0.483	2.76	75.52	2.974	L	N								
LEM 075C 08	45.00	1.772	0.415	2.37	86.37	3.401	L	N								
LEM 075C 09	50.00	1.969	0.363	2.07	97.36	3.834	M	P								
LEM 075C 10	55.00	2.165	0.322	1.84	108.28	4.263	M	P								
LEM 075C 11	60.00	2.362	0.289	1.65	119.42	4.701	N	Q								
LEM 075C 12	65.00	2.559	0.263	1.50	130.36	5.132	N	Q								
LEM 075C 13	70.00	2.756	0.240	1.37	141.56	5.574	N	Q								

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LEM 080C 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	21.03	0.828	J	L
LEM 080C 02									19.00	0.748	2.313	13.21	28.19	1.110	J	L
LEM 080C 03									22.00	0.866	1.725	9.85	34.33	1.351	J	L
LEM 080C 04									25.00	0.984	1.377	7.86	40.45	1.592	K	M
LEM 080C 05									30.00	1.181	1.028	5.87	50.68	1.995	K	M
LEM 080C 06									35.00	1.378	0.821	4.69	60.89	2.397	K	M
LEM 080C 07									40.00	1.575	0.683	3.90	71.13	2.801	L	N
LEM 080C 08									45.00	1.772	0.585	3.34	81.35	3.203	L	N
LEM 080C 09									50.00	1.969	0.511	2.92	91.58	3.606	M	P
LEM 080C 10									55.00	2.165	0.455	2.60	101.70	4.003	M	P
LEM 080C 11									60.00	2.362	0.408	2.33	112.11	4.414	N	Q
LEM 080C 12									65.00	2.559	0.371	2.12	122.27	4.814	N	Q
LEM 080C 13									70.00	2.756	0.340	1.94	132.58	5.220	N	Q
LEM 080C 14									75.00	2.953	0.313	1.79	142.83	5.623	N	Q
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	35.88	1.412	J	L
LE 018C 02									19.05	0.750	0.131	0.75	52.92	2.083	J	L
LE 018C 03									22.23	0.875	0.093	0.53	70.15	2.762	J	L
LE 018C 04									25.40	1.000	0.072	0.41	87.35	3.439	K	M
LE 018C 05									28.58	1.125	0.058	0.33	105.55	4.155	K	M
LE 018C 06									31.75	1.250	0.049	0.28	122.46	4.821	K	M
LE 018C 07									34.93	1.375	0.042	0.24	140.76	5.542	K	M
LE 018C 08									38.10	1.500	0.039	0.22	153.55	6.045	L	N
LE 018C 09									44.45	1.750	0.030	0.17	193.86	7.632	L	N
LE 018C 10									50.80	2.000	0.026	0.15	220.13	8.667	L	N
LE 018C 11									57.15	2.250	0.023	0.13	252.53	9.942	M	P
LE 018C 12									63.50	2.500	0.019	0.11	294.41	11.591	M	P
LE 018C 13									69.85	2.750	0.018	0.10	323.85	12.750	M	P
LE 022C 01									6.35	0.250	0.56	0.022	9.34	2.10	0.89	0.20
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	54.40	2.142	J	L								
LE 022C 04	25.40	1.000	0.200	1.14	67.73	2.667	K	M								
LE 022C 05	28.58	1.125	0.165	0.94	79.92	3.146	K	M								
LE 022C 06	31.75	1.250	0.140	0.80	92.08	3.625	K	M								
LE 022C 07	34.93	1.375	0.123	0.70	103.87	4.089	K	M								
LE 022C 08	38.10	1.500	0.105	0.60	118.53	4.667	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	191.21	7.528	M	P								
LE 022C 12	63.50	2.500	0.056	0.32	214.31	8.438	M	P								
LE 022C 13	69.85	2.750	0.049	0.28	242.21	9.536	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	16.08	0.633
LE 026C 001									15.88	0.625	1.331	7.60	24.90	0.980	J	L
LE 026C 00									19.05	0.750	0.841	4.80	33.34	1.313	J	L
LE 026C 0									22.23	0.875	0.613	3.50	41.82	1.646	K	M
LE 026C 01									25.40	1.000	0.490	2.80	49.89	1.964	K	M
LE 026C 02									28.58	1.125	0.403	2.30	58.40	2.299	K	M
LE 026C 03									31.75	1.250	0.333	1.90	67.84	2.671	K	M
LE 026C 04									34.93	1.375	0.298	1.70	75.27	2.963	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	136.89	5.390	M	P
LE 026C 09									63.50	2.500	0.133	0.76	153.74	6.053	M	P
LE 026C 10									69.85	2.750	0.119	0.68	170.70	6.721	M	P
LE 026C 11	76.20	3.000	0.105	0.60	190.50	7.500	N	Q								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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 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	23.15	0.911	J	L
LE 029C 00									19.05	0.750	1.384	7.90	31.11	1.225	J	L
LE 029C 0									22.23	0.875	1.051	6.00	38.11	1.500	K	M
LE 029C 01									25.40	1.000	0.823	4.70	45.67	1.798	K	M
LE 029C 02									28.58	1.125	0.683	3.90	53.00	2.087	K	M
LE 029C 03									31.75	1.250	0.595	3.40	59.76	2.353	K	M
LE 029C 04									34.93	1.375	0.508	2.90	67.77	2.668	K	M
LE 029C 05									38.10	1.500	0.447	2.55	75.45	2.971	L	N
LE 029C 06									44.45	1.750	0.368	2.10	89.81	3.536	L	N
LE 029C 07									50.80	2.000	0.315	1.80	103.72	4.083	L	N
LE 029C 08									57.15	2.250	0.280	1.60	116.68	4.594	M	P
LE 029C 09	63.50	2.500	0.240	1.37	133.03	5.237	M	P								
LE 029C 10	69.85	2.750	0.214	1.22	147.92	5.824	M	P								
LE 029C 11	76.20	3.000	0.193	1.10	162.79	6.409	N	Q								
LE 031C 001			0.79	0.031	23.13	5.20	3.11	0.70	15.88	0.625	3.299	18.84	21.95	0.864	J	L
LE 031C 00									19.05	0.750	2.102	12.00	28.58	1.125	J	L
LE 031C 0									22.23	0.875	1.541	8.80	35.22	1.386	K	M
LE 031C 01									25.40	1.000	1.208	6.90	41.97	1.652	K	M
LE 031C 02									28.58	1.125	0.998	5.70	48.63	1.914	K	M
LE 031C 03									31.75	1.250	0.858	4.90	55.08	2.168	K	M
LE 031C 04									34.93	1.375	0.753	4.30	61.51	2.422	K	M
LE 031C 05									38.10	1.500	0.665	3.80	68.18	2.684	L	N
LE 031C 06									44.45	1.750	0.525	3.00	82.55	3.250	L	N
LE 031C 07									50.80	2.000	0.455	2.60	94.76	3.731	L	N
LE 031C 08									57.15	2.250	0.385	2.20	109.10	4.295	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	135.16	5.321	M	P								
LE 031C 11	76.20	3.000	0.275	1.57	149.00	5.866	N	Q								
LE 034C 001			0.86	0.034	30.25	6.80	3.78	0.85	15.88	0.625	4.974	28.40	21.20	0.835	J	L
LE 034C 00									19.05	0.750	3.117	17.80	27.54	1.084	J	L
LE 034C 0									22.23	0.875	2.364	13.50	33.42	1.316	K	M
LE 034C 01									25.40	1.000	1.891	10.80	39.39	1.551	K	M
LE 034C 02									28.58	1.125	1.594	9.10	45.19	1.779	K	M
LE 034C 03									31.75	1.250	1.384	7.90	50.88	2.003	K	M
LE 034C 04									34.93	1.375	1.173	6.70	57.49	2.263	K	M
LE 034C 05									38.10	1.500	1.068	6.10	62.88	2.475	L	N
LE 034C 06									44.45	1.750	0.858	4.90	75.29	2.964	L	N
LE 034C 07									50.80	2.000	0.736	4.20	86.78	3.417	L	N
LE 034C 08									57.15	2.250	0.630	3.60	99.13	3.903	M	P
LE 034C 09	63.50	2.500	0.560	3.20	110.73	4.359	M	P								
LE 034C 10	69.85	2.750	0.499	2.85	122.88	4.838	M	P								
LE 034C 11	76.20	3.000	0.455	2.60	134.33	5.288	N	Q								
LE 037C 00			0.94	0.037	37.81	8.50	4.45	1.00	15.88	0.625	7.828	44.70	20.14	0.793	J	L
LE 037C 0									19.05	0.750	5.096	29.10	25.60	1.008	J	L
LE 037C 01									25.40	1.000	3.100	17.70	36.16	1.424	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	46.75	1.841	K	M
LE 037C 04									34.93	1.375	1.926	11.00	52.25	2.057	K	M
LE 037C 05									38.10	1.500	1.699	9.70	57.74	2.273	L	N
LE 037C 06									44.45	1.750	1.401	8.00	68.26	2.688	L	N
LE 037C 07									50.80	2.000	1.173	6.70	79.23	3.119	L	N
LE 037C 08									57.15	2.250	1.016	5.80	89.99	3.543	M	P
LE 037C 09									63.50	2.500	0.893	5.10	100.85	3.971	M	P
LE 037C 10									69.85	2.750	0.806	4.60	111.26	4.380	M	P
LE 037C 11									76.20	3.000	0.718	4.10	122.66	4.829	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	144.60	5.693	N	Q								

