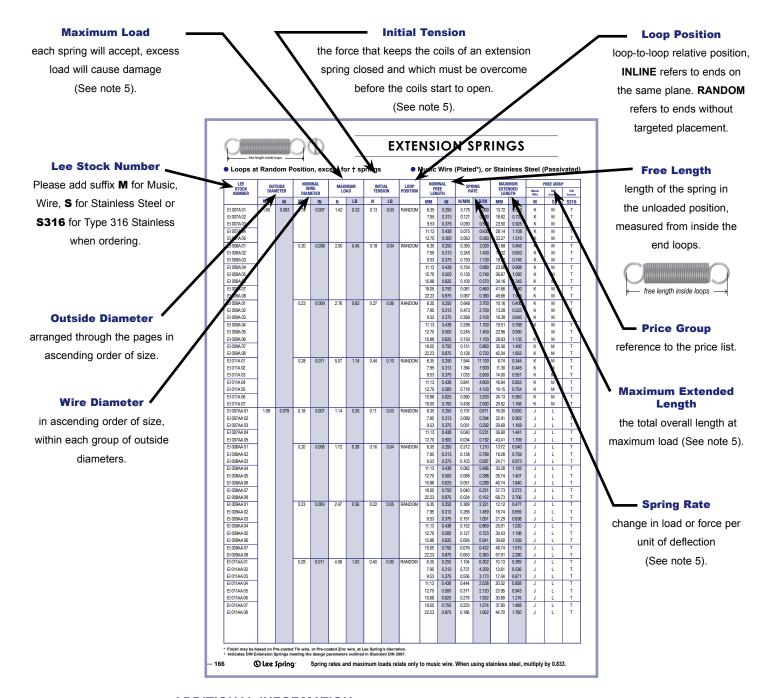
Guide to using tables



ADDITIONAL INFORMATION

- To find the load at any working length, when free length, spring rate and initial tension are given, use the formula $F = (S \times L) + F_o$ (where F is the load; S is the spring rate; L is the deflection from free length; F_o 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.
- 3 As with compression springs, in order to achieve long life and service, good design suggests that extension springs are not extended beyond 80% of their deflective capability.
- Material specifications, finishes and tolerances are detailed on page 251.
- Please note that the spring rates, maximum loads and initial tension listed in the following extension spring tables relate only to music wire. When choosing stainless steel multiply the factors by 0.833. When choosing S316 for type 316 stainless steel the maximum load and maximum extended length should be further reduced approximately 75%-90% depending on the size. To discuss S316 material applications please call Lee Spring's Engineering Department.



Loops at Random Position, except for † springs

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

LEE Stock Number	OUT DIAN	SIDE METER	W	INAL RE IETER	MAXI LO		INIT TENS		LOOP POSITION	FR	INAL EE GTH		RING TE	EXTE	IMUM NDED IGTH	Music	PRICE GROU	316
NOMBER	ММ	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	Wire M	Stainless	Stainless S316
EI 007A 01	1.60	0.063	0.18	0.007	1.42	0.32	0.13	0.03	RANDOM	6.35	0.250	0.175	1.000	13.72	0.540	K	M	T
EI 007A 02	1.00	0.005	0.10	0.007	1.72	0.52	0.13	0.00	TVAINDOIN	7.95	0.230	0.173	0.690	18.62	0.733	K	M	l '
EI 007A 03										9.53	0.375	0.093	0.530	23.50	0.925	K	M	T
EI 007A 04	1									11.13	0.438	0.075	0.430	28.14	1.108	K	M	T
EI 007A 05										12.70	0.500	0.063	0.360	33.27	1.310	K	M	T
EI 008A 01	1		0.20	0.008	2.00	0.45	0.18	0.04	RANDOM	6.35	0.250	0.350	2.000	11.68	0.460	K	М	Т
EI 008A 02										7.95	0.313	0.245	1.400	15.32	0.603	К	М	Т
EI 008A 03										9.53	0.375	0.193	1.100	18.92	0.745	К	М	Т
EI 008A 04	1									11.13	0.438	0.154	0.880	23.06	0.908	K	М	Т
EI 008A 05										12.70	0.500	0.130	0.740	26.67	1.050	K	M	Т
EI 008A 06										15.88	0.625	0.100	0.570	34.16	1.345	K	M	Т
EI 008A 07	1									19.05	0.750	0.081	0.460	41.66	1.640	K	М	Т
EI 008A 08										22.23	0.875	0.067	0.380	49.66	1.955	K	M	Т
EI 009A 01			0.23	0.009	2.76	0.62	0.27	0.06	RANDOM	6.35	0.250	0.648	3.700	10.16	0.400	K	М	Т
EI 009A 02										7.95	0.313	0.473	2.700	13.28	0.523	K	M	Т
EI 009A 03										9.53	0.375	0.368	2.100	16.38	0.645	K	M	Т
EI 009A 04										11.13	0.438	0.298	1.700	19.51	0.768	K	M	Т
EI 009A 05										12.70	0.500	0.245	1.400	22.86	0.900	K	M	T
EI 009A 06										15.88	0.625	0.193	1.100	28.83	1.135	K	M	T
EI 009A 07										19.05	0.750	0.151	0.860	35.56	1.400	K	M	T
EI 009A 08				2211				- 1-		22.23	0.875	0.126	0.720	42.04	1.655	K	M	T
EI 011A 01			0.28	0.011	5.07	1.14	0.44	0.10	RANDOM	6.35	0.250	1.944	11.100	8.74	0.344	K	M	T
EI 011A 02										7.95	0.313	1.384	7.900	11.30	0.445	K	M	T
EI 011A 03										9.53	0.375 0.438	1.033 0.841	5.900 4.800	14.00	0.551 0.655	K K	M M	T
EI 011A 04 EI 011A 05										11.13 12.70	0.438	0.718	4.000	16.64 19.15	0.000	K	M	T
EI 011A 05	-									15.88	0.625	0.716	3.200	24.13	0.754	K	M	T
EI 011A 06 EI 011A 07										19.05	0.025	0.360	2.500	29.62	1.166	K	M	T
EI 007AA 01	1.98	0.078	0.18	0.007	1.14	0.26	0.11	0.03	RANDOM	6.35	0.750	0.430	0.611	16.00	0.630	J	L	T
EI 007AA 02	1.50	0.070	0.10	0.001	1.14	0.20	0.11	0.00	TOURDOW	7.95	0.313	0.069	0.394	22.91	0.902	J	L	T
EI 007AA 03										9.53	0.375	0.051	0.292	29.69	1.169	J	L	T
EI 007AA 04	1									11.13	0.438	0.040	0.231	36.60	1.441	J	L	Т
EI 007AA 05										12.70	0.500	0.034	0.192	43.41	1.709	J	L	T
EI 008AA 01	1		0.20	0.008	1.72	0.39	0.16	0.04	RANDOM	6.35	0.250	0.212	1.210	13.72	0.540	J	L	Т
EI 008AA 02										7.95	0.313	0.138	0.789	19.28	0.759	J	L	Т
EI 008AA 03										9.53	0.375	0.103	0.587	24.71	0.973	J	L	Т
EI 008AA 04										11.13	0.438	0.082	0.466	30.28	1.192	J	L	Т
EI 008AA 05										12.70	0.500	0.068	0.388	35.74	1.407	J	L	Т
EI 008AA 06										15.88	0.625	0.051	0.289	46.74	1.840	J	L	Т
EI 008AA 07	1									19.05	0.750	0.040	0.231	57.73	2.273	J	L	Т
EI 008AA 08										22.23	0.875	0.034	0.192	68.73	2.706	J	L	Т
EI 009AA 01]		0.23	0.009	2.47	0.56	0.22	0.05	RANDOM	6.35	0.250	0.389	2.221	12.12	0.477	J	L	Т
EI 009AA 02										7.95	0.313	0.256	1.459	16.74	0.659	J	L	Т
EI 009AA 03										9.53	0.375	0.191	1.091	21.29	0.838	J	L	Т
EI 009AA 04										11.13	0.438	0.152	0.869	25.91	1.020	J	L	Т
EI 009AA 05										12.70	0.500	0.127	0.723	30.43	1.198	J	L	T
EI 009AA 06										15.88	0.625	0.095	0.541	39.60	1.559	J	L	T
EI 009AA 07										19.05	0.750	0.076	0.432	48.74	1.919	J	L	T
EI 009AA 08			0.00	0.044	450	4.00	0.40	0.00	DANDON	22.23	0.875	0.063	0.360	57.91	2.280	J	L	T
EI 011AA 01			0.28	0.011	4.58	1.03	0.40	0.09	RANDOM	6.35	0.250	1.104	6.302	10.13	0.399	J	L	T
EI 011AA 02										7.95	0.313	0.737	4.209	13.61	0.536	J	L	T
EI 011AA 03	-									9.53	0.375	0.556	3.173	17.04	0.671	J	L	T
EI 011AA 04										11.13	0.438	0.444	2.538	20.52	0.808	J	L	T
EI 011AA 05										12.70	0.500	0.371	2.120	23.95	0.943	J	L	
EI 011AA 06 EI 011AA 07	-									15.88 19.05	0.625 0.750	0.279 0.223	1.592 1.274	30.89 37.80	1.216 1.488	J	L	T
EI 011AA 07 EI 011AA 08										22.23	0.750	0.223	1.274	37.80 44.70	1.488	J	L	T
_1 0 1 17/4 00										22.23	0.075	0.100	1.002	44.70	1.700	J	-	'

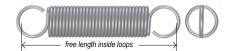
^{*} Finish may be based on Pre-coated Tin wire, or Pre-coated Zinc wire, at Lee Spring's discretion.
† Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

EIM020A 01 EIM020A 02 EIM020A 03 EIM020A 04 EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 04 EIM025A 05 EIM025A 06 EIM025A 07	MM 2.00	IN 0.079	MM 0.20	IN	LO.	-		SION	POSITION			l RA			4.4 (4.4)	Music	302	316
EIM020A 02 EIM020A 03 EIM020A 04 EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06											GTH		15/11	LEN		Wire	Stainless	Stainless
EIM020A 02 EIM020A 03 EIM020A 04 EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06	2.00	0.079	0.20	0.000	N 4.70	LB	N	LB	DANIDOM	MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
EIM020A 03 EIM020A 04 EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06				0.008	1.70	0.38	0.13	0.03	RANDOM	10.00	0.394 0.492	0.099 0.070	0.564 0.401	25.86 34.75	1.018 1.368	K	M	SPECIA SPECIA
EIM020A 04 EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06										12.50 15.00	0.492	0.070	0.401	34.75 43.64	1.718	K K	M M	SPECIA
EIM020A 05 EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06										17.50	0.591	0.035	0.312	52.55	2.069	K	M	SPECIA
EIM025A 01 EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06										20.00	0.787	0.043	0.235	61.44	2.419	K	M	SPECIA
EIM025A 02 EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06			0.25	0.010	3.37	0.76	0.27	0.06	RANDOM	10.00	0.394	0.325	1.858	19.53	0.769	K	M	SPECIA
EIM025A 03 EIM025A 04 EIM025A 05 EIM025A 06			0.20	0.010	0.01	0.10	0.21	0.00	TURBOM	12.50	0.492	0.232	1.327	25.83	1.017	K	M	SPECIA
EIM025A 04 EIM025A 05 EIM025A 06										15.00	0.591	0.181	1.032	32.16	1.266	К	M	SPECIA
EIM025A 06										17.50	0.689	0.148	0.844	38.48	1.515	K	М	SPECIA
										20.00	0.787	0.125	0.714	44.78	1.763	K	М	SPECIA
EIMO25A O7										22.50	0.886	0.108	0.619	51.10	2.012	K	М	SPECIA
EIIVIUZSA UI										25.00	0.984	0.096	0.546	57.43	2.261	K	М	SPECIA
EI 010B 01	2.39	0.094	0.25	0.010	2.67	0.60	0.22	0.05	RANDOM	9.53	0.375	0.210	1.200	21.21	0.835	J	L	Т
EI 010B 02										11.13	0.438	0.165	0.940	26.11	1.028	J	L	T
EI 010B 03										12.70	0.500	0.133	0.760	30.99	1.220	J	L	Т
EI 010B 04										15.88	0.625	0.098	0.560	40.77	1.605	J	L	T
EI 010B 05										19.05	0.750	0.077	0.440	50.80	2.000	J	L	T
EI 010B 06										22.23	0.875	0.063	0.360	61.09	2.405	J	L	T
EI 010B 07			0.00	0.044	3 50	0.00	0.24	0.07	DANIDOM	25.40	1.000	0.054	0.310	70.36	2.770	J	L	T
EI 011B 01 EI 011B 02			0.28	0.011	3.56	0.80	0.31	0.07	RANDOM	9.53 11.13	0.375 0.438	0.350 0.268	2.000 1.530	18.92 23.32	0.745 0.918	J J	L L	'
EI 011B 02 EI 011B 03										12.70	0.436	0.200	1.260	27.43	1.080	J	L	'
EI 011B 03										15.88	0.625	0.221	0.930	35.69	1.405	J	L	T
EI 011B 04										19.05	0.750	0.103	0.330	44.45	1.750	J	Ĺ	'T
EI 011B 06										22.23	0.875	0.105	0.600	53.21	2.095	J	L	T .
EI 011B 07										25.40	1.000	0.091	0.517	60.96	2.400	J	-	T
EI 012B 01			0.30	0.012	4.45	1.00	0.44	0.10	RANDOM	9.53	0.375	0.560	3.200	16.64	0.655	J	L	Т
EI 012B 02										11.13	0.438	0.420	2.400	20.78	0.818	J	L	Т
EI 012B 03										12.70	0.500	0.350	2.000	24.13	0.950	J	L	Т
EI 012B 04										15.88	0.625	0.263	1.500	31.12	1.225	J	L	T
EI 012B 05										19.05	0.750	0.210	1.200	38.10	1.500	J	L	T
EI 012B 06										22.23	0.875	0.168	0.960	46.10	1.815	J	L	T
EI 012B 07										25.40	1.000	0.144	0.820	53.34	2.100	J	L	T
EI 013B 01			0.33	0.013	5.56	1.25	0.58	0.13	RANDOM	9.53	0.375	0.841	4.800	15.37	0.605	J	L	T
EI 013B 02										11.13	0.438	0.648	3.700	18.75	0.738	J	L	T
EI 013B 03										12.70	0.500	0.543	3.100	21.84	0.860	J	L	T
EI 013B 04										15.88	0.625	0.396	2.260	28.58	1.125	J	L	T
EI 013B 05 EI 013B 06										19.05 22.23	0.750 0.875	0.315 0.263	1.800 1.500	34.80 41.28	1.370 1.625	J	L	T
EI 013B 00 EI 013B 07										25.40	1.000	0.203	1.270	47.75	1.880	J	L	'
EI 014B 01			0.36	0.014	6.67	1.50	0.76	0.17	RANDOM	9.53	0.375	1.243	7.100	14.35	0.565	J	L	T
EI 014B 02			0.50	0.014	0.07	1.00	0.70	0.17	TVAINDOW	11.13	0.438	0.963	5.500	17.22	0.678	J	L	' T
EI 014B 03										12.70	0.500	0.806	4.600	20.07	0.790	J	L	T
EI 014B 04										15.88	0.625	0.595	3.400	25.78	1.015	J	L	T
EI 014B 05										19.05	0.750	0.473	2.700	31.50	1.240	J	L	Т
EI 014B 06										22.23	0.875	0.385	2.200	37.47	1.475	J	L	Т
EI 014B 07										25.40	1.000	0.333	1.900	43.18	1.700	J	L	Т
EI 016B 01			0.41	0.016	10.05	2.26	0.85	0.19	RANDOM	9.53	0.375	2.487	14.200	13.23	0.521	J	L	Т
EI 016B 02										11.13	0.438	1.926	11.000	15.90	0.626	J	L	Т
EI 016B 03										12.70	0.500	1.611	9.200	18.42	0.725	J	L	T
EI 016B 04										15.88	0.625	1.191	6.800	23.60	0.929	J	L	T
EI 016B 05										19.05	0.750	0.928	5.300	28.98	1.141	J	L	T
EI 016B 06										22.23	0.875	0.771	4.400	34.16	1.345	J	L	T
EI 016B 07										25.40	1.000	0.648	3.700	39.60	1.559	J	L	

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



Loops at Random Position, except for † springs

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

LEE STOCK		TSIDE Meter	W	IINAL IRE	MAXI LO	MUM AD		TIAL SION	LOOP POSITION	FR	INAL EE		RING NTE	EXTE	IMUM NDED	Music	PRICE GROU	316
NUMBER			_	IETER							GTH				GTH	Wire	Stainless	Stainless
EIMOSED 04	MM	0.000	MM	0.010	N OAE	LB 0.55	0.10	LB	DANDOM	MM 9.50	0.274	N/MM	LB/IN 0.960	MM 22.96	IN 0.904	M	S	SPECIA
EIM025B 01 EIM025B 02	2.50	0.098	0.25	0.010	2.45	0.55	0.18	0.04	RANDOM	9.50	0.374 0.433	0.168 0.131	0.960	22.96	1.113	K K	M M	SPECIA
EIM025B 02										12.50	0.433	0.131	0.750	33.83	1.332	K	M	SPECIA
EIM025B 03										15.50	0.432	0.107	0.450	44.20	1.740	K	M	SPECIA
EIM025B 05										19.00	0.748	0.060	0.340	57.10	2.248	K	M	SPECIA
EIM025B 06	-									22.00	0.866	0.051	0.290	66.70	2.626	K	M	SPECIA
EIM025B 07										25.00	0.984	0.042	0.240	79.10	3.114	К	М	SPECIA
EIM030B 01	1		0.30	0.012	4.61	1.04	0.40	0.09	RANDOM	10.00	0.394	0.490	2.798	18.59	0.732	K	М	SPECIA
EIM030B 02										12.50	0.492	0.333	1.904	25.12	0.989	K	М	SPECIA
EIM030B 03										15.00	0.591	0.253	1.443	31.65	1.246	K	М	SPECIA
EIM030B 04										17.50	0.689	0.203	1.162	38.18	1.503	K	М	SPECIA
EIM030B 05										20.00	0.787	0.170	0.973	44.70	1.760	K	М	SPECIA
EIM030B 06										22.50	0.886	0.146	0.836	51.23	2.017	K	М	SPECIA
EIM030B 07										25.00	0.984	0.128	0.733	57.76	2.274	K	М	SPECIA
LEM050ZA 01†			0.50	0.020	16.10	3.62	2.45	0.55	INLINE	7.90	0.311	7.980	45.57	9.60	0.378	K	М	SPECIA
LEM050ZA 02†										10.90	0.429	4.980	28.44	13.64	0.537	K	M	SPECIA
LEM050ZA 03†	0.77	0.400	0.05	0.040	0.04	0.50	0.00	0.05	DANIBON	15.40	0.606	3.190	18.22	19.69	0.775	K	M	SPECIA
EI 010C 01	2.77	0.109	0.25	0.010	2.34	0.53	0.22	0.05	RANDOM	9.53	0.375	0.144	0.821	24.26	0.955	J	L	T
EI 010C 02										11.13	0.438	0.107	0.613	30.84	1.214	J	L	T
EI 010C 03 EI 010C 04										12.70 15.88	0.500 0.625	0.086 0.061	0.491	37.29 50.34	1.468 1.982	J	L L	T
EI 010C 04 EI 010C 05										19.05	0.025	0.061	0.330	63.40	2.496	J	L	' T
EI 010C 05										22.23	0.750	0.046	0.272	76.45	3.010	J	L	T
EI 010C 07										25.40	1.000	0.033	0.223	89.51	3.524	J	L	' _T
EI 011C 01			0.28	0.011	3.13	0.70	0.29	0.07	RANDOM	9.53	0.375	0.235	1.341	21.62	0.851	J	L	T
EI 011C 02			0.20	0.011	0.10	0.70	0.20	0.07	TO WILDOW	11.13	0.438	0.176	1.006	27.23	1.072	Ĵ	L	T .
EI 011C 03										12.70	0.500	0.141	0.807	32.77	1.290	J	L	T
EI 011C 04										15.88	0.625	0.101	0.578	43.92	1.729	J	L	T
EI 011C 05										19.05	0.750	0.079	0.450	55.09	2.169	J	L	Т
EI 011C 06										22.23	0.875	0.064	0.368	66.24	2.608	J	L	Т
EI 011C 07										25.40	1.000	0.055	0.312	77.39	3.047	J	L	Т
EI 012C 01	1		0.30	0.012	4.07	0.92	0.38	0.09	RANDOM	9.53	0.375	0.368	2.103	19.56	0.770	J	L	Т
EI 012C 02										11.13	0.438	0.277	1.584	24.43	0.962	J	L	Т
EI 012C 03										12.70	0.500	0.223	1.274	29.24	1.151	J	L	Т
EI 012C 04										15.88	0.625	0.160	0.914	38.94	1.533	J	L	T
EI 012C 05										19.05	0.750	0.125	0.713	48.62	1.914	J	L	T
EI 012C 06										22.23	0.875	0.102	0.584	58.32	2.296	J	L	T
EI 012C 07			0.00	0.040	- 10	4.47	0.47	0.44	DANIBOR	25.40	1.000	0.087	0.495	68.00	2.677	J	L	T
EI 013C 01			0.33	0.013	5.19	1.17	0.47	0.11	RANDOM	9.53	0.375	0.558	3.187	17.98	0.708	J	L	T
EI 013C 02										11.13	0.438	0.422	2.409	22.30	0.878	J	L	T
EI 013C 03 EI 013C 04										12.70 15.88	0.500 0.625	0.340 0.245	1.943 1.397	26.57 35.15	1.046 1.384	J	L	T
EI 013C 04 EI 013C 05										19.05	0.625	0.245	1.091	43.74	1.384	J	L	' T
EI 013C 05										22.23	0.750	0.191	0.895	52.32	2.060	J	L	T
EI 013C 00										25.40	1.000	0.137	0.093	60.91	2.398	J	L	' T
EI 014C 01			0.36	0.014	6.51	1.46	0.58	0.13	RANDOM	9.53	0.375	0.133	4.690	16.74	0.659	J	L	T
EI 014C 02			3.00	5.011	5.51	0	3.50	J 0		11.13	0.438	0.623	3.559	20.65	0.813	J	L	T .
EI 014C 03										12.70	0.500	0.504	2.877	24.46	0.963	J	L	T .
EI 014C 04										15.88	0.625	0.363	2.074	32.21	1.268	J	L	T
EI 014C 05										19.05	0.750	0.284	1.622	39.93	1.572	J	L	Т
EI 014C 06	1									22.23	0.875	0.233	1.332	47.65	1.876	J	L	Т
EI 014C 07										25.40	1.000	0.198	1.130	55.37	2.180	J	L	Т
LEM055ZB 01†	2.80	0.110	0.55	0.022	19.00	4.27	2.79	0.63	INLINE	8.80	0.346	8.180	46.71	10.77	0.424	J	L	SPECIAL
LEM055ZB 02†										12.10	0.476	5.110	29.18	15.27	0.601	J	L	SPECIAL
LEM055ZB 03†										17.00	0.669	3.270	18.67	21.97	0.865	J	L	SPECIAL

