

BACKGROUND

- The Lee Spring catalog has always offered springs with relatively low spring rates or workable (maximum) loads. But often, the offered diameters (outside or inside) were too small to accommodate the intended application assembly requirements.
- This new “Lite Pressure™” Series has been developed so that, for a given length and diameter (outside or inside), there would exist a series of springs that had lower spring rates or workable load ratings than what is currently offered by the existing Lee Spring Standard Series compression springs.

WHY “PRESSURE”?

- Pressure is described as a force which is exerted over a surface area. In regards to compression springs, the pressure exerted as the result of a specific deflection can be more technically described as **force over a flat surface with a circular perimeter** (the Nominal Hole in which the spring is being used).
- The term “Lite Pressure™” is used to describe a series of springs designed to be utilized where relatively low forces are required for a given diameter.

HOW PRESSURE RATING FOR LP SERIES WOULD BE USED

- The pressure rating assigned to each item of the Lite Pressure™ series is a selection parameter to assist in meeting qualitative requirements or quantitative requirements.
- Each series is offered in a range from 1 to 5 psi pressure ratings, in 1 psi increments.

POTENTIAL APPLICATIONS

- LP series springs are ideal for many fluid power applications such as relief valves, check valves or pistons.
- Other miscellaneous applications could include motor brushes, contacts, displays, syringes, toys, dispensers and many more.

MATERIAL

- LP series springs are offered ONLY in Type 316 Stainless Steel so as to provide a design that can meet requirements in various diverse applications that call for:
 - Improved corrosion resistance
 - Enhanced cleanliness
 - Moderately elevated temperatures

SPECIFICATIONS

RELATIONSHIP TO FLUID PRESSURE

The pressure ratings used for Lite Pressure™ Series springs have no **direct** relationship with “pressure” as traditionally used in the fluid power industry, although indirectly the pressure ratings are conceptually equivalent.

Fluid pressure would be the result of a spring force acting over the specific area exposed to the fluid and would depend on other application components such as the valve face or the piston head.

PRESSURE CALCULATION EXAMPLE

Catalog spring **LP 014E 05 S316** has the following characteristics:

Nominal Hole: 0.375 inch
Free Length: 1.000 inch
Solid Height: 0.143 inch
Spring Rate: 0.161 lbs/inch

- The maximum recommended pressure for this spring will occur when the spring is at **80%** of **maximum available deflection** (it is not generally recommended to use a compression spring all the way down to solid height).
- The **maximum available deflection** is the difference between the Free Length (1.000) and the Solid Height (0.143) or $1.000 - 0.143 = 0.857$ inch.
- 80% of that would be $0.857 \times 80\% = 0.686$ inch.

- The calculated load at this deflection would be the deflection (0.686) times the Spring Rate (0.161) or $0.686 \text{ inch} \times 0.161 \text{ lbs/inch} = 0.110 \text{ lbs}$.
- The surface area over the Nominal Hole diameter (0.375) would be $\pi (\pi)$ times the diameter squared divided by four or $\pi (\pi) \times (0.375^2) / 4 = 0.110 \text{ in}^2$.
- The resultant pressure would then be determined by dividing the calculated load by the surface area or $0.110 \text{ lbs} / 0.110 \text{ in}^2 = 1 \text{ lb/in}^2$ (psi).

MATERIAL

- Type 316 Stainless Steel

FINISH

- Passivated per ASTM A967
- Ultrasonically cleaned

Tolerances on Spring Rate: $\pm 10\%$

Tolerances on Outside Diameter (for LP Series only):

0.201"	—	0.300"	$\pm 0.008"$
0.301"	—	0.500"	$\pm 0.010"$
0.501"	—	0.850"	$\pm 0.020"$
0.851"	—	1.125"	$\pm 0.025"$
1.126"	—	1.460"	$\pm 0.030"$
1.461"	—	1.625"	$\pm 0.040"$

COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 008A 01	.218	5.54	.234	5.94	.156	3.97	.008	.20	1	7	.054	.024	0.313	7.95	0.201	0.004	0.046	1.17	N
LP 008A 02													0.500	12.70	0.122	0.002	0.060	1.53	N
LP 008A 03													0.625	15.88	0.097	0.002	0.070	1.77	N
LP 008A 04													0.750	19.05	0.080	0.001	0.079	2.01	N
LP 008A 05													1.000	25.40	0.060	0.001	0.098	2.49	N
LP 008A 06													1.250	31.75	0.047	0.001	0.117	2.98	N
LP 010A 01	.218	5.54	.234	5.94	.156	3.97	.010	.25	2	14	.108	.049	0.313	7.95	0.429	0.008	0.062	1.58	N
LP 010A 02													0.500	12.70	0.258	0.005	0.084	2.13	N
LP 010A 03													0.625	15.88	0.204	0.004	0.098	2.49	N
LP 010A 04													0.750	19.05	0.169	0.003	0.112	2.85	N
LP 010A 05													1.000	25.40	0.125	0.002	0.141	3.58	N
LP 010A 06													1.250	31.75	0.100	0.002	0.170	4.31	N
LP 011A 01	.218	5.54	.234	5.94	.156	3.97	.011	.28	3	21	.161	.073	0.313	7.95	0.657	0.012	0.068	1.72	N
LP 011A 02													0.500	12.70	0.394	0.007	0.091	2.30	N
LP 011A 03													0.625	15.88	0.311	0.006	0.106	2.69	N
LP 011A 04													0.750	19.05	0.257	0.005	0.121	3.09	N
LP 011A 05													1.000	25.40	0.190	0.003	0.152	3.87	N
LP 011A 06													1.250	31.75	0.151	0.003	0.183	4.65	N
LP 012A 01	.218	5.54	.234	5.94	.156	3.97	.012	.30	4	28	.215	.098	0.313	7.95	0.905	0.016	0.075	1.91	N
LP 012A 02													0.500	12.70	0.540	0.010	0.102	2.59	N
LP 012A 03													0.625	15.88	0.425	0.008	0.120	3.04	N
LP 012A 04													0.750	19.05	0.351	0.006	0.137	3.49	N
LP 012A 05													1.000	25.40	0.260	0.005	0.173	4.39	N
LP 012A 06													1.250	31.75	0.206	0.004	0.208	5.29	N
LP 013A 01	.218	5.54	.234	5.94	.156	3.97	.013	.33	5	35	.269	.122	0.313	7.95	0.981	0.018	0.094	2.39	N
LP 013A 02													0.500	12.70	0.583	0.010	0.131	3.34	N
LP 013A 03													0.625	15.88	0.459	0.008	0.156	3.97	N
LP 013A 04													0.750	19.05	0.378	0.007	0.181	4.61	N
LP 013A 05													1.000	25.40	0.280	0.005	0.232	5.88	N
LP 013A 06													1.250	31.75	0.222	0.004	0.282	7.15	N
LP 010B 01	.240	6.10	.250	6.35	.188	4.76	.010	.25	1	7	.061	.028	0.313	7.95	0.253	0.005	0.071	1.79	N
LP 010B 02													0.500	12.70	0.152	0.003	0.097	2.47	N
LP 010B 03													0.625	15.88	0.120	0.002	0.115	2.93	N
LP 010B 04													0.750	19.05	0.099	0.002	0.133	3.39	N
LP 010B 05													1.000	25.40	0.074	0.001	0.169	4.30	N
LP 010B 06													1.250	31.75	0.059	0.001	0.205	5.21	N
LP 011B 01	.240	6.10	.250	6.35	.188	4.76	.011	.28	2	14	.123	.056	0.313	7.95	0.498	0.009	0.067	1.69	N
LP 011B 02													0.500	12.70	0.299	0.005	0.089	2.26	N
LP 011B 03													0.625	15.88	0.236	0.004	0.104	2.65	N
LP 011B 04													0.750	19.05	0.195	0.003	0.119	3.03	N
LP 011B 05													1.000	25.40	0.144	0.003	0.149	3.79	N
LP 011B 06													1.250	31.75	0.115	0.002	0.179	4.55	N

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

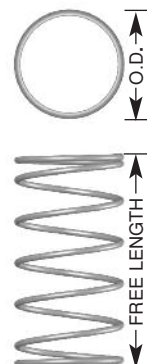
PRICING: See Inside Front Cover for pricing for up to 199. To price or order up to 1000 pcs. visit leespring.com; 1000+ pcs. contact Lee Spring.
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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

COMPRESSION SPRINGS

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 012B 01	.240	6.10	.250	6.35	.188	4.76	.012	.30	3	21	.184	.083	0.313	7.95	0.759	0.014	0.071	1.79	N
LP 012B 02													0.500	12.70	0.453	0.008	0.094	2.39	N
LP 012B 03													0.625	15.88	0.357	0.006	0.109	2.78	N
LP 012B 04													0.750	19.05	0.295	0.005	0.125	3.18	N
LP 012B 05													1.000	25.40	0.218	0.004	0.156	3.97	N
LP 012B 06													1.250	31.75	0.173	0.003	0.187	4.76	N
LP 013B 01	.240	6.10	.250	6.35	.188	4.76	.013	.33	4	28	.245	.111	0.313	7.95	1.041	0.019	0.077	1.96	N
LP 013B 02													0.500	12.70	0.618	0.011	0.103	2.62	N
LP 013B 03													0.625	15.88	0.487	0.009	0.121	3.06	N
LP 013B 04													0.750	19.05	0.401	0.007	0.138	3.50	N
LP 013B 05													1.000	25.40	0.297	0.005	0.173	4.39	N
LP 013B 06													1.250	31.75	0.235	0.004	0.208	5.27	N
LP 014B 01	.240	6.10	.250	6.35	.188	4.76	.014	.36	5	35	.307	.139	0.313	7.95	1.121	0.020	0.094	2.39	N
LP 014B 02													0.500	12.70	0.663	0.012	0.130	3.30	N
LP 014B 03													0.625	15.88	0.521	0.009	0.154	3.91	N
LP 014B 04													0.750	19.05	0.429	0.008	0.178	4.52	N
LP 014B 05													1.000	25.40	0.317	0.006	0.226	5.73	N
LP 014B 06													1.250	31.75	0.251	0.004	0.274	6.95	N
LP 010BC 01	.265	6.73	.281	7.14	.219	5.56	.010	.25	1.5	10	.103	.047	0.313	7.95	0.392	0.007	0.049	1.25	N
LP 010BC 02													0.500	12.70	0.236	0.004	0.062	1.57	N
LP 010BC 03													0.625	15.88	0.186	0.003	0.070	1.79	N
LP 010BC 04													0.750	19.05	0.154	0.003	0.079	2.00	N
LP 010BC 05													1.000	25.40	0.114	0.002	0.096	2.44	N
LP 010BC 06													1.250	31.75	0.091	0.002	0.113	2.87	N
LP 012BC 01	.265	6.73	.281	7.14	.219	5.56	.012	.30	2.5	17	.172	.078	0.313	7.95	0.692	0.012	0.064	1.62	N
LP 012BC 02													0.500	12.70	0.413	0.007	0.083	2.10	N
LP 012BC 03													0.625	15.88	0.325	0.006	0.095	2.41	N
LP 012BC 04													0.750	19.05	0.268	0.005	0.108	2.73	N
LP 012BC 05													1.000	25.40	0.199	0.004	0.133	3.37	N
LP 012BC 06													1.250	31.75	0.158	0.003	0.158	4.01	N
LP 013BC 01	.265	6.73	.281	7.14	.219	5.56	.013	.33	3.5	24	.241	.109	0.313	7.95	0.987	0.018	0.068	1.74	N
LP 013BC 02													0.500	12.70	0.586	0.010	0.088	2.25	N
LP 013BC 03													0.625	15.88	0.461	0.008	0.102	2.59	N
LP 013BC 04													0.750	19.05	0.380	0.007	0.115	2.93	N
LP 013BC 05													1.000	25.40	0.281	0.005	0.142	3.61	N
LP 013BC 06													1.250	31.75	0.223	0.004	0.169	4.29	N
LP 014BC 01	.265	6.73	.281	7.14	.219	5.56	.014	.36	4.5	31	.310	.141	0.313	7.95	1.302	0.023	0.075	1.90	N
LP 014BC 02													0.500	12.70	0.770	0.014	0.097	2.47	N
LP 014BC 03													0.625	15.88	0.605	0.011	0.112	2.85	N
LP 014BC 04													0.750	19.05	0.498	0.009	0.127	3.23	N
LP 014BC 05													1.000	25.40	0.368	0.007	0.157	4.00	N
LP 014BC 06													1.250	31.75	0.292	0.005	0.188	4.76	N