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 041C 01	6.35	0.250	1.04	0.041	52.05	11.70	4.67	1.05	19.05	0.750	9.037	51.60	24.29	0.956	J	L						
LE 041C 02									25.40	1.000	5.254	30.00	34.42	1.355	K	M						
LE 041C 03									28.58	1.125	4.378	25.00	39.40	1.551	K	M						
LE 041C 04									31.75	1.250	3.765	21.50	44.33	1.745	K	M						
LE 041C 05									34.93	1.375	3.327	19.00	49.17	1.936	K	M						
LE 041C 06									38.10	1.500	2.942	16.80	54.20	2.134	L	N						
LE 041C 07									44.45	1.750	2.417	13.80	64.05	2.522	L	N						
LE 041C 08									50.80	2.000	2.049	11.70	73.92	2.910	L	N						
LE 041C 09									57.15	2.250	1.769	10.10	83.93	3.304	M	P						
LE 041C 10									63.50	2.500	1.559	8.90	93.89	3.697	M	P						
LE 041C 11									69.85	2.750	1.401	8.00	103.66	4.081	M	P						
LE 041C 12									76.20	3.000	1.270	7.25	113.51	4.469	N	Q						
LE 041C 13									88.90	3.500	1.068	6.10	133.25	5.246	N	Q						
LE 030CD 01	7.94	0.313	0.76	0.030	17.79	4.00	1.78	0.40	25.40	1.000	0.613	3.50	51.53	2.029	K	M						
LE 030CD 02									28.58	1.125	0.473	2.70	62.45	2.458	K	M						
LE 030CD 03									31.75	1.250	0.403	2.30	71.51	2.815	K	M						
LE 030CD 04									34.93	1.375	0.333	1.90	83.06	3.270	K	M						
LE 030CD 05									38.10	1.500	0.298	1.70	91.89	3.618	L	N						
LE 030CD 06									44.45	1.750	0.228	1.30	114.79	4.519	L	N						
LE 030CD 07									50.80	2.000	0.193	1.10	133.93	5.273	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	173.67	6.837	M	P						
LE 037CD 01									0.94	0.037	31.14	7.00	3.69	0.83	25.40	1.000	1.576	9.00	42.81	1.686	K	M
LE 037CD 02															28.58	1.125	1.226	7.00	50.97	2.006	K	M
LE 037CD 03															31.75	1.250	1.051	6.00	57.87	2.278	K	M
LE 037CD 04															34.93	1.375	0.911	5.20	65.07	2.562	K	M
LE 037CD 05	38.10	1.500	0.806	4.60	72.17	2.841	L	N														
LE 037CD 06	44.45	1.750	0.630	3.60	87.98	3.464	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	117.43	4.623	M	P														
LE 037CD 09	63.50	2.500	0.420	2.40	128.80	5.071	M	P														
LE 037CD 10	69.85	2.750	0.368	2.10	144.48	5.688	M	P														
LE 037CD 11	76.20	3.000	0.333	1.90	158.68	6.247	N	Q														
LE 043CD 01	1.09	0.043	45.82	10.30	5.78	1.30	25.40	1.000							3.928	22.43	35.59	1.401	K	M		
LE 043CD 02							28.58	1.125							3.149	17.98	41.29	1.624	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	52.69	2.074	K	M								
LE 043CD 05							38.10	1.500	1.974	11.27	58.38	2.299	L	N								
LE 043CD 06							44.45	1.750	1.581	9.03	69.77	2.747	L	N								
LE 043CD 07							50.80	2.000	1.319	7.53	81.16	3.195	L	N								
LE 043CD 08							57.15	2.250	1.131	6.46	92.54	3.643	M	P								
LE 043CD 09							63.50	2.500	0.989	5.65	103.96	4.093	M	P								
LE 043CD 10							69.85	2.750	0.879	5.02	115.39	4.543	M	P								
LE 043CD 11							76.20	3.000	0.792	4.52	126.78	4.991	N	Q								
LE 049CD 01							1.24	0.049	66.72	15.00	8.01	1.80	25.40	1.000	6.305	36.00	34.71	1.367	K	M		
LE 049CD 02													28.58	1.125	5.254	30.00	39.76	1.565	K	M		
LE 049CD 03	31.75	1.250	4.553	26.00	44.65	1.758							K	M								
LE 049CD 04	34.93	1.375	4.028	23.00	49.51	1.949							K	M								
LE 049CD 05	38.10	1.500	3.678	21.00	54.07	2.129							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	74.75	2.943							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	113.45	4.467							N	Q								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless								
LE 055CD 01	7.94	0.313	1.40	0.055	93.41	21.00	13.34	3.00	25.40	1.000	14.397	82.21	30.96	1.219	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	44.35	1.746	M	P								
LE 055CD 05									38.10	1.500	7.482	42.72	48.80	1.921	N	Q								
LE 055CD 06									44.45	1.750	6.033	34.45	57.72	2.272	N	Q								
LE 055CD 07									50.80	2.000	5.053	28.85	66.65	2.624	N	Q								
LE 055CD 08									57.15	2.250	4.348	24.83	75.56	2.975	P	R								
LE 055CD 09									63.50	2.500	3.816	21.79	84.48	3.326	P	R								
LE 055CD 10									69.85	2.750	3.399	19.41	93.40	3.677	P	R								
LE 055CD 11									76.20	3.000	3.065	17.50	102.33	4.029	Q	S								
LEM 075CD 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	51.25	2.018	K	M								
LEM 075CD 02									30.00	1.181	0.396	2.26	67.99	2.677	K	M								
LEM 075CD 03									35.00	1.378	0.303	1.73	84.63	3.332	K	M								
LEM 075CD 04									40.00	1.575	0.245	1.40	101.32	3.989	L	N								
LEM 075CD 05									45.00	1.772	0.207	1.18	117.76	4.636	L	N								
LEM 075CD 06									50.00	1.969	0.177	1.01	135.00	5.316	L	N								
LEM 075CD 07									55.00	2.165	0.156	0.89	151.46	5.963	M	P								
LEM 075CD 08									60.00	2.362	0.138	0.79	168.67	6.640	M	P								
LEM 075CD 09									65.00	2.559	0.126	0.72	184.24	7.253	M	P								
LEM 095D 01									9.50	0.374	0.95	0.037	26.00	5.84	3.15	0.71	19.00	0.748	4.492	25.65	24.08	0.948	J	L
LEM 095D 02																	22.00	0.866	2.187	12.49	32.43	1.277	J	L
LEM 095D 03	25.00	0.984	1.447	8.26	40.78	1.605	K	M																
LEM 095D 04	30.00	1.181	0.925	5.28	54.68	2.153	K	M																
LEM 095D 05	35.00	1.378	0.680	3.88	68.58	2.700	K	M																
LEM 095D 06	40.00	1.575	0.536	3.06	82.58	3.251	L	N																
LEM 095D 07	45.00	1.772	0.443	2.53	96.50	3.800	L	N																
LEM 095D 08	50.00	1.969	0.378	2.16	110.33	4.344	L	N																
LEM 095D 09	55.00	2.165	0.329	1.88	124.31	4.894	M	P																
LEM 095D 10	60.00	2.362	0.292	1.67	138.03	5.434	M	P																
LEM 095D 11	65.00	2.559	0.263	1.50	151.87	5.979	M	P																
LEM 095D 12	70.00	2.756	0.238	1.36	165.81	6.528	N	Q																
LEM 120D 01	9.50	0.374	1.20	0.047	54.00	12.14	6.85	1.54	25.00	0.984	4.686	26.76	35.06	1.380	L	N								
LEM 120D 02									30.00	1.181	3.082	17.60	45.30	1.783	M	P								
LEM 120D 03									35.00	1.378	2.296	13.11	55.54	2.187	M	P								
LEM 120D 04									40.00	1.575	1.828	10.44	65.79	2.590	N	Q								
LEM 120D 05									45.00	1.772	1.520	8.68	76.02	2.993	N	Q								
LEM 120D 06									50.00	1.969	1.301	7.43	86.24	3.396	P	R								
LEM 120D 07			55.00	2.165	1.137	6.49	96.49	3.798	P	R														
LEM 120D 08			60.00	2.362	1.009	5.76	106.74	4.202	P	R														
LEM 120D 09			70.00	2.756	0.825	4.71	127.16	5.007	Q	S														
LEM 120D 10			80.00	3.150	0.697	3.98	147.65	5.813	Q	S														
LEM 120D 11			90.00	3.543	0.602	3.44	168.27	6.624	Q	S														
LEM 120D 12			100.00	3.937	0.532	3.04	188.57	7.424	R	T														
LEM 120D 13			115.00	4.528	0.452	2.58	219.36	8.637	R	T														
LEM 150D 01	9.50	0.374	1.50	0.059	98.00	22.05	14.70	3.30	25.00	0.984	14.604	83.39	30.71	1.209	P	R								
LEM 150D 02									30.00	1.181	9.893	56.49	38.43	1.513	P	R								
LEM 150D 03									35.00	1.378	7.480	42.71	46.15	1.817	Q	S								
LEM 150D 04									40.00	1.575	6.014	34.34	53.87	2.121	Q	S								
LEM 150D 05									45.00	1.772	5.028	28.71	61.59	2.425	Q	S								
LEM 150D 06									50.00	1.969	4.320	24.67	69.30	2.729	R	T								
LEM 150D 07									55.00	2.165	3.786	21.62	77.03	3.032	R	T								
LEM 150D 08									60.00	2.362	3.370	19.24	84.75	3.337	R	T								
LEM 150D 09									70.00	2.756	2.764	15.78	100.18	3.944	R	T								
LEM 150D 10									80.00	3.150	2.341	13.37	115.62	4.552	S	U								