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



Loops at Random Position, except for † springs

LEE STOCK NUMBER		ISIDE Meter	WI	INAL RE IETER	MAXI LO		INIT TENS		LOOP POSITION		INAL EE GTH		ING TE	MAXI EXTEI LEN	NDED	Music Wire	302 Statelage	316
HOMBEN	ММ	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	Stainless	Stainless S316
EIM030C 01	3.00	0.118	0.30	0.012	3.74	0.84	0.33	0.08	RANDOM	10.00	0.394	0.323	1.847	20.52	0.808	K	M	SPECIA
EIM030C 01	3.00	0.116	0.30	0.012	3.74	0.04	0.55	0.06	KANDOW	12.50	0.394	0.323	1.169	29.13	1.147	K	M	SPECIA
EIM030C 02										15.00	0.492	0.205	0.855	37.74	1.486	K	M	SPECIA
EIM030C 03	-									17.50	0.689	0.130	0.674	46.33	1.824	K	M	SPECIA
EIM030C 04 EIM030C 05										20.00	0.009	0.116	0.556	54.94	2.163	K	M	SPECIA
EIM030C 05	-									22.50	0.767	0.097	0.330	63.55	2.502	K	M	SPECIA
EIM030C 00										25.00	0.984	0.003	0.412	72.16	2.841	K	M	SPECIA
LEM035A 01	-		0.35	0.014	4.90	1.10	0.53	0.12	RANDOM	12.50	0.492	0.387	2.21	23.67	0.932	J	L	SPECIA
LEM035A 02			0.00	0.014	4.50	1.10	0.00	0.12	TVWINDOW	14.00	0.551	0.322	1.84	27.46	1.081	J	L	SPECIA
LEM035A 03										15.50	0.610	0.277	1.58	31.24	1.230	J	L	SPECIA
LEM035A 04	-									17.00	0.669	0.242	1.38	35.03	1.379	J	L	SPECIA
LEM035A 05										19.00	0.748	0.208	1.19	39.83	1.568	J	L	SPECIA
LEM035A 06										21.00	0.827	0.182	1.04	44.88	1.767	J	L	SPECIA
LEM035A 07	-									23.00	0.906	0.161	0.92	50.19	1.976	J	L	SPECIA
LEM035A 08										25.00	0.984	0.145	0.83	54.97	2.164	J	L	SPECIA
LEM035A 09										30.00	1.181	0.117	0.67	67.08	2.641	K	М	SPECIA
LEM035A 10	1									35.00	1.378	0.096	0.55	80.21	3.158	K	М	SPECIA
LEM035A 11										40.00	1.575	0.084	0.48	91.82	3.615	K	М	SPECIA
LEM063A 01†			0.63	0.025	26.20	5.89	4.19	0.94	INLINE	9.70	0.382	12.100	69.09	11.56	0.455	J	L	SPECIA
LEM063A 02†										13.50	0.531	7.510	42.88	16.46	0.648	J	L	SPECIA
LEM063A 03†										19.20	0.756	4.810	27.47	23.83	0.938	J	L	SPECIA
LE 014A 01	3.18	0.125	0.36	0.014	4.89	1.10	0.53	0.12	RANDOM	12.70	0.500	0.350	2.00	25.15	0.990	J	L	U
LE 014A 02										14.30	0.563	0.289	1.65	29.29	1.153	J	L	U
LE 014A 03										15.88	0.625	0.245	1.40	33.66	1.325	J	L	U
LE 014A 04										19.05	0.750	0.189	1.08	42.16	1.660	J	L	U
LE 014A 05										20.65	0.813	0.170	0.97	46.30	1.823	J	L	U
LE 014A 06	_									22.23	0.875	0.154	0.88	50.42	1.985	J	L	U
LE 014A 07										23.83	0.938	0.142	0.81	54.56	2.148	J	L	U
LE 014A 08										25.40	1.000	0.131	0.75	58.67	2.310	K	M	V
LE 014A 09	-									28.58	1.125	0.113	0.64	67.44	2.655	K	M	V
LE 014A 10										31.75	1.250	0.099	0.57	75.44	2.970	K	M	V
LE 014A 11										34.93 38.10	1.375	0.088	0.50	84.71 92.81	3.335	K K	M M	V
LE 014A 12 LE 016A 003	-		0.41	0.016	7.12	1.60	0.89	0.20	RANDOM	9.53	1.500 0.375	0.080 1.229	0.46 7.02	14.61	3.654 0.575	J	L	U
LE 016A 003 LE 016A 002			0.41	0.016	1.12	1.00	0.09	0.20	KANDOW	9.55 12.70	0.500	0.718	4.10	21.34	0.840	J	L	U
LE 016A 001										15.88	0.625	0.710	2.86	28.32	1.115	J	L	U
LE 016A 00	-									19.05	0.750	0.368	2.10	36.07	1.420	J	L	U
LE 016A 0										22.23	0.750	0.306	1.75	42.55	1.675	J	L	U
LE 016A 01										25.40	1.000	0.263	1.50	49.02	1.930	K	M	V
LE 016A 02	-									28.58	1.125	0.228	1.30	56.01	2.205	K	M	V
LE 016A 03										31.75	1.250	0.210	1.20	61.47	2.420	K	M	V
LE 016A 04										34.93	1.375	0.175	1.00	70.49	2.775	K	M	V
LE 016A 05	1									38.10	1.500	0.158	0.90	77.72	3.060	L	N	W
LE 016A 06										44.45	1.750	0.137	0.78	89.92	3.540	L	N	W
LE 016A 07										50.80	2.000	0.118	0.68	103.12	4.060	М	Р	Х
LE 018A 003			0.46	0.018	9.79	2.20	1.33	0.30	RANDOM	9.53	0.375	2.264	12.93	13.26	0.522	J	L	U
LE 018A 002										12.70	0.500	1.328	7.58	19.05	0.750	J	L	U
LE 018A 001										15.88	0.625	0.937	5.35	25.02	0.985	J	L	U
LE 018A 00										19.05	0.750	0.701	4.00	31.24	1.230	J	L	U
LE 018A 0										22.23	0.875	0.578	3.30	36.96	1.455	J	L	U
E 018A 01										25.40	1.000	0.508	2.90	42.16	1.660	K	М	V
LE 018A 02										28.58	1.125	0.438	2.50	47.88	1.885	K	М	V
LE 018A 03										31.75	1.250	0.385	2.20	53.59	2.110	K	М	V
LE 018A 04										34.93	1.375	0.350	2.00	59.06	2.325	K	М	V
LE 018A 05										38.10	1.500	0.315	1.80	65.02	2.560	L	N	W
LE 018A 06										44.45	1.750	0.263	1.50	76.71	3.020	L	N	W
LE 018A 07										50.80	2.000	0.228	1.30	87.88	3.460	М	Р	X
	1									57.15	2.250	0.198	1.13	99.82	3.930	М	Р	X
LE 018A 08	1																1	1
_E 018A 08																		

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Loops at Random Position, except for † springs

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

LEE Stock Number		SIDE METER	WI	IINAL IRE IETER	MAXI LO	MUM AD	INIT TENS		LOOP POSITION	FR	INAL REE GTH		RING NTE		MUM NDED GTH	Music	PRICE GROU	316
NUMBEN	ММ	IN			N	LB	N	LB				N/MM	I D/IN			Wire	Stainless	Stainless
I E 000 A 000			MM 0.54	IN 0.020		2.90	1.78		RANDOM	MM 40.70	0.500		LB/IN	MM 17.53	IN 0.690	M		S316
LE 020A 002 LE 020A 001	3.18	0.125	0.51	0.020	12.90	2.90	1.78	0.40	RANDOM	12.70 15.88	0.500 0.625	2.343 1.650	13.38 9.42	22.73	0.895	J J	L	U
LE 020A 001 LE 020A 00										19.05	0.023	1.313	7.50	27.43	1.080	J	L	U
LE 020A 0										22.23	0.750	1.051	6.00	32.89	1.295	J	L	U
LE 020A 01										25.40	1.000	0.893	5.10	37.85	1.490	K	M	V
LE 020A 02										28.58	1.125	0.771	4.40	43.05	1.695	K	M	V
LE 020A 03										31.75	1.250	0.683	3.90	48.01	1.890	K	М	V
LE 020A 04										34.93	1.375	0.613	3.50	52.96	2.085	К	М	V
LE 020A 05										38.10	1.500	0.560	3.20	57.91	2.280	L	N	W
LE 020A 06										44.45	1.750	0.473	2.70	68.07	2.680	L	N	W
LE 020A 07										50.80	2.000	0.403	2.30	78.49	3.090	М	Р	X
LE 020A 08										57.15	2.250	0.350	2.00	88.90	3.500	М	Р	Х
LE 022A 01			0.56	0.022	17.35	3.90	2.00	0.45	RANDOM	15.88	0.625	2.820	16.10	21.21	0.835	J	L	U
LE 022A 02										19.05	0.750	2.172	12.40	26.16	1.030	J	L	U
LE 022A 03										22.23	0.875	1.786	10.20	30.86	1.215	J	L	U
LE 022A 04										25.40	1.000 1.125	1.524	8.70	35.56	1.400	K K	M M	V
LE 022A 05 LE 022A 06										28.58 31.75	1.125	1.313 1.156	7.50 6.60	40.26 44.96	1.585 1.770	K K	M	V
LE 022A 06 LE 022A 07										34.93	1.375	1.051	6.00	49.40	1.770	K	M	V
LE 022A 07 LE 022A 08										38.10	1.500	0.946	5.40	54.36	2.140	L	N	l w
LE 022A 09										44.45	1.750	0.788	4.50	64.01	2.520	<u>-</u>	N	W
LE 022A 10										50.80	2.000	0.683	3.90	73.15	2.880	M	Р	X
LE 022A 11										57.15	2.250	0.599	3.42	82.80	3.260	М	Р	X
LE 022A 12										63.50	2.500	0.534	3.05	92.20	3.630	М	Р	X
LEM050AB 01†	3.50	0.138	0.50	0.020	12.00	2.7	1.77	0.40	INLINE	9.50	0.374	2.350	13.42	13.82	0.544	J	L	SPECIA
LEM050AB 02†										12.50	0.492	1.470	8.39	19.41	0.764	J	L	SPECIA
LEM050AB 03†										17.00	0.669	0.940	5.37	27.79	1.094	J	L	SPECIA
LEM050AB 04†										24.50	0.965	0.590	3.37	41.81	1.646	K	M	SPECIAL
LEM050AB 05†										290.00	11.417	0.050	0.29	500.00	19.685	BC	BD	SPECIAL
LEM055AB 01†			0.55	0.022	15.70	3.53	2.38	0.54	INLINE	9.90	0.390	3.630	20.73	13.59	0.535	J	L	SPECIAL
LEM055AB 02†										13.20	0.520	2.270	12.96	19.10	0.752	J	L	SPECIAL
LEM055AB 03† LEM055AB 04†										18.10 26.40	0.713 1.039	1.450 0.900	8.28 5.14	27.31 41.10	1.075 1.618	J K	L M	SPECIAI SPECIAI
LEM070AB 01†			0.70	0.028	30.70	6.90	4.47	1.01	INLINE	11.10	0.437	11.100	63.38	13.46	0.530	K	M	SPECIAL
LEM070AB 01†			0.70	0.020	30.70	0.50	7.77	1.01	IIVEIIVE	15.30	0.602	6.950	39.69	19.08	0.751	K	M	SPECIAL
LEM070AB 03†										21.60	0.850	4.440	25.35	27.51	1.083	K	M	SPECIAL
EIM030D 01	4.00	0.157	0.30	0.012	2.73	0.61	0.25	0.06	RANDOM	10.00	0.394	0.186	1.060	23.39	0.921	K	M	SPECIAL
EIM030D 02										12.50	0.492	0.113	0.644	34.57	1.361	К	М	SPECIAL
EIM030D 03										15.00	0.591	0.074	0.424	48.49	1.909	K	М	SPECIAL
EIM030D 04										17.50	0.689	0.055	0.316	62.41	2.457	K	М	SPECIA
EIM030D 05										20.00	0.787	0.044	0.252	76.33	3.005	K	М	SPECIAL
EIM030D 06										22.50	0.886	0.037	0.210	90.25	3.553	K	M	SPECIAL
EIM030D 07										25.00	0.984	0.031	0.179	104.17	4.101	K	M	SPECIAL
EIM030D 08										27.50	1.083	0.027	0.157	118.08	4.649	K	M	SPECIAL
EIM030D 09			0.00	0.004	20.00	0.07	F 00	4.24	INII INIT	30.00	1.181	0.024	0.139	132.00	5.197	K	M	SPECIAL
LEM080AC 01† LEM080AC 02†			0.80	0.031	39.90	8.97	5.96	1.34	INLINE	12.60 17.40	0.496 0.685	12.700 8.000	72.52 45.68	15.27 21.67	0.601 0.853	J	L	SPECIAI SPECIAI
LEM080AC 021										24.60	0.000	5.100	45.00 29.12	31.27	1.231	K	M	SPECIA
LEM045B 01	4.50	0.177	0.45	0.018	6.85	1.54	0.62	0.14	RANDOM	15.50	0.610	0.366	2.09	32.51	1.280	J	L	SPECIA
LEM045B 02		Ų. // /	5.10	0.010	0.00		J.UL			17.00	0.669	0.306	1.75	37.31	1.469	J	L	SPECIA
LEM045B 03										19.00	0.748	0.252	1.44	43.64	1.718	J	L	SPECIA
LEM045B 04										21.00	0.827	0.215	1.23	49.96	1.967	K	М	SPECIA
LEM045B 05										23.00	0.906	0.187	1.07	56.29	2.216	K	М	SPECIA
LEM045B 06										25.00	0.984	0.166	0.95	62.33	2.454	K	М	SPECIA
LEM045B 07										30.00	1.181	0.128	0.73	78.77	3.101	K	М	SPECIA
LEM045B 08										35.00	1.378	0.105	0.60	94.18	3.708	L	N	SPECIA
LEM045B 09										40.00	1.575	0.089	0.51	109.86	4.325	L	N	SPECIA
LEM045B 10										45.00	1.772	0.077	0.44	125.78	4.952	L	N	SPECIA
LEM045B 11										50.00	1.969	0.068	0.39	141.20	5.559	М	Р	SPECIA
LEM045B 12										55.00	2.165	0.061	0.35	156.59	6.165	M	P	SPECIA
LEM045B 13	I		I		1				1	60.00	2.362	0.054	0.31	174.80	6.882	M	P	SPECIA

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Loops at Random Position, except for † springs

LEE STOCK		SIDE		INAL RE		MUM		TAL	LOOP		INAL EE		RING	MAXI EXTE			PRICE GROU	1
NUMBER	DIAN	METER		IETER	LO.	AD	TENS	SION	POSITION	LEN		R/A	ATE .	LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LEM060B 01	4.50	0.177	0.60	0.024	15.70	3.53	1.87	0.42	RANDOM	15.50	0.610	1.632	9.32	23.88	0.940	J	L	SPECIAL
LEM060B 02										17.00	0.669	1.384	7.90	26.90	1.059	J	L	SPECIAL
LEM060B 03 LEM060B 04										19.00 21.00	0.748 0.827	1.149 0.982	6.56 5.61	30.94 34.98	1.218	J K	L M	SPECIAL SPECIAL
LEM060B 05										23.00	0.027	0.858	4.90	39.01	1.536	K	M	SPECIAL
LEM060B 06										25.00	0.984	0.762	4.35	43.03	1.694	K	M	SPECIAL
LEM060B 07										30.00	1.181	0.594	3.39	53.37	2.101	K	М	SPECIAL
LEM060B 08										35.00	1.378	0.487	2.78	63.45	2.498	L	N	SPECIAL
LEM060B 09										40.00	1.575	0.413	2.36	73.53	2.895	L	N	SPECIAL
LEM060B 10										45.00	1.772	0.359	2.05	83.62	3.292	L	N	SPECIAL
LEM060B 11										50.00	1.969	0.317	1.81	93.70	3.689	М	P	SPECIAL
LEM060B 12										55.00	2.165	0.284	1.62	103.76	4.085	M	P _	SPECIAL
LEM060B 13			0.00	0.005	40.00	4.44	0.04	0.50	IN II IN IT	60.00	2.362	0.257	1.47	113.84	4.482	M	P	SPECIAL
LEM063B 01† LEM063B 02†			0.63	0.025	18.30	4.11	2.61	0.59	INLINE	12.10 15.90	0.476 0.626	2.770 1.730	15.82 9.88	17.75 24.94	0.699 0.982	J	L L	SPECIAL SPECIAL
LEM063B 02†										21.60	0.020	1.110	6.34	35.71	1.406	K	M	SPECIAL
LEM063B 04†										31.00	1.220	0.700	4.00	53.59	2.110	K	M	SPECIAL
LEM090B 01†	1		0.90	0.035	49.70	11.17	7.45	1.68	INLINE	14.20	0.559	14.300	81.66	17.15	0.675	J	L	SPECIAL
LEM090B 02†										19.60	0.772	8.960	51.16	24.31	0.957	К	М	SPECIAL
LEM090B 03†										27.70	1.091	5.730	32.72	35.08	1.381	K	М	SPECIAL
LE 014B 01	4.78	0.188	0.36	0.014	3.56	0.80	0.18	0.04	RANDOM	15.88	0.625	0.093	0.53	52.20	2.055	J	L	U
LE 014B 1A										19.05	0.750	0.064	0.37	71.50	2.815	J	L	U
LE 014B 02										22.23	0.875	0.049	0.28	91.06	3.585	J	L	U
LE 014B 03										25.40	1.000	0.040	0.23	109.22	4.300	K	M	V
LE 014B 04 LE 014B 05										28.58 31.75	1.125 1.250	0.033 0.030	0.19 0.17	130.18 145.29	5.125 5.720	K K	M M	V
LE 014B 05										34.93	1.375	0.030	0.17	163.70	6.445	K	M	V
LE 014B 07										38.10	1.500	0.020	0.13	186.69	7.350	L	N	W
LE 014B 08										41.28	1.625	0.021	0.12	202.06	7.955	Ĺ	N	W
LE 014B 09										44.45	1.750	0.019	0.11	219.96	8.660	L	N	W
LE 014B 10										47.63	1.875	0.018	0.10	240.67	9.475	L	N	W
LE 014B 11										50.80	2.000	0.016	0.09	265.18	10.440	М	Р	X
LE 014B 12										57.15	2.250	0.014	0.08	298.45	11.750	М	Р	X
LE 014B 13				2.212						63.50	2.500	0.012	0.07	339.34	13.360	M	P	X
LE 016B 01			0.41	0.016	5.34	1.20	0.36	0.08	RANDOM	15.88	0.625	0.182	1.04	43.31	1.705	J	L	U
LE 016B 1A										19.05 22.23	0.750 0.875	0.128 0.100	0.73 0.57	57.91 72.14	2.280 2.840	J	L L	U
LE 016B 02 LE 016B 03										25.40	1.000	0.100	0.57	87.12	3.430	J K	M	V
LE 016B 04										28.58	1.125	0.068	0.39	101.47	3.995	K	M	V
LE 016B 05										31.75	1.250	0.060	0.34	115.32	4.540	K	М	V
LE 016B 06										34.93	1.375	0.053	0.30	129.67	5.105	K	М	V
LE 016B 07										38.10	1.500	0.046	0.26	147.57	5.810	L	N	W
LE 016B 08										41.28	1.625	0.042	0.24	159.89	6.295	L	N	W
LE 016B 09										44.45	1.750	0.039	0.22	173.74	6.840	L	N	W
LE 016B 10										47.63	1.875	0.035	0.20	189.87	7.475	L	N	W
LE 016B 11										50.80	2.000	0.032	0.18	208.79	8.220	M	P	X
LE 016B 12										57.15 63.50	2.250 2.500	0.028 0.025	0.16	234.95 266.70	9.250	M	P P	X
LE 016B 13 LE 018B 01			0.46	0.018	6.67	1.50	0.62	0.14	RANDOM	15.88	0.625	0.025	0.14 1.90	34.16	10.500	M J	L	X U
LE 018B 1A			0.40	0.010	0.07	1.50	0.02	0.14		19.05	0.025	0.333	1.35	44.68	1.759	J	L	U
LE 018B 02										22.23	0.750	0.184	1.05	55.25	2.175	J	L	U
LE 018B 03										25.40	1.000	0.151	0.86	65.53	2.580	K	M	V
LE 018B 04										28.58	1.125	0.128	0.73	75.82	2.985	K	М	V
LE 018B 05										31.75	1.250	0.110	0.63	86.61	3.410	K	М	V
LE 018B 06										34.93	1.375	0.096	0.55	97.66	3.845	K	М	V
LE 018B 07										38.10	1.500	0.088	0.50	107.19	4.220	L	N	W
LE 018B 08										41.28	1.625	0.079	0.45	117.98	4.645	L	N	W
LE 018B 09										44.45	1.750	0.072	0.41	128.78	5.070	L	N	W
LE 018B 10										47.63	1.875	0.067	0.38	138.56	5.455	L	N	W
LE 018B 11	1									50.80	2.000	0.061	0.35	149.61	5.890	М	Р	X

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	OUT	SIDE		INAL	MAXI	MUM	INIT	TAL	LOOP		INAL	SPR	RING		MUM		PRICE GROU	Р
STOCK Number		METER		RE IETER	LO		TENS		POSITION		GTH		ATE .	LEN	NDED GTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 018B 13	4.78	0.188	0.46	0.018	6.67	1.50	0.62	0.14	RANDOM	63.50	2.500	0.047	0.27	191.52	7.540	М	Р	X
LE 020B 01			0.51	0.020	8.90	2.00	0.98	0.22	RANDOM	15.88	0.625	0.578	3.30	29.59	1.165	J	L	U
LE 020B 1A										19.05	0.750	0.409	2.33	38.43	1.513	J	L	U
LE 020B 02										22.23	0.875	0.315	1.80	47.37	1.865	J	L	U
LE 020B 03										25.40	1.000	0.263	1.50	55.63	2.190	K	M	V
LE 020B 04										28.58	1.125	0.228	1.30	63.37	2.495	K	M	V
LE 020B 05										31.75	1.250	0.193	1.10	72.90	2.870	K	M	V
LE 020B 06										34.93	1.375	0.170	0.97	81.66	3.215	K	M	V
LE 020B 07 LE 020B 08										38.10 41.28	1.500 1.625	0.152 0.138	0.87 0.79	90.17 98.43	3.550 3.875	L	N N	W
LE 020B 00	-									44.45	1.750	0.136	0.79	107.19	4.220	L	N	W
LE 020B 03										47.63	1.875	0.120	0.72	116.21	4.575	L	N	W
LE 020B 10										50.80	2.000	0.110	0.61	124.97	4.920	M	P	X
LE 020B 12	-									57.15	2.250	0.093	0.53	142.49	5.610	M	P	X
LE 020B 13										63.50	2.500	0.082	0.47	159.77	6.290	M	Р	X
LE 022B 002	1		0.56	0.022	11.12	2.50	1.33	0.30	RANDOM	12.70	0.500	1.524	8.70	19.05	0.750	J	L	U
LE 022B 001										15.88	0.625	0.946	5.40	26.29	1.035	J	L	U
LE 022B 00										19.05	0.750	0.666	3.80	33.78	1.330	J	L	U
LE 022B 0	1									22.23	0.875	0.560	3.20	39.75	1.565	K	М	V
LE 022B 01										25.40	1.000	0.438	2.50	47.75	1.880	K	М	V
LE 022B 02										28.58	1.125	0.368	2.10	55.25	2.175	K	М	V
LE 022B 03	1									31.75	1.250	0.315	1.80	62.74	2.470	K	М	V
LE 022B 04										34.93	1.375	0.280	1.60	69.98	2.755	K	М	V
LE 022B 05										38.10	1.500	0.245	1.40	77.98	3.070	L	N	W
LE 022B 06										44.45	1.750	0.210	1.20	90.93	3.580	L	N	W
LE 022B 07										50.80	2.000	0.175	1.00	106.68	4.200	M	Р	Х
LE 022B 08										57.15	2.250	0.156	0.89	119.89	4.720	М	P	Х
LE 022B 09										63.50	2.500	0.137	0.78	135.13	5.320	М	Р	Х
LE 024B 01			0.61	0.024	15.12	3.40	1.78	0.40	RANDOM	15.88	0.625	1.489	8.50	24.77	0.975	J	L	U
LE 024B 02										17.48	0.688	1.261	7.20	28.14	1.108	J	L	U
LE 024B 03										19.05	0.750	1.051	6.00	31.75	1.250	J	L	U
LE 024B 04										20.65	0.813	0.928	5.30	35.13	1.383	K	M	V
LE 024B 05										22.23	0.875	0.841	4.80	38.23	1.505	K	M	V
LE 024B 06 LE 024B 07	-									23.83	0.938	0.753	4.30	41.61	1.638	K	M	V
LE 024B 07 LE 024B 08										25.40 28.58	1.000 1.125	0.701 0.588	4.00 3.36	44.45 51.18	1.750 2.015	K K	M M	V
LE 024B 00 LE 024B 09										31.75	1.125	0.500	2.91	57.91	2.015	K	M	V
LE 024B 09	-									34.93	1.375	0.310	2.57	64.64	2.545	L	N	W
LE 024B 10 LE 024B 11										38.10	1.500	0.403	2.30	71.12	2.800	L	N	w
LE 024B 12										44.45	1.750	0.333	1.90	84.58	3.330	M	P	X
LE 024B 13	1									50.80	2.000	0.284	1.62	97.79	3.850	M	P	X
LE 024B 14										57.15	2.250	0.249	1.42	110.74	4.360	M	Р	X
LE 024B 15										63.50	2.500	0.221	1.26	123.95	4.880	M	P.	X
LE 026B 002	1		0.66	0.026	19.13	4.30	2.22	0.50	RANDOM	12.70	0.500	3.590	20.50	17.53	0.690	J	L	U
LE 026B 001			- -				_			15.88	0.625	2.212	12.63	23.50	0.925	J	L	Ü
LE 026B 00										19.05	0.750	1.664	9.50	29.21	1.150	K	M	V
LE 026B 0	1									22.23	0.875	1.296	7.40	35.18	1.385	K	М	V
LE 026B 01										25.40	1.000	1.068	6.10	41.15	1.620	K	М	V
LE 026B 02										28.58	1.125	0.893	5.10	47.63	1.875	K	М	V
LE 026B 03	1									31.75	1.250	0.788	4.50	53.09	2.090	K	М	V
LE 026B 04										34.93	1.375	0.701	4.00	59.06	2.325	L	N	W
LE 026B 05										38.10	1.500	0.613	3.50	65.79	2.590	L	N	W
LE 026B 06										44.45	1.750	0.508	2.90	77.72	3.060	М	Р	Х
LE 026B 07										50.80	2.000	0.438	2.50	89.41	3.520	М	Р	Х
LE 026B 08										57.15	2.250	0.385	2.20	101.09	3.980	М	Р	Х
LE 026B 09]									63.50	2.500	0.338	1.93	113.54	4.470	М	Р	Х
LE 029B 01			0.74	0.029	25.80	5.80	3.34	0.75	RANDOM	15.88	0.625	3.923	22.40	21.72	0.855	J	L	U
LE 029B 02										17.48	0.688	3.363	19.20	24.08	0.948	J	L	U
LE 029B 03										19.05	0.750	2.942	16.80	26.67	1.050	K	М	V
LE 029B 04										20.65	0.813	2.609	14.90	29.29	1.153	K	М	V
LE 029B 05										22.23	0.875	2.294	13.10	32.13	1.265	K	M	V