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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 016BC 01	.265	6.73	.281	7.14	.188	4.76	.016	.41	5.5	38	.379	.172	0.313	7.95	1.751	0.031	0.096	2.45	N
LP 016BC 02													0.500	12.70	1.027	0.018	0.131	3.32	N
LP 016BC 03													0.625	15.88	0.804	0.014	0.154	3.90	N
LP 016BC 04													0.750	19.05	0.661	0.012	0.176	4.48	N
LP 016BC 05													1.000	25.40	0.487	0.009	0.222	5.64	N
LP 016BC 06													1.250	31.75	0.386	0.007	0.268	6.80	N
LP 011C 01	.300	7.62	.313	7.95	.250	6.35	.011	.28	1	7	.096	.044	0.313	7.95	0.373	0.007	0.055	1.41	N
LP 011C 02													0.500	12.70	0.224	0.004	0.070	1.79	N
LP 011C 03													0.625	15.88	0.177	0.003	0.080	2.04	N
LP 011C 04													0.750	19.05	0.146	0.003	0.090	2.29	N
LP 011C 05													1.000	25.40	0.108	0.002	0.110	2.80	N
LP 011C 06													1.250	31.75	0.086	0.002	0.130	3.31	N
LP 012C 01	.300	7.62	.313	7.95	.250	6.35	.012	.30	2	14	.192	.087	0.313	7.95	0.741	0.013	0.054	1.36	N
LP 012C 02													0.500	12.70	0.443	0.008	0.065	1.66	N
LP 012C 03													0.625	15.88	0.349	0.006	0.073	1.86	N
LP 012C 04													0.750	19.05	0.288	0.005	0.081	2.06	N
LP 012C 05													1.000	25.40	0.213	0.004	0.097	2.47	N
LP 012C 06													1.250	31.75	0.169	0.003	0.113	2.87	N
LP 013C 01	.300	7.62	.313	7.95	.250	6.35	.013	.33	3	21	.289	.131	0.313	7.95	1.125	0.020	0.056	1.43	N
LP 013C 02													0.500	12.70	0.668	0.012	0.068	1.74	N
LP 013C 03													0.625	15.88	0.526	0.009	0.076	1.94	N
LP 013C 04													0.750	19.05	0.433	0.008	0.084	2.14	N
LP 013C 05													1.000	25.40	0.321	0.006	0.100	2.55	N
LP 013C 06													1.250	31.75	0.254	0.005	0.116	2.95	N
LP 014C 01	.300	7.62	.313	7.95	.250	6.35	.014	.36	4	28	.385	.174	0.313	7.95	1.526	0.027	0.061	1.55	N
LP 014C 02													0.500	12.70	0.903	0.016	0.074	1.88	N
LP 014C 03													0.625	15.88	0.709	0.013	0.083	2.10	N
LP 014C 04													0.750	19.05	0.584	0.010	0.091	2.32	N
LP 014C 05													1.000	25.40	0.432	0.008	0.109	2.76	N
LP 014C 06													1.250	31.75	0.342	0.006	0.126	3.20	N
LP 016C 01	.300	7.62	.313	7.95	.250	6.35	.016	.41	5	35	.481	.218	0.313	7.95	1.668	0.030	0.082	2.09	N
LP 016C 02													0.500	12.70	0.978	0.017	0.107	2.71	N
LP 016C 03													0.625	15.88	0.766	0.014	0.123	3.12	N
LP 016C 04													0.750	19.05	0.630	0.011	0.139	3.53	N
LP 016C 05													1.000	25.40	0.464	0.008	0.171	4.35	N
LP 016C 06													1.250	31.75	0.368	0.007	0.204	5.17	N
LP 013D 01	.312	7.92	.328	8.33	.250	6.35	.013	.33	1	7	.106	.048	0.313	7.95	0.449	0.008	0.078	1.97	N
LP 013D 02													0.500	12.70	0.267	0.005	0.104	2.64	N
LP 013D 03													0.625	15.88	0.210	0.004	0.122	3.09	N
LP 013D 04													0.750	19.05	0.173	0.003	0.139	3.54	N
LP 013D 05													1.000	25.40	0.128	0.002	0.175	4.44	N
LP 013D 06													1.250	31.75	0.102	0.002	0.210	5.33	N

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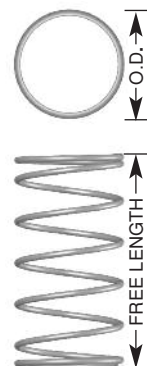
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COMPRESSION SPRINGS

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 014D 01	.312	7.92	.328	8.33	.250	6.35	.014	.36	2	14	.211	.096	0.313	7.95	0.873	0.016	0.071	1.81	N
LP 014D 02													0.500	12.70	0.517	0.009	0.091	2.32	N
LP 014D 03													0.625	15.88	0.406	0.007	0.105	2.66	N
LP 014D 04													0.750	19.05	0.334	0.006	0.118	3.00	N
LP 014D 05													1.000	25.40	0.247	0.004	0.145	3.68	N
LP 014D 06													1.250	31.75	0.196	0.003	0.172	4.36	N
LP 016D 01	.312	7.92	.328	8.33	.250	6.35	.016	.41	3	21	.317	.144	0.313	7.95	1.386	0.025	0.084	2.15	N
LP 016D 02													0.500	12.70	0.813	0.015	0.110	2.80	N
LP 016D 03													0.625	15.88	0.637	0.011	0.127	3.24	N
LP 016D 04													0.750	19.05	0.523	0.009	0.145	3.67	N
LP 016D 05													1.000	25.40	0.386	0.007	0.179	4.55	N
LP 016D 06													1.250	31.75	0.306	0.005	0.213	5.42	N
LP 018D 01	.312	7.92	.328	8.33	.250	6.35	.018	.46	4	28	.422	.192	0.313	7.95	1.990	0.036	0.101	2.56	N
LP 018D 02													0.500	12.70	1.156	0.021	0.134	3.41	N
LP 018D 03													0.625	15.88	0.903	0.016	0.157	3.99	N
LP 018D 04													0.750	19.05	0.741	0.013	0.180	4.56	N
LP 018D 05													1.000	25.40	0.545	0.010	0.225	5.71	N
LP 018D 06													1.250	31.75	0.431	0.008	0.270	6.85	N
LP 020D 01	.312	7.92	.328	8.33	.250	6.35	.020	.51	5	35	.528	.240	0.313	7.95	2.722	0.049	0.119	3.02	N
LP 020D 02													0.500	12.70	1.565	0.028	0.163	4.13	N
LP 020D 03													0.625	15.88	1.219	0.022	0.192	4.87	N
LP 020D 04													0.750	19.05	0.998	0.018	0.221	5.61	N
LP 020D 05													1.000	25.40	0.733	0.013	0.279	7.09	N
LP 020D 06													1.250	31.75	0.579	0.010	0.338	8.58	N
LP 013DE 01	.330	8.38	.344	8.74	.281	7.14	.013	.33	1.5	10	.160	.073	0.500	12.70	0.379	0.007	0.077	1.97	N
LP 013DE 02													0.625	15.88	0.299	0.005	0.088	2.23	N
LP 013DE 03													0.750	19.05	0.246	0.004	0.098	2.49	N
LP 013DE 04													0.875	22.23	0.209	0.004	0.109	2.76	N
LP 013DE 05													1.000	25.40	0.182	0.003	0.119	3.02	N
LP 013DE 06													1.250	31.75	0.144	0.003	0.140	3.55	N
LP 014DE 01	.330	8.38	.344	8.74	.281	7.14	.014	.36	2.5	17	.267	.121	0.500	12.70	0.630	0.011	0.076	1.93	N
LP 014DE 02													0.625	15.88	0.495	0.009	0.085	2.16	N
LP 014DE 03													0.750	19.05	0.408	0.007	0.094	2.39	N
LP 014DE 04													0.875	22.23	0.346	0.006	0.103	2.63	N
LP 014DE 05													1.000	25.40	0.301	0.005	0.113	2.86	N
LP 014DE 06													1.250	31.75	0.239	0.004	0.131	3.33	N
LP 016DE 01	.330	8.38	.344	8.74	.281	7.14	.016	.41	3.5	24	.374	.170	0.500	12.70	0.922	0.016	0.094	2.39	N
LP 016DE 02													0.625	15.88	0.722	0.013	0.107	2.71	N
LP 016DE 03													0.750	19.05	0.593	0.011	0.119	3.03	N
LP 016DE 04													0.875	22.23	0.504	0.009	0.132	3.35	N
LP 016DE 05													1.000	25.40	0.438	0.008	0.145	3.68	N
LP 016DE 06													1.250	31.75	0.347	0.006	0.170	4.32	N



SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 018DE 01	.330	8.38	.344	8.74	.250	6.35	.018	.46	4.5	31	.481	.218	0.500	12.70	1.253	0.022	0.116	2.95	N
LP 018DE 02													0.625	15.88	0.979	0.017	0.133	3.39	N
LP 018DE 03													0.750	19.05	0.803	0.014	0.151	3.83	N
LP 018DE 04													0.875	22.23	0.681	0.012	0.168	4.27	N
LP 018DE 05													1.000	25.40	0.591	0.011	0.186	4.72	N
LP 018DE 06													1.250	31.75	0.467	0.008	0.220	5.60	N
LP 020DE 01	.330	8.38	.344	8.74	.250	6.35	.020	.51	5.5	38	.588	.267	0.500	12.70	1.642	0.029	0.142	3.60	N
LP 020DE 02													0.625	15.88	1.278	0.023	0.165	4.19	N
LP 020DE 03													0.750	19.05	1.047	0.019	0.188	4.78	N
LP 020DE 04													0.875	22.23	0.886	0.016	0.212	5.37	N
LP 020DE 05													1.000	25.40	0.768	0.014	0.235	5.96	N
LP 020DE 06													1.250	31.75	0.607	0.011	0.281	7.14	N
LP 014E 01	.360	9.14	.375	9.53	.313	7.94	.014	.36	1	7	.138	.063	0.500	12.70	0.337	0.006	0.090	2.29	N
LP 014E 02													0.625	15.88	0.265	0.005	0.103	2.63	N
LP 014E 03													0.750	19.05	0.218	0.004	0.116	2.96	N
LP 014E 04													0.875	22.23	0.185	0.003	0.130	3.29	N
LP 014E 05													1.000	25.40	0.161	0.003	0.143	3.63	N
LP 014E 06													1.250	31.75	0.128	0.002	0.169	4.29	N
LP 016E 01	.360	9.14	.375	9.53	.313	7.94	.016	.41	2	14	.276	.125	0.500	12.70	0.682	0.012	0.095	2.42	N
LP 016E 02													0.625	15.88	0.534	0.010	0.108	2.75	N
LP 016E 03													0.750	19.05	0.439	0.008	0.121	3.08	N
LP 016E 04													0.875	22.23	0.373	0.007	0.134	3.41	N
LP 016E 05													1.000	25.40	0.324	0.006	0.147	3.74	N
LP 016E 06													1.250	31.75	0.257	0.005	0.174	4.41	N
LP 018E 01	.360	9.14	.375	9.53	.281	7.14	.018	.46	3	21	.414	.188	0.500	12.70	1.061	0.019	0.110	2.79	N
LP 018E 02													0.625	15.88	0.829	0.015	0.125	3.18	N
LP 018E 03													0.750	19.05	0.680	0.012	0.141	3.58	N
LP 018E 04													0.875	22.23	0.576	0.010	0.156	3.97	N
LP 018E 05													1.000	25.40	0.500	0.009	0.172	4.37	N
LP 018E 06													1.250	31.75	0.396	0.007	0.203	5.16	N
LP 020E 01	.360	9.14	.375	9.53	.281	7.14	.020	.51	4	28	.552	.250	0.500	12.70	1.486	0.027	0.128	3.26	N
LP 020E 02													0.625	15.88	1.158	0.021	0.148	3.76	N
LP 020E 03													0.750	19.05	0.948	0.017	0.167	4.25	N
LP 020E 04													0.875	22.23	0.802	0.014	0.187	4.75	N
LP 020E 05													1.000	25.40	0.696	0.012	0.206	5.24	N
LP 020E 06													1.250	31.75	0.550	0.010	0.245	6.23	N
LP 022E 01	.360	9.14	.375	9.53	.281	7.14	.022	.56	5	35	.690	.313	0.500	12.70	1.975	0.035	0.150	3.82	N
LP 022E 02													0.625	15.88	1.533	0.027	0.175	4.44	N
LP 022E 03													0.750	19.05	1.253	0.022	0.199	5.06	N
LP 022E 04													0.875	22.23	1.059	0.019	0.223	5.68	N
LP 022E 05													1.000	25.40	0.918	0.016	0.248	6.29	N
LP 022E 06													1.250	31.75	0.724	0.013	0.296	7.53	N

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

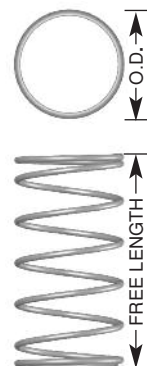
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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

COMPRESSION SPRINGS

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 016F 01													0.500	12.70	0.395	0.007	0.120	3.04	N
LP 016F 02													0.625	15.88	0.309	0.006	0.140	3.55	N
LP 016F 03	.375	9.53	.391	9.93	.313	7.94	.016	.41	1	7	.150	.068	0.750	19.05	0.254	0.005	0.159	4.05	N
LP 016F 04													0.875	22.23	0.216	0.004	0.179	4.55	N
LP 016F 05													1.000	25.40	0.187	0.003	0.199	5.06	N
LP 016F 06													1.250	31.75	0.148	0.003	0.239	6.07	N
LP 018F 01													0.500	12.70	0.789	0.014	0.120	3.04	N
LP 018F 02													0.625	15.88	0.617	0.011	0.138	3.51	N
LP 018F 03	.375	9.53	.391	9.93	.313	7.94	.018	.46	2	14	.30	.136	0.750	19.05	0.506	0.009	0.157	3.98	N
LP 018F 04													0.875	22.23	0.429	0.008	0.175	4.45	N
LP 018F 05													1.000	25.40	0.372	0.007	0.193	4.91	N
LP 018F 06													1.250	31.75	0.294	0.005	0.230	5.85	N
LP 020F 01													0.500	12.70	1.227	0.022	0.133	3.38	N
LP 020F 02													0.625	15.88	0.955	0.017	0.154	3.90	N
LP 020F 03	.375	9.53	.391	9.93	.313	7.94	.020	.51	3	21	.450	.204	0.750	19.05	0.782	0.014	0.174	4.43	N
LP 020F 04													0.875	22.23	0.662	0.012	0.195	4.95	N
LP 020F 05													1.000	25.40	0.574	0.010	0.216	5.48	N
LP 020F 06													1.250	31.75	0.454	0.008	0.257	6.53	N
LP 022F 01													0.500	12.70	1.721	0.031	0.151	3.84	N
LP 022F 02													0.625	15.88	1.336	0.024	0.176	4.46	N
LP 022F 03	.375	9.53	.391	9.93	.313	7.94	.022	.56	4	28	.60	.272	0.750	19.05	1.092	0.019	0.200	5.08	N
LP 022F 04													0.875	22.23	0.923	0.016	0.225	5.71	N
LP 022F 05													1.000	25.40	0.800	0.014	0.249	6.33	N
LP 022F 06													1.250	31.75	0.631	0.011	0.298	7.57	N
LP 024F 01													0.500	12.70	2.291	0.041	0.172	4.38	N
LP 024F 02													0.625	15.88	1.773	0.032	0.202	5.13	N
LP 024F 03	.375	9.53	.391	9.93	.281	7.14	.024	.61	5	35	.750	.340	0.750	19.05	1.446	0.026	0.231	5.87	N
LP 024F 04													0.875	22.23	1.221	0.022	0.260	6.62	N
LP 024F 05													1.000	25.40	1.057	0.019	0.290	7.36	N
LP 024F 06													1.250	31.75	0.832	0.015	0.348	8.85	N
LP 016FG 01													0.500	12.70	0.551	0.010	0.093	2.37	N
LP 016FG 02													0.625	15.88	0.432	0.008	0.106	2.69	N
LP 016FG 03	.390	9.91	.406	10.31	.313	7.94	.016	.41	1.5	10	.224	.102	0.750	19.05	0.355	0.006	0.119	3.01	N
LP 016FG 04													0.875	22.23	0.301	0.005	0.131	3.33	N
LP 016FG 05													1.000	25.40	0.262	0.005	0.144	3.65	N
LP 016FG 06													1.250	31.75	0.207	0.004	0.169	4.29	P
LP 018FG 01													0.500	12.70	0.940	0.017	0.103	2.61	N
LP 018FG 02													0.625	15.88	0.734	0.013	0.116	2.96	N
LP 018FG 03	.390	9.91	.406	10.31	.313	7.94	.018	.46	2.5	17	.373	.169	0.750	19.05	0.602	0.011	0.130	3.31	N
LP 018FG 04													0.875	22.23	0.511	0.009	0.144	3.65	N
LP 018FG 05													1.000	25.40	0.443	0.008	0.158	4.00	N
LP 018FG 06													1.250	31.75	0.350	0.006	0.185	4.70	P



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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 020FG 01	.390	9.91	.406	10.31	.313	7.94	.020	.51	3.5	24	.523	.237	0.500	12.70	1.367	0.024	0.118	2.99	N
LP 020FG 02													0.625	15.88	1.065	0.019	0.134	3.41	N
LP 020FG 03													0.750	19.05	0.872	0.016	0.151	3.82	N
LP 020FG 04													0.875	22.23	0.738	0.013	0.167	4.24	N
LP 020FG 05													1.000	25.40	0.640	0.011	0.183	4.66	N
LP 020FG 06													1.250	31.75	0.506	0.009	0.216	5.49	P
LP 022FG 01	.390	9.91	.406	10.31	.313	7.94	.022	.56	4.5	31	.672	.305	0.500	12.70	1.846	0.033	0.136	3.45	N
LP 022FG 02													0.625	15.88	1.433	0.026	0.156	3.97	N
LP 022FG 03													0.750	19.05	1.171	0.021	0.176	4.48	N
LP 022FG 04													0.875	22.23	0.990	0.018	0.197	4.99	N
LP 022FG 05													1.000	25.40	0.858	0.015	0.217	5.50	N
LP 022FG 06													1.250	31.75	0.677	0.012	0.257	6.53	P
LP 024FG 01	.390	9.91	.406	10.31	.313	7.94	.024	.61	5.5	38	.821	.373	0.500	12.70	2.393	0.043	0.157	3.98	N
LP 024FG 02													0.625	15.88	1.852	0.033	0.182	4.61	N
LP 024FG 03													0.750	19.05	1.511	0.027	0.206	5.24	N
LP 024FG 04													0.875	22.23	1.276	0.023	0.231	5.87	N
LP 024FG 05													1.000	25.40	1.104	0.020	0.256	6.50	N
LP 024FG 06													1.250	31.75	0.870	0.016	0.305	7.76	P
LP 018G 01	.420	10.67	.438	11.13	.344	8.73	.018	.46	1	7	.188	.085	0.500	12.70	0.504	0.009	0.126	3.21	N
LP 018G 02													0.625	15.88	0.394	0.007	0.146	3.72	N
LP 018G 03													0.750	19.05	0.323	0.006	0.167	4.23	N
LP 018G 04													0.875	22.23	0.274	0.005	0.187	4.75	N
LP 018G 05													1.000	25.40	0.238	0.004	0.207	5.26	N
LP 018G 06													1.250	31.75	0.188	0.003	0.248	6.29	P
LP 020G 01	.420	10.67	.438	11.13	.344	8.73	.020	.51	2	14	.377	.171	0.500	12.70	0.998	0.018	0.123	3.11	N
LP 020G 02													0.625	15.88	0.777	0.014	0.140	3.57	N
LP 020G 03													0.750	19.05	0.636	0.011	0.158	4.02	N
LP 020G 04													0.875	22.23	0.539	0.010	0.176	4.47	N
LP 020G 05													1.000	25.40	0.467	0.008	0.194	4.92	N
LP 020G 06													1.250	31.75	0.369	0.007	0.229	5.83	P
LP 022G 01	.420	10.67	.438	11.13	.344	8.73	.022	.56	3	21	.565	.256	0.500	12.70	1.537	0.027	0.132	3.37	N
LP 022G 02													0.625	15.88	1.194	0.021	0.152	3.85	N
LP 022G 03													0.750	19.05	0.975	0.017	0.171	4.34	N
LP 022G 04													0.875	22.23	0.825	0.015	0.190	4.82	N
LP 022G 05													1.000	25.40	0.714	0.013	0.209	5.31	N
LP 022G 06													1.250	31.75	0.564	0.010	0.247	6.28	P
LP 024G 01	.420	10.67	.438	11.13	.344	8.73	.024	.61	4	28	.753	.342	0.500	12.70	2.135	0.038	0.147	3.74	N
LP 024G 02													0.625	15.88	1.652	0.029	0.169	4.29	N
LP 024G 03													0.750	19.05	1.348	0.024	0.191	4.85	N
LP 024G 04													0.875	22.23	1.138	0.020	0.213	5.41	N
LP 024G 05													1.000	25.40	0.985	0.018	0.235	5.96	N
LP 024G 06													1.250	31.75	0.776	0.014	0.279	7.08	P

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

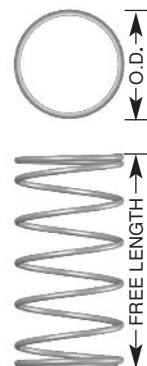
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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