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 026D 01	9.52	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	86.01	3.386	K	M
LE 026D 03									31.75	1.250	0.126	0.72	105.13	4.139	K	M
LE 026D 04									34.93	1.375	0.105	0.60	122.98	4.842	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	179.92	7.083	L	N
LE 031D 0			0.79	0.031	15.12	3.40	1.33	0.30	22.23	0.875	0.851	4.86	38.43	1.513	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	62.81	2.473	K	M
LE 031D 03									31.75	1.250	0.315	1.80	75.49	2.972	K	M
LE 031D 04									34.93	1.375	0.263	1.50	87.42	3.442	K	M
LE 031D 05	38.10	1.500							0.228	1.30	98.67	3.885	L	N		
LE 031D 06	44.45	1.750			0.168	0.96	126.47	4.979	L	N						
LE 031D 07	50.80	2.000			0.137	0.78	151.75	5.974	L	N						
LE 031D 08	57.15	2.250			0.116	0.66	176.45	6.947	M	P						
LE 031D 09	63.50	2.500			0.100	0.57	201.64	7.939	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	251.18	9.889	N	Q								
LE 034D 01	0.86	0.034	20.46	4.60	2.22	0.50	25.40	1.000	0.841	4.80	47.10	1.854	J	L		
LE 034D 02							28.58	1.125	0.630	3.60	57.51	2.264	K	M		
LE 034D 03							31.75	1.250	0.490	2.80	68.94	2.714	K	M		
LE 034D 04							34.93	1.375	0.420	2.40	78.32	3.083	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	109.54	4.313	L	N		
LE 034D 07			50.80	2.000	0.228	1.30	130.91	5.154	M	P						
LE 037D 0			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	42.22	1.662	J	L
LE 037D 02									28.58	1.125	0.981	5.60	51.71	2.036	K	M
LE 037D 03									31.75	1.250	0.771	4.40	61.19	2.409	K	M
LE 037D 04	34.93	1.375							0.648	3.70	69.94	2.753	K	M		
LE 037D 05	38.10	1.500							0.560	3.20	78.58	3.094	L	N		
LE 037D 06	44.45	1.750			0.420	2.40	98.43	3.875	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	156.03	6.143	M	P						
LE 037D 10	69.85	2.750			0.221	1.26	172.66	6.798	M	P						
LE 037D 11	76.20	3.000	0.200	1.14	189.83	7.474	N	Q								
LE 039D 01	0.99	0.039	30.25	6.80	3.56	0.80	25.40	1.000	1.681	9.60	41.28	1.625	J	L		
LE 039D 02							28.58	1.125	1.226	7.00	50.35	1.982	K	M		
LE 039D 03							31.75	1.250	0.998	5.70	58.49	2.303	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	75.27	2.963	L	N		
LE 039D 06							44.45	1.750	0.560	3.20	92.08	3.625	L	N		
LE 039D 07			50.80	2.000	0.455	2.60	109.42	4.308	M	P						
LE 039D 08			57.15	2.250	0.385	2.20	126.42	4.977	M	P						
LE 039D 09			63.50	2.500	0.333	1.90	143.71	5.658	M	P						
LE 039D 10			69.85	2.750	0.296	1.69	160.03	6.300	M	P						
LE 039D 11			76.20	3.000	0.264	1.51	177.13	6.974	N	Q						



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LE 041D 0	9.52	0.375	1.04	0.041	34.70	7.80	4.00	0.90	19.05	0.750	6.655	38.00	23.66	0.932	L	P
LE 041D 01									25.40	1.000	2.224	12.70	39.20	1.543	L	P
LE 041D 02									28.58	1.125	1.664	9.50	47.03	1.851	M	Q
LE 041D 03									31.75	1.250	1.331	7.60	54.81	2.158	M	Q
LE 041D 04									34.93	1.375	1.121	6.40	62.31	2.453	M	Q
LE 041D 05									38.10	1.500	0.963	5.50	69.97	2.755	N	R
LE 041D 06									44.45	1.750	0.736	4.20	86.18	3.393	N	R
LE 041D 07									50.80	2.000	0.595	3.40	102.35	4.029	N	R
LE 041D 08									57.15	2.250	0.508	2.90	117.58	4.629	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	149.88	5.901	P	S
LE 041D 11									76.20	3.000	0.343	1.96	165.62	6.520	Q	T
LE 041D 12									88.90	3.500	0.285	1.63	196.42	7.733	Q	T
LE 041D 13									101.60	4.000	0.242	1.38	228.60	9.000	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	290.79	11.449	R	U								
LE 045D 0	9.52	0.375	1.14	0.045	44.48	10.00	5.34	1.20	19.05	0.750	9.982	57.00	22.97	0.904	L	P
LE 045D 01									25.40	1.000	3.538	20.20	36.47	1.436	L	P
LE 045D 02									28.58	1.125	2.732	15.60	42.91	1.689	M	Q
LE 045D 03									31.75	1.250	2.137	12.20	50.07	1.971	M	Q
LE 045D 04									34.93	1.375	1.769	10.10	57.06	2.246	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	74.25	2.923	N	R
LE 045D 07									50.80	2.000	0.981	5.60	90.71	3.571	N	R
LE 045D 08									57.15	2.250	0.841	4.80	103.72	4.083	P	S
LE 045D 09									63.50	2.500	0.718	4.10	118.02	4.646	P	S
LE 045D 10									69.85	2.750	0.630	3.60	131.94	5.194	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	174.87	6.885	Q	T
LE 045D 13									101.60	4.000	0.394	2.25	200.94	7.911	R	U
LE 045D 14									114.30	4.500	0.347	1.98	227.19	8.944	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	281.17	11.070	S	V
LE 045D 17	152.40	6.000	0.251	1.43	308.71	12.154	S	V								
LE 049D 01	9.52	0.375	1.24	0.049	57.83	13.00	6.67	1.50	25.40	1.000	5.254	30.00	35.14	1.383	L	P
LE 049D 02									28.58	1.125	4.151	23.70	40.90	1.610	M	Q
LE 049D 03									31.75	1.250	3.327	19.00	47.12	1.855	M	Q
LE 049D 04									34.93	1.375	2.802	16.00	53.19	2.094	M	Q
LE 049D 05									38.10	1.500	2.434	13.90	59.11	2.327	N	R
LE 049D 06									44.45	1.750	1.891	10.80	71.50	2.815	N	R
LE 049D 07									50.80	2.000	1.576	9.00	83.26	3.278	N	R
LE 049D 08									57.15	2.250	1.313	7.50	96.10	3.783	P	S
LE 049D 09									63.50	2.500	1.121	6.40	109.14	4.297	P	S
LE 049D 10									69.85	2.750	1.016	5.80	120.21	4.733	P	S
LE 049D 11									76.20	3.000	0.911	5.20	132.37	5.212	Q	T
LE 049D 12									88.90	3.500	0.736	4.20	158.45	6.238	Q	T
LE 049D 13									101.60	4.000	0.630	3.60	182.74	7.194	R	U
LE 049D 14									114.30	4.500	0.560	3.20	205.58	8.094	R	U
LE 049D 15									127.00	5.000	0.485	2.77	232.45	9.152	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

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LE 052D 01	9.52	0.375	1.32	0.052	68.95	15.50	7.78	1.75	25.40	1.000	7.128	40.70	33.98	1.338	N	R
LE 052D 02									28.58	1.125	5.429	31.00	39.85	1.569	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	51.02	2.009	P	S
LE 052D 05									38.10	1.500	3.257	18.60	56.88	2.239	Q	T
LE 052D 06									44.45	1.750	2.539	14.50	68.54	2.698	Q	T
LE 052D 07									50.80	2.000	2.294	13.10	77.46	3.050	R	U
LE 052D 08									57.15	2.250	1.786	10.20	91.39	3.598	R	U
LE 052D 09									63.50	2.500	1.541	8.80	103.19	4.063	R	U
LE 052D 10									69.85	2.750	1.366	7.80	114.63	4.513	R	U
LE 052D 11									76.20	3.000	1.226	7.00	126.09	4.964	S	V
LE 055D 0	1.40	0.055	77.85	17.50	8.90	2.00	25.40	1.000	9.772	55.80	32.46	1.278	N	R		
LE 055D 01							31.75	1.250	6.095	34.80	43.06	1.695	P	S		
LE 055D 02							34.93	1.375	5.219	29.80	48.14	1.895	P	S		
LE 055D 03							38.10	1.500	4.448	25.40	53.60	2.110	Q	T		
LE 055D 04							44.45	1.750	3.485	19.90	64.23	2.529	Q	T		
LE 055D 05							50.80	2.000	2.872	16.40	74.81	2.945	Q	T		
LE 055D 06							57.15	2.250	2.434	13.90	85.47	3.365	R	U		
LE 055D 07							63.50	2.500	2.084	11.90	96.58	3.803	R	U		
LE 055D 08							69.85	2.750	1.856	10.60	106.99	4.212	R	U		
LE 055D 09							76.20	3.000	1.664	9.50	117.64	4.632	S	V		
LE 055D 10							88.90	3.500	1.384	7.90	138.74	5.462	S	V		
LE 055D 11							101.60	4.000	1.191	6.80	159.50	6.279	T	W		
LE 055D 12							114.30	4.500	1.033	5.90	181.03	7.127	T	W		
LE 055D 13							127.00	5.000	0.928	5.30	201.28	7.925	U	X		
LE 055D 14							139.70	5.500	0.820	4.68	223.82	8.812	U	X		
LE 055D 15	152.40	6.000	0.741	4.23	245.47	9.664	V	Y								
LE 058D 01	1.47	0.058	88.97	20.00	11.12	2.50	25.40	1.000	12.452	71.10	31.65	1.246	N	R		
LE 058D 02							28.58	1.125	9.825	56.10	36.50	1.437	P	S		
LE 058D 03							31.75	1.250	7.776	44.40	41.76	1.644	P	S		
LE 058D 04							34.93	1.375	6.672	38.10	46.60	1.834	P	S		
LE 058D 05							38.10	1.500	5.832	33.30	51.45	2.026	Q	T		
LE 058D 06							44.45	1.750	4.553	26.00	61.55	2.423	Q	T		
LE 058D 07							50.80	2.000	3.818	21.80	71.19	2.803	Q	T		
LE 058D 08							57.15	2.250	3.222	18.40	81.31	3.201	R	U		
LE 058D 09							63.50	2.500	2.785	15.90	91.46	3.601	R	U		
LE 058D 10							69.85	2.750	2.487	14.20	101.15	3.982	R	U		
LE 058D 11							76.20	3.000	2.224	12.70	111.20	4.378	S	V		
LE 058D 12							88.90	3.500	1.852	10.57	130.95	5.156	S	V		
LE 058D 13							101.60	4.000	1.582	9.03	150.82	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	1.225	6.99	190.59	7.504	U	X		
LE 058D 16							139.70	5.500	1.100	6.28	210.48	8.287	U	X		
LE 058D 17							152.40	6.000	0.999	5.70	230.38	9.070	V	Y		
LE 037DD 01	10.67	0.420	0.94	0.037	21.50	4.83	2.23	0.50	25.40	1.000	1.542	8.80	37.90	1.492	L	N
LE 037DD 02									28.58	1.125	0.964	5.50	48.58	1.912	L	N
LE 037DD 03									31.75	1.250	0.683	3.90	59.95	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	102.34	4.029	M	P
LE 037DD 07									50.80	2.000	0.263	1.50	124.12	4.887	N	Q
LE 037DD 08									57.15	2.250	0.210	1.20	148.80	5.858	N	Q
LE 037DD 09									63.50	2.500	0.175	1.00	173.48	6.830	N	Q
LE 037DD 10									69.85	2.750	0.158	0.90	192.05	7.561	P	R
LE 037DD 11									76.20	3.000	0.140	0.80	213.68	8.413	P	R