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

LEE	TILO	SIDE		INAL	MAXI	MIIM	INI	ΓIAL	LOOP		IINAL	SPE	RING	MAXI			PRICE GROU	JP
STOCK Number		METER	DIAM	RE IETER	LO			SION	POSITION		GTH		TE .	EXTE LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	М	S	S316
LE 029B 06	4.78	0.188	0.74	0.029	25.80	5.80	3.34	0.75	RANDOM	23.83	0.938	2.102	12.00	34.49	1.358	K	М	V
LE 029B 07										25.40	1.000	1.926	11.00	37.08	1.460	K	M	V
LE 029B 08										28.58	1.125	1.625	9.28	42.29	1.665	K	M	V
LE 029B 09										31.75	1.250	1.417	8.09	47.50	1.870	L	N	W
LE 029B 10										34.93	1.375	1.256	7.17	52.71	2.075	L	N	W
LE 029B 11										38.10	1.500	1.128	6.44	57.91	2.280	M	P P	X
LE 029B 12										44.45	1.750 2.000	0.933	5.33 4.56	68.58 78.99	2.700	M	P	X
LE 029B 13 LE 029B 14										50.80 57.15	2.250	0.799 0.702	4.01	89.15	3.110 3.510	M M	P	X
LE 029B 14 LE 029B 15										63.50	2.500	0.702	3.54	99.82	3.930	M	P	X
LE 031B 002			0.79	0.031	31.14	7.00	3.78	0.85	RANDOM	12.70	0.500	9.107	52.00	15.75	0.620	J	L	U
LE 031B 001										15.88	0.625	5.555	31.72	20.70	0.815	J	L	U
LE 031B 00										19.05	0.750	4.221	24.10	25.65	1.010	К	М	V
LE 031B 0										22.23	0.875	3.328	19.00	30.35	1.195	K	М	V
LE 031B 01										25.40	1.000	2.767	15.80	35.31	1.390	K	М	V
LE 031B 02										28.58	1.125	2.364	13.50	40.26	1.585	L	N	W
LE 031B 03										31.75	1.250	2.049	11.70	45.21	1.780	L	N	W
LE 031B 04										34.93	1.375	1.821	10.40	49.91	1.965	L	N	W
LE 031B 05										38.10	1.500	1.611	9.20	55.12	2.170	М	Р	Х
LE 031B 06										44.45	1.750	1.349	7.70	64.77	2.550	М	P	X
LE 031B 07										50.80	2.000	1.156	6.60	74.42	2.930	М	P	X
LE 031B 08										57.15	2.250	0.998	5.70	84.58	3.330	M	P	X
LE 031B 09										63.50	2.500	0.893	5.10	94.23	3.710	N	Q	Y
LE 031B 10			0.86	0.034	40.03	9.00	4.00	0.90	DANDOM	69.85	2.750 0.625	0.788	4.50	104.65	4.120	N	Q	Y
LE 034B 01 LE 034B 02			0.00	0.034	40.03	9.00	4.00	0.90	RANDOM	15.88 19.05	0.625	9.335 7.005	53.30 40.00	19.69 24.13	0.775 0.950	J K	L M	V
LE 034B 02 LE 034B 03										22.23	0.750	5.429	31.00	28.83	1.135	K	M	V
LE 034B 04										25.40	1.000	4.553	26.00	33.27	1.310	K	M	V
LE 034B 05										28.58	1.125	3.923	22.40	37.72	1.485	L	N	w
LE 034B 06										31.75	1.250	3.380	19.30	42.42	1.670	Ī	N	w
LE 034B 07										34.93	1.375	3.012	17.20	46.86	1.845	L	N	W
LE 034B 08										38.10	1.500	2.715	15.50	51.31	2.020	М	Р	X
LE 034B 09										44.45	1.750	2.259	12.90	60.45	2.380	М	Р	X
LE 034B 10										50.80	2.000	1.926	11.00	69.60	2.740	М	Р	Х
LE 034B 11										57.15	2.250	1.681	9.60	78.49	3.090	М	Р	X
LE 034B 12										63.50	2.500	1.489	8.50	87.63	3.450	N	Q	Y
LE 034B 13										69.85	2.750	1.331	7.60	97.03	3.820	N	Q	Y
LEM070BA 01†	5.00	0.197	0.70	0.028	22.60	5.08	3.39	0.76	INLINE	13.50	0.531	3.070	17.53	19.76	0.778	J	L	SPECIAL
LEM070BA 02†										17.70	0.697	1.920	10.96	27.71	1.091	J	L	SPECIAL
LEM070BA 03†										24.00	0.945	1.230	7.02	39.60	1.559	K	M	SPECIAL
LEM070BA 04†			1.00	0.039	60.80	13.67	7.52	1.60	INILINIE	34.50	1.358 0.622	0.770	4.40 90.79	59.51	2.343 0.750	L	N	SPECIAL
LEM100BA 01† LEM100BA 02†			1.00	0.039	00.00	13.07	1.52	1.69	INLINE	15.80 21.80	0.622	15.900 9.900	90.79 56.53	19.05 27.00	1.063	J K	L M	SPECIAL SPECIAL
LEM100BA 02†										30.80	1.213	6.370	36.37	38.89	1.531	I N	N N	SPECIAL
LEM050BB 01†	5.50	0.217	0.50	0.020	7.80	1.75	1.02	0.23	INLINE	12.70	0.500	0.510	2.91	25.81	1.016	J	L	SPECIAL
LEM050BB 01†	5.55	V.E.11	5.00	5.020	1.50	10		J.EU		15.70	0.618	0.310	1.77	36.60	1.441	J	Ĺ	SPECIAL
LEM050BB 03†										20.20	0.795	0.210	1.20	52.91	2.083	Ĵ	L	SPECIAL
LEM050BB 04†										27.70	1.091	0.130	0.74	80.01	3.150	K	M	SPECIAL
LEM050BB 05†										37.70	1.484	0.090	0.51	116.10	4.571	L	N	SPECIAL
LEM080BB 01†			0.80	0.031	30.20	6.79	4.79	1.08	INLINE	15.00	0.591	4.000	22.84	21.41	0.843	J	L	SPECIAL
LEM080BB 02†										19.80	0.780	2.500	14.28	30.00	1.181	K	М	SPECIAL
LEM080BB 03†										27.00	1.063	1.600	9.14	43.00	1.693	L	N	SPECIAL
LEM080BB 04†										39.00	1.535	1.000	5.71	64.59	2.543	М	Р	SPECIAL
LEM080BB 05†										290.00	11.417	0.110	0.63	515.01	20.276	BC	BD	SPECIAL
LEM110BB 01†			1.10	0.043	72.80	16.37	10.77	2.42	INLINE	17.40	0.685	17.500	99.93	20.93	0.824	K	М	SPECIAL
LEM110BB 02†										24.00	0.945	11.000	62.81	29.67	1.168	L	N	SPECIAL
LEM110BB 03†	0.00	0.000	0.55	0.000	0.50	0.44	4.00	0.07	IN 11 15 1-	33.90	1.335	7.000	39.97	42.75	1.683	L	N	SPECIAL
LEM055BC 01†	6.00	0.236	0.55	0.022	9.50	2.14	1.09	0.25	INLINE	13.90	0.547	0.580	3.31	27.99	1.102	J	L	SPECIAL
LEM055BC 02†										17.20	0.677	0.360	2.06	39.70	1.563	J	L	SPECIAL
LEM055BC 03†							I			22.10 30.40	0.870 1.197	0.230 0.150	1.31 0.86	57.20 86.59	2.252 3.409	J K	L M	SPECIAL SPECIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	0.01	SIDE		IINAL	MAXI	MUM	INIT	TAL TAL	LOOP		INAL	SPF	RING		MUM		PRICE GROU	IP .
STOCK NUMBER		METER		IRE Ieter	LO		TENS		POSITION		REE Igth		TE		NDED Gth	Music Wire	302 Stainless	316 Stainless
	MM	IN	ММ	IN	N	LB	N	LB		ММ	IN	N/MM	LB/IN	ММ	IN	М	S	S316
LEM055BC 05†	6.00	0.236	0.55	0.022	9.50	2.14	1.09	0.25	INLINE	41.40	1.630	0.110	0.63	125.70	4.949	L	N	SPECIAL
LEM120BC 01†			1.20	0.047	85.30	19.18	12.63	2.84	INLINE	19.00	0.748	19.100	109.06	22.81	0.898	K	М	SPECIAL
LEM120BC 02†										26.20	1.031	12.000	68.52	32.28	1.271	L	N	SPECIAL
LEM120BC 03†										37.00	1.457	7.630	43.57	46.51	1.831	М	Р	SPECIAL
LEM055C 01	6.30	0.248	0.55	0.022	8.80	1.98	0.85	0.19	RANDOM	15.50	0.610	0.602	3.44	28.70	1.130	J	L	SPECIAL
LEM055C 02										19.00	0.748	0.340	1.94	42.37	1.668	J	L	SPECIAL
LEM055C 03										22.00	0.866	0.247	1.41	54.25	2.136	J	L	SPECIAL
LEM055C 04										25.00	0.984	0.194	1.11	65.89	2.594	K	M	SPECIAL
LEM055C 05										30.00	1.181	0.144	0.82	85.37	3.361	K	M	SPECIAL
LEM055C 06 LEM055C 07										35.00 40.00	1.378 1.575	0.114 0.095	0.65 0.54	104.85 124.08	4.128 4.885	K L	M	SPECIAL SPECIAL
LEM055C 07 LEM055C 08										45.00	1.772	0.095	0.54	143.81	5.662	L	N N	SPECIAL
LEM055C 09										50.00	1.969	0.001	0.40	163.55	6.439	M	P	SPECIAL
LEM055C 10										55.00	2.165	0.070	0.40	184.79	7.275	M	P	SPECIAL
LEM055C 11										60.00	2.362	0.056	0.32	201.98	7.952	N.	Q	SPECIAL
LEM055C 12										65.00	2.559	0.051	0.29	221.72	8.729	N	Q	SPECIAL
LEM075C 01			0.75	0.030	19.60	4.41	2.45	0.55	RANDOM	15.50	0.610	2.786	15.91	21.59	0.850	J	L	SPECIAL
LEM075C 02										19.00	0.748	1.659	9.47	29.41	1.158	J	L	SPECIAL
LEM075C 03										22.00	0.866	1.231	7.03	35.97	1.416	J	L	SPECIAL
LEM075C 04										25.00	0.984	0.979	5.59	42.52	1.674	K	М	SPECIAL
LEM075C 05										30.00	1.181	0.730	4.17	53.62	2.111	K	М	SPECIAL
LEM075C 06										35.00	1.378	0.581	3.32	64.47	2.538	K	M	SPECIAL
LEM075C 07										40.00	1.575	0.483	2.76	75.57	2.975	L	N	SPECIAL
LEM075C 08										45.00	1.772	0.415	2.37	86.41	3.402	L	N	SPECIAL
LEM075C 09										50.00	1.969	0.363	2.07	97.26	3.829	М	P	SPECIAL
LEM075C 10										55.00	2.165	0.322	1.84	108.33	4.265	M	Р	SPECIAL
LEM075C 11										60.00	2.362	0.289	1.65	119.43	4.702	N	Q	SPECIAL
LEM075C 12										65.00	2.559	0.263	1.50	130.28	5.129	N	Q	SPECIAL
LEM075C 13 LEM080C 01			0.80	0.031	24.50	5.51	3.25	0.73	RANDOM	70.00 15.50	2.756 0.610	0.240 3.842	1.37 21.94	141.58 21.08	5.574 0.830	N J	Q L	SPECIAL SPECIAL
LEM080C 02			0.00	0.031	24.50	0.01	3.23	0.73	RAINDOIN	19.00	0.010	2.314	13.21	28.14	1.108	J	L	SPECIAL
LEM080C 03										22.00	0.866	1.725	9.85	34.44	1.356	J	ו ו	SPECIAL
LEM080C 04										25.00	0.984	1.377	7.86	40.49	1.594	K	M	SPECIAL
LEM080C 05										30.00	1.181	1.028	5.87	50.57	1.991	K	M	SPECIAL
LEM080C 06										35.00	1.378	0.821	4.69	60.91	2.398	К	М	SPECIAL
LEM080C 07										40.00	1.575	0.683	3.90	71.25	2.805	L	N	SPECIAL
LEM080C 08										45.00	1.772	0.585	3.34	81.33	3.202	L	N	SPECIAL
LEM080C 09										50.00	1.969	0.511	2.92	91.67	3.609	М	Р	SPECIAL
LEM080C 10										55.00	2.165	0.455	2.60	101.73	4.005	М	Р	SPECIAL
LEM080C 11										60.00	2.362	0.408	2.33	112.06	4.412	N	Q	SPECIAL
LEM080C 12										65.00	2.559	0.371	2.12	122.15	4.809	N	Q	SPECIAL
LEM080C 13										70.00	2.756	0.340	1.94	132.49	5.216	N	Q	SPECIAL
LEM080C 14										75.00	2.953	0.313	1.79	142.82	5.623	N	Q	SPECIAL
LEM090C 01†			0.90	0.035	37.10	8.34	5.58	1.25	INLINE	17.10	0.673	4.230	24.15	24.54	0.966	J	L	SPECIAL
LEM090C 02†										22.50	0.886	2.650	15.13	34.39	1.354	K	M	SPECIAL
LEM090C 03† LEM090C 04†										30.60 44.10	1.205 1.736	1.700 1.060	9.71 6.05	49.20 73.81	1.937 2.906	K L	M N	SPECIAL SPECIAL
LE 018C 01	6.35	0.250	0.46	0.018	4.89	1.10	0.44	0.10	RANDOM	15.88	0.625	0.222	1.27	35.94	1.415	J	L	U
LE 018C 02	0.55	0.230	0.40	0.010	4.03	1.10	0.44	0.10	IVAINDOW	19.05	0.023	0.130	0.74	53.34	2.100	J	L	U
LE 018C 03										22.23	0.730	0.130	0.74	70.23	2.765	J	[U
LE 018C 04										25.40	1.000	0.072	0.41	87.38	3.440	K	М	V
LE 018C 05										28.58	1.125	0.060	0.34	103.51	4.075	K	M	V
LE 018C 06										31.75	1.250	0.049	0.28	122.68	4.830	K	M	V
LE 018C 07										34.93	1.375	0.044	0.25	136.78	5.385	K	M	V
LE 018C 08										38.10	1.500	0.037	0.21	159.26	6.270	L	N	W
LE 018C 09										44.45	1.750	0.030	0.17	194.06	7.640	L	N	W
LE 018C 10										50.80	2.000	0.025	0.14	232.66	9.160	L	N	W
LE 018C 11										57.15	2.250	0.023	0.13	252.98	9.960	М	Р	X
LE 018C 12										63.50	2.500	0.019	0.11	294.89	11.610	М	Р	Х
LE 018C 13										69.85	2.750	0.018	0.10	324.36	12.770	М	Р	Х

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



Loops at Random Position, except for † springs

LEE	דונח	SIDE		INAL	МДУІ	мим	INIT	TAL	LOOP		INAL	SPR	RING		MUM		PRICE GROU	Р
STOCK Number		METER		RE Ieter	LO		TENS		POSITION		EE GTH		TE	EXTE Len	NDED Gth	Music Wire	302 Stainless	316 Stainless
	ММ	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	М	S	S316
LE 022C 01	6.35	0.250	0.56	0.022	9.34	2.10	0.89	0.20	RANDOM	15.88	0.625	0.578	3.30	30.61	1.205	J	L	U
LE 022C 02										19.05	0.750	0.350	2.00	43.18	1.700	J	L	U
LE 022C 03										22.23	0.875	0.263	1.50	54.48	2.145	J	L	U
LE 022C 04	1									25.40	1.000	0.200	1.14	67.82	2.670	K	М	V
LE 022C 05										28.58	1.125	0.165	0.94	79.88	3.145	K	М	V
LE 022C 06										31.75	1.250	0.140	0.80	92.20	3.630	K	M	V
LE 022C 07										34.93	1.375	0.123	0.70	103.76	4.085	K	М	V
LE 022C 08										38.10	1.500	0.105	0.60	118.62	4.670	L	N	W
LE 022C 09										44.45	1.750	0.088	0.50	140.97	5.550	L	N	W
LE 022C 10										50.80	2.000	0.070	0.40	171.45	6.750	L	N	W
LE 022C 11										57.15	2.250	0.063	0.36	191.26	7.530	М	Р	Х
LE 022C 12										63.50	2.500	0.056	0.32	214.38	8.440	M	P	X
LE 022C 13			0.00	0.000	40.70	0.40	4 =0	0.40	DANIBOLA	69.85	2.750	0.049	0.28	242.32	9.540	M	P	Х
LE 026C 002			0.66	0.026	13.79	3.10	1.78	0.40	RANDOM	12.70	0.500	3.555	20.30	16.00	0.630	J	L	U
LE 026C 001 LE 026C 00										15.88	0.625 0.750	1.331	7.60	25.02 33.27	0.985	J	L	U
LE 026C 00 LE 026C 0	-									19.05 22.23	0.750	0.841 0.613	4.80 3.50	33.27 41.78	1.310 1.645	J K	L M	V
LE 026C 0										25.40	1.000	0.613	2.80	49.78	1.960	K	M	V
LE 026C 01										28.58	1.125	0.490	2.30	58.29	2.295	K	M	V
LE 026C 03										31.75	1.250	0.333	1.90	67.82	2.670	K	M	V
LE 026C 04										34.93	1.375	0.298	1.70	75.31	2.965	K	M	V
LE 026C 05										38.10	1.500	0.263	1.50	83.82	3.300	L	N	W
LE 026C 06										44.45	1.750	0.210	1.20	101.60	4.000	L	N	W
LE 026C 07										50.80	2.000	0.175	1.00	119.38	4.700	L	N	W
LE 026C 08										57.15	2.250	0.151	0.86	136.91	5.390	М	Р	Х
LE 026C 09										63.50	2.500	0.133	0.76	153.67	6.050	М	Р	Х
LE 026C 10										69.85	2.750	0.119	0.68	170.69	6.720	М	Р	Х
LE 026C 11										76.20	3.000	0.105	0.60	190.50	7.500	N	Q	Y
LE 026C 12										88.90	3.500	0.090	0.52	222.07	8.743	Р	R	Z
LE 026C 13										101.60	4.000	0.078	0.44	256.41	10.095	Q	S	BA
LE 026C 14										114.30	4.500	0.068	0.39	290.60	11.441	Q	S	BA
LE 026C 15			0.74	0.000	40.40	4.00	0.45	0.55	DANIDOM	127.00	5.000	0.061	0.35	325.20	12.803	R	T	BB
LE 029C 001			0.74	0.029	19.13	4.30	2.45	0.55	RANDOM	15.88	0.625	2.294	13.10	23.24	0.915	J	L	U
LE 029C 00										19.05 22.23	0.750 0.875	1.384	7.90 6.00	30.99 38.23	1.220 1.505	J	L	U V
LE 029C 0 LE 029C 01	-									25.40	1.000	1.051 0.823	4.70	45.72	1.800	K K	M M	V
LE 029C 01										28.58	1.125	0.683	3.90	52.96	2.085	K	M	V
LE 029C 03										31.75	1.250	0.595	3.40	59.69	2.350	K	M	V
LE 029C 04										34.93	1.375	0.508	2.90	67.69	2.665	K	M	V
LE 029C 05										38.10	1.500	0.447	2.55	75.44	2.970	L	N	W
LE 029C 06										44.45	1.750	0.368	2.10	89.92	3.540	L	N	W
LE 029C 07	1									50.80	2.000	0.315	1.80	103.63	4.080	L	N	W
LE 029C 08										57.15	2.250	0.280	1.60	116.59	4.590	М	Р	Х
LE 029C 09										63.50	2.500	0.240	1.37	133.10	5.240	М	Р	Х
LE 029C 10										69.85	2.750	0.214	1.22	147.83	5.820	M	Р	Х
LE 029C 11										76.20	3.000	0.193	1.10	162.81	6.410	N	Q	Y
LE 029C 12										88.90	3.500	0.162	0.92	192.07	7.562	Р	R	Z
LE 029C 13										101.60	4.000	0.139	0.80	221.39	8.716	Q	S	BA
LE 029C 14										114.30	4.500	0.122	0.70	250.95	9.880	Q	S	BA
LE 029C 15				0.51	05 / 5	F 5:	6		D.44:===:	127.00	5.000	0.109	0.62	280.37	11.038	R	T	BB
LE 031C 001			0.79	0.031	23.13	5.20	3.11	0.70	RANDOM	15.88	0.625	3.300	18.84	21.97	0.865	J	L	U
LE 031C 00										19.05	0.750	2.102	12.00	28.70	1.130	J	L	U
LE 031C 01										22.23	0.875	1.541	8.80	35.18	1.385	K	M	V
LE 031C 01										25.40	1.000	1.208	6.90	41.91	1.650	K	M	V
LE 031C 02										28.58	1.125	0.998	5.70	48.64 55.12	1.915	K	M	V
LE 031C 03 LE 031C 04	-									31.75 34.93	1.250 1.375	0.858	4.90 4.30	55.12 61.60	2.170 2.425	K K	M	V
LE 031C 04 LE 031C 05										34.93 38.10	1.500	0.753 0.666	4.30 3.80	68.07	2.425	K L	M N	W W
LE 031C 05 LE 031C 06										36.10 44.45	1.750	0.525	3.00	82.55	3.250	L	N N	W
22 00 10 00											1.700	0.020	0.00	02.00	0.200	_	"	**
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 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	חוח	SIDE	NOM		MAY	MIIM	INIT	ΊΔΙ	LOOP		INAL	SPR	ING	MAXI			PRICE GROU	P
STOCK Number		METER	WI	RE Eter	MAXI LO	MUM AD	TENS		POSITION	FR	EE GTH	RA		EXTEI LEN	NDED	Music Wire	302 Stainless	316 Stainless
	MM	IN	ММ	IN	N	LB	N	LB		ММ	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 031C 07	6.35	0.250	0.79	0.031	23.13	5.20	3.11	0.70	RANDOM	50.80	2.000	0.455	2.60	94.74	3.730	L	N	W
LE 031C 08										57.15	2.250	0.385	2.20	109.22	4.300	М	Р	X
LE 031C 09										63.50	2.500	0.350	2.00	120.65	4.750	М	Р	X
LE 031C 10										69.85	2.750	0.306	1.75	135.13	5.320	М	Р	Х
LE 031C 11										76.20	3.000	0.275	1.57	149.10	5.870	N	Q	Y
LE 031C 12										88.90	3.500	0.231	1.32	175.49	6.909	Р	R	Z
LE 031C 13										101.60	4.000	0.200	1.14	201.85	7.947	Q	S	BA
LE 031C 14										114.30	4.500	0.175	1.00	228.60	9.000	R	S	BA
LE 031C 15										127.00	5.000	0.156	0.89	255.42	10.056	R	Т	BB
LE 034C 001			0.86	0.034	30.25	6.80	3.78	0.85	RANDOM	15.88	0.625	4.974	28.40	21.21	0.835	J	L	U
LE 034C 00										19.05	0.750	3.117	17.80	27.43	1.080	J	L	U
LE 034C 0										22.23	0.875	2.364	13.50	33.40	1.315	K	M	V
LE 034C 01										25.40	1.000	1.891	10.80	39.37	1.550	K	M	V
LE 034C 02 LE 034C 03										28.58 31.75	1.125 1.250	1.594 1.384	9.10 7.90	45.09 50.80	1.775 2.000	K K	M	V V
LE 034C 03 LE 034C 04										34.93	1.375	1.173	6.70	57.53	2.265	K	M M	V
LE 034C 04 LE 034C 05										38.10	1.500	1.173	6.10	62.99	2.480	L	N N	W W
LE 034C 05 LE 034C 06										36.10 44.45	1.750	0.858	4.90	75.18	2.460	L	N N	W W
LE 034C 07										50.80	2.000	0.736	4.20	86.87	3.420	L	N	W
LE 034C 08										57.15	2.250	0.630	3.60	99.06	3.900	M	P	X
LE 034C 09										63.50	2.500	0.560	3.20	110.74	4.360	M	Р	X
LE 034C 10										69.85	2.750	0.499	2.85	122.94	4.840	М	P	X
LE 034C 11										76.20	3.000	0.455	2.60	134.37	5.290	N	Q	Y
LE 034C 12										88.90	3.500	0.382	2.18	158.22	6.229	Р	R	Z
LE 034C 13										101.60	4.000	0.329	1.88	181.99	7.165	Q	S	BA
LE 034C 14										114.30	4.500	0.289	1.65	205.89	8.106	R	Т	BB
LE 034C 15										127.00	5.000	0.257	1.47	229.82	9.048	S	U	BC
LE 037C 00	1		0.94	0.037	37.81	8.50	4.45	1.00	RANDOM	15.88	0.625	7.828	44.70	20.19	0.795	J	L	U
LE 037C 0										19.05	0.750	5.096	29.10	25.65	1.010	J	L	U
LE 037C 01										25.40	1.000	3.100	17.70	36.07	1.420	K	М	V
LE 037C 02										28.58	1.125	2.627	15.00	41.28	1.625	K	М	V
LE 037C 03										31.75	1.250	2.224	12.70	46.74	1.840	K	М	V
LE 037C 04										34.93	1.375	1.926	11.00	52.20	2.055	K	М	V
LE 037C 05										38.10	1.500	1.699	9.70	57.66	2.270	L	N	W
LE 037C 06										44.45	1.750	1.401	8.00	68.33	2.690	L	N	W
LE 037C 07										50.80	2.000	1.173	6.70	79.25	3.120	L	N	W
LE 037C 08										57.15	2.250	1.016	5.80	89.92	3.540	M	P	X
LE 037C 09										63.50	2.500	0.893	5.10	100.84	3.970	M	Р	X
LE 037C 10 LE 037C 11										69.85 76.20	2.750 3.000	0.806 0.718	4.60 4.10	111.25 122.68	4.380 4.830	M	P	X
																N	Q	Y
LE 037C 12 LE 037C 13										82.55 88.90	3.250 3.500	0.657 0.599	3.75 3.42	133.35 144.53	5.250 5.690	N N	Q Q	Y
LE 037C 13 LE 037C 14										101.60	4.000	0.599	2.98	165.53	6.517	Q	S	BA
LE 037C 14 LE 037C 15										114.30	4.500	0.322	2.62	187.02	7.363	R	T	BB
LE 037C 15										127.00	5.000	0.408	2.33	208.76	8.219	S	U	BC
LE 041C 01			1.04	0.041	52.04	11.70	4.67	1.05	RANDOM	19.05	0.750	9.037	51.60	24.38	0.960	J	L	U
LE 041C 02								,	2.20.01	25.40	1.000	5.254	30.00	34.54	1.360	K	M	V
LE 041C 03										28.58	1.125	4.378	25.00	39.50	1.555	K	M	V
LE 041C 04										31.75	1.250	3.765	21.50	44.45	1.750	K	M	V
LE 041C 05										34.93	1.375	3.328	19.00	49.15	1.935	K	M	V
LE 041C 06										38.10	1.500	2.942	16.80	54.10	2.130	L	N	W
LE 041C 07										44.45	1.750	2.417	13.80	64.01	2.520	L	N	W
LE 041C 08										50.80	2.000	2.049	11.70	73.91	2.910	L	N	W
LE 041C 09										57.15	2.250	1.769	10.10	83.82	3.300	М	Р	Х
LE 041C 10										63.50	2.500	1.559	8.90	93.98	3.700	М	Р	Х
LE 041C 11										69.85	2.750	1.401	8.00	103.63	4.080	М	Р	Х
LE 041C 12										76.20	3.000	1.270	7.25	113.54	4.470	N	Q	Y
LE 041C 13										88.90	3.500	1.068	6.10	133.35	5.250	N	Q	Y
LE 041C 14										101.60	4.000	0.919	5.25	153.14	6.029	Q	S	BA
LE 041C 15	l									114.30	4.500	0.809	4.62	172.85	6.805	R	T	BB
LE 041C 15 LE 041C 16										127.00	5.000	0.722	4.12	192.66	7.585	S	U	BC