COMPRESSION SPRINGS

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 026G 01	.420	10.67	.438	11.13	.344	8.73	.026	.66	5	35	.942	.427	0.500	12.70	2.807	0.050	0.165	4.18	N
LP 026G 02													0.625	15.88	2.166	0.039	0.190	4.83	N
LP 026G 03													0.750	19.05	1.763	0.031	0.216	5.48	N
LP 026G 04													0.875	22.23	1.486	0.027	0.241	6.13	N
LP 026G 05													1.000	25.40	1.285	0.023	0.267	6.78	N
LP 026G 06													1.250	31.75	1.011	0.018	0.318	8.08	P
LP 018GH 01	.438	11.13	.453	11.51	.375	9.53	.018	.46	1.5	10	.283	.128	0.750	19.05	0.452	0.008	0.125	3.16	P
LP 018GH 02													1.000	25.40	0.332	0.006	0.150	3.81	P
LP 018GH 03													1.250	31.75	0.263	0.005	0.175	4.45	P
LP 018GH 04													1.500	38.10	0.217	0.004	0.201	5.10	P
LP 018GH 05													1.750	44.45	0.185	0.003	0.226	5.74	P
LP 018GH 06													2.000	50.80	0.162	0.003	0.251	6.38	P
LP 020GH 01	.438	11.13	.453	11.51	.375	9.53	.020	.51	2.5	17	.471	.214	0.750	19.05	0.762	0.014	0.132	3.35	P
LP 020GH 02													1.000	25.40	0.559	0.010	0.158	4.01	P
LP 020GH 03													1.250	31.75	0.442	0.008	0.184	4.67	P
LP 020GH 04													1.500	38.10	0.365	0.007	0.210	5.34	P
LP 020GH 05													1.750	44.45	0.311	0.006	0.236	6.00	P
LP 020GH 06													2.000	50.80	0.271	0.005	0.262	6.66	P
LP 022GH 01	.438	11.13	.453	11.51	.375	9.53	.022	.56	3.5	24	.659	.299	0.750	19.05	1.095	0.020	0.148	3.75	P
LP 022GH 02													1.000	25.40	0.802	0.014	0.178	4.51	P
LP 022GH 03													1.250	31.75	0.632	0.011	0.208	5.27	P
LP 022GH 04													1.500	38.10	0.522	0.009	0.237	6.03	P
LP 022GH 05													1.750	44.45	0.445	0.008	0.267	6.79	P
LP 022GH 06													2.000	50.80	0.387	0.007	0.297	7.55	P
LP 024GH 01	.438	11.13	.453	11.51	.375	9.53	.024	.61	4.5	31	.848	.384	0.750	19.05	1.457	0.026	0.168	4.27	P
LP 024GH 02													1.000	25.40	1.064	0.019	0.204	5.18	P
LP 024GH 03													1.250	31.75	0.839	0.015	0.239	6.08	P
LP 024GH 04													1.500	38.10	0.692	0.012	0.275	6.98	P
LP 024GH 05													1.750	44.45	0.589	0.011	0.310	7.88	P
LP 024GH 06													2.000	50.80	0.512	0.009	0.346	8.78	P
LP 026GH 01	.438	11.13	.453	11.51	.344	8.73	.026	.66	5.5	38	1.036	.470	0.750	19.05	1.858	0.033	0.192	4.89	P
LP 026GH 02													1.000	25.40	1.354	0.024	0.235	5.97	P
LP 026GH 03													1.250	31.75	1.065	0.019	0.277	7.05	P
LP 026GH 04													1.500	38.10	0.878	0.016	0.320	8.13	P
LP 026GH 05													1.750	44.45	0.747	0.013	0.362	9.21	P
LP 026GH 06													2.000	50.80	0.649	0.012	0.405	10.29	P
LP 018H 01	.455	11.56	.469	11.91	.375	9.53	.018	.46	1	7	.216	.098	0.750	19.05	0.351	0.006	0.135	3.42	P
LP 018H 02													1.000	25.40	0.258	0.005	0.164	4.16	P
LP 018H 03													1.250	31.75	0.204	0.004	0.193	4.89	P
LP 018H 04													1.500	38.10	0.169	0.003	0.222	5.63	P
LP 018H 05													1.750	44.45	0.144	0.003	0.251	6.36	P
LP 018H 06													2.000	50.80	0.126	0.002	0.279	7.10	P



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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 020H 01	.455	11.56	.469	11.91	.375	9.53	.020	.51	2	14	.432	.196	0.750	19.05	0.696	0.012	0.130	3.30	P
LP 020H 02													1.000	25.40	0.511	0.009	0.155	3.94	P
LP 020H 03													1.250	31.75	0.404	0.007	0.180	4.58	P
LP 020H 04													1.500	38.10	0.334	0.006	0.206	5.22	P
LP 020H 05													1.750	44.45	0.284	0.005	0.231	5.87	P
LP 020H 06													2.000	50.80	0.248	0.004	0.256	6.51	P
LP 022H 01	.455	11.56	.469	11.91	.375	9.53	.022	.56	3	21	.648	.294	0.750	19.05	1.063	0.019	0.141	3.57	P
LP 022H 02													1.000	25.40	0.779	0.014	0.168	4.27	P
LP 022H 03													1.250	31.75	0.614	0.011	0.195	4.96	P
LP 022H 04													1.500	38.10	0.507	0.009	0.222	5.65	P
LP 022H 05													1.750	44.45	0.432	0.008	0.250	6.34	P
LP 022H 06													2.000	50.80	0.376	0.007	0.277	7.04	P
LP 024H 01	.455	11.56	.469	11.91	.375	9.53	.024	.61	4	28	.864	.392	0.750	19.05	1.457	0.026	0.157	4.00	P
LP 024H 02													1.000	25.40	1.065	0.019	0.189	4.79	P
LP 024H 03													1.250	31.75	0.839	0.015	0.220	5.59	P
LP 024H 04													1.500	38.10	0.692	0.012	0.252	6.39	P
LP 024H 05													1.750	44.45	0.589	0.011	0.283	7.19	P
LP 024H 06													2.000	50.80	0.513	0.009	0.315	7.99	P
LP 026H 01	.455	11.56	.469	11.91	.375	9.53	.026	.66	5	35	1.080	.490	0.750	19.05	1.887	0.034	0.178	4.51	P
LP 026H 02													1.000	25.40	1.375	0.025	0.215	5.46	P
LP 026H 03													1.250	31.75	1.082	0.019	0.252	6.40	P
LP 026H 04													1.500	38.10	0.892	0.016	0.289	7.34	P
LP 026H 05													1.750	44.45	0.758	0.014	0.326	8.28	P
LP 026H 06													2.000	50.80	0.660	0.012	0.363	9.22	P
LP 020J 01	.480	12.19	.500	12.70	.406	10.32	.020	.51	1	7	.245	.111	0.750	19.05	0.415	0.007	0.159	4.04	P
LP 020J 02													1.000	25.40	0.305	0.005	0.195	4.95	P
LP 020J 03													1.250	31.75	0.241	0.004	0.231	5.86	P
LP 020J 04													1.500	38.10	0.199	0.004	0.267	6.77	P
LP 020J 05													1.750	44.45	0.170	0.003	0.302	7.68	P
LP 020J 06													2.000	50.80	0.148	0.003	0.338	8.59	R
LP 022J 01	.480	12.19	.500	12.70	.406	10.32	.022	.56	2	14	.491	.223	0.750	19.05	0.816	0.015	0.148	3.76	P
LP 022J 02													1.000	25.40	0.597	0.011	0.178	4.53	P
LP 022J 03													1.250	31.75	0.471	0.008	0.208	5.29	P
LP 022J 04													1.500	38.10	0.389	0.007	0.238	6.05	P
LP 022J 05													1.750	44.45	0.331	0.006	0.268	6.82	P
LP 022J 06													2.000	50.80	0.288	0.005	0.298	7.58	R
LP 024J 01	.480	12.19	.500	12.70	.406	10.32	.024	.61	3	21	.736	.334	0.750	19.05	1.241	0.022	0.157	3.98	P
LP 024J 02													1.000	25.40	0.907	0.016	0.188	4.77	P
LP 024J 03													1.250	31.75	0.714	0.013	0.219	5.56	P
LP 024J 04													1.500	38.10	0.589	0.011	0.250	6.36	P
LP 024J 05													1.750	44.45	0.501	0.009	0.281	7.15	P
LP 024J 06													2.000	50.80	0.436	0.008	0.313	7.94	R

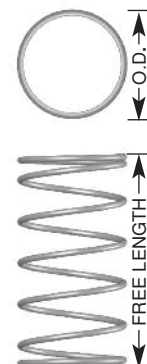
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	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 026J 01	.480	12.19	.500	12.70	.406	10.32	.026	.66	4	28	.982	.445	0.750	19.05	1.697	0.030	0.172	4.36	P
LP 026J 02													1.000	25.40	1.237	0.022	0.206	5.24	P
LP 026J 03													1.250	31.75	0.973	0.017	0.241	6.12	P
LP 026J 04													1.500	38.10	0.802	0.014	0.276	7.01	P
LP 026J 05													1.750	44.45	0.682	0.012	0.311	7.89	R
LP 026J 06													2.000	50.80	0.593	0.011	0.345	8.78	R
LP 029J 01	.480	12.19	.500	12.70	.375	9.53	.029	.74	5	35	1.227	.557	0.750	19.05	2.273	0.041	0.210	5.33	P
LP 029J 02													1.000	25.40	1.650	0.029	0.256	6.51	P
LP 029J 03													1.250	31.75	1.296	0.023	0.303	7.69	P
LP 029J 04													1.500	38.10	1.066	0.019	0.349	8.87	P
LP 029J 05													1.750	44.45	0.906	0.016	0.395	10.05	R
LP 029J 06													2.000	50.80	0.788	0.014	0.442	11.22	R
LP 022JK 01	.510	12.95	.531	13.49	.438	11.11	.022	.56	1.5	10	.383	.174	0.750	19.05	0.641	0.011	0.152	3.87	P
LP 022JK 02													1.000	25.40	0.469	0.008	0.184	4.68	P
LP 022JK 03													1.250	31.75	0.370	0.007	0.216	5.48	R
LP 022JK 04													1.500	38.10	0.306	0.005	0.247	6.28	R
LP 022JK 05													1.750	44.45	0.260	0.005	0.279	7.08	R
LP 022JK 06													2.000	50.80	0.227	0.004	0.311	7.89	R
LP 024JK 01	.510	12.95	.531	13.49	.438	11.11	.024	.61	2.5	17	.638	.290	0.750	19.05	1.069	0.019	0.153	3.89	P
LP 024JK 02													1.000	25.40	0.781	0.014	0.183	4.65	P
LP 024JK 03													1.250	31.75	0.616	0.011	0.213	5.41	R
LP 024JK 04													1.500	38.10	0.508	0.009	0.243	6.17	R
LP 024JK 05													1.750	44.45	0.432	0.008	0.273	6.93	R
LP 024JK 06													2.000	50.80	0.376	0.007	0.303	7.68	R
LP 026JK 01	.510	12.95	.531	13.49	.406	10.32	.026	.66	3.5	24	.894	.405	0.750	19.05	1.525	0.027	0.164	4.16	P
LP 026JK 02													1.000	25.40	1.111	0.020	0.196	4.97	P
LP 026JK 03													1.250	31.75	0.874	0.016	0.228	5.79	R
LP 026JK 04													1.500	38.10	0.721	0.013	0.260	6.60	R
LP 026JK 05													1.750	44.45	0.613	0.011	0.292	7.41	R
LP 026JK 06													2.000	50.80	0.533	0.010	0.324	8.22	R
LP 029JK 01	.510	12.95	.531	13.49	.406	10.32	.029	.74	4.5	31	1.149	.521	0.750	19.05	2.081	0.037	0.198	5.02	P
LP 029JK 02													1.000	25.40	1.511	0.027	0.239	6.08	P
LP 029JK 03													1.250	31.75	1.186	0.021	0.281	7.14	R
LP 029JK 04													1.500	38.10	0.976	0.017	0.323	8.20	R
LP 029JK 05													1.750	44.45	0.830	0.015	0.365	9.26	R
LP 029JK 06													2.000	50.80	0.721	0.013	0.406	10.32	R
LP 032JK 01	.510	12.95	.531	13.49	.406	10.32	.032	.81	5.5	38	1.404	.637	0.750	19.05	2.735	0.049	0.236	6.01	P
LP 032JK 02													1.000	25.40	1.978	0.035	0.290	7.37	P
LP 032JK 03													1.250	31.75	1.550	0.028	0.344	8.73	R
LP 032JK 04													1.500	38.10	1.274	0.023	0.397	10.10	R
LP 032JK 05													1.750	44.45	1.081	0.019	0.451	11.46	R
LP 032JK 06													2.000	50.80	0.939	0.017	0.505	12.82	R