EXTENSION SPRINGS

● Full Loops, Random Position

● 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	Music Wire	302 Stainless
LE 055DD 01	10.67	0.420	1.40	0.055	71.70	16.11	6.23	1.40	25.40	1.000	9.916	56.60	32.00	1.260	N	R
LE 055DD 02									28.58	1.125	6.797	38.80	38.21	1.504	N	R
LE 055DD 03									31.75	1.250	5.080	29.00	44.63	1.757	P	S
LE 055DD 04									34.93	1.375	4.117	23.50	50.83	2.001	P	S
LE 055DD 05									38.10	1.500	3.416	19.50	57.26	2.254	Q	T
LE 055DD 06									44.45	1.750	2.575	14.70	69.87	2.751	Q	T
LE 055DD 07									50.80	2.000	2.067	11.80	82.46	3.247	Q	T
LE 055DD 08									57.15	2.250	1.717	9.80	95.28	3.751	R	U
LE 055DD 09									63.50	2.500	1.472	8.40	107.98	4.251	R	U
LE 055DD 10									69.85	2.750	1.296	7.40	120.34	4.738	R	U
LE 055DD 11									76.20	3.000	1.156	6.60	132.81	5.229	S	V
LE 037DE 01	11.11	0.438	0.94	0.037	24.47	5.50	2.45	0.55	25.40	1.000	0.665	3.80	58.49	2.303	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	84.14	3.313	M	P
LE 037DE 04									34.93	1.375	0.350	2.00	97.80	3.850	M	P
LE 037DE 05									38.10	1.500	0.306	1.75	109.95	4.329	N	Q
LE 037DE 06									44.45	1.750	0.245	1.40	134.26	5.286	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	186.77	7.353	P	R
LE 037DE 09									63.50	2.500	0.149	0.85	211.42	8.324	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
LE 046DE 01	11.11	0.438	1.17	0.046	44.48	10.00	4.45	1.00	25.40	1.000	3.275	18.70	37.62	1.481	N	R
LE 046DE 02									28.58	1.125	2.312	13.20	45.90	1.807	P	S
LE 046DE 03									31.75	1.250	1.708	9.75	55.20	2.173	P	S
LE 046DE 04									34.93	1.375	1.401	8.00	63.51	2.500	P	S
LE 046DE 05									38.10	1.500	1.191	6.80	71.72	2.824	Q	T
LE 046DE 06									44.45	1.750	0.893	5.10	89.27	3.515	Q	T
LE 046DE 07									50.80	2.000	0.718	4.10	106.56	4.195	Q	T
LE 046DE 08									57.15	2.250	0.595	3.40	124.39	4.897	R	U
LE 046DE 09									63.50	2.500	0.508	2.90	142.33	5.603	R	U
LE 046DE 10									69.85	2.750	0.447	2.55	159.50	6.279	R	U
LE 046DE 11									76.20	3.000	0.394	2.25	177.80	7.000	S	V
LE 055DE 01	11.11	0.438	1.40	0.055	66.72	15.00	6.67	1.50	25.40	1.000	5.079	29.00	37.22	1.466	N	R
LE 055DE 02									28.58	1.125	3.940	22.50	43.82	1.725	P	S
LE 055DE 03									31.75	1.250	3.327	19.00	49.80	1.961	P	S
LE 055DE 04									34.93	1.375	2.802	16.00	56.36	2.219	P	S
LE 055DE 05									38.10	1.500	2.452	14.00	62.59	2.464	Q	T
LE 055DE 06									44.45	1.750	1.926	11.00	75.62	2.977	Q	T
LE 055DE 07									50.80	2.000	1.629	9.30	87.67	3.452	Q	T
LE 055DE 08									57.15	2.250	1.401	8.00	100.01	3.938	R	U
LE 055DE 09									63.50	2.500	1.191	6.80	113.93	4.485	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
LEM 120E 01	12.50	0.492	1.20	0.047	39.20	8.82	3.90	0.88	30.00	1.181	2.074	11.84	47.03	1.852	M	Q
LEM 120E 02									40.00	1.575	0.958	5.47	76.87	3.027	N	R
LEM 120E 03									50.00	1.969	0.623	3.56	106.65	4.199	N	R
LEM 120E 04									55.00	2.165	0.531	3.03	121.56	4.785	P	S
LEM 120E 05									60.00	2.362	0.462	2.64	136.39	5.370	P	S
LEM 120E 06									65.00	2.559	0.410	2.34	151.19	5.952	P	S
LEM 120E 07									70.00	2.756	0.366	2.09	166.50	6.555	Q	T
LEM 120E 08									80.00	3.150	0.305	1.74	195.91	7.713	Q	T
LEM 120E 09									90.00	3.543	0.259	1.48	226.27	8.908	Q	T
LEM 120E 10									100.00	3.937	0.228	1.30	255.14	10.045	R	U