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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LEE STOCK NUMBER		TSIDE METER		INAL RE ETER	MAXI LO			TIAL SION	LOOP Position	FR	IINAL REE GTH		RING NTE		IMUM NDED GTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	ММ	IN	M	S	S316
LEM063CA 01†	7.00	0.276	0.63	0.025	12.20	2.74	1.67	0.38	INLINE	16.10	0.634	0.620	3.54	32.69	1.287	J	L	SPECIAL
LEM063CA 02†	1.00	0.2.0	0.00	0.020	12.20			0.00		19.90	0.783	0.390	2.23	46.51	1.831	J	L	SPECIAL
LEM063CA 03†										25.60	1.008	0.250	1.43	67.21	2.646	K	М	SPECIAL
LEM063CA 04†										35.00	1.378	0.160	0.91	101.50	3.996	К	М	SPECIAL
LEM063CA 05†										47.60	1.874	0.110	0.63	147.29	5.799	L	N	SPECIAL
LEM100CA 01†			1.00	0.039	45.30	10.18	5.70	1.28	INLINE	19.00	0.748	4.710	26.89	27.18	1.070	J	L	SPECIAL
LEM100CA 02†										25.00	0.984	2.940	16.79	38.10	1.500	K	М	SPECIAL
LEM100CA 03†										34.00	1.339	1.830	10.45	54.41	2.142	K	М	SPECIAL
LEM100CA 04†										49.00	1.929	1.180	6.74	81.71	3.217	L	N	SPECIAL
LEM100CA 05†										290.00	11.417	0.180	1.03	510.01	20.079	BC	BD	SPECIAL
LEM140CA 01†			1.40	0.055	114.00	25.63	16.88	3.80	INLINE	22.10	0.870	22.300	127.34	26.47	1.042	L	N	SPECIAL
LEM140CA 02†										30.50	1.201	13.900	79.37	37.49	1.476	M	P	SPECIAL
LEM140CA 03†	7.50	0.005	0.70	0.000	45.40	0.40	0.40	0.40	15 11 15 15	43.10	1.697	8.910	50.88	54.00	2.126	N	Q	SPECIAL
LEM070CB 01†	7.50	0.295	0.70	0.028	15.40	3.46	2.18	0.49	INLINE	17.50	0.689 0.854	0.780 0.490	4.45 2.80	34.39	1.354	K	M	SPECIAL SPECIAL
LEM070CB 02† LEM070CB 03†										21.70 28.00	1.102	0.490	1.77	48.69 70.21	1.917 2.764	K K	M M	SPECIAL
LEM070CB 031										38.50	1.516	0.310	1.14	105.99	4.173	L	N	SPECIAL
LEM070CB 05†										52.50	2.067	0.130	0.74	153.49	6.043	M	P	SPECIAL
LEM110CB 01†			1.10	0.043	55.50	12.48	8.25	1.86	INLINE	20.60	0.811	5.690	32.49	28.91	1.138	K	M	SPECIAL
LEM110CB 02†			1.10	0.010	00.00	12.10	0.20	1.00		27.20	1.071	3.550	20.27	40.49	1.594	K	M	SPECIAL
LEM110CB 03†										37.10	1.461	2.280	13.02	57.91	2.280	L	N	SPECIAL
LEM110CB 04†										53.60	2.110	1.420	8.11	86.79	3.417	М	Р	SPECIAL
LE 030CD 01	7.95	0.313	0.76	0.030	17.79	4.00	1.78	0.40	RANDOM	25.40	1.000	0.613	3.50	51.56	2.030	K	М	V
LE 030CD 02										28.58	1.125	0.473	2.70	62.36	2.455	K	М	V
LE 030CD 03										31.75	1.250	0.403	2.30	71.63	2.820	K	М	V
LE 030CD 04										34.93	1.375	0.333	1.90	82.93	3.265	K	М	V
LE 030CD 05										38.10	1.500	0.298	1.70	91.95	3.620	L	N	W
LE 030CD 06										44.45	1.750	0.228	1.30	114.81	4.520	L	N	W
LE 030CD 07										50.80	2.000	0.193	1.10	133.86	5.270	L	N	W
LE 030CD 08										57.15	2.250	0.165	0.94	154.43	6.080	M	P	X
LE 030CD 09										63.50	2.500	0.145	0.83	173.74	6.840	M	P	X
LE 030CD 10 LE 030CD 11										69.85 76.20	2.750 3.000	0.127 0.114	0.73 0.65	195.63 216.23	7.702 8.513	N P	Q R	Z
LE 030CD 11			0.94	0.037	31.14	7.00	3.69	0.83	RANDOM	19.05	0.750	3.221	18.39	27.58	1.086	K	M	V
LE 037CD 01			0.54	0.007	31.14	7.00	3.03	0.00	TV-TVDOW	25.40	1.000	1.576	9.00	42.93	1.690	K	M	v
LE 037CD 02										28.58	1.125	1.226	7.00	50.93	2.005	K	M	v
LE 037CD 03										31.75	1.250	1.051	6.00	57.91	2.280	K	М	V
LE 037CD 04										34.93	1.375	0.911	5.20	65.15	2.565	К	М	V
LE 037CD 05										38.10	1.500	0.806	4.60	72.14	2.840	L	N	W
LE 037CD 06										44.45	1.750	0.630	3.60	87.88	3.460	L	N	W
LE 037CD 07										50.80	2.000	0.543	3.10	101.35	3.990	L	N	W
LE 037CD 08										57.15	2.250	0.455	2.60	117.35	4.620	М	Р	Х
LE 037CD 09										63.50	2.500	0.420	2.40	128.78	5.070	М	Р	Х
LE 037CD 10										69.85	2.750	0.368	2.10	144.53	5.690	М	Р	Х
LE 037CD 11										76.20	3.000	0.333	1.90	158.75	6.250	N	Q	Y
LE 043CD 01			1.09	0.043	45.82	10.30	5.78	1.30	RANDOM	25.40	1.000	3.928	22.43	35.56	1.400	K	M	V
LE 043CD 02										28.58	1.125	3.149	17.98	41.28	1.625	K	M	V
LE 043CD 03 LE 043CD 04										31.75 34.93	1.250 1.375	2.627 2.254	15.00 12.87	46.99 52.71	1.850 2.075	K K	M M	V
LE 043CD 04 LE 043CD 05										34.93 38.10	1.500	1.974	12.87	58.42	2.075	L K	N N	W W
LE 043CD 05 LE 043CD 06										44.45	1.750	1.581	9.03	69.85	2.750		N N	W
LE 043CD 00										50.80	2.000	1.319	7.53	81.28	3.200	L	N	W
LE 043CD 08										57.15	2.250	1.131	6.46	92.46	3.640	M	P	X
LE 043CD 09										63.50	2.500	0.990	5.65	103.89	4.090	M	Р	X
LE 043CD 10										69.85	2.750	0.879	5.02	115.32	4.540	M	P	X
LE 043CD 11										76.20	3.000	0.792	4.52	126.75	4.990	N	Q	Y
LE 049CD 01			1.24	0.049	66.72	15.00	8.01	1.80	RANDOM	25.40	1.000	6.305	36.00	34.80	1.370	K	М	V
LE 049CD 02										28.58	1.125	5.254	30.00	39.75	1.565	K	М	V
LE 049CD 03										31.75	1.250	4.553	26.00	44.70	1.760	K	М	V
																		1

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LE 049CD 04 LE 049CD 05 LE 049CD 06 LE 049CD 07 LE 049CD 08 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 01 LE 055CD 04 LE 055CD 06 LE 055CD 06 LE 055CD 07 LE 055CD 07 LE 055CD 08 LE 055CD 01 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM10CCD 01† LEM120CE 01† LEM120CE 02† LEM120CE 04† LEM120CE 04† LEM120CE 05†	7.95 8.00	0.313		RE		LB 15.00	INIT TENS N 8.01		RANDOM	MM 34.93 38.10 44.45 50.80 57.15 63.50 69.85 76.20 25.40 28.58 31.75 34.93	IN 1.375 1.500 1.750 2.000 2.250 2.500 2.750 3.000 1.125 1.250	N/MM 4.028 3.678 2.890 2.452 2.102 1.926 1.751 1.576 14.398 11.695 9.846	23.00 21.00 16.50 14.00 12.00 11.00 10.00 9.00 82.21 66.78 56.22	## A 10	IN 1.945 2.130 2.550 2.940 3.350 3.700 4.070 4.470 1.220 1.395 1.570	Music Wire M K L L M M M N L L L L L L L L L L L L	302 Stainfess M N N N P P Q N N N	316 Stainless S316 V W W X X X Y
LE 049CD 05 LE 049CD 06 LE 049CD 07 LE 049CD 08 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 03 LE 055CD 06 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 01 LEM075CD 01 LEM075CD 01 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 09 LEM075CD 09 LEM100CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 02 LEM10CD 03	7.95	0.313	1.24	0.049	66.72	15.00	8.01	1.80		34.93 38.10 44.45 50.80 57.15 63.50 69.85 76.20 25.40 28.58 31.75	1.375 1.500 1.750 2.000 2.250 2.500 2.750 3.000 1.000 1.125	4.028 3.678 2.890 2.452 2.102 1.926 1.751 1.576 14.398 11.695	23.00 21.00 16.50 14.00 12.00 11.00 9.00 82.21 66.78	49.40 54.10 64.77 74.68 85.09 93.98 103.38 113.54 30.99 35.43	1.945 2.130 2.550 2.940 3.350 3.700 4.070 4.470 1.220 1.395	K L L M M M N	M N N N P P P Q N	V W W X X X Y W W
LE 049CD 05 LE 049CD 06 LE 049CD 07 LE 049CD 08 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 03 LE 055CD 06 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 01 LEM075CD 01 LEM075CD 01 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 09 LEM075CD 09 LEM100CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 01 LEM10CD 02 LEM10CD 03			1.40							38.10 44.45 50.80 57.15 63.50 69.85 76.20 25.40 28.58 31.75	1.500 1.750 2.000 2.250 2.500 2.750 3.000 1.000 1.125	3.678 2.890 2.452 2.102 1.926 1.751 1.576 14.398 11.695	21.00 16.50 14.00 12.00 11.00 10.00 9.00 82.21 66.78	54.10 64.77 74.68 85.09 93.98 103.38 113.54 30.99 35.43	2.130 2.550 2.940 3.350 3.700 4.070 4.470 1.220 1.395	L L M M M N L	N N P P P Q N	W W X X X Y W W
LE 049CD 06 LE 049CD 07 LE 049CD 07 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 03 LE 055CD 06 LE 055CD 07 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 10 LE 055CD 01 LE 055CD 01 LE 055CD 05 LE 055CD 07 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 01 LE 055CD 01 LEM075CD 01 LEM075CD 01 LEM075CD 02 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM10CD 01 LEM12CD 01 LEM12CD 01 LEM12CD 01 LEM12CD 01 LEM12CCE 01	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	44.45 50.80 57.15 63.50 69.85 76.20 25.40 28.58 31.75	1.750 2.000 2.250 2.500 2.750 3.000 1.000 1.125	2.890 2.452 2.102 1.926 1.751 1.576 14.398 11.695	16.50 14.00 12.00 11.00 10.00 9.00 82.21 66.78	64.77 74.68 85.09 93.98 103.38 113.54 30.99 35.43	2.550 2.940 3.350 3.700 4.070 4.470 1.220 1.395	L M M N L	N P P Q N	W X X X Y W W
LE 049CD 07 LE 049CD 08 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 02 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 10 LE 055CD 10 LE 055CD 01 LE 055CD 09 LE 055CD 01 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM160CD 01† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	50.80 57.15 63.50 69.85 76.20 25.40 28.58 31.75	2.000 2.250 2.500 2.750 3.000 1.000 1.125	2.452 2.102 1.926 1.751 1.576 14.398 11.695	14.00 12.00 11.00 10.00 9.00 82.21 66.78	74.68 85.09 93.98 103.38 113.54 30.99 35.43	2.940 3.350 3.700 4.070 4.470 1.220 1.395	L M M M N L	N P P Q N	W X X X Y W W
LE 049CD 08 LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 055CD 01 LE 055CD 02 LE 055CD 04 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM100CD 01† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	57.15 63.50 69.85 76.20 25.40 28.58 31.75	2.250 2.500 2.750 3.000 1.000 1.125	2.102 1.926 1.751 1.576 14.398 11.695	12.00 11.00 10.00 9.00 82.21 66.78	85.09 93.98 103.38 113.54 30.99 35.43	3.350 3.700 4.070 4.470 1.220 1.395	M M M N L	P P Q N N	X X X Y W
LE 049CD 09 LE 049CD 10 LE 049CD 11 LE 049CD 11 LE 055CD 01 LE 055CD 02 LE 055CD 03 LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01 LEM160CD 01 LEM160CD 03 LEM120CE 01 LEM120CE 03 LEM120CE 04	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	63.50 69.85 76.20 25.40 28.58 31.75	2.500 2.750 3.000 1.000 1.125	1.926 1.751 1.576 14.398 11.695	11.00 10.00 9.00 82.21 66.78	93.98 103.38 113.54 30.99 35.43	3.700 4.070 4.470 1.220 1.395	M M N L	P P Q N	X X Y W W
LE 049CD 10 LE 049CD 11 LE 049CD 11 LE 049CD 11 LE 055CD 01 LE 055CD 02 LE 055CD 03 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM100CD 01† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	69.85 76.20 25.40 28.58 31.75	2.750 3.000 1.000 1.125	1.751 1.576 14.398 11.695	10.00 9.00 82.21 66.78	103.38 113.54 30.99 35.43	4.070 4.470 1.220 1.395	M N L L	P Q N N	X Y W
LE 049CD 11 LE 055CD 01 LE 055CD 02 LE 055CD 03 LE 055CD 04 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 04 LEM075CD 05 LEM075CD 07 LEM075CD 06 LEM075CD 07 LEM075CD 09 LEM160CD 01† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	76.20 25.40 28.58 31.75	3.000 1.000 1.125	1.576 14.398 11.695	9.00 82.21 66.78	113.54 30.99 35.43	4.470 1.220 1.395	N L L	Q N N	Y W W
LE 055CD 01 LE 055CD 02 LE 055CD 03 LE 055CD 04 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM160CD 01† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	25.40 28.58 31.75	1.000 1.125	14.398 11.695	82.21 66.78	30.99 35.43	1.220 1.395	L L	N N	W W
LE 055CD 02 LE 055CD 03 LE 055CD 04 LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 04 LEM075CD 05 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 04†	8.00	0.315		0.055	93.41	21.00	13.34	3.00	RANDOM	28.58 31.75	1.125	11.695	66.78	35.43	1.395	L	N	W
LE 055CD 03 LE 055CD 04 LE 055CD 04 LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 04 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM075CD 09 LEM075CD 09 LEM160CD 011 LEM160CD 021 LEM120CE 011 LEM120CE 041	8.00	0.315	0.75							31.75				I .				
LE 055CD 04 LE 055CD 05 LE 055CD 05 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 04 LEM075CD 05 LEM075CD 07 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01 LEM160CD 021 LEM160CD 031 LEM120CE 011 LEM120CE 041	8.00	0.315	0.75								1.200					M		Х
LE 055CD 05 LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 09 LEM160CD 01 LEM160CD 02† LEM120CE 01† LEM120CE 04†	8.00	0.315	0.75								1.375	8.503	48.55	44.32	1.745	M	P	X
LE 055CD 06 LE 055CD 07 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 04†	8.00	0.315	0.75							38.10	1.500	7.482	42.72	48.77	1.920	N	Q.	Y
LE 055CD 07 LE 055CD 08 LE 055CD 08 LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315	0.75							44.45	1.750	6.033	34.45	57.66	2.270	N	Q	Y
LE 055CD 09 LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 07 LEM075CD 07 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315	0.75							50.80	2.000	5.053	28.85	66.55	2.620	N	Q	Y
LE 055CD 10 LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 06 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 02† LEM120CE 04†	8.00	0.315	0.75							57.15	2.250	4.349	24.83	75.44	2.970	Р	R	Z
LE 055CD 11 LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†	8.00	0.315	0.75							63.50	2.500	3.816	21.79	84.58	3.330	Р	R	Z
LEM075CD 01 LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†	8.00	0.315	0.75		I					69.85	2.750	3.399	19.41	93.47	3.680	Р	R	Z
LEM075CD 02 LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 011 LEM160CD 021 LEM160CD 031 LEM120CE 011 LEM120CE 031 LEM120CE 041	8.00	0.315	0.75							76.20	3.000	3.065	17.50	102.36	4.030	Q	S	BA
LEM075CD 03 LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 011 LEM160CD 021 LEM160CD 031 LEM120CE 011 LEM120CE 031 LEM120CE 041				0.030	16.70	3.75	1.65	0.37	RANDOM	25.00	0.984	0.573	3.27	51.16	2.014	K	М	SPECIAL
LEM075CD 04 LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†										30.00	1.181	0.396	2.26	68.10	2.681	K	М	SPECIAL
LEM075CD 05 LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†										35.00	1.378	0.303	1.73	84.53	3.328	K	M	SPECIAL
LEM075CD 06 LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†										40.00	1.575	0.245	1.40	101.22	3.985	K	М	SPECIAL
LEM075CD 07 LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 02† LEM120CE 03† LEM120CE 04†										45.00	1.772	0.207	1.18	117.65	4.632	L	N	SPECIAL
LEM075CD 08 LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†	l									50.00	1.969 2.165	0.177	1.01	135.10 151.51	5.319 5.965	L	N	SPECIAL SPECIAL
LEM075CD 09 LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†										55.00 60.00	2.165	0.156 0.138	0.89 0.79	168.71	6.642	M	N P	SPECIAL
LEM160CD 01† LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†										65.00	2.559	0.136	0.79	184.12	7.249	M	P	SPECIAL
LEM160CD 02† LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†			1.60	0.063	146.00	32.82	21.81	4.90	INLINE	25.30	0.996	25.400	145.04	30.18	1.188	L	N	SPECIAL
LEM160CD 03† LEM120CE 01† LEM120CE 02† LEM120CE 03† LEM120CE 04†				0.000	1 10.00	02.02	2			34.90	1.374	15.900	90.79	42.70	1.681	L	N	SPECIAL
LEM120CE 02† LEM120CE 03† LEM120CE 04†										49.30	1.941	10.200	58.24	61.49	2.421	М	Р	SPECIAL
LEM120CE 03† LEM120CE 04†	8.50	0.335	1.20	0.047	62.80	14.12	9.22	2.07	INLINE	23.00	0.906	5.430	31.01	32.84	1.293	L	N	SPECIAL
LEM120CE 04†										30.20	1.189	3.390	19.36	46.00	1.811	L	N	SPECIAL
										41.00	1.614	2.170	12.39	65.61	2.583	M	Р	SPECIAL
LEM120CE 05†										59.00	2.323	1.350	7.71	98.60	3.882	М	Р	SPECIAL
										290.00	11.417	0.240	1.37	515.01	20.276	BD	BE	SPECIAL
LEM080CF 01†	9.00	0.354	0.80	0.031	19.00	4.27	2.73	0.61	INLINE	20.60	0.811	0.760	4.34	42.01	1.654	J	L	SPECIAL
LEM080CF 02†										25.40	1.000	0.470	2.68	59.69	2.350	K	M	SPECIAL
LEM080CF 03†										32.60	1.283	0.300	1.71	86.11	3.390	K	M	SPECIAL
LEM080CF 04†										44.60	1.756	0.190	1.08	130.20	5.126	L	N P	SPECIAL
LEM080CF 05† LEM180CF 01†		-	1.80	0.071	180.00	40.47	26.47	5.95	INLINE	60.60 28.40	2.386 1.118	0.130 28.600	0.74 163.31	188.60 33.78	7.425 1.330	M N	R	SPECIAL SPECIAL
LEM180CF 011 LEM180CF 02†			1.00	0.071	100.00	40.47	20.47	3.93	INLINE	39.20	1.116	17.800	103.31	33.76 47.78	1.881	Q	K T	SPECIAL
LEM180CF 03†										55.40	2.181	11.500	65.67	68.81	2.709	R	U	SPECIAL
LEM095D 01	9.50	0.374	0.95	0.037	26.00	5.84	3.16	0.71	RANDOM	19.00	0.748	4.492	25.65	24.08	0.948	J	L	SPECIAL
LEM095D 02					***					22.00	0.866	2.187	12.49	32.41	1.276	J	L	SPECIAL
LEM095D 03										25.00	0.984	1.447	8.26	40.74	1.604	K	М	SPECIAL
LEM095D 04										30.00	1.181	0.925	5.28	54.64	2.151	K	М	SPECIAL
LEM095D 05										35.00	1.378	0.680	3.88	68.53	2.698	K	М	SPECIAL
LEM095D 06										40.00	1.575	0.536	3.06	82.68	3.255	L	N	SPECIAL
LEM095D 07										45.00	1.772	0.443	2.53	96.57	3.802	L	N	SPECIAL
LEM095D 08										50.00	1.969	0.378	2.16	110.46	4.349	L	N	SPECIAL
LEM095D 09										55.00	2.165	0.329	1.88	124.33	4.895	M	Р	SPECIAL
LEM095D 10										60.00	2.362	0.292	1.67	137.97	5.432	M	Р	SPECIAL
LEM095D 11										65.00	2.559	0.263	1.50	151.87	5.979	M	P	SPECIAL
LEM095D 12			1.00	0.047	E4.00	10.14	C OF	1.54	DANDOM	70.00	2.756	0.238	1.36	165.76	6.526	N	Q	SPECIAL
LEM120D 01 LEM120D 02			1.20	0.047	54.00	12.14	6.85	1.54	RANDOM	25.00 30.00	0.984 1.181	4.687 3.082	26.76 17.60	35.15 45.24	1.384 1.781	M M	N P	SPECIAL SPECIAL
LEM120D 02 LEM120D 03	I									35.00	1.101	2.296	13.11	45.24 55.58	2.188	M	P	SPECIAL
LEIVI IZUD UJ										55.00	1.070	2.250	13.11	JJ.J0	2.100	IVI	Г	OI LOIAL
									1	1		l l		I				

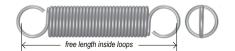
[†] Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