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	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 022K 01	.540	13.72	.562	14.27	.469	11.91	.022	.56	1	7	.310	.141	0.750	19.05	0.521	0.009	0.155	3.94	P
LP 022K 02													1.000	25.40	0.382	0.007	0.187	4.76	P
LP 022K 03													1.250	31.75	0.301	0.005	0.220	5.59	R
LP 022K 04													1.500	38.10	0.249	0.004	0.252	6.41	R
LP 022K 05													1.750	44.45	0.212	0.004	0.285	7.24	R
LP 022K 06													2.000	50.80	0.184	0.003	0.317	8.06	R
LP 024K 01	.540	13.72	.562	14.27	.469	11.91	.024	.61	2	14	.620	.281	0.750	19.05	1.022	0.018	0.143	3.63	P
LP 024K 02													1.000	25.40	0.746	0.013	0.169	4.29	P
LP 024K 03													1.250	31.75	0.588	0.010	0.195	4.96	R
LP 024K 04													1.500	38.10	0.485	0.009	0.221	5.62	R
LP 024K 05													1.750	44.45	0.413	0.007	0.248	6.29	R
LP 024K 06													2.000	50.80	0.359	0.006	0.274	6.95	R
LP 026K 01	.540	13.72	.562	14.27	.438	11.11	.026	.66	3	21	.930	.422	0.750	19.05	1.547	0.028	0.149	3.78	P
LP 026K 02													1.000	25.40	1.128	0.020	0.175	4.45	P
LP 026K 03													1.250	31.75	0.887	0.016	0.201	5.11	R
LP 026K 04													1.500	38.10	0.731	0.013	0.228	5.78	R
LP 026K 05													1.750	44.45	0.622	0.011	0.254	6.45	R
LP 026K 06													2.000	50.80	0.541	0.010	0.280	7.12	R
LP 029K 01	.540	13.72	.562	14.27	.438	11.11	.029	.74	4	28	1.240	.563	0.750	19.05	2.161	0.039	0.176	4.47	P
LP 029K 02													1.000	25.40	1.569	0.028	0.209	5.32	P
LP 029K 03													1.250	31.75	1.232	0.022	0.243	6.17	R
LP 029K 04													1.500	38.10	1.014	0.018	0.277	7.02	R
LP 029K 05													1.750	44.45	0.861	0.015	0.310	7.88	R
LP 029K 06													2.000	50.80	0.749	0.013	0.344	8.73	R
LP 032K 01	.540	13.72	.562	14.27	.438	11.11	.032	.81	5	35	1.550	.703	0.750	19.05	2.860	0.051	0.208	5.28	P
LP 032K 02													1.000	25.40	2.069	0.037	0.251	6.37	P
LP 032K 03													1.250	31.75	1.621	0.029	0.293	7.45	R
LP 032K 04													1.500	38.10	1.332	0.024	0.336	8.54	R
LP 032K 05													1.750	44.45	1.131	0.020	0.379	9.63	R
LP 032K 06													2.000	50.80	0.982	0.018	0.422	10.71	R
LP 024KL 01	.570	14.48	.594	15.09	.469	11.91	.024	.61	1.5	10	.478	.217	0.750	19.05	0.796	0.014	0.149	3.78	P
LP 024KL 02													1.000	25.40	0.581	0.010	0.177	4.50	P
LP 024KL 03													1.250	31.75	0.458	0.008	0.205	5.22	R
LP 024KL 04													1.500	38.10	0.378	0.007	0.234	5.94	R
LP 024KL 05													1.750	44.45	0.322	0.006	0.262	6.66	R
LP 024KL 06													2.000	50.80	0.280	0.005	0.290	7.38	R
LP 026KL 01	.570	14.48	.594	15.09	.469	11.91	.026	.66	2.5	17	.797	.362	0.750	19.05	1.324	0.024	0.148	3.75	P
LP 026KL 02													1.000	25.40	0.965	0.017	0.174	4.41	P
LP 026KL 03													1.250	31.75	0.759	0.014	0.200	5.07	R
LP 026KL 04													1.500	38.10	0.626	0.011	0.225	5.73	R
LP 026KL 05													1.750	44.45	0.532	0.010	0.251	6.38	R
LP 026KL 06													2.000	50.80	0.463	0.008	0.277	7.04	R

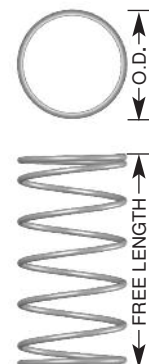
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	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 029KL 01													0.750	19.05	1.928	0.034	0.171	4.34	P
LP 029KL 02													1.000	25.40	1.400	0.025	0.203	5.15	P
LP 029KL 03	.570	14.48	.594	15.09	.469	11.91	.029	.74	3.5	24	1.116	.506	1.250	31.75	1.099	0.020	0.234	5.95	R
LP 029KL 04													1.500	38.10	0.905	0.016	0.266	6.76	R
LP 029KL 05													1.750	44.45	0.769	0.014	0.298	7.56	R
LP 029KL 06													2.000	50.80	0.668	0.012	0.329	8.36	R
LP 032KL 01													0.750	19.05	2.607	0.047	0.199	5.06	P
LP 032KL 02													1.000	25.40	1.886	0.034	0.239	6.07	P
LP 032KL 03	.570	14.48	.594	15.09	.469	11.91	.032	.81	4.5	31	1.435	.651	1.250	31.75	1.477	0.026	0.278	7.07	R
LP 032KL 04													1.500	38.10	1.214	0.022	0.318	8.07	R
LP 032KL 05													1.750	44.45	1.031	0.018	0.357	9.08	R
LP 032KL 06													2.000	50.80	0.895	0.016	0.397	10.08	R
LP 035KL 01													0.750	19.05	3.385	0.060	0.232	5.88	P
LP 035KL 02													1.000	25.40	2.439	0.044	0.281	7.13	P
LP 035KL 03	.570	14.48	.594	15.09	.469	11.91	.035	.89	5.5	38	1.754	.796	1.250	31.75	1.907	0.034	0.330	8.38	R
LP 035KL 04													1.500	38.10	1.565	0.028	0.379	9.63	R
LP 035KL 05													1.750	44.45	1.327	0.024	0.428	10.87	R
LP 035KL 06													2.000	50.80	1.152	0.021	0.477	12.12	R
LP 024L 01													0.750	19.05	0.642	0.011	0.153	3.89	P
LP 024L 02													1.000	25.40	0.469	0.008	0.183	4.65	P
LP 024L 03	.600	15.24	.625	15.88	.500	12.70	.024	.61	1	7	.383	.174	1.250	31.75	0.370	0.007	0.213	5.41	R
LP 024L 04													1.500	38.10	0.305	0.005	0.243	6.17	R
LP 024L 05													1.750	44.45	0.260	0.005	0.273	6.93	R
LP 024L 06													2.000	50.80	0.226	0.004	0.303	7.68	R
LP 026L 01													0.750	19.05	1.258	0.022	0.140	3.57	P
LP 026L 02													1.000	25.40	0.917	0.016	0.164	4.16	P
LP 026L 03	.600	15.24	.625	15.88	.500	12.70	.026	.66	2	14	.767	.348	1.250	31.75	0.721	0.013	0.187	4.75	R
LP 026L 04													1.500	38.10	0.595	0.011	0.210	5.34	R
LP 026L 05													1.750	44.45	0.506	0.009	0.233	5.93	R
LP 026L 06													2.000	50.80	0.440	0.008	0.257	6.52	R
LP 029L 01													0.750	19.05	1.943	0.035	0.158	4.01	P
LP 029L 02													1.000	25.40	1.411	0.025	0.185	4.69	P
LP 029L 03	.600	15.24	.625	15.88	.500	12.70	.029	.74	3	21	1.150	.522	1.250	31.75	1.108	0.020	0.211	5.37	R
LP 029L 04													1.500	38.10	0.912	0.016	0.238	6.05	R
LP 029L 05													1.750	44.45	0.775	0.014	0.265	6.73	R
LP 029L 06													2.000	50.80	0.673	0.012	0.292	7.40	R
LP 032L 01													0.750	19.05	2.696	0.048	0.181	4.60	P
LP 032L 02													1.000	25.40	1.950	0.035	0.213	5.42	P
LP 032L 03	.600	15.24	.625	15.88	.500	12.70	.032	.81	4	28	1.534	.696	1.250	31.75	1.528	0.027	0.246	6.24	R
LP 032L 04													1.500	38.10	1.256	0.022	0.278	7.07	R
LP 032L 05													1.750	44.45	1.066	0.019	0.311	7.89	R
LP 032L 06													2.000	50.80	0.926	0.017	0.343	8.72	R



SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 035L 01													0.750	19.05	3.537	0.063	0.208	5.28	P
LP 035L 02													1.000	25.40	2.549	0.046	0.248	6.29	P
LP 035L 03	.600	15.24	.625	15.88	.500	12.70	.035	.89	5	35	1.917	.870	1.250	31.75	1.993	0.036	0.288	7.31	R
LP 035L 04													1.500	38.10	1.635	0.029	0.328	8.32	R
LP 035L 05													1.750	44.45	1.387	0.025	0.367	9.33	R
LP 035L 06													2.000	50.80	1.204	0.021	0.407	10.35	R
LP 026LM 01													0.750	19.05	0.970	0.017	0.147	3.75	S
LP 026LM 02													1.000	25.40	0.707	0.013	0.173	4.40	S
LP 026LM 03	.630	16.00	.656	16.66	.531	13.49	.026	.66	1.5	10	.584	.265	1.250	31.75	0.556	0.010	0.199	5.06	S
LP 026LM 04													1.500	38.10	0.458	0.008	0.225	5.72	S
LP 026LM 05													1.750	44.45	0.390	0.007	0.251	6.37	S
LP 026LM 06													2.000	50.80	0.339	0.006	0.277	7.03	U
LP 029LM 01													0.750	19.05	1.647	0.029	0.159	4.03	S
LP 029LM 02													1.000	25.40	1.196	0.021	0.186	4.72	S
LP 029LM 03	.630	16.00	.656	16.66	.531	13.49	.029	.74	2.5	17	.974	.442	1.250	31.75	0.939	0.017	0.213	5.40	S
LP 029LM 04													1.500	38.10	0.773	0.014	0.240	6.09	S
LP 029LM 05													1.750	44.45	0.657	0.012	0.267	6.78	S
LP 029LM 06													2.000	50.80	0.571	0.010	0.294	7.46	U
LP 032LM 01													0.750	19.05	2.385	0.043	0.178	4.53	S
LP 032LM 02													1.000	25.40	1.726	0.031	0.210	5.33	S
LP 032LM 03	.630	16.00	.656	16.66	.531	13.49	.032	.81	3.5	24	1.364	.619	1.250	31.75	1.352	0.024	0.241	6.12	S
LP 032LM 04													1.500	38.10	1.111	0.020	0.273	6.92	S
LP 032LM 05													1.750	44.45	0.943	0.017	0.304	7.72	S
LP 032LM 06													2.000	50.80	0.819	0.015	0.335	8.52	U
LP 035LM 01													0.750	19.05	3.202	0.057	0.202	5.14	S
LP 035LM 02													1.000	25.40	2.307	0.041	0.240	6.10	S
LP 035LM 03	.630	16.00	.656	16.66	.531	13.49	.035	.89	4.5	31	1.753	.795	1.250	31.75	1.804	0.032	0.278	7.06	S
LP 035LM 04													1.500	38.10	1.480	0.026	0.316	8.01	S
LP 035LM 05													1.750	44.45	1.255	0.022	0.353	8.97	S
LP 035LM 06													2.000	50.80	1.090	0.019	0.391	9.93	U
LP 038LM 01													0.750	19.05	4.120	0.074	0.230	5.84	S
LP 038LM 02													1.000	25.40	2.958	0.053	0.275	7.00	S
LP 038LM 03	.630	16.00	.656	16.66	.500	12.70	.038	.97	5.5	38	2.143	.972	1.250	31.75	2.307	0.041	0.321	8.15	S
LP 038LM 04													1.500	38.10	1.891	0.034	0.366	9.31	S
LP 038LM 05													1.750	44.45	1.602	0.029	0.412	10.47	S
LP 038LM 06													2.000	50.80	1.389	0.025	0.458	11.62	U
LP 026M 01													0.750	19.05	0.776	0.014	0.153	3.89	S
LP 026M 02													1.000	25.40	0.566	0.010	0.181	4.60	S
LP 026M 03	.660	16.76	.687	17.45	.563	14.29	.026	.66	1	7	.463	.210	1.250	31.75	0.445	0.008	0.209	5.31	S
LP 026M 04													1.500	38.10	0.367	0.007	0.237	6.02	S
LP 026M 05													1.750	44.45	0.312	0.006	0.265	6.73	S
LP 026M 06													2.000	50.80	0.271	0.005	0.293	7.44	U