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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
LEM 160E 01	12.50	0.492	1.60	0.063	88.25	19.84	11.80	2.65	30.00	1.181	8.543	48.78	38.95	1.533	P	S
LEM 160E 02									35.00	1.378	5.657	32.30	48.52	1.910	P	S
LEM 160E 03									40.00	1.575	4.228	24.14	58.09	2.287	Q	T
LEM 160E 04									45.00	1.772	3.377	19.28	67.65	2.664	Q	T
LEM 160E 05									50.00	1.969	2.809	16.04	77.22	3.041	Q	T
LEM 160E 06									55.00	2.165	2.406	13.74	86.78	3.416	R	U
LEM 160E 07									60.00	2.362	2.103	12.01	96.36	3.793	R	U
LEM 160E 08									65.00	2.559	1.869	10.67	105.92	4.170	R	U
LEM 160E 09									70.00	2.756	1.681	9.60	115.48	4.547	S	V
LEM 160E 10									80.00	3.150	1.399	7.99	134.65	5.301	S	V
LEM 160E 11									90.00	3.543	1.200	6.85	153.74	6.052	S	V
LEM 160E 12									100.00	3.937	1.049	5.99	172.89	6.807	T	W
LEM 160E 13									115.00	4.528	0.883	5.04	201.63	7.939	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	76.10	2.996	M	P
LE 034E 02									34.93	1.375	0.249	1.42	93.96	3.699	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	150.55	5.927	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
LE 037E 01			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	79.96	3.148	M	P
LE 037E 03									38.10	1.500	0.298	1.70	96.37	3.794	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	160.87	6.333	P	R
LE 037E 06									57.15	2.250	0.135	0.77	185.80	7.315	P	R
LE 037E 07									63.50	2.500	0.123	0.70	205.01	8.071	P	S
LE 037E 08	69.85	2.750							0.105	0.60	234.95	9.250	Q	T		
LE 037E 09	76.20	3.000							0.088	0.50	274.32	10.800	Q	T		
LE 037E 10	88.90	3.500							0.070	0.40	336.55	13.250	Q	T		
LE 037E 11	101.60	4.000							0.053	0.30	431.80	17.000	R	U		
LE 037E 12	114.30	4.500							0.053	0.30	444.50	17.500	R	U		
LE 037E 13	127.00	5.000							0.035	0.20	622.30	24.500	S	V		
LE 041E 01	1.04	0.041	25.80	5.80	2.22	0.50	31.75	1.250	0.858	4.90	59.22	2.332	M	Q		
LE 041E 02							34.93	1.375	0.648	3.70	71.31	2.807	M	Q		
LE 041E 03							38.10	1.500	0.508	2.90	84.52	3.328	N	R		
LE 041E 04							44.45	1.750	0.368	2.10	108.55	4.274	N	R		
LE 041E 05							50.80	2.000	0.280	1.60	134.94	5.313	P	S		
LE 041E 06							57.15	2.250	0.228	1.30	160.70	6.327	P	S		
LE 041E 07							63.50	2.500	0.194	1.11	184.78	7.275	Q	T		
LE 041E 08							69.85	2.750	0.168	0.96	210.08	8.271	Q	T		
LE 041E 09							76.20	3.000	0.140	0.80	244.48	9.625	Q	T		
LE 041E 10							88.90	3.500	0.123	0.70	281.21	11.071	Q	T		
LE 041E 11							101.60	4.000	0.105	0.60	325.97	12.831	R	U		
LE 041E 12							114.30	4.500	0.088	0.50	383.54	15.100	R	U		
LE 041E 13							127.00	5.000	0.070	0.40	463.55	18.250	S	V		
LE 045E 00	1.14	0.045	33.36	7.50	3.11	0.70	25.40	1.000	3.818	21.80	33.32	1.312	M	Q		
LE 045E 0							31.75	1.250	1.349	7.70	54.18	2.133	M	Q		
LE 045E 01							34.93	1.375	0.998	5.70	65.23	2.568	M	Q		
LE 045E 02							38.10	1.500	0.823	4.70	74.85	2.947	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	117.23	4.615	P	S		
LE 045E 05							57.15	2.250	0.368	2.10	139.40	5.488	P	S		
LE 045E 06							63.50	2.500	0.315	1.80	159.46	6.278	P	S		
LE 045E 07							69.85	2.750	0.271	1.55	181.28	7.137	Q	T		
LE 045E 08							76.20	3.000	0.240	1.37	202.27	7.964	Q	T		
LE 045E 09							88.90	3.500	0.193	1.10	245.92	9.682	Q	T		
LE 045E 10							101.60	4.000	0.158	0.90	293.51	11.556	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	373.74	14.714	S	V								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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 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	51.38	2.023	M	Q
LE 049E 02									38.10	1.500	1.271	7.26	70.01	2.756	N	R
LE 049E 03									44.45	1.750	0.918	5.24	88.66	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	127.35	5.014	P	S
LE 049E 06									63.50	2.500	0.490	2.80	146.23	5.757	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	184.45	7.262	Q	T
LE 049E 09									88.90	3.500	0.306	1.75	221.27	8.711	Q	T
LE 049E 10									101.60	4.000	0.257	1.47	259.18	10.204	R	U
LE 055E 0	1.40	0.055	58.72	13.20	5.78	1.30	31.75	1.250	3.615	20.64	46.39	1.827	P	S		
LE 055E 01							34.93	1.375	2.732	15.60	54.31	2.138	P	S		
LE 055E 02							38.10	1.500	2.277	13.00	61.35	2.415	Q	T		
LE 055E 03							44.45	1.750	1.646	9.40	76.61	3.016	Q	T		
LE 055E 04							50.80	2.000	1.296	7.40	91.65	3.608	Q	T		
LE 055E 05							57.15	2.250	1.068	6.10	106.70	4.201	R	U		
LE 055E 06							63.50	2.500	0.911	5.20	121.63	4.788	R	U		
LE 055E 07							69.85	2.750	0.788	4.50	137.02	5.394	R	U		
LE 055E 08							76.20	3.000	0.683	3.90	153.70	6.051	S	V		
LE 055E 09							88.90	3.500	0.560	3.20	183.36	7.219	S	V		
LE 055E 10							101.60	4.000	0.473	2.70	213.55	8.407	T	W		
LE 055E 11							114.30	4.500	0.403	2.30	245.72	9.674	U	X		
LE 055E 12	127.00	5.000	0.363	2.07	273.02	10.749	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	42.38	1.668	P	S		
LE 063E 01							34.93	1.375	5.499	31.40	48.68	1.916	P	S		
LE 063E 02							38.10	1.500	4.501	25.70	54.90	2.161	P	S		
LE 063E 03							44.45	1.750	3.310	18.90	67.30	2.649	Q	T		
LE 063E 04							50.80	2.000	2.609	14.90	79.78	3.141	Q	T		
LE 063E 05							57.15	2.250	2.154	12.30	92.26	3.632	Q	T		
LE 063E 06							63.50	2.500	1.874	10.70	103.86	4.089	R	U		
LE 063E 07							69.85	2.750	1.594	9.10	117.30	4.618	R	U		
LE 063E 08							76.20	3.000	1.436	8.20	128.86	5.073	S	V		
LE 063E 09							88.90	3.500	1.173	6.70	153.35	6.037	S	V		
LE 063E 10							101.60	4.000	0.981	5.60	178.71	7.036	T	W		
LE 063E 11							114.30	4.500	0.841	4.80	204.26	8.042	U	X		
LE 063E 12	127.00	5.000	0.753	4.30	227.42	8.953	U	X								
LE 067E 01	1.70	0.067	106.76	24.00	15.58	3.50	31.75	1.250	9.685	55.30	41.17	1.621	P	S		
LE 067E 02							38.10	1.500	6.235	35.60	52.73	2.076	P	S		
LE 067E 03							44.45	1.750	4.588	26.20	64.32	2.532	Q	T		
LE 067E 04							50.80	2.000	3.643	20.80	75.83	2.986	Q	T		
LE 067E 05							57.15	2.250	3.012	17.20	87.42	3.442	R	U		
LE 067E 06							63.50	2.500	2.574	14.70	98.92	3.895	R	U		
LE 067E 07							69.85	2.750	2.242	12.80	110.53	4.352	S	V		
LE 067E 08							76.20	3.000	1.979	11.30	122.28	4.814	S	V		
LE 067E 09							88.90	3.500	1.611	9.20	145.50	5.728	T	W		
LE 067E 10							101.60	4.000	1.366	7.80	168.36	6.628	U	X		
LE 067E 11							114.30	4.500	1.173	6.70	192.02	7.560	V	Y		
LE 067E 12							127.00	5.000	1.033	5.90	215.25	8.475	W	Z		
LE 075E 01	1.91	0.075	155.68	35.00	22.24	5.00	31.75	1.250	17.096	97.62	39.56	1.557	R	U		
LE 075E 02							38.10	1.500	11.201	63.96	50.01	1.969	R	U		
LE 075E 03							44.45	1.750	8.329	47.56	60.47	2.381	S	V		
LE 075E 04							50.80	2.000	6.629	37.85	70.93	2.793	S	V		
LE 075E 05							57.15	2.250	5.506	31.44	81.39	3.204	T	W		
LE 075E 06							63.50	2.500	4.693	26.80	91.93	3.619	T	W		
LE 075E 07							69.85	2.750	4.112	23.48	102.30	4.028	U	X		
LE 075E 08							76.20	3.000	3.650	20.84	112.76	4.400	U	X		
LE 075E 09							88.90	3.500	2.981	17.02	133.67	5.263	V	Y		
LE 075E 10							101.60	4.000	2.518	14.38	154.59	6.086	W	Z		
LE 075E 11							114.30	4.500	2.180	12.45	175.50	6.910	X	BA		
LE 075E 12							127.00	5.000	1.921	10.97	196.46	7.735	Y	BB		

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 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	62.67	2.467	N	R		
LE 055F 0									44.45	1.750	1.074	6.13	83.81	3.300	N	R		
LE 055F 01									50.80	2.000	0.788	4.50	104.42	4.111	P	S		
LE 055F 02									57.15	2.250	0.613	3.50	126.09	4.964	P	S		
LE 055F 03									63.50	2.500	0.508	2.90	146.71	5.776	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	191.10	7.524	R	U		
LE 055F 06			88.90	3.500	0.298	1.70	230.84	9.088	S	V								
LE 055F 07			101.60	4.000	0.245	1.40	273.96	10.786	T	W								
LE 063F 01			19.00	0.748	1.60	0.063	66.72	15.00	6.67	1.50	50.80	2.000	1.559	8.90	89.33	3.517	R	U
LE 063F 02											57.15	2.250	1.173	6.70	108.33	4.265	R	U
LE 063F 03											63.50	2.500	1.016	5.80	122.62	4.828	S	V
LE 063F 04											69.85	2.750	0.858	4.90	139.83	5.505	S	V
LE 063F 05											76.20	3.000	0.753	4.30	155.94	6.140	T	W
LE 063F 06	88.90	3.500									0.595	3.40	189.75	7.471	U	X		
LE 063F 07	101.60	4.000									0.508	2.90	219.84	8.655	V	Y		
LE 063F 08	114.30	4.500			0.420	2.40	257.18	10.125	W	Z								
LE 063F 09	127.00	5.000			0.373	2.13	287.99	11.338	X	BA								
LE 069F 01	19.05	0.750			1.75	0.069	84.52	19.00	8.90	2.00	50.80	2.000	2.469	14.10	81.42	3.206	R	U
LE 069F 02											57.15	2.250	1.979	11.30	95.36	3.754	R	U
LE 069F 03											63.50	2.500	1.646	9.40	109.44	4.309	S	V
LE 069F 04											69.85	2.750	1.419	8.10	123.16	4.849	S	V
LE 069F 05											76.20	3.000	1.243	7.10	137.02	5.394	T	W
LE 069F 06			88.90	3.500							0.981	5.60	166.01	6.536	U	X		
LE 069F 07			101.60	4.000							0.806	4.60	195.47	7.696	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	251.44	9.899	X	BA								
LEM 160G 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	117.17	4.613	R	V
LE 049G 02											57.15	2.250	0.263	1.50	158.92	6.257	R	V
LE 049G 03											63.50	2.500	0.210	1.20	190.71	7.508	R	V
LE 049G 04											69.85	2.750	0.158	0.90	239.47	9.428	S	X
LE 049G 05											76.20	3.000	0.140	0.80	267.02	10.513	S	X
LE 049G 06	82.55	3.250									0.123	0.70	300.63	11.836	T	Z		
LE 049G 07	88.90	3.500									0.105	0.60	343.32	13.517	T	Z		
LE 055G 01	1.40	0.055			39.15	8.80	3.56	0.80	50.80	2.000	0.595	3.40	110.56	4.353	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	221.34	8.714	S	X		
LE 055G 06									88.90	3.500	0.175	1.00	292.10	11.500	T	Z		