LEE	OUT	TSIDE .		IINAL	MΔXI	IMUM	INII	ΓIAL	LOOP		INAL	SPR	RING		IMUM		PRICE GROU	IP
STOCK Number		WETER		IRE Ieter		AD		SION	POSITION		EE GTH		TE		NDED IGTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	М	S	S316
LEM120D 04	9.50	0.374	1.20	0.047	54.00	12.14	6.85	1.54	RANDOM	40.00	1.575	1.828	10.44	65.91	2.595	N	Q	SPECIAL
LEM120D 05										45.00	1.772	1.520	8.68	76.00	2.992	N	Q	SPECIAL
LEM120D 06										50.00	1.969	1.301	7.43	86.33	3.399	Р	R	SPECIAL
LEM120D 07										55.00	2.165	1.137	6.49	96.39	3.795	Р	R	SPECIAL
LEM120D 08										60.00	2.362	1.009	5.76	106.73	4.202	Р	R	SPECIAL
LEM120D 09										70.00	2.756	0.825	4.71	127.15	5.006	Q	S	SPECIAL
LEM120D 10										80.00	3.150	0.697	3.98	147.57	5.810	Q	S	SPECIAL
LEM120D 11 LEM120D 12										90.00	3.543 3.937	0.602 0.532	3.44	168.22 188.65	6.623 7.427	Q R	S	SPECIAL SPECIAL
LEM120D 12 LEM120D 13										115.00	4.528	0.552	2.58	219.41	8.638	R	' T	SPECIAL
LEM150D 01	1		1.50	0.059	98.00	22.05	14.68	3.30	RANDOM	25.00	0.984	14.604	83.39	30.58	1.204	P	R	SPECIAL
LEM150D 02										30.00	1.181	9.893	56.49	38.38	1.511	P	R	SPECIAL
LEM150D 03										35.00	1.378	7.480	42.71	46.18	1.818	Q	S	SPECIAL
LEM150D 04	1									40.00	1.575	6.014	34.34	53.98	2.125	Q	S	SPECIAL
LEM150D 05										45.00	1.772	5.028	28.71	61.52	2.422	Q	S	SPECIAL
LEM150D 06										50.00	1.969	4.321	24.67	69.32	2.729	R	T	SPECIAL
LEM150D 07										55.00	2.165	3.786	21.62	77.09	3.035	R	T	SPECIAL
LEM150D 08										60.00	2.362	3.370	19.24	84.63	3.332	R	T	SPECIAL
LEM150D 09										70.00	2.756	2.764	15.78	100.23	3.946	R	T	SPECIAL
LEM150D 10 LE 026D 01	9.53	0.375	0.66	0.026	10.23	2.30	0.98	0.22	RANDOM	80.00 25.40	3.150 1.000	2.342 0.228	13.37	115.57 66.04	4.550 2.600	S	U	SPECIAL BA
LE 026D 01 LE 026D 02	9.55	0.575	0.00	0.026	10.23	2.30	0.90	0.22	RANDOW	28.58	1.125	0.226	0.92	85.98	3.385	K	M	BB
LE 026D 02										31.75	1.250	0.126	0.72	105.16	4.140	K	M	BB
LE 026D 04										34.93	1.375	0.105	0.60	123.06	4.845	K	M	BB
LE 026D 05										38.10	1.500	0.088	0.50	143.76	5.660	L	N	BC
LE 026D 06										44.45	1.750	0.068	0.39	179.83	7.080	L	N	BC
LE 031D 0			0.79	0.031	15.12	3.40	1.33	0.30	RANDOM	22.23	0.875	0.851	4.86	38.48	1.515	J	L	BA
LE 031D 01										25.40	1.000	0.543	3.10	50.80	2.000	J	L	BA
LE 031D 02										28.58	1.125	0.403	2.30	62.87	2.475	K	M	BB
LE 031D 03 LE 031D 04										31.75 34.93	1.250 1.375	0.315 0.263	1.80 1.50	75.44 87.50	2.970 3.445	K K	M M	BB BB
LE 031D 04 LE 031D 05										38.10	1.500	0.203	1.30	98.55	3.880	L	N N	BC
LE 031D 05										44.45	1.750	0.168	0.96	126.49	4.980	L	N	BC
LE 031D 07										50.80	2.000	0.137	0.78	151.64	5.970	L	N	BC
LE 031D 08										57.15	2.250	0.116	0.66	176.53	6.950	М	Р	BD
LE 031D 09										63.50	2.500	0.100	0.57	201.68	7.940	М	Р	BD
LE 031D 10										69.85	2.750	0.088	0.50	227.33	8.950	М	Р	BD
LE 031D 11										76.20	3.000	0.079	0.45	251.21	9.890	N	Q	BE
LE 034D 01			0.86	0.034	20.46	4.60	2.22	0.50	RANDOM	25.40	1.000	0.841	4.80	46.99	1.850	J	L	BA
LE 034D 02 LE 034D 03										28.58 31.75	1.125 1.250	0.630 0.490	3.60 2.80	57.53 68.83	2.265 2.710	K K	M	BB BB
LE 034D 03 LE 034D 04										34.93	1.375	0.490	2.40	78.36	3.085	K	M M	BB
LE 034D 05										38.10	1.500	0.350	2.00	90.17	3.550	L	N	BC
LE 034D 06										44.45	1.750	0.280	1.60	109.47	4.310	L	N	BC
LE 034D 07										50.80	2.000	0.228	1.30	130.81	5.150	М	Р	BD
LE 034D 08										57.15	2.250	0.188	1.07	154.20	6.071	М	Р	BD
LE 034D 09										63.50	2.500	0.163	0.93	175.72	6.918	М	Р	BD
LE 034D 10										69.85	2.750	0.143	0.82	197.15	7.762	M	Р	BD
LE 034D 11										76.20	3.000	0.128	0.73	218.67	8.609	N	Q	BE
LE 034D 12										88.90	3.500	0.106	0.60	261.59	10.299	N P	Q	BE BF
LE 034D 13 LE 034D 14										101.60 114.30	4.000 4.500	0.090 0.078	0.51 0.45	304.60 347.80	11.992 13.693	P	R R	BF
LE 034D 14 LE 034D 15										127.00	5.000	0.078	0.45	390.65	15.380	Q	S	BG
LE 037D 0	1		0.94	0.037	25.80	5.80	3.11	0.70	RANDOM	19.05	0.750	4.256	24.30	24.38	0.960	J	L	BA
LE 037D 01										25.40	1.000	1.349	7.70	42.16	1.660	J	L	BA
LE 037D 02										28.58	1.125	0.981	5.60	51.69	2.035	K	М	BB
LE 037D 03										31.75	1.250	0.771	4.40	61.21	2.410	K	М	BB
LE 037D 04										34.93	1.375	0.648	3.70	69.98	2.755	K	M	BB
LE 037D 05										38.10	1.500	0.560	3.20	78.49	3.090	L	N	BC
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 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	OUT	SIDE	NOM		MAXI	MUM	INIT	TAL	LOOP	NOM		SPF	RING	MAXI			PRICE GROU	P
STOCK NUMBER		METER		RE IETER	LO		TENS		POSITION		EE GTH		TE	EXTE LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 037D 06	9.53	0.375	0.94	0.037	25.80	5.80	3.11	0.70	RANDOM	44.45	1.750	0.420	2.40	98.55	3.880	L	N	BC
LE 037D 07										50.80	2.000	0.350	2.00	115.57	4.550	М	Р	BD
LE 037D 08										57.15	2.250	0.298	1.70	133.35	5.250	М	Р	BD
LE 037D 09										63.50	2.500	0.245	1.40	155.96	6.140	M	P	BD
LE 037D 10										69.85	2.750	0.221	1.26	172.72	6.800	M	P	BD
LE 037D 11										76.20 88.90	3.000	0.200	1.14	189.74	7.470 8.914	N P	Q	BE BF
LE 037D 12 LE 037D 13										101.60	3.500 4.000	0.165 0.140	0.94 0.80	226.42 263.32	10.367	Q	R S	BG
LE 037D 13	-									114.30	4.500	0.140	0.70	299.90	11.807	R	S	BG
LE 037D 15										127.00	5.000	0.108	0.62	336.60	13.252	R	T	BH
LE 039D 01	1		0.99	0.039	30.25	6.80	3.56	0.80	RANDOM	25.40	1.000	1.681	9.60	41.40	1.630	J	L	BA
LE 039D 02										28.58	1.125	1.226	7.00	50.42	1.985	K	М	BB
LE 039D 03										31.75	1.250	0.998	5.70	58.42	2.300	К	М	BB
LE 039D 04										34.93	1.375	0.841	4.80	66.68	2.625	K	М	BB
LE 039D 05										38.10	1.500	0.718	4.10	75.18	2.960	L	N	BC
LE 039D 06										44.45	1.750	0.560	3.20	92.20	3.630	L	N	BC
LE 039D 07										50.80	2.000	0.455	2.60	109.47	4.310	М	Р	BD
LE 039D 08										57.15	2.250	0.385	2.20	126.49	4.980	М	Р	BD
LE 039D 09										63.50	2.500	0.333	1.90	143.76	5.660	М	Р	BD
LE 039D 10										69.85	2.750	0.296	1.69	160.02	6.300	M	P	BD
LE 039D 11			101	0.044	04.70	7.00	4.00	0.00	DANIBONA	76.20	3.000	0.264	1.51	177.04	6.970	N	Q	BE
LE 041D 0			1.04	0.041	34.70	7.80	4.00	0.90	RANDOM	19.05	0.750	6.655	38.00	23.62	0.930	L	P	BD
LE 041D 01 LE 041D 02										25.40 28.58	1.000 1.125	2.224 1.664	12.70 9.50	39.12 47.12	1.540 1.855	L	P Q	BD BE
LE 041D 02 LE 041D 03	-									31.75	1.125	1.331	7.60	54.86	2.160	M M	Q	BE
LE 041D 03										34.93	1.375	1.121	6.40	62.36	2.455	M	Q	BE
LE 041D 05										38.10	1.500	0.963	5.50	69.85	2.750	N.	R	BF
LE 041D 06	1									44.45	1.750	0.736	4.20	86.11	3.390	N	R	BF
LE 041D 07										50.80	2.000	0.595	3.40	102.36	4.030	N	R	BF
LE 041D 08										57.15	2.250	0.508	2.90	117.60	4.630	Р	s	BG
LE 041D 09	1									63.50	2.500	0.438	2.50	133.60	5.260	Р	S	BG
LE 041D 10										69.85	2.750	0.384	2.19	149.86	5.900	Р	S	BG
LE 041D 11										76.20	3.000	0.343	1.96	165.61	6.520	Q	Т	BH
LE 041D 12										88.90	3.500	0.285	1.63	196.34	7.730	Q	Т	BH
LE 041D 13										101.60	4.000	0.242	1.38	228.52	8.997	R	U	BJ
LE 041D 14										114.30	4.500	0.210	1.20	260.35	10.250	R	U	BJ
LE 041D 15				0.045	44.40	40.00	504	4.00	DANIBON	127.00	5.000	0.187	1.07	290.83	11.450	R	U	BJ
LE 045D 0			1.14	0.045	44.48	10.00	5.34	1.20	RANDOM	19.05	0.750	9.983	57.00	22.86	0.900	L	P	BD
LE 045D 01 LE 045D 02										25.40 28.58	1.000 1.125	3.538	20.20 15.60	36.58 42.80	1.440 1.685	L M	P Q	BD BE
LE 045D 02 LE 045D 03	-									31.75	1.125	2.732 2.137	12.20	50.04	1.970	M	Q	BE
LE 045D 03 LE 045D 04										34.93	1.375	1.769	10.10	57.02	2.245	M	Q	BE
LE 045D 05										38.10	1.500	1.541	8.80	63.50	2.500	N	R	BF
LE 045D 05	1									44.45	1.750	1.313	7.50	74.17	2.920	N	R	BF
LE 045D 07										50.80	2.000	0.981	5.60	90.68	3.570	N	R	BF
LE 045D 08										57.15	2.250	0.841	4.80	103.63	4.080	Р	S	BG
LE 045D 09	1									63.50	2.500	0.718	4.10	118.11	4.650	Р	S	BG
LE 045D 10										69.85	2.750	0.630	3.60	131.83	5.190	Р	S	BG
LE 045D 11										76.20	3.000	0.560	3.20	146.05	5.750	Q	T	BH
LE 045D 12										88.90	3.500	0.455	2.60	174.75	6.880	Q	T	BH
LE 045D 13										101.60	4.000	0.394	2.25	200.91	7.910	R	U	BJ
LE 045D 14										114.30	4.500	0.347	1.98	227.08	8.940	R	U	BJ
LE 045D 15										127.00	5.000	0.308	1.76	254.00	10.000	S	V	BK
LE 045D 16										139.70	5.500	0.277	1.58	281.18	11.070	S	V	BK
LE 045D 17			401	0.045	F= 60	40.00	0.0=		DAVIDE	152.40	6.000	0.250	1.43	308.71	12.154	S	V	BK
LE 049D 01			1.24	0.049	57.83	13.00	6.67	1.50	RANDOM	25.40	1.000	5.254	30.00	35.05	1.380	L	P	BD
LE 049D 02										28.58	1.125	4.151	23.70	41.02	1.615	M	Q	BE
LE 049D 03 LE 049D 04	-									31.75 34.93	1.250 1.375	3.328 2.802	19.00 16.00	47.24 53.21	1.860 2.095	M M	Q Q	BE BE
LE 049D 04 LE 049D 05										34.93 38.10	1.500	2.802	13.90	53.21	2.095	M N	R	BF
										JO. IU	1.000	2.404	10.50	JJ.10	Z.JJU	I IN	ı [X	DL.

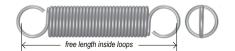
[†] Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

LEE	0117	SIDE	NOM		МАХ	IMUM	INIT	ΓIAL	LOOP		IINAL	SPE	RING		IMUM		PRICE GROU	JP .
STOCK NUMBER		METER	DIAM	re Eter		AD		SION	POSITION		REE Gth		TE	EXTE Len	NDED Gth	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	ММ	IN	М	S	S316
LE 049D 07	9.53	0.375	1.24	0.049	57.83	13.00	6.67	1.50	RANDOM	50.80	2.000	1.576	9.00	83.31	3.280	N	R	BF
LE 049D 08										57.15	2.250	1.313	7.50	96.01	3.780	Р	S	BG
LE 049D 09										63.50	2.500	1.121	6.40	109.22	4.300	Р	S	BG
LE 049D 10										69.85	2.750	1.016	5.80	120.14	4.730	Р	S	BG
LE 049D 11										76.20	3.000	0.911	5.20	132.33	5.210	Q	Т	BH
LE 049D 12										88.90	3.500	0.736	4.20	158.50	6.240	Q	Т	BH
LE 049D 13										101.60	4.000	0.630	3.60	182.63	7.190	R	U	BJ
LE 049D 14										114.30	4.500	0.560	3.20	205.49	8.090	R	U	BJ
LE 049D 15										127.00	5.000	0.485	2.77	232.41	9.150	S	V	BK
LE 049D 16										139.70	5.500	0.438	2.50	256.54	10.100	T	W	BL
LE 049D 17			4.20	0.050	CO OF	15.50	7 70	4.75	DANDOM	152.40	6.000	0.398	2.27	281.08	11.066	T	W	BL
LE 052D 01			1.32	0.052	68.95	15.50	7.78	1.75	RANDOM	25.40	1.000	7.128	40.70 31.00	34.04	1.340	N P	R	BF
LE 052D 02 LE 052D 03										28.58 31.75	1.125 1.250	5.429 4.378	25.00	39.75 45.72	1.565 1.800	P	S	BG BG
LE 052D 03										34.93	1.375	3.800	21.70	50.93	2.005	P	S	BG
LE 052D 04 LE 052D 05										38.10	1.500	3.257	18.60	56.90	2.240	Q	T	BH
LE 052D 06										44.45	1.750	2.539	14.50	68.58	2.700	Q	T .	BH
LE 052D 07										50.80	2.000	2.294	13.10	77.47	3.050	R	U	BJ
LE 052D 07										57.15	2.250	1.786	10.20	91.44	3.600	R	U	BJ
LE 052D 09										63.50	2.500	1.541	8.80	103.12	4.060	R	U	BJ
LE 052D 10										69.85	2.750	1.366	7.80	114.55	4.510	R	U	BJ
LE 052D 11										76.20	3.000	1.226	7.00	125.98	4.960	s	V	BK
LE 055D 0	1		1.40	0.055	77.84	17.50	8.90	2.00	RANDOM	25.40	1.000	9.772	55.80	32.51	1.280	N	R	BF
LE 055D 0A										28.58	1.125	7.472	42.66	37.80	1.488	Р	S	BG
LE 055D 01										31.75	1.250	6.095	34.80	43.18	1.700	Р	S	BG
LE 055D 02										34.93	1.375	5.219	29.80	48.13	1.895	Р	S	BG
LE 055D 03										38.10	1.500	4.448	25.40	53.59	2.110	Q	Т	BH
LE 055D 04										44.45	1.750	3.485	19.90	64.26	2.530	Q	T	BH
LE 055D 05										50.80	2.000	2.872	16.40	74.93	2.950	Q	Т	BH
LE 055D 06										57.15	2.250	2.434	13.90	85.60	3.370	R	U	BJ
LE 055D 07										63.50	2.500	2.084	11.90	96.52	3.800	R	U	BJ
LE 055D 08										69.85	2.750	1.856	10.60	106.93	4.210	R	U	BJ
LE 055D 09										76.20	3.000	1.664	9.50	117.60	4.630	S	V	BK
LE 055D 10										88.90	3.500	1.384	7.90	138.68	5.460	S	V	BK
LE 055D 11										101.60	4.000	1.191	6.80	159.51	6.280	T	W	BL
LE 055D 12										114.30	4.500	1.033	5.90	181.10	7.130	T	W	BL
LE 055D 13 LE 055D 14										127.00 139.70	5.000 5.500	0.928 0.820	5.30 4.68	201.17	7.920 8.810	U	X	BM BM
LE 055D 14 LE 055D 15										152.40	6.000	0.020	4.00	245.36	9.660	V	Y	BN
LE 058D 01			1.47	0.058	88.96	20.00	11.12	2.50	RANDOM	25.40	1.000	12.452	71.10	31.75	1.250	N	R	BF
LE 058D 02			1.47	0.000	00.50	20.00	1112	2.00	I V W DOW	28.58	1.125	9.825	56.10	36.45	1.435	P	S	BG
LE 058D 03										31.75	1.250	7.776	44.40	41.66	1.640	P	S	BG
LE 058D 04										34.93	1.375	6.673	38.10	46.61	1.835	P	S	BG
LE 058D 05										38.10	1.500	5.832	33.30	51.56	2.030	Q	T	BH
LE 058D 06										44.45	1.750	4.553	26.00	61.47	2.420	Q	T	BH
LE 058D 07										50.80	2.000	3.818	21.80	71.12	2.800	Q	T	BH
LE 058D 08										57.15	2.250	3.222	18.40	81.28	3.200	R	U	BJ
LE 058D 09										63.50	2.500	2.785	15.90	91.44	3.600	R	U	BJ
LE 058D 10	1									69.85	2.750	2.487	14.20	101.09	3.980	R	U	BJ
LE 058D 11										76.20	3.000	2.224	12.70	111.25	4.380	S	V	BK
LE 058D 12										88.90	3.500	1.851	10.57	130.96	5.156	S	V	BK
LE 058D 13										101.60	4.000	1.581	9.03	150.83	5.938	T	W	BL
LE 058D 14										114.30	4.500	1.380	7.88	170.71	6.721	Т	W	BL
LE 058D 15										127.00	5.000	1.224	6.99	190.60	7.504	U	Х	BM
LE 058D 16										139.70	5.500	1.100	6.28	210.49	8.287	U	Х	BM
LE 058D 17										152.40	6.000	0.998	5.70	230.38	9.070	V	Y	BN
LEM090DB 01†	10.00	0.394	0.90	0.035	24.00	5.4	3.46	0.78	INLINE	23.00	0.906	0.880	5.02	46.10	1.815	J	L	SPECIAL
LEM090DB 02†										28.40	1.118	0.550	3.14	65.30	2.571	K	М	SPECIAL
LEM090DB 03†										36.50	1.437	0.350	2.00	94.11	3.705	L	N	SPECIAL
LEM090DB 04†										50.00	1.969	0.230	1.31	142.19	5.598	M	P	SPECIAL
LEM090DB 05†										68.00	2.677	0.150	0.86	205.99	8.110	М	Р	SPECIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	OUT	SIDE		INAL	MAXI	MUM	INIT	TAL	LOOP		INAL	SPR	RING		IMUM		PRICE GROU	JP
STOCK Number		METER		re Ieter	LÕ		TENS		POSITION		REE Igth		TE	EXTE	NDED Gth	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	М	S	S316
LEM140DB 01†	10.00	0.394	1.40	0.055	83.60	18.79	12.66	2.85	INLINE	26.90	1.059	6.140	35.06	38.51	1.516	N	R	SPECIAL
LEM140DB 02†										35.30	1.390	3.830	21.87	53.80	2.118	Р	S	SPECIAL
LEM140DB 03†										47.90	1.886	2.460	14.05	76.81	3.024	Q	T	SPECIAL
LEM140DB 04†										68.90	2.713	1.540	8.79	115.09	4.531	R	U	SPECIAL
LEM140DB 05†										290.00	11.417	0.320	1.83	510.01	20.079	BD	BE	SPECIAL
LEM200DB 01†			2.00	0.079	220.00	49.46	32.94	7.41	INLINE	31.60	1.244	31.800	181.58	37.47	1.475	Q	Т	SPECIAL
LEM200DB 02†										43.60	1.717	19.900	113.63	52.98	2.086	Q	T	SPECIAL
LEM200DB 03†										61.60	2.425	12.800	73.09	76.30	3.004	R	U	SPECIAL
LE 037DD 01	10.67	0.420	0.94	0.037	21.48	4.83	2.22	0.50	RANDOM	25.40	1.000	1.541	8.80	37.90	1.492	L	N	BF
LE 037DD 02										28.58	1.125	0.963	5.50	48.56	1.912	L	N	BF
LE 037DD 03										31.75	1.250	0.683	3.90	59.94	2.360	L	N	BF
LE 037DD 04										34.93	1.375	0.543	3.10	70.41	2.772	M	P	BG
LE 037DD 05										38.10	1.500	0.438	2.50	82.09	3.232	M	P P	BG
LE 037DD 06 LE 037DD 07										44.45 50.80	1.750 2.000	0.333	1.90 1.50	102.31 124.10	4.028 4.886	M N	Q	BG BH
LE 037DD 07 LE 037DD 08										57.15	2.250	0.203	1.20	148.79	5.858	N N	Q	BH
LE 037DD 00										63.50	2.500	0.210	1.00	173.38	6.826	N	Q	BH
LE 037DD 03										69.85	2.750	0.173	0.90	191.95	7.557	P	R	BJ
LE 037DD 10 LE 037DD 11										76.20	3.000	0.130	0.80	213.66	8.412	P	R	BJ
LE 045DD 01			1.14	0.045	39.14	8.80	4.00	0.90	RANDOM	25.40	1.000	3.116	17.79	36.68	1.444	M	P	BG
LE 045DD 01			1.14	0.040	00.14	0.00	4.00	0.50	TVWINDOW	28.58	1.125	2.189	12.50	44.63	1.757	M	Р	BG
LE 045DD 03										31.75	1.250	1.687	9.63	52.58	2.070	M	Р	BG
LE 045DD 04										34.93	1.375	1.371	7.83	60.55	2.384	N	Q	BH
LE 045DD 05										38.10	1.500	1.156	6.60	68.50	2.697	N	Q	BH
LE 045DD 06										44.45	1.750	0.879	5.02	84.43	3.324	N	Q	BH
LE 045DD 07										50.80	2.000	0.709	4.05	100.36	3.951	Р	R	BJ
LE 045DD 08										57.15	2.250	0.595	3.40	116.18	4.574	Р	R	BJ
LE 045DD 09										63.50	2.500	0.511	2.92	132.21	5.205	Р	R	BJ
LE 045DD 10										69.85	2.750	0.450	2.57	147.93	5.824	Q	S	BK
LE 045DD 11										76.20	3.000	0.401	2.29	163.83	6.450	Q	S	BK
LE 055DD 01			1.40	0.055	71.66	16.11	6.23	1.40	RANDOM	25.40	1.000	9.913	56.60	32.00	1.260	N	R	BJ
LE 055DD 02										28.58	1.125	6.795	38.80	38.20	1.504	N	R	BJ
LE 055DD 03										31.75	1.250	5.079	29.00	44.63	1.757	Р	S	BK
LE 055DD 04										34.93	1.375	4.116	23.50	50.80	2.000	Р	S	BK
LE 055DD 05										38.10	1.500	3.415	19.50	57.25	2.254	Q	T	BL
LE 055DD 06										44.45	1.750	2.574	14.70	69.88	2.751	Q	Т	BL
LE 055DD 07										50.80	2.000	2.067	11.80	82.47	3.247	Q	T	BL
LE 055DD 08										57.15	2.250	1.716	9.80	95.28	3.751	R	U	BM
LE 055DD 09										63.50	2.500	1.471	8.40	107.98	4.251	R	U	BM
LE 055DD 10										69.85	2.750	1.296	7.40	120.35	4.738	R	U	BM
LE 055DD 11	44.00	0.400	4.00	0.000	00.00	0.05	4.40	0.04	IN II IN IT	76.20	3.000	1.156	6.60	132.82	5.229	S	V	BN
LEM100DE 01†	11.00	0.433	1.00	0.039	29.60	6.65	4.18	0.94	INLINE	25.40	1.000	1.020	5.82	50.19	1.976	L	N P	SPECIAL
LEM100DE 02† LEM100DE 03†										31.40 40.40	1.236 1.591	0.640 0.410	3.65 2.34	70.99 102.31	2.795 4.028	M N	Q	SPECIAL SPECIAL
LEM100DE 03†										55.40	2.181	0.410	1.48	154.41	6.079	N P	R	SPECIAL
LEM100DE 04†										75.40	2.969	0.200	0.97	224.41	8.835	Q	S	SPECIAL
LEM160DE 03†			1.60	0.063	111.00	24.95	16.91	3.80	INLINE	30.10	1.185	8.040	45.91	41.81	1.646	P	S	SPECIAL
LEM160DE 01†			1.00	0.003	111.00	24.33	10.31	3.00	IINLIINL	39.70	1.563	5.020	28.66	58.39	2.299	Q	T	SPECIAL
LEM160DE 02†										54.10	2.130	3.220	18.39	83.39	3.283	R	U	SPECIAL
LEM160DE 04†										78.10	3.075	2.010	11.48	124.89	4.917	S	V	SPECIAL
LE 037DE 01	11.13	0.438	0.94	0.037	24.47	5.50	2.45	0.55	RANDOM	25.40	1.000	0.666	3.80	47.75	1.880	L	N	BF
LE 037DE 02	•		3.01	2.001		0.00		5.55	2.20.0	28.58	1.125	0.525	3.00	59.94	2.360	M	P	BG
LE 037DE 03										31.75	1.250	0.420	2.40	84.07	3.310	M	Р	BG
LE 037DE 04										34.93	1.375	0.350	2.00	97.92	3.855	М	Р	BG
LE 037DE 05										38.10	1.500	0.306	1.75	109.98	4.330	N	Q	BH
LE 037DE 06										44.45	1.750	0.245	1.40	134.37	5.290	N	Q	BH
LE 037DE 07										50.80	2.000	0.193	1.10	165.10	6.500	N	Q	BH
LE 037DE 08										57.15	2.250	0.170	0.97	186.69	7.350	Р	R	BJ
LE 037DE 09										63.50	2.500	0.149	0.85	211.33	8.320	Р	R	BJ
LE 037DE 10										69.85	2.750	0.131	0.75	237.49	9.350	Р	R	BJ
									1	76.20	3.000	0.116	0.66	266.70	10.500	Q	S	BK