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

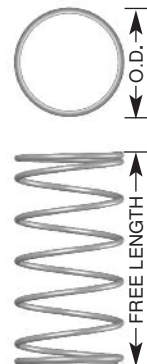
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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

COMPRESSION SPRINGS

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 029M 01													0.750	19.05	1.552	0.028	0.153	3.88	S
LP 029M 02													1.000	25.40	1.127	0.020	0.178	4.51	S
LP 029M 03	.660	16.76	.687	17.45	.563	14.29	.029	.74	2	14	.927	.420	1.250	31.75	0.885	0.016	0.202	5.14	S
LP 029M 04													1.500	38.10	0.728	0.013	0.227	5.77	S
LP 029M 05													1.750	44.45	0.619	0.011	0.252	6.40	S
LP 029M 06													2.000	50.80	0.538	0.010	0.277	7.03	U
LP 032M 01													0.750	19.05	2.384	0.043	0.167	4.24	S
LP 032M 02													1.000	25.40	1.725	0.031	0.194	4.93	S
LP 032M 03	.660	16.76	.687	17.45	.563	14.29	.032	.81	3	21	1.390	.630	1.250	31.75	1.351	0.024	0.221	5.62	S
LP 032M 04													1.500	38.10	1.111	0.020	0.248	6.31	S
LP 032M 05													1.750	44.45	0.943	0.017	0.276	7.00	S
LP 032M 06													2.000	50.80	0.819	0.015	0.303	7.69	U
LP 035M 01													0.750	19.05	3.290	0.059	0.187	4.74	S
LP 035M 02													1.000	25.40	2.371	0.042	0.218	5.55	S
LP 035M 03	.660	16.76	.687	17.45	.563	14.29	.035	.89	4	28	1.853	.841	1.250	31.75	1.854	0.033	0.250	6.35	S
LP 035M 04													1.500	38.10	1.521	0.027	0.282	7.16	S
LP 035M 05													1.750	44.45	1.290	0.023	0.313	7.96	S
LP 035M 06													2.000	50.80	1.120	0.020	0.345	8.77	U
LP 038M 01													0.750	19.05	4.290	0.077	0.210	5.33	S
LP 038M 02													1.000	25.40	3.079	0.055	0.248	6.29	S
LP 038M 03	.660	16.76	.687	17.45	.531	13.49	.038	.97	5	35	2.317	1.051	1.250	31.75	2.402	0.043	0.285	7.25	S
LP 038M 04													1.500	38.10	1.969	0.035	0.323	8.21	S
LP 038M 05													1.750	44.45	1.668	0.030	0.361	9.16	S
LP 038M 06													2.000	50.80	1.447	0.026	0.399	10.12	U
LP 029N 01													0.750	19.05	0.950	0.017	0.169	4.29	T
LP 029N 02													1.000	25.40	0.690	0.012	0.200	5.07	T
LP 029N 03	.720	18.29	.750	19.05	.625	15.88	.029	.74	1	7	.552	.250	1.250	31.75	0.542	0.010	0.230	5.85	T
LP 029N 04													1.500	38.10	0.446	0.008	0.261	6.64	T
LP 029N 05													1.750	44.45	0.379	0.007	0.292	7.42	U
LP 029N 06													2.000	50.80	0.329	0.006	0.323	8.20	U
LP 032N 01													0.750	19.05	1.886	0.034	0.164	4.17	T
LP 032N 02													1.000	25.40	1.364	0.024	0.190	4.84	T
LP 032N 03	.720	18.29	.750	19.05	.625	15.88	.032	.81	2	14	1.104	.501	1.250	31.75	1.069	0.019	0.217	5.50	T
LP 032N 04													1.500	38.10	0.878	0.016	0.243	6.16	T
LP 032N 05													1.750	44.45	0.746	0.013	0.269	6.83	U
LP 032N 06													2.000	50.80	0.648	0.012	0.295	7.49	U
LP 035N 01													0.750	19.05	2.885	0.052	0.176	4.47	T
LP 035N 02													1.000	25.40	2.079	0.037	0.203	5.16	T
LP 035N 03	.720	18.29	.750	19.05	.594	15.08	.035	.89	3	21	1.657	.751	1.250	31.75	1.625	0.029	0.231	5.86	T
LP 035N 04													1.500	38.10	1.334	0.024	0.258	6.56	T
LP 035N 05													1.750	44.45	1.131	0.020	0.286	7.25	U
LP 035N 06													2.000	50.80	0.982	0.018	0.313	7.95	U



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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 038N 01	.720	18.29	.750	19.05	.594	15.08	.038	.97	4	28	2.209	1.002	0.750	19.05	3.964	0.071	0.193	4.90	T
LP 038N 02													1.000	25.40	2.846	0.051	0.224	5.68	T
LP 038N 03													1.250	31.75	2.219	0.040	0.255	6.47	T
LP 038N 04													1.500	38.10	1.819	0.032	0.286	7.26	T
LP 038N 05													1.750	44.45	1.541	0.028	0.317	8.04	U
LP 038N 06													2.000	50.80	1.337	0.024	0.348	8.83	U
LP 042N 01	.720	18.29	.750	19.05	.594	15.08	.042	1.07	5	35	2.761	1.252	0.750	19.05	5.265	0.094	0.226	5.73	T
LP 042N 02													1.000	25.40	3.759	0.067	0.265	6.74	T
LP 042N 03													1.250	31.75	2.923	0.052	0.305	7.76	T
LP 042N 04													1.500	38.10	2.391	0.043	0.345	8.77	T
LP 042N 05													1.750	44.45	2.023	0.036	0.385	9.78	U
LP 042N 06													2.000	50.80	1.753	0.031	0.425	10.80	U
LP 035P 01	.845	21.46	.875	22.23	.719	18.26	.035	.89	1	7	.752	.341	1.000	25.40	0.978	0.017	0.231	5.88	X
LP 035P 02													1.250	31.75	0.764	0.014	0.267	6.77	X
LP 035P 03													1.500	38.10	0.627	0.011	0.302	7.67	X
LP 035P 04													1.750	44.45	0.532	0.009	0.337	8.57	X
LP 035P 05													2.000	50.80	0.462	0.008	0.372	9.46	Z
LP 035P 06													2.250	57.15	0.408	0.007	0.408	10.36	Z
LP 038P 01	.845	21.46	.875	22.23	.719	18.26	.038	.97	2	14	1.503	.682	1.000	25.40	1.909	0.034	0.213	5.40	X
LP 038P 02													1.250	31.75	1.489	0.027	0.241	6.11	X
LP 038P 03													1.500	38.10	1.221	0.022	0.268	6.82	X
LP 038P 04													1.750	44.45	1.034	0.018	0.296	7.53	X
LP 038P 05													2.000	50.80	0.897	0.016	0.324	8.23	Z
LP 038P 06													2.250	57.15	0.792	0.014	0.352	8.94	Z
LP 042P 01	.845	21.46	.875	22.23	.719	18.26	.042	1.07	3	21	2.255	1.023	1.000	25.40	2.941	0.053	0.233	5.93	X
LP 042P 02													1.250	31.75	2.287	0.041	0.264	6.71	X
LP 042P 03													1.500	38.10	1.871	0.033	0.295	7.48	X
LP 042P 04													1.750	44.45	1.583	0.028	0.325	8.26	X
LP 042P 05													2.000	50.80	1.372	0.024	0.356	9.04	Z
LP 042P 06													2.250	57.15	1.210	0.022	0.387	9.82	Z
LP 045P 01	.845	21.46	.875	22.23	.719	18.26	.045	1.14	4	28	3.007	1.364	1.000	25.40	3.997	0.071	0.248	6.29	X
LP 045P 02													1.250	31.75	3.101	0.055	0.280	7.12	X
LP 045P 03													1.500	38.10	2.533	0.045	0.313	7.95	X
LP 045P 04													1.750	44.45	2.141	0.038	0.345	8.78	X
LP 045P 05													2.000	50.80	1.854	0.033	0.378	9.60	Z
LP 045P 06													2.250	57.15	1.635	0.029	0.411	10.43	Z
LP 049P 01	.845	21.46	.875	22.23	.688	17.46	.049	1.24	5	35	3.758	1.704	1.000	25.40	5.227	0.093	0.281	7.14	X
LP 049P 02													1.250	31.75	4.042	0.072	0.320	8.13	X
LP 049P 03													1.500	38.10	3.295	0.059	0.359	9.13	X
LP 049P 04													1.750	44.45	2.781	0.050	0.399	10.13	X
LP 049P 05													2.000	50.80	2.406	0.043	0.438	11.13	Z
LP 049P 06													2.250	57.15	2.120	0.038	0.477	12.12	Z