EXTENSION SPRINGS

● Full Loops, Random Position

● 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 063G 01	19.05	0.750	1.60	0.063	56.94	12.80	5.34	1.20	50.80	2.000	1.156	6.60	95.44	3.758	R	V
LE 063G 02									57.15	2.250	0.858	4.90	117.28	4.617	R	V
LE 063G 03									63.50	2.500	0.665	3.80	141.04	5.553	S	W
LE 063G 04									69.85	2.750	0.560	3.20	161.93	6.375	S	W
LE 063G 05									76.20	3.000	0.473	2.70	185.33	7.296	T	Y
LE 063G 06									88.90	3.500	0.368	2.10	229.20	9.024	T	Y
LE 063G 07									101.60	4.000	0.298	1.70	274.92	10.824	U	Z
LE 063G 08									114.30	4.500	0.245	1.40	324.76	12.786	V	BA
LE 063G 09									127.00	5.000	0.210	1.20	372.53	14.667	W	BC
LE 063G 10									139.70	5.500	0.193	1.10	407.55	16.045	X	BD
LE 069G 01	19.05	0.750	1.75	0.069	73.40	16.50	7.12	1.60	50.80	2.000	1.795	10.25	87.72	3.454	S	W
LE 069G 02									57.15	2.250	1.349	7.70	106.30	4.185	S	W
LE 069G 03									63.50	2.500	1.077	6.15	125.04	4.923	T	X
LE 069G 04									69.85	2.750	0.898	5.13	143.62	5.654	T	X
LE 069G 05									76.20	3.000	0.755	4.31	164.01	6.457	U	Z
LE 069G 06									88.90	3.500	0.590	3.37	201.20	7.921	U	Z
LE 069G 07									101.60	4.000	0.478	2.73	240.23	9.458	V	BA
LE 069G 08									114.30	4.500	0.406	2.32	277.43	10.922	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	353.52	13.918	Y	BD
LE 075G 01	19.05	0.750	1.90	0.075	92.08	20.70	8.90	2.00	50.80	2.000	2.837	16.20	80.12	3.154	S	W
LE 075G 02									57.15	2.250	2.067	11.80	97.40	3.835	S	W
LE 075G 03									63.50	2.500	1.629	9.30	114.57	4.511	T	X
LE 075G 04									69.85	2.750	1.384	7.90	129.97	5.117	T	X
LE 075G 05									76.20	3.000	1.173	6.70	147.09	5.791	U	Z
LE 075G 06									88.90	3.500	0.911	5.20	180.24	7.096	V	BA
LE 075G 07									101.60	4.000	0.753	4.30	212.06	8.349	W	BB
LE 075G 08									114.30	4.500	0.630	3.60	246.24	9.694	X	BC
LE 075G 09									127.00	5.000	0.543	3.10	280.22	11.032	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	346.27	13.633	BA	BF								
LE 085G 01	19.05	0.750	2.16	0.085	140.12	31.50	12.46	2.80	50.80	2.000	5.492	31.36	74.05	2.915	T	X
LE 085G 02									57.15	2.250	4.060	23.18	88.60	3.488	T	X
LE 085G 03									63.50	2.500	3.219	18.38	103.16	4.061	U	Z
LE 085G 04									69.85	2.750	2.594	14.81	119.07	4.688	U	Z
LE 085G 05									76.20	3.000	2.277	13.00	132.28	5.208	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	219.64	8.647	Y	BD
LE 085G 09									127.00	5.000	1.061	6.06	247.29	9.736	Z	BE
LE 093G 01									19.05	0.750	2.36	0.093	177.93	40.00	15.57	3.50
LE 093G 02	57.15	2.250	6.165	35.20	83.49	3.287	T	X								
LE 093G 03	63.50	2.500	4.834	27.60	97.09	3.822	U	Z								
LE 093G 04	69.85	2.750	4.116	23.50	109.30	4.303	U	Z								
LE 093G 05	76.20	3.000	3.573	20.40	121.65	4.789	V	BA								
LE 093G 06	88.90	3.500	2.767	15.80	147.58	5.810	W	BB								
LE 093G 07	101.60	4.000	2.259	12.90	173.47	6.829	X	BC								
LE 093G 08	114.30	4.500	1.909	10.90	199.36	7.849	Y	BD								
LE 093G 09	127.00	5.000	1.681	9.60	223.57	8.802	Z	BE								
LE 105G 01	19.05	0.750	2.67	0.105	249.10	56.00	26.69	6.00								
LE 105G 02									57.15	2.250	11.243	64.20	76.93	3.029	V	BB
LE 105G 03									63.50	2.500	9.107	52.00	87.92	3.462	W	BC
LE 105G 04									69.85	2.750	7.653	43.70	98.91	3.894	W	BD
LE 105G 05									76.20	3.000	6.602	37.70	109.89	4.326	X	BE
LE 105G 06									88.90	3.500	5.166	29.50	131.95	5.195	Y	BF
LE 105G 07									101.60	4.000	4.256	24.30	153.86	6.058	Z	BG
LE 105G 08									114.30	4.500	3.608	20.60	175.95	6.927	BA	BH
LE 105G 09									127.00	5.000	3.135	17.90	197.95	7.793	BB	BJ