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



Loops at Random Position, except for † springs

LEE	007	rside .		IINAL	MAXI	IMUM	INIT	TAL	LOOP	NOM		SPR	RING	MAXI			PRICE GROU	IP
STOCK Number		METER		IRE Ieter		AD	TENS		POSITION	LEN	EE GTH	RA		EXTE LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 046DE 01	11.13	0.438	1.17	0.046	44.48	10.00	4.45	1.00	RANDOM	25.40	1.000	3.275	18.70	37.59	1.480	N	R	BJ
LE 046DE 02										28.58	1.125	2.312	13.20	45.85	1.805	P P	S	BK
LE 046DE 03 LE 046DE 04										31.75 34.93	1.250 1.375	1.708 1.401	9.75 8.00	55.12 63.63	2.170 2.505	P	S S	BK BK
LE 046DE 05										38.10	1.500	1.191	6.80	71.63	2.820	Q	T	BL
LE 046DE 06										44.45	1.750	0.893	5.10	89.15	3.510	Q	T	BL
LE 046DE 07										50.80	2.000	0.718	4.10	106.68	4.200	Q	T	BL
LE 046DE 08										57.15	2.250	0.595	3.40	124.46	4.900	R	U	BM
LE 046DE 09										63.50	2.500	0.508	2.90	142.24	5.600	R	U	BM
LE 046DE 10 LE 046DE 11										69.85 76.20	2.750 3.000	0.447 0.394	2.55 2.25	159.51 177.80	6.280 7.000	R S	U V	BM BN
LE 055DE 01			1.37	0.054	62.28	14.00	6.67	1.50	RANDOM	25.40	1.000	5.079	29.00	36.32	1.430	N	R	BJ
LE 055DE 02										28.58	1.125	3.940	22.50	43.18	1.700	Р	S	BK
LE 055DE 03										31.75	1.250	3.328	19.00	49.78	1.960	Р	S	BK
LE 055DE 04										34.93	1.375	2.802	16.00	56.26	2.215	Р	S	BK
LE 055DE 05										38.10	1.500	2.452	14.00	62.48	2.460	Q	T	BL
LE 055DE 06										44.45	1.750	1.926	11.00	75.69	2.980	Q	T	BL
LE 055DE 07 LE 055DE 08										50.80 57.15	2.000 2.250	1.629 1.401	9.30 8.00	87.63 100.08	3.450 3.940	Q R	T U	BL BM
LE 055DE 00										63.50	2.500	1.191	6.80	114.05	4.490	R	U	BM
LE 055DE 10										69.85	2.750	1.051	6.00	127.00	5.000	R	U	BM
LE 055DE 11										76.20	3.000	0.946	5.40	139.70	5.500	S	V	BN
LEM110DF 01†	12.00	0.472	1.10	0.043	35.80	8.05	5.26	1.18	INLINE	27.80	1.094	1.150	6.57	54.20	2.134	М	Q	SPECIAL
LEM110DF 02†										34.40	1.354	0.720	4.11	76.71	3.020	М	Q	SPECIAL
LEM110DF 03†										44.30	1.744	0.460	2.63	110.39	4.346	N P	R S	SPECIAL
LEM110DF 04† LEM110DF 05†										60.80 82.80	2.394 3.260	0.280 0.200	1.60 1.14	166.80 241.81	6.567 9.520	Q	T	SPECIAL SPECIAL
LEM180DF 01†			1.80	0.071	141.00	31.70	21.43	4.82	INLINE	33.20	1.307	10.100	57.67	45.11	1.776	P	S	SPECIAL
LEM180DF 02†										44.00	1.732	6.280	35.86	62.99	2.480	Q	T	SPECIAL
LEM180DF 03†										60.20	2.370	4.020	22.95	89.89	3.539	R	U	SPECIAL
LEM180DF 04†										87.20	3.433	2.520	14.39	134.80	5.307	S	V	SPECIAL
LEM180DF 05†	40.50	0.400	4.00	0.047	00.00	0.00	0.04	0.00	DANIDOM	290.00	11.417	0.680	3.88	465.00	18.307	BE	BF	SPECIAL
LEM120E 01 LEM120E 02	12.50	0.492	1.20	0.047	39.20	8.82	3.91	0.88	RANDOM	30.00 40.00	1.181 1.575	2.074 0.958	11.84 5.47	47.02 76.84	1.851 3.025	M N	Q R	SPECIAL SPECIAL
LEM120E 02										50.00	1.969	0.623	3.56	106.65	4.199	N	R	SPECIAL
LEM120E 04										55.00	2.165	0.531	3.03	121.54	4.785	P	S	SPECIAL
LEM120E 05										60.00	2.362	0.462	2.64	136.45	5.372	Р	S	SPECIAL
LEM120E 06										65.00	2.559	0.410	2.34	151.10	5.949	Р	S	SPECIAL
LEM120E 07										70.00	2.756	0.366	2.09	166.52	6.556	Q	T	SPECIAL
LEM120E 08										80.00	3.150 3.543	0.305	1.74	195.83	7.710	Q	T	SPECIAL
LEM120E 09 LEM120E 10										90.00 100.00	3.937	0.259 0.228	1.48 1.30	226.14 255.19	8.903 10.047	Q R	T U	SPECIAL SPECIAL
LEM160E 01			1.60	0.063	88.25	19.84	11.79	2.65	RANDOM	30.00	1.181	8.543	48.78	38.89	1.531	Р	S	SPECIAL
LEM160E 02										35.00	1.378	5.657	32.30	48.46	1.908	Р	S	SPECIAL
LEM160E 03										40.00	1.575	4.228	24.14	58.04	2.285	Q	T	SPECIAL
LEM160E 04										45.00	1.772	3.377	19.28	67.61	2.662	Q	T	SPECIAL
LEM160E 05										50.00	1.969	2.809	16.04	77.19	3.039	Q	T	SPECIAL
LEM160E 06 LEM160E 07										55.00 60.00	2.165 2.362	2.406 2.103	13.74 12.01	86.74 96.32	3.415 3.792	R R	U	SPECIAL SPECIAL
LEM160E 07										65.00	2.559	1.869	10.67	105.89	3.792 4.169	R	U	SPECIAL
LEM160E 09										70.00	2.756	1.681	9.60	115.47	4.546	S	V	SPECIAL
LEM160E 10										80.00	3.150	1.399	7.99	134.62	5.300	S	V	SPECIAL
LEM160E 11										90.00	3.543	1.200	6.85	153.75	6.053	S	V	SPECIAL
LEM160E 12										100.00	3.937	1.049	5.99	172.90	6.807	T	W	SPECIAL
LEM160E 13	40.70	0.500	0.00	0.004	40.04	0.00	4.00	0.00	DANIBOLI	115.00	4.528	0.883	5.04	201.63	7.938	U	X	SPECIAL
LE 034E 01 LE 034E 02	12.70	0.500	0.86	0.034	16.01	3.60	1.33	0.30	RANDOM	31.75 34.93	1.250 1.375	0.331 0.249	1.89 1.42	76.20 93.85	3.000 3.695	M	P P	BH
LE 034E 02 LE 034E 03										34.93 38.10	1.500	0.249	1.42	114.30	4.500	M N	Q	BH BJ
LE 034E 03										44.45	1.750	0.138	0.79	150.62	5.930	N	Q	BJ
LE 034E 05										50.80	2.000	0.107	0.61	188.21	7.410	P	R	BK
LE 034E 06										57.15	2.250	0.088	0.50	224.79	8.850	Р	R	BK

 $^{^\}dagger$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	OUT	SIDE	NOM		MAXI	MUM	INIT	TAL	LOOP		INAL	SPR	RING	MAXI		ı	PRICE GROU	Р
STOCK Number		METER		RE ETER	LO		TENS		POSITION		EE GTH		TE	EXTE LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 037E 01	12.70	0.500	0.94	0.037	19.13	4.30	1.78	0.40	RANDOM	31.75	1.250	0.525	3.00	64.77	2.550	М	Р	BH
LE 037E 02										34.93	1.375	0.385	2.20	79.88	3.145	М	Р	BH
LE 037E 03										38.10	1.500	0.298	1.70	96.27	3.790	N	Q	BJ
LE 037E 04										44.45	1.750	0.210	1.20	127.00	5.000	N	Q	BJ
LE 037E 05										50.80	2.000	0.158	0.90	160.78	6.330	P	R	BK
LE 037E 06										57.15	2.250	0.135	0.77	185.67	7.310	P	R	BK
LE 037E 07										63.50	2.500	0.123	0.70	205.03	8.072	Р	S	BL
LE 037E 08										69.85	2.750	0.105	0.60	234.90	9.248	Q	T	BM
LE 037E 09										76.20	3.000	0.088	0.50	274.14	10.793	Q	T	BM
LE 037E 10										88.90	3.500	0.070	0.40	335.94	13.226	Q	T	BM
LE 037E 11										101.60	4.000	0.053	0.30	431.70	16.996	R	U	BN
LE 037E 12										114.30	4.500	0.051	0.29	457.10	17.996	R	-	BN BP
LE 037E 13 LE 041E 01			1.04	0.041	25.80	5.80	2.22	0.50	RANDOM	127.00 31.75	5.000 1.250	0.035 0.858	0.20 4.90	620.22 59.18	24.418	S M	V	BJ
LE 041E 01 LE 041E 02			1.04	0.041	23.00	5.60	2.22	0.50	KANDOW	34.93	1.375	0.648	3.70	71.25	2.805	M	Q	BJ
LE 041E 02 LE 041E 03										38.10	1.500	0.508	2.90	84.58	3.330	N	Q R	BK
LE 041E 04										44.45	1.750	0.368	2.10	108.46	4.270	N	R	BK
LE 041E 05										50.80	2.000	0.280	1.60	134.87	5.310	P	S	BL
LE 041E 06										57.15	2.250	0.228	1.30	160.78	6.330	P	S	BL
LE 041E 07										63.50	2.500	0.194	1.11	184.66	7.270	Q	T	BM
LE 041E 08										69.85	2.750	0.168	0.96	210.06	8.270	Q	T	BM
LE 041E 09										76.20	3.000	0.140	0.80	244.55	9.628	Q	T	BM
LE 041E 10	1									88.90	3.500	0.123	0.70	281.20	11.071	Q	T	BM
LE 041E 11										101.60	4.000	0.105	0.60	325.91	12.831	R	Ü	BN
LE 041E 12	•									114.30	4.500	0.088	0.50	383.29	15.090	R	U	BN
LE 041E 13										127.00	5.000	0.070	0.40	462.74	18.218	S	V	BP
LE 045E 00	1		1.14	0.045	33.36	7.50	3.11	0.70	RANDOM	25.40	1.000	3.818	21.80	33.27	1.310	М	Q	BJ
LE 045E 0										31.75	1.250	1.349	7.70	54.10	2.130	М	Q	BJ
LE 045E 01										34.93	1.375	0.998	5.70	65.15	2.565	М	Q	BJ
LE 045E 02	1									38.10	1.500	0.823	4.70	74.93	2.950	N	R	BK
LE 045E 03										44.45	1.750	0.595	3.40	95.25	3.750	N	R	BK
LE 045E 04										50.80	2.000	0.455	2.60	117.35	4.620	Р	S	BL
LE 045E 05										57.15	2.250	0.368	2.10	139.45	5.490	Р	S	BL
LE 045E 06										63.50	2.500	0.315	1.80	159.51	6.280	Р	S	BL
LE 045E 07										69.85	2.750	0.271	1.55	181.36	7.140	Q	T	BM
LE 045E 08										76.20	3.000	0.240	1.37	202.18	7.960	Q	T	BM
LE 045E 09										88.90	3.500	0.193	1.10	245.85	9.679	Q	T	BM
LE 045E 10										101.60	4.000	0.158	0.90	293.50	11.555	R	U	BN
LE 045E 11										114.30	4.500	0.140	0.80	330.20	13.000	R	U	BN
LE 045E 12				2.212		12.22	221			127.00	5.000	0.123	0.70	373.71	14.713	S	V	BP
LE 049E 01			1.24	0.049	44.48	10.00	3.91	0.88	RANDOM	31.75	1.250	2.067	11.80	51.31	2.020	M	Q	BJ
LE 049E 1A										34.93	1.375	1.550	8.85	61.11	2.406	N	R	BK
LE 049E 02										38.10	1.500	1.271	7.26	70.10	2.760	N	R	BK
LE 049E 03										44.45 50.80	1.750	0.918	5.24	88.65 108.71	3.490	N P	R S	BK BI
LE 049E 04										50.80 57.15	2.000	0.701	4.00	108.71	4.280	P P	S	BL
LE 049E 05 LE 049E 06	-									57.15 63.50	2.250 2.500	0.578 0.490	3.30 2.80	127.25 146.30	5.010 5.760	P	S	BL BL
LE 049E 06 LE 049E 07										69.85	2.750	0.490	2.40	166.37	6.550	Q	T	BM
LE 049E 07 LE 049E 08										76.20	3.000	0.420	2.40	184.40	7.260	Q	' T	BM
LE 049E 09	-									88.90	3.500	0.375	1.75	221.23	8.710	Q	T	BM
LE 049E 10										101.60	4.000	0.300	1.47	259.08	10.200	R	Ü	BN
LE 049E 11	-									114.30	4.500	0.237	1.47	296.70	11.681	S	V	BP
LE 049E 12										127.00	5.000	0.194	1.11	335.69	13.216	T	W	BQ
LE 055E 0			1.40	0.055	58.72	13.20	5.78	1.30	RANDOM	31.75	1.250	3.615	20.64	46.48	1.830	P	S	BL
LE 055E 01				3.000	30.72	.0.20	50	1.00		34.93	1.375	2.732	15.60	54.23	2.135	P	S	BL
LE 055E 02										38.10	1.500	2.732	13.00	61.47	2.420	Q	T	BM
LE 055E 03	1									44.45	1.750	1.646	9.40	76.71	3.020	Q	T	BM
LE 055E 04										50.80	2.000	1.296	7.40	91.69	3.610	Q	T	BM
LE 055E 05										57.15	2.250	1.068	6.10	106.68	4.200	R	Ü	BN
										J .							-	

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



Loops at Random Position, except for † springs

LEE STOCK		TSIDE METER		RE		MUM AD	INIT		LOOP POSITION	FR	IINAL REE		ING TE	MAXI	NDED	Music	PRICE GROU	P 316
NUMBER			DIAM						1 03111014		GTH			LEN		Wire	Stainless	Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 055E 06	12.70	0.500	1.40	0.055	58.72	13.20	5.78	1.30	RANDOM	63.50	2.500	0.911	5.20	121.67	4.790	R	U	BN
LE 055E 07										69.85	2.750	0.788	4.50	136.91	5.390	R	U	BN
LE 055E 08										76.20	3.000	0.683	3.90	153.67	6.050	S	V	BP
LE 055E 09										88.90	3.500	0.560	3.20	183.39	7.220	S	V	BP
LE 055E 10										101.60	4.000	0.473	2.70	213.61	8.410	T	W	BQ
LE 055E 11										114.30	4.500	0.403	2.30	245.62	9.670	U	X	BR
LE 055E 12			4.00	0.000	04.50	40.00	0.00	0.00	DANIDOM	127.00	5.000	0.363	2.07	273.05	10.750	U	X	BR
LE 063E 0			1.60	0.063	84.52	19.00	8.90	2.00	RANDOM	31.75	1.250	7.116	40.63	42.42	1.670	Р	S	BL
LE 063E 01										34.93	1.375	5.499	31.40	48.64	1.915	P P	S	BL
LE 063E 02 LE 063E 03										38.10 44.45	1.500 1.750	4.501 3.310	25.70 18.90	54.86 67.31	2.160 2.650	Q	S T	BL BM
LE 063E 03										50.80	2.000	2.609	14.90	79.76	3.140	Q	T T	BM
LE 063E 04										57.15	2.250	2.009	12.30	92.20	3.630	Q	T T	BM
LE 063E 05										63.50	2.500	1.874	10.70	103.89	4.090	R	U	BN
LE 063E 07										69.85	2.750	1.594	9.10	117.35	4.620	R	U	BN
LE 063E 08										76.20	3.000	1.436	8.20	128.78	5.070	S	V	BP
LE 063E 09	-									88.90	3.500	1.173	6.70	153.42	6.040	S	V	BP
LE 063E 10										101.60	4.000	0.981	5.60	178.82	7.040	T	V	BP
LE 063E 11										114.30	4.500	0.841	4.80	204.22	8.040	U	X	BR
LE 063E 12										127.00	5.000	0.753	4.30	227.33	8.950	U	X	BR
LE 067E 01	1		1.70	0.067	106.85	24.02	15.57	3.50	RANDOM	31.75	1.250	9.687	55.31	41.15	1.620	P	S	BL
LE 067E 02										38.10	1.500	6.231	35.58	52.83	2.080	Р	S	BL
LE 067E 03										44.45	1.750	4.594	26.23	64.26	2.530	Q	Т	BM
LE 067E 04	1									50.80	2.000	3.638	20.77	75.95	2.990	Q	Т	BM
LE 067E 05										57.15	2.250	3.011	17.19	87.38	3.440	R	U	BN
LE 067E 06										63.50	2.500	2.567	14.66	99.06	3.900	R	U	BN
LE 067E 07										69.85	2.750	2.238	12.78	110.74	4.360	S	V	BP
LE 067E 08										76.20	3.000	1.984	11.33	122.17	4.810	S	V	BP
LE 067E 09										88.90	3.500	1.616	9.23	145.29	5.720	Т	W	BQ
LE 067E 10										101.60	4.000	1.364	7.79	168.40	6.630	U	Х	BR
LE 067E 11										114.30	4.500	1.180	6.74	191.52	7.540	V	Y	BS
LE 067E 12										127.00	5.000	1.040	5.94	214.63	8.450	W	Z	BT
LE 069E 01			1.75	0.069	113.43	25.50	17.79	4.00	RANDOM	31.75	1.250	11.230	64.12	40.26	1.585	Q	Т	SPECIAL
LE 069E 1A										34.93	1.375	8.818	50.35	45.77	1.802	Q	Т	SPECIAL
LE 069E 02										38.10	1.500	7.259	41.45	51.28	2.019	R	U	SPECIAL
LE 069E 03										44.45	1.750	5.363	30.62	62.28	2.452	R	U	SPECIAL
LE 069E 04										50.80	2.000	4.252	24.28	73.30	2.886	S	V	SPECIAL
LE 069E 05										57.15	2.250	3.522	20.11	84.30	3.319	S	V	SPECIAL
LE 069E 06										63.50	2.500	3.007	17.17	95.30	3.752	T	W	SPECIAL
LE 069E 07										69.85	2.750	2.622	14.97	106.32	4.186	T	W	SPECIAL
LE 069E 08										76.20	3.000	2.326	13.28	117.32	4.619	U	X	SPECIAL
LE 069E 09										88.90	3.500	1.895	10.82	139.37	5.487	V	Y	SPECIAL
LE 069E 10										101.60	4.000	1.601	9.14	161.34	6.352	W	Z	SPECIAL
LE 069E 11										114.30	4.500	1.384	7.90 6.07	183.44	7.222	X	BA DA	SPECIAL
LE 069E 12 LE 075E 01			1.04	0.075	155.60	2F 00	20.04	E 00	DANDONA	127.00	5.000	1.221	6.97	205.36	8.085	Х	BA	SPECIAL
LE 075E 01 LE 075E 1A			1.91	0.075	155.69	35.00	22.24	5.00	RANDOM	31.75 34.93	1.250 1.375	17.096 13.534	97.62 77.28	39.62	1.560 1.763	R	U	SPECIAL SPECIAL
LE 075E 1A LE 075E 02										34.93 38.10	1.500	13.534	63.96	44.78 50.04	1.763 1.970	R R	U	SPECIAL
LE 075E 02 LE 075E 03	-									38.10 44.45	1.750	8.329	47.56	60.45	2.380	S	V	SPECIAL
LE 075E 03 LE 075E 04										50.80	2.000	6.629	37.85	70.87	2.790	S	V	SPECIAL
LE 075E 04 LE 075E 05										57.15	2.250	5.506	31.44	81.28	3.200	T	w	SPECIAL
LE 075E 05	-									63.50	2.500	4.694	26.80	91.95	3.620	T	W	SPECIAL
LE 075E 00										69.85	2.750	4.112	23.48	102.36	4.030	U	X	SPECIAL
LE 075E 08										76.20	3.000	3.650	20.84	112.78	4.440	U	X	SPECIAL
LE 075E 09	-									88.90	3.500	2.981	17.02	133.60	5.260	V	Y	SPECIAL
LE 075E 10										101.60	4.000	2.518	14.38	154.69	6.090	W	Z	SPECIAL
LE 075E 11										114.30	4.500	2.180	12.45	175.51	6.910	X	BA	SPECIAL
LE 075E 12										127.00	5.000	1.921	10.97	196.34	7.730	Y	BB	SPECIAL
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 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	011	TSIDE	NOM		MAXI	MUM	INIT	TAL	LOOP		INAL	SPR	RING		MUM		PRICE GROU	IP
STOCK Number		METER		RE ETER	LO		TENS		POSITION		GTH		TE		NDED GTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LEM120EB 01†	13.00	0.512	1.20	0.047	42.20	9.49	6.56	1.48	INLINE	30.20	1.189	1.280	7.31	58.09	2.287	М	Q	SPECIAL
LEM120EB 02†										37.40	1.472	0.800	4.57	82.09	3.232	N	R	SPECIAL
LEM120EB 03†										48.20	1.898	0.510	2.91	118.01	4.646	Р	S	SPECIAL
LEM120EB 04†										66.20	2.606	0.320	1.83	178.21	7.016	Р	S	SPECIAL
LEM120EB 05†	44.00	0.554	0.00	0.070	101.00	00.07	05.05	T 00		90.20	3.551	0.210	1.20	258.19	10.165	Q	T	SPECIAL
LEM200EC 01†	14.00	0.551	2.00	0.079	164.00	36.87	25.25	5.68	INLINE	38.00	1.496	9.420	53.79	52.71	2.075	R	U	SPECIAL
LEM200EC 02†										50.00 68.00	1.969 2.677	5.880	33.58	73.61 104.90	2.898 4.130	S U	V	SPECIAL SPECIAL
LEM200EC 03† LEM200EC 04†										98.00	3.858	3.770 2.350	21.53 13.42	157.00	6.181	W	Z	SPECIAL
LEM140ED 01†	15.00	0.591	1.40	0.055	57.10	12.84	8.50	1.91	INLINE	34.90	1.374	1.550	8.85	66.09	2.602	N	R	SPECIAL
LEM140ED 02†	10.00	0.001	1.10	0.000	07.10	12.01	0.00	1.01		43.30	1.705	0.970	5.54	93.29	3.673	N	R	SPECIAL
LEM140ED 03†										55.90	2.201	0.620	3.54	134.01	5.276	Р	S	SPECIAL
LEM140ED 04†										76.90	3.028	0.390	2.23	201.90	7.949	R	U	SPECIAL
LEM140ED 05†										105.00	4.134	0.260	1.48	292.00	11.496	Т	W	SPECIAL
LE 055F 00	15.88	0.625	1.40	0.055	46.71	10.50	4.45	1.00	RANDOM	38.10	1.500	1.720	9.82	62.74	2.470	N	R	BL
LE 055F 0										44.45	1.750	1.074	6.13	83.82	3.300	N	R	BL
LE 055F 01										50.80	2.000	0.788	4.50	104.39	4.110	Р	S	BM
LE 055F 02										57.15	2.250	0.613	3.50	125.98	4.960	Р	S	BM
LE 055F 03										63.50	2.500	0.508	2.90	146.81	5.780	Q	Т	BN
LE 055F 04										69.85	2.750	0.438	2.50	166.37	6.550	Q	T	BN
LE 055F 05										76.20	3.000	0.368	2.10	191.01	7.520	R	U	BP
LE 055F 06										88.90	3.500	0.298	1.70	230.89	9.090	S T	V	BQ
LE 055F 07 LE 063F 01			1.60	0.063	66.72	15.00	6.67	1.50	RANDOM	101.60 50.80	4.000 2.000	0.245 1.559	1.40 8.90	274.07 89.41	10.790 3.520	R	W	BR BP
LE 063F 02			1.00	0.003	00.72	15.00	0.07	1.50	KANDOW	57.15	2.250	1.173	6.70	108.20	4.260	R	U	BP
LE 063F 03										63.50	2.500	1.016	5.80	122.68	4.830	S	V	BQ
LE 063F 04										69.85	2.750	0.858	4.90	139.95	5.510	S	V	BQ
LE 063F 05										76.20	3.000	0.753	4.30	155.96	6.140	T	W	BR
LE 063F 06										88.90	3.500	0.595	3.40	189.74	7.470	U	Х	BS
LE 063F 07										101.60	4.000	0.508	2.90	219.96	8.660	V	Y	BT
LE 063F 08										114.30	4.500	0.420	2.40	257.30	10.130	W	Z	BU
LE 063F 09										127.00	5.000	0.373	2.13	288.04	11.340	Х	BA	BV
LE 069F 01			1.75	0.069	84.52	19.00	8.90	2.00	RANDOM	50.80	2.000	2.469	14.10	81.53	3.210	R	U	SPECIAL
LE 069F 02										57.15	2.250	1.979	11.30	95.25	3.750	R	U	SPECIAL
LE 069F 03										63.50	2.500	1.646	9.40	109.47	4.310	S	V	SPECIAL
LE 069F 04										69.85	2.750	1.419	8.10	123.19	4.850	S	V	SPECIAL
LE 069F 05 LE 069F 06										76.20 88.90	3.000 3.500	1.243 0.981	7.10 5.60	136.91 166.12	5.390 6.540	T U	W	SPECIAL SPECIAL
LE 069F 06 LE 069F 07										101.60	4.000	0.806	4.60	195.58	7.700	V	X	SPECIAL
LE 069F 08										114.30	4.500	0.701	4.00	222.25	8.750	w	Z	SPECIAL
LE 069F 09										127.00	5.000	0.608	3.47	251.46	9.900	X	BA	SPECIAL
LE 055FG 00	16.51	0.650	1.40	0.055	44.48	10.00	4.45	1.00	RANDOM	38.10	1.500	1.720	9.82	61.37	2.416	R	S	BM
LE 055FG 0										44.45	1.750	1.021	5.83	83.67	3.294	R	S	BM
LE 055FG 01										50.80	2.000	0.725	4.14	106.02	4.174	S	Т	BN
LE 055FG 02										57.15	2.250	0.562	3.21	128.37	5.054	S	Т	BN
LE 055FG 03										63.50	2.500	0.461	2.63	150.42	5.922	Т	U	BP
LE 055FG 04										69.85	2.750	0.389	2.22	172.82	6.804	Т	U	BP
LE 055FG 05										76.20	3.000	0.336	1.92	195.28	7.688	U	V	BQ
LE 055FG 06										88.90	3.500	0.266	1.52	239.29	9.421	V	W	BR
LE 055FG 07			4.50	0.000	04.50	11.50	0.07	4.50	DANIBORA	101.60	4.000	0.219	1.25	284.48	11.200	W	X	BS
LE 063FG 00			1.59	0.063	64.50	14.50	6.67	1.50	RANDOM	38.10	1.500	3.189	18.21	56.24	2.214	S	T	BN
LE 063FG 0 LE 063FG 01										44.45 50.80	1.750 2.000	1.939 1.392	11.07 7.95	74.27 92.33	2.924 3.635	S S	T	BN BN
LE 063FG 01										57.15	2.000	1.086	6.20	110.41	4.347	S T	U	BP
LE 063FG 02 LE 063FG 03										63.50	2.500	0.890	5.08	128.50	5.059	' T	U	BP
LE 063FG 04										69.85	2.750	0.090	4.31	146.46	5.766	T T	U	BP
LE 063FG 05										76.20	3.000	0.655	3.74	164.49	6.476	U	V	BQ
LE 063FG 06										88.90	3.500	0.517	2.95	200.84	7.907	V	w	BR
LE 063FG 07										101.60	4.000	0.427	2.44	236.93	9.328	W	X	BS
LE 063FG 08										114.30	4.500	0.364	2.08	273.05	10.750	Х	Y	BT
LE 063FG 09										127.00	5.000	0.317	1.81	309.42	12.182	Υ	Z	BU