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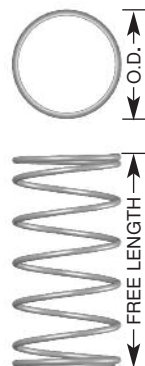
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ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 042R 01													1.250	31.75	1.055	0.019	0.320	8.12	AE
LP 042R 02													1.500	38.10	0.863	0.015	0.363	9.22	AE
LP 042R 03	.970	24.64	1.000	25.40	.844	21.43	.042	1.07	1	7	.982	.445	1.750	44.45	0.730	0.013	0.406	10.31	AE
LP 042R 04													2.000	50.80	0.633	0.011	0.449	11.40	AE
LP 042R 05													2.250	57.15	0.558	0.010	0.492	12.50	AG
LP 042R 06													2.500	63.50	0.500	0.009	0.535	13.59	AJ
LP 045R 01													1.250	31.75	2.022	0.036	0.279	7.09	AE
LP 045R 02													1.500	38.10	1.652	0.029	0.311	7.91	AE
LP 045R 03	.970	24.64	1.000	25.40	.844	21.43	.045	1.14	2	14	1.963	.890	1.750	44.45	1.396	0.025	0.344	8.73	AE
LP 045R 04													2.000	50.80	1.209	0.022	0.376	9.55	AE
LP 045R 05													2.250	57.15	1.066	0.019	0.408	10.37	AG
LP 045R 06													2.500	63.50	0.953	0.017	0.441	11.19	AJ
LP 049R 01													1.250	31.75	3.080	0.055	0.294	7.46	AE
LP 049R 02													1.500	38.10	2.511	0.045	0.327	8.31	AE
LP 049R 03	.970	24.64	1.000	25.40	.813	20.64	.049	1.24	3	21	2.945	1.336	1.750	44.45	2.119	0.038	0.360	9.15	AE
LP 049R 04													2.000	50.80	1.833	0.033	0.394	10.00	AE
LP 049R 05													2.250	57.15	1.615	0.029	0.427	10.84	AG
LP 049R 06													2.500	63.50	1.444	0.026	0.460	11.69	AJ
LP 055R 01													1.250	31.75	4.376	0.078	0.353	8.96	AE
LP 055R 02													1.500	38.10	3.557	0.064	0.396	10.06	AE
LP 055R 03	.970	24.64	1.000	25.40	.813	20.64	.055	1.40	4	28	3.927	1.781	1.750	44.45	2.996	0.053	0.439	11.15	AE
LP 055R 04													2.000	50.80	2.588	0.046	0.482	12.25	AE
LP 055R 05													2.250	57.15	2.277	0.041	0.526	13.35	AG
LP 055R 06													2.500	63.50	2.033	0.036	0.569	14.45	AJ
LP 059R 01													1.250	31.75	5.676	0.101	0.385	9.79	AE
LP 059R 02													1.500	38.10	4.604	0.082	0.434	11.02	AE
LP 059R 03	.970	24.64	1.000	25.40	.813	20.64	.059	1.50	5	35	4.909	2.226	1.750	44.45	3.872	0.069	0.482	12.25	AE
LP 059R 04													2.000	50.80	3.341	0.060	0.531	13.48	AE
LP 059R 05													2.250	57.15	2.938	0.052	0.579	14.71	AG
LP 059R 06													2.500	63.50	2.622	0.047	0.628	15.95	AJ
LP 045S 01													1.500	38.10	1.056	0.019	0.324	8.22	AE
LP 045S 02													1.750	44.45	0.893	0.016	0.358	9.10	AE
LP 045S 03	1.095	27.81	1.125	28.58	.969	24.61	.045	1.14	1	7	1.243	.564	2.000	50.80	0.773	0.014	0.393	9.98	AE
LP 045S 04													2.250	57.15	0.682	0.012	0.427	10.85	AE
LP 045S 05													2.500	63.50	0.610	0.011	0.462	11.73	AJ
LP 045S 06													2.750	69.85	0.551	0.010	0.496	12.61	AJ
LP 049S 01													1.500	38.10	2.065	0.037	0.296	7.53	AE
LP 049S 02													1.750	44.45	1.743	0.031	0.324	8.23	AE
LP 049S 03	1.095	27.81	1.125	28.58	.938	23.81	.049	1.24	2	14	2.485	1.127	2.000	50.80	1.508	0.027	0.352	8.93	AE
LP 049S 04													2.250	57.15	1.328	0.024	0.379	9.63	AE
LP 049S 05													2.500	63.50	1.187	0.021	0.407	10.34	AJ
LP 049S 06													2.750	69.85	1.073	0.019	0.434	11.04	AJ

COMPRESSION SPRINGS



SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 055S 01	1.095	27.81	1.125	28.58	.938	23.81	.055	1.40	3	21	3.728	1.691	1.500	38.10	3.211	0.057	0.339	8.62	AE
LP 055S 02													1.750	44.45	2.705	0.048	0.372	9.44	AE
LP 055S 03													2.000	50.80	2.336	0.042	0.404	10.27	AE
LP 055S 04													2.250	57.15	2.056	0.037	0.437	11.10	AE
LP 055S 05													2.500	63.50	1.836	0.033	0.470	11.93	AJ
LP 055S 06													2.750	69.85	1.658	0.030	0.502	12.76	AJ
LP 059S 01	1.095	27.81	1.125	28.58	.938	23.81	.059	1.50	4	28	4.970	2.254	1.500	38.10	4.364	0.078	0.361	9.17	AE
LP 059S 02													1.750	44.45	3.671	0.066	0.396	10.06	AE
LP 059S 03													2.000	50.80	3.167	0.057	0.431	10.94	AE
LP 059S 04													2.250	57.15	2.785	0.050	0.466	11.83	AE
LP 059S 05													2.500	63.50	2.485	0.044	0.500	12.71	AJ
LP 059S 06													2.750	69.85	2.244	0.040	0.535	13.59	AJ
LP 063S 01	1.095	27.81	1.125	28.58	.938	23.81	.063	1.60	5	35	6.213	2.818	1.500	38.10	5.600	0.100	0.391	9.92	AE
LP 063S 02													1.750	44.45	4.703	0.084	0.429	10.90	AE
LP 063S 03													2.000	50.80	4.054	0.072	0.467	11.87	AE
LP 063S 04													2.250	57.15	3.562	0.064	0.506	12.85	AE
LP 063S 05													2.500	63.50	3.177	0.057	0.544	13.83	AJ
LP 063S 06													2.750	69.85	2.867	0.051	0.583	14.80	AJ
LP 055T 01	1.218	30.94	1.250	31.75	1.063	26.99	.055	1.40	1	7	1.534	.696	1.500	38.10	1.449	0.026	0.441	11.20	AE
LP 055T 02													1.750	44.45	1.220	0.022	0.493	12.52	AE
LP 055T 03													2.000	50.80	1.054	0.019	0.544	13.83	AE
LP 055T 04													2.250	57.15	0.928	0.017	0.596	15.14	AE
LP 055T 05													2.500	63.50	0.828	0.015	0.648	16.46	AJ
LP 055T 06													2.750	69.85	0.748	0.013	0.700	17.77	AJ
LP 059T 01	1.218	30.94	1.250	31.75	1.063	26.99	.059	1.50	2	14	3.068	1.391	1.500	38.10	2.753	0.049	0.386	9.79	AE
LP 059T 02													1.750	44.45	2.315	0.041	0.425	10.79	AE
LP 059T 03													2.000	50.80	1.998	0.036	0.464	11.79	AE
LP 059T 04													2.250	57.15	1.757	0.031	0.504	12.80	AE
LP 059T 05													2.500	63.50	1.568	0.028	0.543	13.80	AJ
LP 059T 06													2.750	69.85	1.415	0.025	0.583	14.80	AJ
LP 063T 01	1.218	30.94	1.250	31.75	1.031	26.19	.063	1.60	3	21	4.602	2.087	1.500	38.10	4.124	0.074	0.384	9.76	AE
LP 063T 02													1.750	44.45	3.464	0.062	0.421	10.71	AE
LP 063T 03													2.000	50.80	2.986	0.053	0.459	11.65	AE
LP 063T 04													2.250	57.15	2.624	0.047	0.496	12.60	AE
LP 063T 05													2.500	63.50	2.340	0.042	0.533	13.54	AJ
LP 063T 06													2.750	69.85	2.111	0.038	0.570	14.49	AJ
LP 067T 01	1.218	30.94	1.250	31.75	1.031	26.19	.067	1.70	4	28	6.136	2.783	1.500	38.10	5.576	0.100	0.400	10.15	AE
LP 067T 02													1.750	44.45	4.676	0.083	0.438	11.12	AE
LP 067T 03													2.000	50.80	4.026	0.072	0.476	12.09	AE
LP 067T 04													2.250	57.15	3.535	0.063	0.514	13.06	AE
LP 067T 05													2.500	63.50	3.150	0.056	0.552	14.03	AJ
LP 067T 06													2.750	69.85	2.841	0.051	0.591	15.00	AJ

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

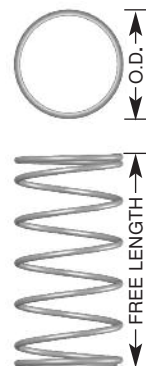
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COMPRESSION SPRINGS: LITE PRESSURE™ SERIES

ENDS NOT GROUND • Type 316 Stainless Steel (Passivated Ultrasonically Cleaned)

LEE STOCK NUMBER	OUTSIDE DIAMETER		WORK IN HOLE		WORK OVER ROD		WIRE DIAMETER		PRESSURE @ 80% DEFLECTION		LOAD AT SOLID HEIGHT		FREE LENGTH		SPRING RATE		SOLID HEIGHT		PRICE GROUP
	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 072T 01													1.500	38.10	7.225	0.129	0.438	11.14	AE
LP 072T 02													1.750	44.45	6.048	0.108	0.482	12.24	AE
LP 072T 03	1.218	30.94	1.250	31.75	1.031	26.19	.072	1.83	5	35	7.670	3.478	2.000	50.80	5.200	0.093	0.525	13.34	AE
LP 072T 04													2.250	57.15	4.561	0.081	0.568	14.44	AE
LP 072T 05													2.500	63.50	4.062	0.073	0.612	15.54	AJ
LP 072T 06													2.750	69.85	3.661	0.065	0.655	16.64	AJ
LP 063V 01													1.500	38.10	1.942	0.035	0.456	11.59	AK
LP 063V 02													1.750	44.45	1.631	0.029	0.507	12.88	AK
LP 063V 03	1.400	35.56	1.437	36.50	1.219	30.96	.063	1.60	1	7	2.027	.919	2.000	50.80	1.406	0.025	0.558	14.18	AL
LP 063V 04													2.250	57.15	1.235	0.022	0.609	15.47	AL
LP 063V 05													2.500	63.50	1.102	0.020	0.660	16.77	AM
LP 063V 06													2.750	69.85	0.994	0.018	0.711	18.06	AM
LP 067V 01													1.500	38.10	3.670	0.066	0.395	10.04	AK
LP 067V 02													1.750	44.45	3.078	0.055	0.433	10.99	AK
LP 067V 03	1.400	35.56	1.437	36.50	1.219	30.96	.067	1.70	2	14	4.055	1.839	2.000	50.80	2.650	0.047	0.470	11.94	AL
LP 067V 04													2.250	57.15	2.327	0.042	0.507	12.88	AL
LP 067V 05													2.500	63.50	2.074	0.037	0.545	13.83	AM
LP 067V 06													2.750	69.85	1.870	0.033	0.582	14.78	AM
LP 072V 01													1.500	38.10	5.541	0.099	0.402	10.22	AK
LP 072V 02													1.750	44.45	4.638	0.083	0.439	11.14	AK
LP 072V 03	1.400	35.56	1.437	36.50	1.219	30.96	.072	1.83	3	21	6.082	2.758	2.000	50.80	3.988	0.071	0.475	12.06	AL
LP 072V 04													2.250	57.15	3.498	0.062	0.511	12.99	AL
LP 072V 05													2.500	63.50	3.115	0.056	0.548	13.91	AM
LP 072V 06													2.750	69.85	2.808	0.050	0.584	14.83	AM
LP 080V 01													1.500	38.10	7.849	0.140	0.467	11.86	AK
LP 080V 02													1.750	44.45	6.550	0.117	0.512	13.00	AK
LP 080V 03	1.400	35.56	1.437	36.50	1.188	30.16	.080	2.03	4	28	8.109	3.678	2.000	50.80	5.619	0.100	0.557	14.15	AL
LP 080V 04													2.250	57.15	4.920	0.088	0.602	15.29	AL
LP 080V 05													2.500	63.50	4.376	0.078	0.647	16.43	AM
LP 080V 06													2.750	69.85	3.940	0.070	0.692	17.58	AM
LP 085V 01													1.500	38.10	10.101	0.180	0.496	12.61	AK
LP 085V 02													1.750	44.45	8.412	0.150	0.545	13.84	AK
LP 085V 03	1.400	35.56	1.437	36.50	1.188	30.16	.085	2.16	5	35	1.136	4.597	2.000	50.80	7.207	0.129	0.593	15.07	AL
LP 085V 04													2.250	57.15	6.303	0.113	0.642	16.31	AL
LP 085V 05													2.500	63.50	5.602	0.100	0.690	17.54	AM
LP 085V 06													2.750	69.85	5.040	0.090	0.739	18.77	AM
LP 067W 01													1.625	41.28	1.990	0.036	0.515	13.08	AK
LP 067W 02													1.750	44.45	1.829	0.033	0.542	13.78	AK
LP 067W 03	1.460	37.08	1.500	38.10	1.281	32.54	.067	1.70	1	7	2.209	1.002	2.000	50.80	1.575	0.028	0.597	15.18	AL
LP 067W 04													2.250	57.15	1.383	0.025	0.653	16.57	AL
LP 067W 05													2.500	63.50	1.232	0.022	0.708	17.97	AM
LP 067W 06													2.750	69.85	1.112	0.020	0.763	19.37	AM