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 112G 01	19.05	0.750	2.84	0.112	306.91	69.00	35.38	8.00	50.80	2.000	20.436	116.69	64.08	2.523	X	BE						
LE 112G 02									57.15	2.250	15.732	89.83	74.40	2.929	X	BE						
LE 112G 03									63.50	2.500	12.788	73.02	84.72	3.335	Y	BF						
LE 112G 04									69.85	2.750	10.772	61.51	95.04	3.742	Y	BF						
LE 112G 05									76.20	3.000	9.305	53.13	105.36	4.148	Z	BG						
LE 112G 06									88.90	3.500	7.313	41.76	126.00	4.961	BA	BH						
LE 112G 07									101.60	4.000	6.024	34.40	146.64	5.773	BB	BJ						
LE 112G 08									114.30	4.500	5.121	29.24	167.29	6.586	BC	BK						
LE 112G 09									127.00	5.000	4.454	25.43	187.93	7.399	BD	BL						
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	107.16	4.219	T	X						
LE 055H 02									57.15	2.250	0.368	2.10	143.03	5.631	T	X						
LE 055H 03									63.50	2.500	0.280	1.60	176.21	6.938	U	Z						
LE 055H 04									69.85	2.750	0.210	1.20	220.13	8.667	U	Z						
LE 063H 01									1.60	0.063	50.27	11.30	4.45	1.00	57.15	2.250	0.683	3.90	124.23	4.891	T	X
LE 063H 02															63.50	2.500	0.508	2.90	153.71	6.052	T	X
LE 063H 03															69.85	2.750	0.403	2.30	183.60	7.228	U	Z
LE 063H 04									1.90	0.075	81.85	18.40	7.56	1.70	76.20	3.000	0.333	1.90	213.89	8.421	W	BA
LE 063H 05															88.90	3.500	0.245	1.40	275.77	10.857	X	BB
LE 075H 01	21.59	0.850	1.90	0.075	81.85	18.40	7.56	1.70	57.15	2.250	1.699	9.70	100.88	3.972	T	Y						
LE 075H 02									63.50	2.500	1.313	7.50	120.06	4.727	T	Y						
LE 075H 03									69.85	2.750	1.051	6.00	140.55	5.533	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	0.665	3.80	200.53	7.895	W	BB						
LE 075H 06									101.60	4.000	0.525	3.00	242.99	9.567	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	305.08	12.011	Z	BE						
LE 075H 09									127.00	5.000	0.385	2.20	319.81	12.591	BA	BF						
LE 085H 0	21.59	0.850	2.16	0.085	115.21	25.90	10.68	2.40	50.80	2.000	4.729	27.00	72.91	2.870	S	X						
LE 085H 01									57.15	2.250	3.362	19.20	88.24	3.474	T	Y						
LE 085H 02									63.50	2.500	2.452	14.00	106.14	4.179	T	Y						
LE 085H 03									69.85	2.750	1.944	11.10	123.62	4.867	U	Z						
LE 085H 04									76.20	3.000	1.664	9.50	139.03	5.474	V	BA						
LE 085H 05									88.90	3.500	1.278	7.30	170.67	6.719	W	BB						
LE 085H 06									101.60	4.000	1.016	5.80	204.51	8.052	X	BC						
LE 085H 07									114.30	4.500	0.858	4.90	236.12	9.296	Y	BD						
LE 085H 08									120.65	4.750	0.788	4.50	253.29	9.972	Z	BE						
LE 085H 09									127.00	5.000	0.718	4.10	272.59	10.732	BA	BF						
LE 085H 10									139.70	5.500	0.630	3.60	305.51	12.028	BB	BG						
LE 085H 11	152.40	6.000	0.569	3.25	336.06	13.231	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	149.47	5.885	Y	BC						
LE 063J 02									69.85	2.750	0.333	1.90	187.49	7.382	Y	BC						
LE 063J 03									76.20	3.000	0.263	1.50	225.21	8.867	Z	BD						
LE 063J 04									82.55	3.250	0.210	1.20	268.82	10.583	Z	BD						
LE 075J 01									1.90	0.075	69.84	15.70	6.23	1.40	63.50	2.500	1.103	6.30	121.15	4.770	Y	BE
LE 075J 02															69.85	2.750	0.806	4.60	148.81	5.859	Y	BE
LE 075J 03															76.20	3.000	0.630	3.60	177.09	6.972	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	327.96	12.912	BB	BG														
LE 075J 07	127.00	5.000	0.245	1.40	386.44	15.214	BC	BJ														
LE 085J 01	2.16	0.850	99.20	22.30	8.90	2.00	69.85	2.750	1.489	8.50	130.51	5.138	Y	BE								
LE 085J 02							76.20	3.000	1.191	6.80	152.03	5.985	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	233.81	9.205	BA	BG								
LE 085J 05							114.30	4.500	0.560	3.20	275.43	10.844	BB	BH								
LE 085J 06							127.00	5.000	0.473	2.70	317.97	12.519	BC	BJ								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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 0	25.40	1.000	2.41	0.095	133.51	30.00	12.02	2.70	63.50	2.500	4.222	24.10	92.27	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	133.04	5.238	Z	BF
LE 095J 03									88.90	3.500	1.524	8.70	168.60	6.638	Z	BF
LE 095J 04									101.60	4.000	1.208	6.90	202.10	7.957	BA	BG
LE 095J 05									114.30	4.500	0.981	5.60	238.13	9.375	BB	BH
LE 095J 06									127.00	5.000	0.841	4.80	271.46	10.688	BC	BJ
LE 095J 07									139.70	5.500	0.722	4.12	308.01	12.126	BD	BK
LE 095J 08									152.40	6.000	0.641	3.66	341.86	13.459	BE	BL
LE 095J 09									165.10	6.500	0.573	3.27	377.16	14.849	BF	BM
LE 095J 10									177.80	7.000	0.518	2.96	412.06	16.223	BG	BN
LE 095J 11									203.20	8.000	0.420	2.40	492.13	19.375	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	178.02	40.00	17.80	4.00	63.50	2.500	6.832	39.00	86.95	3.423	Z	BE
LE 105J 01									69.85	2.750	4.063	23.20	109.26	4.302	Z	BE
LE 105J 02									76.20	3.000	3.415	19.50	123.09	4.846	BA	BF
LE 105J 03									88.90	3.500	2.434	13.90	154.68	6.090	BB	BG
LE 105J 04									101.60	4.000	1.944	11.10	183.98	7.243	BC	BH
LE 105J 05									114.30	4.500	1.580	9.02	215.67	8.491	BD	BJ
LE 105J 06									127.00	5.000	1.354	7.73	245.29	9.657	BE	BK
LE 105J 07									139.70	5.500	1.168	6.67	276.79	10.897	BF	BL
LE 105J 08									152.40	6.000	1.028	5.87	308.18	12.133	BG	BM
LE 105J 09									165.10	6.500	0.930	5.31	337.30	13.280	BH	BP
LE 105J 10									177.80	7.000	0.842	4.81	367.90	14.484	BJ	BQ
LE 105J 11									203.20	8.000	0.736	4.20	420.91	16.571	BK	BQ
LE 105J 12	228.60	9.000	0.631	3.60	482.60	19.000	BL	BR								
LE 115J 0	25.40	1.000	2.92	0.115	222.52	50.00	22.25	5.00	63.50	2.500	10.581	60.40	82.42	3.245	Z	BE
LE 115J 01									69.85	2.750	6.690	38.20	99.77	3.928	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	3.975	22.70	139.25	5.482	BB	BG
LE 115J 04									101.60	4.000	3.100	17.70	166.18	6.542	BC	BH
LE 115J 05									114.30	4.500	2.539	14.50	193.13	7.603	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	245.53	9.667	BF	BL
LE 115J 08									152.40	6.000	1.664	9.50	272.72	10.737	BG	BM
LE 115J 09									165.10	6.500	1.506	8.60	298.01	11.733	BJ	BQ
LE 115J 10									177.80	7.000	1.366	7.80	324.34	12.769	BL	BS
LE 115J 11									203.20	8.000	1.174	6.70	373.80	14.716	BM	BS
LE 115J 12	228.60	9.000	1.016	5.80	425.67	16.759	BN	BT								
LE 125J 0	25.40	1.000	3.18	0.125	311.53	70.00	31.15	7.00	63.50	2.500	15.294	87.30	81.83	3.222	BB	BF
LE 125J 01									69.85	2.750	10.194	58.21	97.34	3.832	BC	BJ
LE 125J 02									76.20	3.000	8.340	47.62	109.80	4.323	BD	BK
LE 125J 03									88.90	3.500	6.116	34.92	134.72	5.304	BE	BL
LE 125J 04									101.60	4.000	4.828	27.57	159.64	6.285	BF	BM
LE 125J 05									114.30	4.500	3.989	22.78	184.55	7.266	BG	BN
LE 125J 06									127.00	5.000	3.398	19.40	209.48	8.247	BH	BP
LE 125J 07									139.70	5.500	2.960	16.90	234.39	9.228	BJ	BQ
LE 125J 08									152.40	6.000	2.622	14.97	259.29	10.208	BK	BR
LE 125J 09									165.10	6.500	2.418	13.80	281.06	11.065	BK	BQ
LE 125J 10									177.80	7.000	2.190	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	1.577	9.00	406.40	16.000	BN	BT								

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 0	25.40	1.000	3.43	0.135	378.28	85.00	40.05	9.00	63.50	2.500	23.493	134.10	77.90	3.067	BE	BL								
LE 135J 01									69.85	2.750	15.101	86.23	92.24	3.631	BE	BL								
LE 135J 02									76.20	3.000	12.413	70.88	103.43	4.072	BF	BM								
LE 135J 03									88.90	3.500	9.156	52.28	125.82	4.954	BG	BN								
LE 135J 04									101.60	4.000	7.252	41.41	148.22	5.835	BH	BP								
LE 135J 05									114.30	4.500	6.003	34.28	170.61	6.717	BJ	BQ								
LE 135J 06									127.00	5.000	5.123	29.25	193.00	7.598	BK	BR								
LE 135J 07									139.70	5.500	4.466	25.50	215.40	8.480	BL	BS								
LE 135J 08									152.40	6.000	3.960	22.61	237.78	9.361	BM	BT								
LE 135J 09									165.10	6.500	3.644	20.80	257.91	10.154	BN	BR								
LE 135J 10									177.80	7.000	3.311	18.90	279.94	11.021	BQ	BS								
LE 135J 11									203.20	8.000	2.785	15.90	324.61	12.780	BQ	BT								
LE 135J 12	228.60	9.000	2.400	13.70	369.51	14.547	BR	BU																
LE 148J 01	25.40	1.000	3.76	0.148	498.66	112.05	43.08	9.68	63.50	2.500	35.528	202.80	76.32	3.005	BF	BL								
LE 148J 02									69.85	2.750	27.907	159.30	86.17	3.393	BG	BM								
LE 148J 03									76.20	3.000	21.706	123.90	97.19	3.826	BH	BN								
LE 148J 04									88.90	3.500	16.275	92.90	116.89	4.602	BJ	BP								
LE 148J 05									101.60	4.000	12.596	71.90	137.76	5.424	BK	BQ								
LE 148J 06									114.30	4.500	10.283	58.70	158.60	6.244	BL	BR								
LE 148J 07									127.00	5.000	8.689	49.60	179.42	7.064	BM	BS								
LE 148J 08									139.70	5.500	7.656	43.70	199.20	7.843	BN	BT								
LE 148J 09									152.40	6.000	6.745	38.50	219.94	8.659	BQ	BU								
LE 148J 10									165.10	6.500	6.009	34.30	240.91	9.485	BP	BV								
LE 148J 11									177.80	7.000	5.431	31.00	261.68	10.302	BR	BW								
LE 148J 12									203.20	8.000	4.590	26.20	302.44	11.907	BS	BX								
LE 148J 13	228.60	9.000	3.942	22.50	344.16	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	201.78	7.944	BB	BG								
LE 085JK 03									101.60	4.000	0.543	3.10	258.18	10.165	BC	BH								
LE 085JK 04									114.30	4.500	0.438	2.50	308.46	12.144	BD	BJ								
LE 085JK 05									127.00	5.000	0.350	2.00	369.70	14.555	BE	BK								
LE 085JK 06									139.70	5.500	0.298	1.70	425.23	16.741	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	582.30	22.925	BJ	BQ								
LE 105JK 01									28.58	1.125	2.67	0.105	168.15	37.80	15.12	3.40	76.20	3.000	3.433	19.60	120.78	4.755	BA	BF
LE 105JK 02																	88.90	3.500	2.189	12.50	158.80	6.252	BB	BG
LE 105JK 03																	101.60	4.000	1.611	9.20	196.57	7.739	BC	BH
LE 105JK 04	114.30	4.500	1.278	7.30	233.99	9.212	BD	BJ																
LE 105JK 05	127.00	5.000	1.051	6.00	272.63	10.733	BE	BK																
LE 105JK 06	139.70	5.500	0.893	5.10	311.03	12.245	BF	BL																
LE 105JK 07	152.40	6.000	0.788	4.50	346.57	13.644	BG	BM																
LE 105JK 08	165.10	6.500	0.683	3.90	389.14	15.321	BH	BN																
LE 105JK 09	177.80	7.000	0.613	3.50	427.45	16.829	BJ	BQ																
LE 125JK 01	28.58	1.125	3.18	0.125	265.24	59.60	24.52	5.51									76.20	3.000	8.094	46.20	105.94	4.171	BD	BJ
LE 125JK 02																	88.90	3.500	5.308	30.30	134.24	5.285	BE	BK
LE 125JK 03																	101.60	4.000	3.942	22.50	162.66	6.404	BF	BL
LE 125JK 04									114.30	4.500	3.136	17.90	191.05	7.522	BG	BM								
LE 125JK 05									127.00	5.000	2.610	14.90	219.21	8.630	BH	BN								
LE 125JK 06									139.70	5.500	2.225	12.70	247.88	9.759	BJ	BP								
LE 125JK 07									152.40	6.000	1.945	11.10	276.17	10.873	BK	BQ								
LE 125JK 08									165.10	6.500	1.734	9.90	303.88	11.964	BL	BR								
LE 125JK 09									177.80	7.000	1.559	8.90	332.17	13.078	BM	BS								