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



Loops at Random Position, except for † springs

May	LEE STOCK		TSIDE		RE	MAXI		INIT		LOOP POSITION	FR	IINAL REE		RING	EXTE	MUM NDED	Music	PRICE GROU	JP 316
Decomposition Decompositio	NUMBER	DIAI		DIAM	ETER			I EIV		PUSITION	LEN	GTH			LEN	GTH		Stainless	Stainless
Lebose																			
Marche M		16.51	0.650	1./5	0.069	82.29	18.50	8.90	2.00	RANDOM	-			-					00
March Marc													ı		l		l .		
Bername																		-	
															l			_	
Decompt of the compt of the c	LE 069FG 05												ı		l		U	V	SPECIAL
LEORISTIC LEOR	LE 069FG 06										88.90	3.500	0.870	4.97	173.23	6.820	V	W	SPECIAL
LEORING 1,00	LE 069FG 07										101.60	4.000	0.721	4.12	203.45	8.010	W	Х	SPECIAL
EMMISPICATION 1700 0.866	LE 069FG 08										114.30	4.500	0.615	3.51	233.68	9.200	Х	Y	SPECIAL
EMMISPICE DOT ELEMISPICE DOT ELEMI																			
LEMINGPORT ONT LEMI	· ·	17.00	0.669	1.60	0.063	74.00	16.64	11.62	2.61	INLINE									
LEMMONG OI	· ·														l			-	
Image	<u> </u>																		
LEMMS00 1900																			00
EMMISSION Color		19.00	0.748	160	0.063	56 90	12 79	5.38	1 21	RANDOM									
LEMIGNG 01 LEMIGNG 02 LEMIGNG 06 LEMIGNG 06 LEMIGNG 06 LEMIGNG 06 LEMIGNG 07 LEMIGNG 08 LEMIGNG 07 LEMIGNG 07 LEMIGNG 07 LEMIGNG 07 LEMIGNG 08 LEMIGNG 07 LEM		10.00	0.7 10	1.00	0.000	00.00	12.70	0.00		TURBOW			ı						
Image													ı		l			W	
LEMISOG 06												2.559	0.648	3.70		5.689		W	SPECIAL
LEMISGO GO LEM	LEM160G 05										70.00	2.756	0.559	3.19	162.20	6.386	S	W	SPECIAL
LEM160G 08	LEM160G 06										80.00	3.150	0.440	2.51	197.10	7.760	Т	Y	SPECIAL
LEM160G101 LEM	LEM160G 07										90.00	3.543	0.363	2.07	231.98	9.133	Т	Y	SPECIAL
LEM160G 10 LEM160G 11 LEM160G 12 LEM160G 12 LEM160G 12 LEM160G 12 LEM160G 12 LEM160G 13 LEM160G 12 LEM160G 13 LEM160G 12 LEM160G 13 LEM	LEM160G 08										100.00	3.937	0.308	1.76	267.13	10.517	U	Z	SPECIAL
LE 049G 01 19.05	LEM160G 09																-		
LE 049G 07 LE 049G 08 LE															l			_	
LE 049G 02 LE 049G 03		40.05	0.750	4.04	0.040	20.00	0.00	0.00	0.50	DANIBOLA			_		_				
LE 049G 03 LE 049G 06 LE 049G 06 LE 049G 06 LE 049G 06 LE 049G 07 LE 049G 08 LE		19.05	0.750	1.24	0.049	29.36	6.60	2.62	0.59	RANDOM									
LE 049G 04 LE 049G 05 LE 049G 06 LE 049G 06 LE 049G 06 LE 049G 07 LE 049G 06 LE 049G 07 LE 055G 01 LE 049G 07 LE 055G 01 LE 055G 02 LE 055G 03 LE 055G 03 LE 055G 03 LE 055G 03 LE 055G 04 LE 055G 05 LE 055G 06 LE													ı		l				
LE 049G 05 LE 049G 06 LE 049G 07 LE 049G														-				-	
LE 049G 06 LE 049G 07													ı		l				
LE 049G 07 LE 055G 01 LE 055G 02 LE 055G 02 LE 055G 03 RANDOM 50.80 2.000 0.595 3.40 110.49 4.350 R V BQ LE 055G 03 LE 055G 03 LE 055G 04 LE 055G 05 LE 055G 06 LE 055G 07 LE 055G 06 LE 055G 07 LE 05G 07																			-
LE 055G 02 LE 055G 03 LE 055G 04 LE 055G 05 LE 055G 05 LE 055G 05 LE 055G 06 LE 055G 06 LE 055G 07 LE 055G 07 LE 055G 07 LE 055G 08 LE 055G 06 LE 055G 07 LE 055G 07 LE 055G 08 LE 055G 06 LE 055G 07 LE 055G 06 LE 055G 07 LE 055G 06 LE 055G 06 LE 055G 06 LE 055G 06 LE 055G 07 LE 055G 07 LE 055G 07 LE 055G 08 LE 055G 07													ı		l				
LE 055G 04 LE 055G 05 LE 053G 07 LE 053G 03 LE 055G 05	LE 055G 01			1.40	0.055	39.14	8.80	3.56	0.80	RANDOM	50.80	2.000	0.595	3.40	110.49	4.350	R	V	BQ
LE 055G 04 LE 055G 05 LE 055G 05 LE 055G 06 LE 055G 07 LE 063G 02 LE 063G 02 LE 063G 03 LE 055G 08	LE 055G 02										57.15	2.250	0.438	2.50	138.43	5.450	R	V	BQ
LE 055G 05 LE 055G 06 LE 056G 07 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 04 LE 063G 06 LE 063G 06 LE 063G 07 LE 063G 06 LE 063G 07 LE 063G 07 LE 063G 07 LE 063G 07 LE 063G 08 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 08 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 08 LE 063G 08 LE 063G 08 LE 063G 07 LE 063G 08	1										63.50		0.350		165.10		R	V	BQ
LE 063G 01 LE 063G 03 LE 063G 04 LE 063G 06 LE 063G 07 LE 063G 07 LE 063G 09	LE 055G 04											2.750	0.280	1.60	196.85	7.750	S	Х	BS
LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 03 LE 063G 04 LE 063G 06 LE 063G 06 LE 063G 07 LE 063G 09 LE 063G 00 LE 063G 09													ı	-	I				
LE 063G 02 LE 063G 03 LE 063G 04 LE 063G 06 LE 063G 07 LE 069G 03 LE 069G 03 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 08 LE 069G 08 LE 069G 08 LE 069G 08 LE 069G 09							12.22								_				-
LE 063G 03 LE 063G 04 LE 063G 05 LE 063G 06 LE 063G 07 LE 063G 09 LE 063G 01 LE 063G 01 LE 063G 09 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 03 LE 063G 03 LE 063G 03 LE 063G 04 LE 063G 03 LE 063G 04 LE 063G 04 LE 063G 04 LE 063G 04 LE 063G 05 LE 063				1.60	0.063	56.94	12.80	5.34	1.20	RANDOM			ı		l				
LE 063G 04 LE 063G 05 LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 03													ı		l				
LE 063G 05 LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 03 LE 063G 06 LE 063G 05 LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 08 LE 063G 01 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 01 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 04 LE 063G 05 LE 063G 06 LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 08 LE 063G 09 LE 063G 09 LE 063G 00																			
LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 03 LE 063G 06 LE 063G 06 LE 063G 06 LE 063G 07 LE 063G 08 LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 063G 01 LE 063G 01 LE 063G 02 LE 063G 03 LE 063G 03 LE 063G 03 LE 063G 03 LE 063G 04 LE 063G 04 LE 063G 04 LE 063G 06 LE 063G 06 LE 063G 07 LE 063G 08													ı		l				
LE 063G 07 LE 063G 08 LE 063G 09 LE 063G 01 LE 069G 01 LE 069G 02 LE 069G 03 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 08 LE 069G 09													ı		I				
LE 063G 08 LE 063G 09 LE 063G 10 LE 063G 10 LE 069G 01 LE 069G 02 LE 069G 03 LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 09																			
LE 063G 09 LE 069G 01 LE 069G 02 LE 069G 03 LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 07 LE 069G 09													ı		l		1		
LE 069G 01 LE 069G 02 LE 069G 03 LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 07 LE 069G 09 The provided Heaville of the provid																	W		
LE 069G 02 LE 069G 03 LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 08 LE 069G 09 LE 069G 09	LE 063G 10										139.70	5.500	0.193	1.10	407.67	16.050	Х	BD	BY
LE 069G 03 LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 07 LE 069G 08 LE 069G 09 LE 069G 08 LE 069G 09 LE 069G 08 LE 069G 09	LE 069G 01			1.75	0.069	73.40	16.50	7.12	1.60	RANDOM	50.80	2.000	1.795	10.25	87.63	3.450	S	W	SPECIAL
LE 069G 04 LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 08 LE 069G 08 LE 069G 09 69.85	LE 069G 02										57.15	2.250	1.349	7.70	106.43	4.190	S	W	SPECIAL
LE 069G 05 LE 069G 06 LE 069G 07 LE 069G 08 LE 069G 09 76.20 3.000 0.755 4.31 164.08 6.460 U Z SPECIAL 88.90 3.500 0.590 3.37 201.17 7.920 U Z SPECIAL 101.60 4.000 0.478 2.73 240.28 9.460 V BA SPECIAL 114.30 4.500 0.406 2.32 277.37 10.920 W BB SPECIAL 127.00 5.000 0.350 2.00 316.23 12.450 X BC SPECIAL																			
LE 069G 06 LE 069G 07 LE 069G 08 LE 069G 09 88.90 3.500 0.590 3.37 201.17 7.920 U Z SPECIAL													ı		l				
LE 069G 07 LE 069G 08 LE 069G 09 101.60															l		1		
LE 069G 08 LE 069G 09 114.30																	_		
LE 069G 09 127.00 5.000 0.350 2.00 316.23 12.450 X BC SPECIAL													ı		l				
105.10 0.000 0.010 1.11 00.01 10.020 1 BD SPECIAL													ı		l				
	LL 003G 10										100.10	3.300	0.310	1.77	555.51	13.320	'	טט	OF LUIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	0117	SIDE	NOM		MAX	IMUM	INIT	ΓIAL	LOOP	NOM		SPR	RING	MAXI			PRICE GROU	Р
STOCK Number		METER		RE Eter		AD		SION	POSITION		EE GTH		ITE	EXTE LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	М	S	S316
LE 075G 01	19.05	0.750	1.91	0.075	92.08	20.70	8.90	2.00	RANDOM	50.80	2.000	2.837	16.20	80.01	3.150	S	W	SPECIAL
LE 075G 02										57.15	2.250	2.067	11.80	97.28	3.830	S	W	SPECIAL
LE 075G 03										63.50	2.500	1.629	9.30	114.55	4.510	Т	X	SPECIAL
LE 075G 04										69.85	2.750	1.384	7.90	130.05	5.120	Т	X	SPECIAL
LE 075G 05										76.20	3.000	1.173	6.70	147.07	5.790	U	Z	SPECIAL
LE 075G 06										88.90	3.500	0.911	5.20	180.34	7.100	V	BA	SPECIAL
LE 075G 07										101.60	4.000	0.753	4.30	212.09	8.350	W	BB	SPECIAL
LE 075G 08										114.30	4.500	0.630	3.60	246.13	9.690	X	BC	SPECIAL
LE 075G 09										127.00	5.000	0.543	3.10	280.16	11.030	Y	BD	SPECIAL
LE 075G 10										139.70	5.500	0.478	2.73	313.69	12.350	Z	BE	SPECIAL
LE 075G 11 LE 085G 01			2.16	0.085	140.12	24.50	12.46	2.00	DANDOM	152.40	6.000 2.000	0.429	2.45	346.20 74.17	13.630	BA T	BF	SPECIAL
			2.16	0.065	140.12	31.50	12.40	2.80	RANDOM	50.80 57.15	2.000	5.492	31.36			T T	X	SPECIAL
LE 085G 02 LE 085G 03										57.15 63.50	2.500	4.060 3.219	23.18 18.38	88.65 103.12	3.490 4.060	U	X Z	SPECIAL SPECIAL
LE 085G 04	-									69.85	2.750	2.594	14.81	119.13	4.690	U	Z	SPECIAL
LE 085G 05										76.20	3.000	2.277	13.00	132.33	5.210	V	BA	SPECIAL
LE 085G 06										88.90	3.500	1.751	10.00	161.80	6.370	w	BB	SPECIAL
LE 085G 07	1									101.60	4.000	1.436	8.20	190.50	7.500	Х	BC	SPECIAL
LE 085G 08										114.30	4.500	1.212	6.92	219.71	8.650	Υ	BD	SPECIAL
LE 085G 09										127.00	5.000	1.061	6.06	247.40	9.740	Z	BE	SPECIAL
LE 093G 01	1		2.36	0.093	177.93	40.00	15.57	3.50	RANDOM	50.80	2.000	7.969	45.50	71.12	2.800	Т	Х	SPECIAL
LE 093G 02										57.15	2.250	6.165	35.20	83.57	3.290	Т	X	SPECIAL
LE 093G 03										63.50	2.500	4.834	27.60	97.03	3.820	U	Z	SPECIAL
LE 093G 04										69.85	2.750	4.116	23.50	109.22	4.300	U	Z	SPECIAL
LE 093G 05										76.20	3.000	3.573	20.40	121.67	4.790	V	BA	SPECIAL
LE 093G 06										88.90	3.500	2.767	15.80	147.57	5.810	W	BB	SPECIAL
LE 093G 07										101.60	4.000	2.259	12.90	173.48	6.830	Х	BC	SPECIAL
LE 093G 08										114.30	4.500	1.909	10.90	199.39	7.850	Y	BD	SPECIAL
LE 093G 09										127.00	5.000	1.681	9.60	223.52	8.800	Z	BE	SPECIAL
LE 093G 10										139.70	5.500	1.506	8.60	247.50	9.744	BA	BF	SPECIAL
LE 093G 11			0.67	0.405	240.40	EC 00	20.00	6.00	DANDOM	152.40	6.000	1.349	7.70	272.80	10.740	BB	BG	SPECIAL
LE 105G 01 LE 105G 02			2.67	0.105	249.19	56.02	26.69	6.00	RANDOM	50.80 57.15	2.000 2.250	14.711 11.279	84.00 64.40	66.04 76.96	2.600 3.030	V V	BB BB	SPECIAL SPECIAL
LE 105G 02 LE 105G 03										63.50	2.500	9.121	52.08	87.88	3.460	w	BC	SPECIAL
LE 105G 05	-									69.85	2.750	7.650	43.68	99.06	3.900	W	BD	SPECIAL
LE 105G 05										76.20	3.000	6.571	37.52	109.98	4.330	X	BE	SPECIAL
LE 105G 06										88.90	3.500	5.198	29.68	131.83	5.190	Y	BF	SPECIAL
LE 105G 07	1									101.60	4.000	4.217	24.08	154.43	6.080	Z	BG	SPECIAL
LE 105G 08										114.30	4.500	3.629	20.72	175.51	6.910	BA	ВН	SPECIAL
LE 105G 09										127.00	5.000	3.138	17.92	197.87	7.790	BB	BJ	SPECIAL
LE 112G 01	1		2.84	0.112	306.93	69.00	35.59	8.00	RANDOM	50.80	2.000	20.436	116.69	64.01	2.520	Х	BE	SPECIAL
LE 112G 02										57.15	2.250	15.732	89.83	74.42	2.930	Χ	BE	SPECIAL
LE 112G 03										63.50	2.500	12.788	73.02	84.84	3.340	Y	BF	SPECIAL
LE 112G 04										69.85	2.750	10.772	61.51	95.00	3.740	Y	BF	SPECIAL
LE 112G 05										76.20	3.000	9.305	53.13	105.41	4.150	Z	BG	SPECIAL
LE 112G 06										88.90	3.500	7.314	41.76	125.98	4.960	BA	BH	SPECIAL
LE 112G 07										101.60	4.000	6.025	34.40	146.56	5.770	BB	BJ	SPECIAL
LE 112G 08										114.30	4.500	5.121	29.24	167.39	6.590	BC	BK	SPECIAL
LE 112G 09										127.00	5.000	4.454	25.43	187.96	7.400	BD	BL	SPECIAL
LE 112G 10										139.70	5.500	3.940	22.50	208.56	8.211	BF	BN	SPECIAL
LE 112G 11 LE 125G 01	-		3.18	0.125	387.00	87.00	84.52	19.00	RANDOM	152.40 50.80	6.000 2.000	3.532 35.965	20.17	229.21 59.21	9.024	BG BF	BP BH	SPECIAL SPECIAL
LE 125G 01 LE 125G 02			J. 10	0.120	307.00	07.00	04.02	19.00	IVAINDUNI	57.15	2.000	27.972	159.72	67.97	2.331	BF	BH	SPECIAL
LE 125G 02 LE 125G 03										63.50	2.500	22.886	130.68	76.71	3.020	BG	ВJ	SPECIAL
LE 125G 03										69.85	2.750	19.366	110.58	85.47	3.365	BG	BJ	SPECIAL
LE 125G 04 LE 125G 05										76.20	3.000	16.783	95.83	94.23	3.710	BG	BJ	SPECIAL
LE 125G 05										88.90	3.500	13.251	75.66	111.73	4.399	BJ	BL	SPECIAL
LE 125G 07	1									101.60	4.000	10.946	62.50	129.24	5.088	BL	BN	SPECIAL
LE 125G 08										114.30	4.500	9.324	53.24	146.74	5.777	BM	BP	SPECIAL
LE 125G 09										127.00	5.000	8.121	46.37	164.24	6.466	BN	BQ	SPECIAL

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



Loops at Random Position, except for † springs

LEE STOCK		SIDE	NOM	INAL RE	MAXI		INIT		LOOP		IINAL REE		RING		IMUM NDED		PRICE GROU	
NUMBER	DIAN	METER	DIAM		L0	AD	TENS	SION	POSITION		GTH	RA	TE.		GTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LEM180GH 01†	20.00	0.787	1.80	0.071	87.00	19.56	13.05	2.93	INLINE	46.00	1.811	1.780	10.16	87.91	3.461	S	W	SPECIAL
LEM180GH 02†										56.80	2.236	1.110	6.34	123.80	4.874	S	W	SPECIAL
LEM180GH 03†										73.00	2.874	0.710	4.05	178.00	7.008	U	Z	SPECIAL
LEM180GH 04† LEM180GH 05†										100.00 136.00	3.937 5.354	0.440 0.290	2.51 1.66	267.00 386.99	10.512 15.236	W Z	BB BE	SPECIAL SPECIAL
LE 055H 01	21.59	0.850	1.40	0.055	34.70	7.80	3.11	0.70	RANDOM	50.80	2.000	0.290	3.20	107.19	4.220	T	Х	CE
LE 055H 02	21.00	0.000	1.40	0.000	04.70	7.00	0.11	0.70	TVWDOW	57.15	2.250	0.368	2.10	143.00	5.630	T T	X	CE
LE 055H 03										63.50	2.500	0.280	1.60	176.28	6.940	U	Z	CF
LE 055H 04										69.85	2.750	0.210	1.20	220.22	8.670	U	Z	CF
LE 063H 01			1.60	0.063	50.26	11.30	4.45	1.00	RANDOM	57.15	2.250	0.683	3.90	124.21	4.890	Т	Х	CE
LE 063H 02										63.50	2.500	0.508	2.90	153.67	6.050	Т	X	CE
LE 063H 03										69.85	2.750	0.403	2.30	183.64	7.230	U	Z	CF
LE 063H 04										76.20	3.000	0.333	1.90	213.87	8.420	W	BA	CG
LE 063H 05			1.01	0.075	04.05	10.40	7.50	1.70	DANIDOM	88.90	3.500	0.245	1.40	275.84	10.860	X	BB Y	CH
LE 075H 01 LE 075H 02			1.91	0.075	81.85	18.40	7.56	1.70	RANDOM	57.15 63.50	2.250 2.500	1.699 1.313	9.70 7.50	100.84 120.14	3.970 4.730	T T	Y	SPECIAL SPECIAL
LE 075H 02										69.85	2.750	1.051	6.00	140.46	5.530	U	Z	SPECIAL
LE 075H 04										76.20	3.000	0.876	5.00	161.04	6.340	V	BA	SPECIAL
LE 075H 05										88.90	3.500	0.666	3.80	200.41	7.890	Ŵ	BB	SPECIAL
LE 075H 06										101.60	4.000	0.525	3.00	243.08	9.570	X	BC	SPECIAL
LE 075H 07										114.30	4.500	0.438	2.50	283.97	11.180	Y	BD	SPECIAL
LE 075H 08										120.65	4.750	0.403	2.30	305.05	12.010	Z	BE	SPECIAL
LE 075H 09										127.00	5.000	0.385	2.20	319.79	12.590	BA	BF	SPECIAL
LE 085H 0			2.16	0.085	115.21	25.90	10.68	2.40	RANDOM	50.80	2.000	4.729	27.00	72.90	2.870	S	Х	SPECIAL
LE 085H 01										57.15	2.250	3.363	19.20	88.14	3.470	Т	Y	SPECIAL
LE 085H 02										63.50	2.500	2.452	14.00	106.17	4.180	Т	Y	SPECIAL
LE 085H 03										69.85	2.750	1.944	11.10	123.70	4.870	U	Z	SPECIAL
LE 085H 04										76.20	3.000	1.664	9.50	138.94	5.470	V	BA	SPECIAL
LE 085H 05										88.90	3.500	1.278	7.30	170.69	6.720	W	BB	SPECIAL
LE 085H 06										101.60	4.000	1.016	5.80	204.47	8.050	X	BC	SPECIAL
LE 085H 07										114.30	4.500	0.858	4.90	236.22	9.300	Y	BD	SPECIAL
LE 085H 08										120.65	4.750	0.788	4.50	253.24	9.970	Z	BE	SPECIAL
LE 085H 09 LE 085H 10										127.00 139.70	5.000 5.500	0.718 0.630	4.10 3.60	272.54 305.56	10.730 12.030	BA BB	BF BG	SPECIAL SPECIAL
LE 085H 11										152.40	6.000	0.569	3.25	336.04	13.230	BC	BH	SPECIAL
LEM200HB 01†	22.00	0.866	2.00	0.079	107.00	24.05	16.11	3.62	INLINE	50.80	2.000	2.030	11.59	95.50	3.760	S	Х	SPECIAL
LEM200HB 02†	22.00	0.000	2.00	0.070	107.00	21.00	10.11	0.02		62.80	2.472	1.270	7.25	134.29	5.287	T	Y	SPECIAL
LEM200HB 03†										80.80	3.181	0.810	4.63	192.81	7.591	w	BB	SPECIAL
LEM200HB 04†										111.00	4.370	0.510	2.91	289.99	11.417	Y	BD	SPECIAL
LEM200HB 05†										151.00	5.945	0.340	1.94	419.00	16.496	ВС	BH	SPECIAL
LE 063J 01	25.40	1.000	1.60	0.063	43.15	9.70	4.00	0.90	RANDOM	63.50	2.500	0.455	2.60	149.35	5.880	Y	BC	CJ
LE 063J 02										69.85	2.750	0.333	1.90	187.45	7.380	Υ	BC	CJ
LE 063J 03										76.20	3.000	0.263	1.50	225.30	8.870	Z	BD	CK
LE 063J 04										82.55	3.250	0.210	1.20	268.73	10.580	Z	BD	CK
LE 075J 01			1.91	0.075	69.84	15.70	6.23	1.40	RANDOM	63.50	2.500	1.103	6.30	121.16	4.770	Υ	BE	SPECIAL
LE 075J 02										69.85	2.750	0.806	4.60	148.84	5.860	Y	BE	SPECIAL
LE 075J 03										76.20	3.000	0.630	3.60	177.04	6.970	Z	BF	SPECIAL
LE 075J 04										88.90	3.500	0.455	2.60	228.60	9.000	Z	BF	SPECIAL
LE 075J 05 LE 075J 06										101.60	4.000 4.500	0.350	2.00	283.21 327.91	11.150 12.910	BA BB	BG BG	SPECIAL SPECIAL
LE 075J 06 LE 075J 07										114.30 127.00	5.000	0.298 0.245	1.70 1.40	386.33	15.210	BB BC	BG BJ	SPECIAL
LE 0/53 0/			2.16	0.085	99.20	22.30	8.90	2.00	RANDOM	63.50	2.500	2.016	11.51	108.31	4.264	Y	BE	SPECIAL
LE 085J 01			2.10	0.000	JJ. <u>2</u> U	22.00	0.50	2.00	A MADOINI	69.85	2.750	1.489	8.50	130.56	5.140	Ϋ́	BE	SPECIAL
LE 085J 02										76.20	3.000	1.191	6.80	152.15	5.990	Z	BF	SPECIAL
LE 085J 03										88.90	3.500	0.876	5.00	192.02	7.560	Z	BF	SPECIAL
LE 085J 04										101.60	4.000	0.683	3.90	233.93	9.210	BA	BG	SPECIAL
LE 085J 05										114.30	4.500	0.560	3.20	275.34	10.840	BB	BH	SPECIAL
LE 085J 06										127.00	5.000	0.473	2.70	318.01	12.520	ВС	BJ	SPECIAL
LE 095J 0			2.41	0.095	133.45	30.00	12.01	2.70	RANDOM	63.50	2.500	4.221	24.10	92.28	3.633	Y	BD	SPECIAL
LE 095J 01										69.85	2.750	2.627	15.00	116.08	4.570	Y	BE	SPECIAL
LE 095J 02										76.20	3.000	2.137	12.20	133.10	5.240	Z	BF	SPECIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