COMPRESSION SPRINGS



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	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 072W 01	1.460	37.08	1.500	38.10	1.250	31.75	.072	1.83	2	14	4.418	2.004	1.625	41.28	3.777	0.067	0.455	11.57	AK
LP 072W 02													1.750	44.45	3.470	0.062	0.477	12.11	AK
LP 072W 03													2.000	50.80	2.983	0.053	0.519	13.19	AL
LP 072W 04													2.250	57.15	2.617	0.047	0.562	14.27	AL
LP 072W 05													2.500	63.50	2.330	0.042	0.604	15.35	AM
LP 072W 06													2.750	69.85	2.100	0.038	0.647	16.42	AM
LP 080W 01	1.460	37.08	1.500	38.10	1.250	31.75	.080	2.03	3	21	6.627	3.005	1.625	41.28	5.910	0.106	0.504	12.79	AK
LP 080W 02													1.750	44.45	5.421	0.097	0.528	13.40	AK
LP 080W 03													2.000	50.80	4.651	0.083	0.575	14.61	AL
LP 080W 04													2.250	57.15	4.072	0.073	0.623	15.82	AL
LP 080W 05													2.500	63.50	3.622	0.065	0.670	17.03	AM
LP 080W 06													2.750	69.85	3.261	0.058	0.718	18.24	AM
LP 085W 01	1.460	37.08	1.500	38.10	1.250	31.75	.085	2.16	4	28	8.836	4.007	1.625	41.28	8.007	0.143	0.521	13.25	AK
LP 085W 02													1.750	44.45	7.337	0.131	0.546	13.86	AK
LP 085W 03													2.000	50.80	6.286	0.112	0.594	15.10	AL
LP 085W 04													2.250	57.15	5.498	0.098	0.643	16.33	AL
LP 085W 05													2.500	63.50	4.886	0.087	0.692	17.57	AM
LP 085W 06													2.750	69.85	4.396	0.078	0.740	18.80	AM
LP 092W 01	1.460	37.08	1.500	38.10	1.219	30.96	.092	2.34	5	35	11.045	5.009	1.625	41.28	10.573	0.189	0.580	14.74	AK
LP 092W 02													1.750	44.45	9.676	0.173	0.609	15.46	AK
LP 092W 03													2.000	50.80	8.273	0.148	0.665	16.89	AL
LP 092W 04													2.250	57.15	7.225	0.129	0.721	18.32	AL
LP 092W 05													2.500	63.50	6.413	0.115	0.778	19.76	AM
LP 092W 06													2.750	69.85	5.765	0.103	0.834	21.19	AM
LP 067X 01	1.580	40.13	1.625	41.28	1.375	34.93	.067	1.70	1	7	2.592	1.176	1.750	44.45	1.988	0.035	0.446	11.33	AP
LP 067X 02													2.000	50.80	1.712	0.031	0.486	12.34	AR
LP 067X 03													2.250	57.15	1.503	0.027	0.525	13.34	AR
LP 067X 04													2.500	63.50	1.340	0.024	0.565	14.35	AZ
LP 067X 05													2.750	69.85	1.208	0.022	0.604	15.35	AZ
LP 067X 06													3.000	76.20	1.100	0.020	0.644	16.35	AZ
LP 072X 01	1.580	40.13	1.625	41.28	1.375	34.93	.072	1.83	2	14	5.185	2.351	1.750	44.45	3.840	0.069	0.400	10.15	AP
LP 072X 02													2.000	50.80	3.302	0.059	0.430	10.91	AR
LP 072X 03													2.250	57.15	2.896	0.052	0.460	11.67	AR
LP 072X 04													2.500	63.50	2.579	0.046	0.489	12.43	AZ
LP 072X 05													2.750	69.85	2.324	0.042	0.519	13.19	AZ
LP 072X 06													3.000	76.20	2.116	0.038	0.549	13.95	AZ
LP 080X 01	1.580	40.13	1.625	41.28	1.375	34.93	.080	2.03	3	21	7.777	3.527	1.750	44.45	5.954	0.106	0.444	11.27	AP
LP 080X 02													2.000	50.80	5.108	0.091	0.478	12.13	AR
LP 080X 03													2.250	57.15	4.473	0.080	0.511	12.99	AR
LP 080X 04													2.500	63.50	3.978	0.071	0.545	13.85	AZ
LP 080X 05													2.750	69.85	3.582	0.064	0.579	14.70	AZ
LP 080X 06													3.000	76.20	3.258	0.058	0.613	15.56	AZ

SPECIAL INSTRUCTIONS FOR LITE PRESSURE™ COMPRESSION SERIES

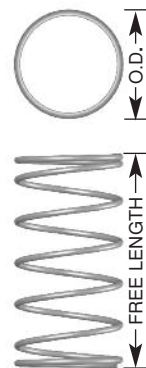
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	IN.	MM	IN.	MM	IN.	MM	IN.	MM	PSI	kPa	LB.	KG	IN.	MM	LB/IN.	KG/MM	IN.	MM	
LP 085X 01	1.580	40.13	1.625	41.28	1.344	34.13	.085	2.16	4	28	10.370	4.703	1.750	44.45	8.047	0.144	0.461	11.72	AP
LP 085X 02													2.000	50.80	6.894	0.123	0.496	12.59	AR
LP 085X 03													2.250	57.15	6.030	0.108	0.530	13.47	AR
LP 085X 04													2.500	63.50	5.358	0.096	0.565	14.35	AZ
LP 085X 05													2.750	69.85	4.821	0.086	0.599	15.22	AZ
LP 085X 06													3.000	76.20	4.382	0.078	0.634	16.10	AZ
LP 092X 01	1.580	40.13	1.625	41.28	1.344	34.13	.092	2.34	5	35	12.962	5.879	1.750	44.45	10.490	0.187	0.514	13.07	AP
LP 092X 02													2.000	50.80	8.969	0.160	0.555	14.09	AR
LP 092X 03													2.250	57.15	7.833	0.140	0.595	15.12	AR
LP 092X 04													2.500	63.50	6.953	0.124	0.636	16.15	AZ
LP 092X 05													2.750	69.85	6.250	0.112	0.676	17.17	AZ
LP 092X 06													3.000	76.20	5.676	0.101	0.717	18.20	AZ

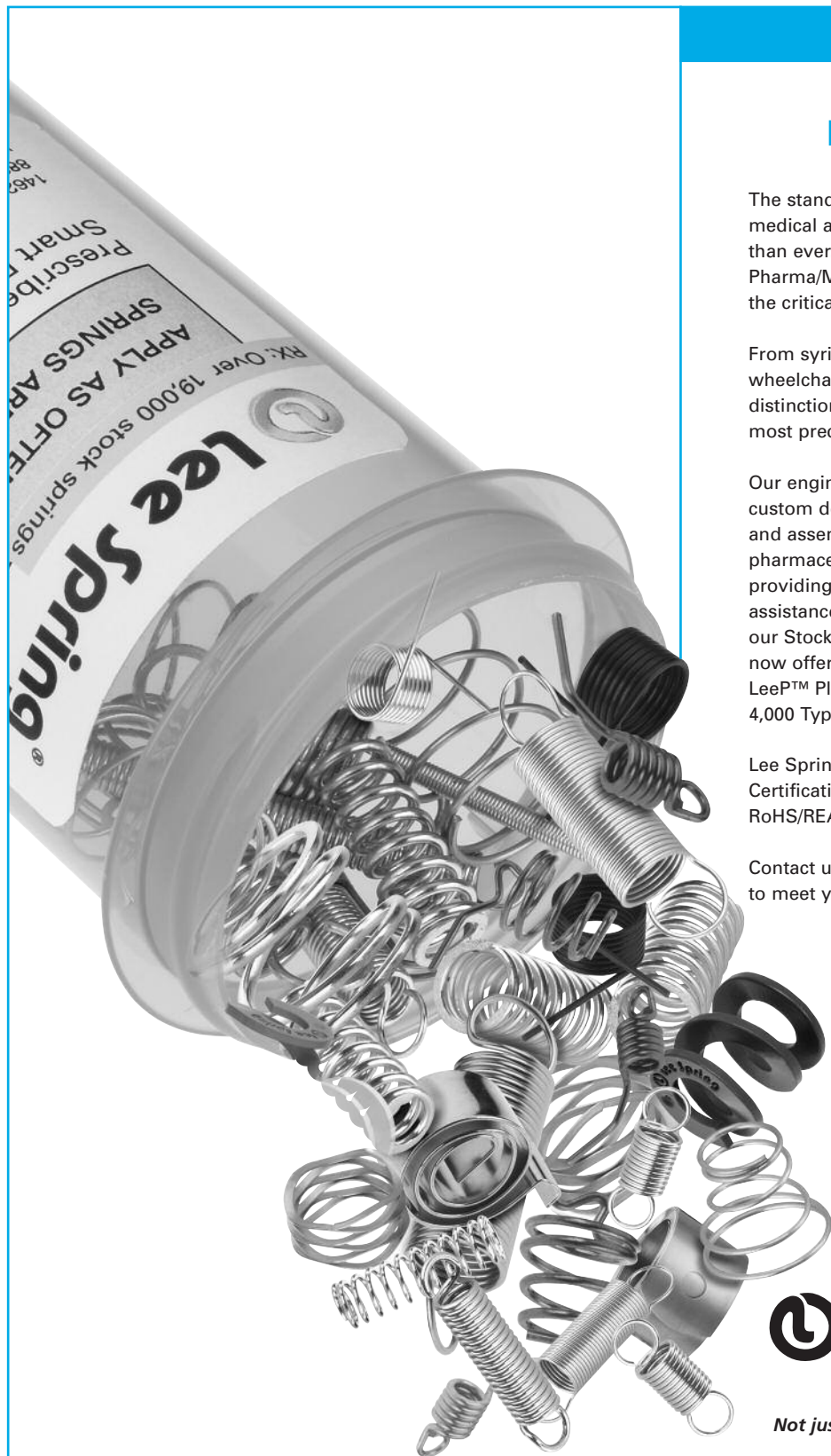
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CALCULATIONS: Spring Rate and Load at Solid Height are pre-calculated for Type 316 Stainless.



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