EXTENSION SPRINGS

● Full Loops, Random Position

● 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 095K 01	31.75	1.250	2.41	0.095	115.66	26.00	10.41	2.35	82.55	3.250	1.275	7.28	165.07	6.499	BB	BH
LE 095K 02									88.90	3.500	1.026	5.86	191.41	7.536	BB	BH
LE 095K 03									101.60	4.000	0.739	4.22	243.95	9.604	BC	BJ
LE 095K 04									114.30	4.500	0.578	3.30	296.33	11.667	BD	BK
LE 095K 05									127.00	5.000	0.475	2.71	348.66	13.727	BE	BL
LE 095K 06									139.70	5.500	0.403	2.30	400.88	15.783	BF	BM
LE 095K 07									152.40	6.000	0.349	1.99	454.26	17.884	BG	BN
LE 095K 08									165.10	6.500	0.308	1.76	506.41	19.938	BH	BP
LE 095K 09									177.80	7.000	0.275	1.57	560.42	22.064	BJ	BQ
LE 095K 10									190.50	7.500	0.250	1.43	610.58	24.038	BK	BR
LE 115K 01	31.75	1.250	2.92	0.115	200.17	45.00	18.91	4.25	82.55	3.250	3.163	18.06	139.86	5.506	BF	BK
LE 115K 02									88.90	3.500	2.574	14.70	159.31	6.272	BF	BK
LE 115K 03									101.60	4.000	1.877	10.72	198.15	7.801	BG	BL
LE 115K 04									114.30	4.500	1.476	8.43	237.08	9.334	BH	BM
LE 115K 05									127.00	5.000	1.217	6.95	275.93	10.863	BJ	BN
LE 115K 06									139.70	5.500	1.035	5.91	314.84	12.395	BK	BP
LE 115K 07									152.40	6.000	0.900	5.14	353.77	13.928	BK	BQ
LE 115K 08									165.10	6.500	0.797	4.55	392.58	15.456	BL	BR
LE 115K 09									177.80	7.000	0.715	4.08	431.49	16.988	BM	BS
LE 115K 10									190.50	7.500	0.648	3.70	470.24	18.514	BN	BT
LE 135K 01	31.75	1.250	3.43	0.135	289.14	65.00	27.58	6.20	82.55	3.250	7.093	40.50	119.43	4.702	BJ	BL
LE 135K 02									88.90	3.500	6.024	34.40	132.32	5.209	BJ	BL
LE 135K 03									101.60	4.000	4.466	25.50	160.17	6.306	BK	BM
LE 135K 04									114.30	4.500	3.450	19.70	190.11	7.485	BK	BM
LE 135K 05									127.00	5.000	2.872	16.40	218.07	8.585	BL	BP
LE 135K 06									139.70	5.500	2.382	13.60	249.52	9.824	BL	BP
LE 135K 07									152.40	6.000	2.084	11.90	277.91	10.941	BM	BR
LE 135K 08									165.10	6.500	1.856	10.60	306.00	12.047	BM	BR
LE 135K 09									177.80	7.000	1.664	9.50	335.01	13.189	BN	BS
LE 135K 10									190.50	7.500	1.506	8.60	364.17	14.337	BP	BT
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	229.45	9.033	BJ	BN
LE 125L 02									127.00	5.000	1.243	7.10	272.96	10.746	BK	BP
LE 125L 03									139.70	5.500	1.028	5.87	316.25	12.451	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	403.33	15.879	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	490.01	19.292	BQ	BU
LE 125L 08									203.20	8.000	0.550	3.14	533.24	20.994	BR	BV
LE 148L 01	38.10	1.500	3.76	0.148	314.33	70.63	29.82	6.70	114.30	4.500	4.257	24.30	181.12	7.131	BP	BS
LE 148L 02									127.00	5.000	3.276	18.70	213.84	8.419	BQ	BT
LE 148L 03									139.70	5.500	2.680	15.30	245.83	9.678	BR	BU
LE 148L 04									152.40	6.000	2.260	12.90	278.28	10.956	BS	BV
LE 148L 05									165.10	6.500	1.962	11.20	310.08	12.208	BT	BW
LE 148L 06									177.80	7.000	1.717	9.80	343.50	13.523	BU	BX
LE 148L 07									190.50	7.500	1.542	8.80	375.03	14.765	BV	BY
LE 148L 08									203.20	8.000	1.384	7.90	408.75	16.092	BW	BZ
LE 177L 01	38.10	1.500	4.50	0.177	538.32	120.96	48.82	10.97	114.30	4.500	10.494	59.90	160.94	6.336	BQ	BT
LE 177L 02									127.00	5.000	8.216	46.90	186.57	7.345	BR	BU
LE 177L 03									139.70	5.500	6.745	38.50	212.26	8.357	BS	BV
LE 177L 04									152.40	6.000	5.729	32.70	237.84	9.364	BT	BW
LE 177L 05									165.10	6.500	4.975	28.40	263.47	10.373	BU	BX
LE 177L 06									177.80	7.000	4.397	25.10	289.10	11.382	BV	BY
LE 177L 07									190.50	7.500	3.942	22.50	314.67	12.388	BW	BX
LE 177L 08									203.20	8.000	3.556	20.30	340.82	13.418	BX	CA

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

EXTENSION SPRINGS



● Full Loops, Random Position

● 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 148N 01	44.45	1.750	3.76	0.148	286.29	64.33	25.77	5.79	127.00	5.000	2.628	15.00	226.13	8.903	BR	BU		
LE 148N 02									139.70	5.500	2.015	11.50	269.00	10.590	BS	BV		
LE 148N 03									152.40	6.000	1.647	9.40	310.58	12.228	BT	BW		
LE 148N 04									165.10	6.500	1.384	7.90	353.32	13.910	BU	BX		
LE 148N 05									177.80	7.000	1.191	6.80	396.46	15.609	BV	BY		
LE 148N 06									190.50	7.500	1.051	6.00	438.32	17.257	BW	BZ		
LE 148N 07									203.20	8.000	0.928	5.30	483.75	19.045	BX	CA		
LE 148N 08									228.60	9.000	0.771	4.40	566.54	22.305	BY	CB		
LE 177N 01			44.45	1.750	4.50	0.177	469.56	105.51	42.28	9.50	127.00	5.000	6.412	36.60	193.63	7.623	BS	BV
LE 177N 02											139.70	5.500	4.993	28.50	225.27	8.869	BT	BW
LE 177N 03											152.40	6.000	4.082	23.30	257.06	10.121	BU	BX
LE 177N 04											165.10	6.500	3.451	19.70	288.89	11.374	BV	BY
LE 177N 05											177.80	7.000	2.996	17.10	320.41	12.615	BW	BZ
LE 177N 06											190.50	7.500	2.645	15.10	352.00	13.858	BX	CA
LE 177N 07											203.20	8.000	2.365	13.50	383.84	15.112	BY	CB
LE 177N 08											228.60	9.000	1.962	11.20	446.34	17.572	BZ	CC
LE 207N 01	44.45	1.750			5.26	0.207	723.41	162.55	64.93	14.59	127.00	5.000	14.050	80.20	173.86	6.845	BT	BW
LE 207N 02											139.70	5.500	11.072	63.20	199.16	7.841	BU	BX
LE 207N 03											152.40	6.000	9.127	52.10	224.53	8.840	BV	BY
LE 207N 04											165.10	6.500	7.761	44.30	249.93	9.840	BW	BZ
LE 207N 05											177.80	7.000	6.762	38.60	275.16	10.833	BX	CA
LE 207N 06											190.50	7.500	5.991	34.20	300.39	11.826	BY	CB
LE 207N 07											203.20	8.000	5.361	30.60	326.02	12.835	BZ	CC
LE 207N 08											228.60	9.000	4.450	25.40	376.56	14.825	CA	CD
LE 177P 01			50.80	2.000	4.50	0.177	413.66	92.95	37.25	8.37	139.70	5.500	4.240	24.20	228.47	8.995	BU	BX
LE 177P 02											152.40	6.000	3.276	18.70	267.28	10.523	BV	BY
LE 177P 03											165.10	6.500	2.680	15.30	305.51	12.028	BW	BZ
LE 177P 04											177.80	7.000	2.260	12.90	344.34	13.557	BX	CA
LE 177P 05											190.50	7.500	1.945	11.10	384.04	15.120	BY	CB
LE 177P 06											203.20	8.000	1.717	9.80	422.42	16.631	BZ	CC
LE 177P 07											228.60	9.000	1.384	7.90	500.54	19.706	CA	CD
LE 177P 08											254.00	10.000	1.156	6.60	579.50	22.815	CB	CE
LE 207P 01	50.80	2.000			5.26	0.207	636.94	143.12	57.32	12.88	139.70	5.500	9.197	52.50	202.71	7.981	BV	BY
LE 207P 02											152.40	6.000	7.200	41.10	232.89	9.169	BW	BZ
LE 207P 03											165.10	6.500	5.921	33.80	262.97	10.353	BX	CA
LE 207P 04											177.80	7.000	5.028	28.70	293.06	11.538	BY	CB
LE 207P 05											190.50	7.500	4.362	24.90	323.36	12.731	BZ	CC
LE 207P 06											203.20	8.000	3.854	22.00	353.57	13.920	CA	CD
LE 207P 07											228.60	9.000	3.136	17.90	413.41	16.276	CB	CE
LE 207P 08											254.00	10.000	2.628	15.00	474.54	18.683	CC	CF