Marting	LEE	0117	rside .		IINAL	МДХ	IMUM	INII	ΓIAL	LOOP		INAL	SPR	RING		MUM		PRICE GROU	iP .
1898 1898	STOCK Number																		
LE 9341/16 LE		ММ	IN	ММ	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	ММ	IN	М	S	S316
LE 1654106 LE	LE 095J 03	25.40	1.000	2.41	0.095	133.45	30.00	12.01	2.70	RANDOM	88.90	3.500	1.524	8.70	168.66	6.640	Z	BF	SPECIAL
LE CESA 10 LE C	LE 095J 04										101.60	4.000	1.208	6.90	202.18	7.960	BA	BG	SPECIAL
LEONAION	LE 095J 05										114.30	4.500	0.981	5.60	238.25	9.380	BB	BH	SPECIAL
1.68 1.68	LE 095J 06										127.00	5.000	0.841	4.80	271.53	10.690	BC	BJ	SPECIAL
LE 989-17 LE 9													0.722		I				SPECIAL
LE 06541 1		_																	SPECIAL
LE 0564 T													I		I				
LE 1054 12	11111	-													_		_		
Left 1501 Left													ı		I				
LE 1051 07 LE		-		2.67	0.105	177.02	40.00	17.70	4.00	DANDOM					_		_		
LE 1950 12				2.07	0.105	177.93	40.00	17.79	4.00	KANDOW									1
LE 1051073 LE 1051073 LE 1051076 LE													I		I				
LE 1051 04 LE 1051 05 LE 1051 07 LE 1051 05 LE 1051 07 LE 1051 05 LE 1051 07 LE		-																	
LE 1051/05 LE 1051/05 LE 1051/06 LE 1051/06 LE 1051/07 LE 1															I				
E-155106 E-155107 E-155108													ı		I				
LE 1051/03 LE 1051/10 LE	LE 105J 06	1									127.00	5.000	1.354	7.73	245.36	9.660	BE	BK	SPECIAL
LE 105.01 CE 1													I		I		BF		SPECIAL
LE 105.1	LE 105J 08										152.40	6.000	1.028	5.87	308.10	12.130	BG	BM	SPECIAL
E	LE 105J 09	1									165.10	6.500	0.930	5.31	337.31	13.280	BH	BP	SPECIAL
LE 1631 LE 1	LE 105J 10										177.80	7.000	0.842	4.81	367.79	14.480	BJ	BQ	SPECIAL
E	LE 105J 11										203.20	8.000	0.736	4.20	420.90	16.571	BK	BQ	SPECIAL
LE 1151 01 LE	LE 105J 12										228.60	9.000	0.630	3.60	482.60	19.000		BR	SPECIAL
LE 115.10 2. LE 115.10 3. LE 115.10 6. LE 115				2.92	0.115	222.41	50.00	22.24	5.00	RANDOM									
LE 115J 03 LE 115J 04 LE 115J 05 LE 115J 06 LE 115J 06 LE 115J 07 LE 115J 07 LE 115J 07 LE 115J 07 LE 115J 08													ı		I				
LE 115.10 4 LE 115.10 6 LE 115		-																	
LE 115J 05 LE 115J 06 LE 115J 07 LE 115J 08 LE 115J 08 LE 115J 09 LE 115J 09 LE 115J 09 LE 115J 10													ı		ı			-	
LE 115J 06 LE 115J 07 LE 115J 08 LE 115J 09 LE 115J 10 LE 125J 01 LE 125J 01 LE 125J 02 LE 125J 03 LE 125J 04 LE 125J 05 LE 125J 05 LE 125J 06 LE 125J 07 LE 125J 07 LE 125J 08 LE 125J 08 LE 125J 08 LE 125J 09 LE 125J 10 LE 125J 09 LE 125J 10 LE													ı		I				
LE 115.10 07 LE 115.10 08 LE 115.10 08 LE 115.10 08 LE 115.10 08 LE 115.11 LE 115.10 08 LE 115.11 LE 115.10 LE 115.10 LE 115.11 LE 115.10 LE 115.1		-																	
LE 115J 08 LE 115J 08 LE 115J 09 LE 115J 09 LE 115J 01 LE 115J 10 LE 11													ı		I				
LE 115J 09 LE 115J 10 LE 115J 10 LE 115J 11 LE 115J 11 LE 115J 11 LE 115J 11 LE 115J 12 LE 115J 12 3.18															I				
LE 115J 10 LE 115J 11 LE 115J 12 LE 115J 10 LE 115J 10 LE 115J 10 LE 125J 01 LE 125J 03 LE 125J 04 LE 125J 04 LE 125J 05 LE 125J 05 LE 125J 06 LE 125J 07 LE 125J 08 LE 125J 09 LE 125J 10		-																	
LE 1751 12 LE 1251 01 LE 1251 01 LE 1250 10 LE 125													ı		I				
LE 125J 01 LE 125J 01 LE 125J 02 LE 125J 03 LE 125J 03 LE 125J 03 LE 125J 05 LE 125J 05 LE 125J 05 LE 125J 06 LE 125J 06 LE 125J 07 LE 125J 07 LE 125J 07 LE 125J 07 LE 125J 08 LE 125J 08 LE 125J 08 LE 125J 09 LE 125J 10	LE 115J 11	1									203.20	8.000	1.173	6.70	373.79	14.716	BM	BS	SPECIAL
LE 125J 01 LE 125J 02 LE 125J 03 LE 125J 04 LE 125J 05 LE 125J 06 LE 125J 06 LE 125J 07 LE 125J 07 LE 125J 07 LE 125J 07 LE 125J 08 LE 125J 08 LE 125J 08 LE 125J 09 LE 125J 00	LE 115J 12										228.60	9.000	1.016	5.80	425.68	16.759	BN	BT	SPECIAL
LE 125J 02 LE 125J 03 LE 125J 04 LE 125J 05 LE 125J 05 LE 125J 05 LE 125J 06 LE 125J 07 LE 125J 07 LE 125J 08 LE 125J 09 LE 125J 10 LE 125J 10 LE 125J 10 LE 125J 09 LE 125J 09 LE 125J 09 LE 125J 10	LE 125J 0	1		3.18	0.125	311.38	70.00	31.14	7.00	RANDOM	63.50	2.500	15.289	87.30	81.84	3.222	BB	BF	SPECIAL
LE 125J 03 LE 125J 04 LE 125J 05 LE 125J 06 LE 125J 06 LE 125J 07 LE 125J 07 LE 125J 08 LE 125J 07 LE 125J 09 LE 125J 09 LE 125J 07 LE 125J 09 LE 125J 10	LE 125J 01										69.85	2.750	10.194	58.21	97.28	3.830	BC	BJ	SPECIAL
LE 125J 04 LE 125J 05 LE 125J 06 LE 125J 07 LE 125J 08 LE 125J 08 LE 125J 09 LE 125J 10	LE 125J 02										76.20	3.000	8.340	47.62	109.73	4.320	BD	BK	SPECIAL
LE 125J 05 LE 125J 06 LE 125J 07 LE 125J 08 LE 125J 08 LE 125J 08 LE 125J 09 LE 125J 10											88.90	3.500	ı	34.92	ı	5.300	BE	BL	SPECIAL
LE 125J 06 LE 125J 07 LE 125J 08 LE 125J 09 LE 125J 10													l		1				SPECIAL
LE 125J 07 LE 125J 08 LE 125J 09 LE 125J 10		-													_		_		
LE 125J 08 LE 125J 09 LE 125J 10 LE 125J 10 LE 125J 11 LE 125J 12 LE 125J 12 LE 125J 10 LE 135J 00													ı		1				
LE 125J 09 LE 125J 10 LE 125J 11 LE 125J 12 LE 125J 12 LE 135J 03 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09													l						
LE 125J 10 LE 125J 11 LE 125J 12 LE 135J 01 LE 135J 01 LE 135J 02 LE 135J 03 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 09 LE 135J 08 LE 135J 09		-																	
LE 125J 11 LE 125J 12 LE 135J 0 LE 1															ı				
LE 135J 02 LE 135J 03 LE 135J 06 LE 135J 07 LE 135J 07 LE 135J 08 LE 135J 09 A		-													_				
LE 135J 01 LE 135J 02 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09 3.43 0.135 378.10 85.00 40.03 9.00 RANDOM A															ı				
LE 135J 01 LE 135J 02 LE 135J 03 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09 LE 135J 06 LE 135J 09 LE 135J 06 LE 135J 09 LE 135J 06 LE 135J 08 LE 135J 09 LE 135J 08 LE 135J 09 LE 135J 08		1		3.43	0.135	378.10	85.00	40.03	9.00	RANDOM					_				SPECIAL
LE 135J 02 LE 135J 03 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09 To 20 To 2							2.30		•				l		ı				SPECIAL
LE 135J 03 LE 135J 04 LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 07 LE 135J 08 LE 135J 09 88.90 3.500 9.156 52.28 125.73 4.950 BG BN SPECIAL 101.60 4.000 7.252 41.41 148.34 5.840 BH BP SPECIAL 114.30 4.500 6.004 34.28 170.69 6.720 BJ BQ SPECIAL 127.00 5.000 5.123 29.25 193.04 7.600 BK BR SPECIAL 139.70 5.500 4.466 25.50 215.39 8.480 BL BS SPECIAL 152.40 6.000 3.960 22.61 237.74 9.360 BM BT SPECIAL 165.10 6.500 3.643 20.80 257.91 10.154 BN BR SPECIAL													ı		1				SPECIAL
LE 135J 05 LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09 LE 135J 09 LE 135J 09 LE 135J 09 LE 135J 07 LE 135J 09 LE 135J 08 LE 135J 09 LE 135J 09 LE 135J 08 LE 135J 09 LE 135J 08 LE 135J 09 LE 135J 08		1													_		BG		SPECIAL
LE 135J 06 LE 135J 07 LE 135J 08 LE 135J 09											101.60	4.000	7.252	41.41	1		BH	BP	SPECIAL
LE 135J 07 LE 135J 08 LE 135J 09 LE 135J 08 LE 135	LE 135J 05										114.30	4.500	6.004	34.28	170.69	6.720	BJ	BQ	SPECIAL
LE 135J 08 LE 135J 09 152.40 6.000 3.960 22.61 237.74 9.360 BM BT SPECIAL 165.10 6.500 3.643 20.80 257.91 10.154 BN BR SPECIAL	LE 135J 06	1									127.00	5.000	5.123	29.25	193.04	7.600	BK	BR	SPECIAL
LE 135J 09 165.10 6.500 3.643 20.80 257.91 10.154 BN BR SPECIAL	LE 135J 07										139.70	5.500	4.466	25.50	215.39	8.480	BL	BS	SPECIAL
	LE 135J 08										152.40	6.000	3.960	22.61	237.74	9.360	BM	BT	SPECIAL
LE 135J 10 177.80 7.000 3.310 18.90 279.93 11.021 BP BS SPECIAL	LE 135J 09										165.10	6.500	l	20.80	ı	10.154	BN	BR	SPECIAL
	LE 135J 10										177.80	7.000	3.310	18.90	279.93	11.021	BP	BS	SPECIAL

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

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

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Loops at Random Position, except for † springs

LEE STOCK		SIDE	NOM WI	INAL RE		мим	INIT		LOOP		INAL EE		RING		MUM NDED		PRICE GROU	
NUMBER	DIAN	METER	DIAM		LU	AD	TENS	SIUN	POSITION		GTH	K/	ATE .	LEN		Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 135J 11	25.40	1.000	3.43	0.135	378.10	85.00	40.03	9.00	RANDOM	203.20	8.000	2.785	15.90	324.61	12.780	BQ	BT	SPECIAL
LE 135J 12										228.60	9.000	2.399	13.70	369.49	14.547	BR	BU	SPECIAL
LE 148J 01			3.76	0.148	498.42	112.05	43.06	9.68	RANDOM	63.50	2.500	35.517	202.80	76.20	3.000	BF	BL	SPECIAL
LE 148J 02										69.85	2.750	27.899	159.30	86.18	3.393	BG	BM	SPECIAL
LE 148J 03										76.20	3.000	21.699	123.90	97.18	3.826	BH	BN BP	SPECIAL
LE 148J 04 LE 148J 05										88.90 101.60	3.500 4.000	16.270 12.592	92.90 71.90	116.89 137.77	4.602 5.424	BJ BK	BQ	SPECIAL SPECIAL
LE 148J 06										114.30	4.500	10.280	58.70	158.60	6.244	BL	BR	SPECIAL
LE 148J 07										127.00	5.000	8.687	49.60	179.43	7.064	BM	BS	SPECIAL
LE 148J 08										139.70	5.500	7.653	43.70	199.21	7.843	BN	BT	SPECIAL
LE 148J 09										152.40	6.000	6.743	38.50	219.94	8.659	BP	BU	SPECIAL
LE 148J 10										165.10	6.500	6.007	34.30	240.92	9.485	BQ	BV	SPECIAL
LE 148J 11										177.80	7.000	5.429	31.00	261.67	10.302	BR	BW	SPECIAL
LE 148J 12										203.20	8.000	4.588	26.20	302.44	11.907	BS	BX	SPECIAL
LE 148J 13										228.60	9.000	3.940	22.50	344.17	13.550	BT	BY	SPECIAL
LE 085JK 01	28.58	1.125	2.16	0.085	93.41	21.00	8.41	1.89	RANDOM	76.20	3.000	1.226	7.00	145.54	5.730	BA	BF	SPECIAL
LE 085JK 02										88.90	3.500	0.753	4.30	201.68	7.940	BB	BG	SPECIAL
LE 085JK 03										101.60	4.000	0.543	3.10	258.06	10.160	BC	BH	SPECIAL
LE 085JK 04										114.30	4.500	0.438	2.50	308.36	12.140	BD	BJ	SPECIAL
LE 085JK 05										127.00	5.000	0.350	2.00	369.82	14.560	BE	BK	SPECIAL
LE 085JK 06 LE 085JK 07										139.70	5.500	0.298	1.70	425.20	16.740	BF BG	BL BM	SPECIAL SPECIAL
LE 085JK 07										152.40 165.10	6.000 6.500	0.263 0.228	1.50 1.30	476.00 538.48	18.740 21.200	BH	BN	SPECIAL
LE 085JK 09										177.80	7.000	0.220	1.20	582.42	22.930	BJ	BQ	SPECIAL
LE 105JK 01			2.67	0.105	168.14	37.80	15.12	3.40	RANDOM	76.20	3.000	3.433	19.60	120.90	4.760	BA	BF	SPECIAL
LE 105JK 02			2.0.	000	100	000	.0	00		88.90	3.500	2.189	12.50	158.75	6.250	BB	BG	SPECIAL
LE 105JK 03										101.60	4.000	1.611	9.20	196.60	7.740	BC	BH	SPECIAL
LE 105JK 04										114.30	4.500	1.278	7.30	233.93	9.210	BD	BJ	SPECIAL
LE 105JK 05										127.00	5.000	1.051	6.00	272.54	10.730	BE	BK	SPECIAL
LE 105JK 06										139.70	5.500	0.893	5.10	311.15	12.250	BF	BL	SPECIAL
LE 105JK 07										152.40	6.000	0.788	4.50	346.46	13.640	BG	BM	SPECIAL
LE 105JK 08										165.10	6.500	0.683	3.90	389.13	15.320	BH	BN	SPECIAL
LE 105JK 09										177.80	7.000	0.613	3.50	427.48	16.830	BJ	BQ	SPECIAL
LE 125JK 01			3.18	0.125	265.11	59.60	24.51	5.51	RANDOM	76.20	3.000	8.091	46.20	105.94	4.171	BD	BJ	SPECIAL
LE 125JK 02										88.90	3.500	5.307	30.30	134.24	5.285	BE	BK	SPECIAL
LE 125JK 03 LE 125JK 04										101.60 114.30	4.000 4.500	3.940 3.135	22.50 17.90	162.66 191.06	6.404 7.522	BF BG	BL BM	SPECIAL SPECIAL
LE 125JK 04 LE 125JK 05										127.00	5.000	2.609	14.90	219.20	8.630	BH	BN	SPECIAL
LE 125JK 06										139.70	5.500	2.224	12.70	247.88	9.759	BJ	BP	SPECIAL
LE 125JK 07										152.40	6.000	1.944	11.10	276.17	10.873	BK	BQ	SPECIAL
LE 125JK 08										165.10	6.500	1.734	9.90	303.89	11.964	BL	BR	SPECIAL
LE 125JK 09										177.80	7.000	1.559	8.90	332.16	13.077	BM	BS	SPECIAL
LE 095K 01	31.75	1.250	2.41	0.095	115.65	26.00	10.45	2.35	RANDOM	82.55	3.250	1.275	7.28	165.10	6.500	BB	BH	SPECIAL
LE 095K 02										88.90	3.500	1.026	5.86	191.52	7.540	BB	BH	SPECIAL
LE 095K 03										101.60	4.000	0.739	4.22	243.84	9.600	BC	BJ	SPECIAL
LE 095K 04										114.30	4.500	0.578	3.30	296.42	11.670	BD	BK	SPECIAL
LE 095K 05										127.00	5.000	0.475	2.71	348.74	13.730	BE	BL	SPECIAL
LE 095K 06										139.70	5.500	0.403	2.30	400.81	15.780	BF	BM	SPECIAL
LE 095K 07										152.40	6.000	0.349	1.99	454.15	17.880	BG BU	BN	SPECIAL
LE 095K 08 LE 095K 09										165.10 177.80	6.500	0.308 0.275	1.76	506.48 560.32	19.940	BH BJ	BP PO	SPECIAL SPECIAL
LE 095K 09 LE 095K 10										177.80	7.000 7.500	0.275	1.57 1.43	610.62	22.060 24.040	BK BK	BQ BR	SPECIAL
LE 095K 10			2.92	0.115	200.17	45.00	18.90	4.25	RANDOM	82.55	3.250	3.163	18.06	139.95	5.510	BF	BK	SPECIAL
LE 115K 02			2.02	0.110	200.17	10.00	10.00	1.20	, u a abolvi	88.90	3.500	2.574	14.70	159.26	6.270	BF	BK	SPECIAL
LE 115K 03										101.60	4.000	1.877	10.72	198.12	7.800	BG	BL	SPECIAL
LE 115K 04										114.30	4.500	1.476	8.43	236.98	9.330	BH	BM	SPECIAL
LE 115K 05										127.00	5.000	1.217	6.95	275.84	10.860	BJ	BN	SPECIAL
LE 115K 06										139.70	5.500	1.035	5.91	314.96	12.400	BK	BP	SPECIAL
LE 115K 07										152.40	6.000	0.900	5.14	353.82	13.930	BK	BQ	SPECIAL
LE 115K 08										165.10	6.500	0.797	4.55	392.68	15.460	BL	BR	SPECIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.



Loops at Random Position, except for † springs

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

LEE	0U1	SIDE		IINAL	MAX	IMUM	INIT	ΓIAL	LOOP		INAL	SPR	RING		IMUM		PRICE GROU	IP
STOCK NUMBER		METER		IRE IETER		AD		SION	POSITION		GTH		TE	LEN	NDED GTH	Music Wire	302 Stainless	316 Stainless
	MM	IN	MM	IN	N	LB	N	LB		MM	IN	N/MM	LB/IN	MM	IN	M	S	S316
LE 115K 09	31.75	1.250	2.92	0.115	200.17	45.00	18.90	4.25	RANDOM	177.80	7.000	0.715	4.08	431.55	16.990	BM	BS	SPECIAL
LE 115K 10										190.50	7.500	0.648	3.70	470.15	18.510	BN	BT	SPECIAL
LE 135K 01			3.43	0.135	289.13	65.00	27.58	6.20	RANDOM	82.55	3.250	7.093	40.50	119.38	4.700	BJ	BL	SPECIAL
LE 135K 02										88.90	3.500	6.025	34.40	132.33	5.210	BJ	BL	SPECIAL
LE 135K 03										101.60	4.000	4.466	25.50	160.27	6.310	BK	BM	SPECIAL
LE 135K 04										114.30	4.500	3.450	19.70	189.99	7.480	BK	BM	SPECIAL
LE 135K 05										127.00	5.000	2.872	16.40	218.19	8.590	BL	BP	SPECIAL
LE 135K 06	-									139.70	5.500	2.382	13.60	249.43	9.820	BL	BP	SPECIAL
LE 135K 07										152.40 165.10	6.000 6.500	2.084 1.856	11.90 10.60	277.88 306.07	10.940 12.050	BM BM	BR BR	SPECIAL SPECIAL
LE 135K 08 LE 135K 09	-									177.80	7.000	1.664	9.50	335.03	13.190	BN	BS	SPECIAL
LE 135K 10										190.50	7.500	1.504	8.60	364.24	14.340	BP	BT	SPECIAL
LE 148K 01	1		3.76	0.148	384.77	86.50	35.59	8.00	RANDOM	82.55	3.250	11.187	63.88	113.77	4.479	BK	BP	SPECIAL
LE 148K 02			3.70	0.140	304.77	00.00	33.33	0.00	IVAINDOM	88.90	3.500	9.251	52.82	126.64	4.986	BK	BP	SPECIAL
LE 148K 03										101.60	4.000	6.872	39.24	152.43	6.001	BL	BQ	SPECIAL
LE 148K 04	1									114.30	4.500	5.466	31.21	178.18	7.015	BL	BQ	SPECIAL
LE 148K 05										127.00	5.000	4.538	25.91	203.96	8.030	BM	BR	SPECIAL
LE 148K 06										139.70	5.500	3.879	22.15	229.72	9.044	BM	BR	SPECIAL
LE 148K 07	1									152.40	6.000	3.387	19.34	255.50	10.059	BN	BS	SPECIAL
LE 148K 08										165.10	6.500	3.005	17.16	281.31	11.075	BN	BS	SPECIAL
LE 148K 09	1									177.80	7.000	2.702	15.43	307.01	12.087	BP	BT	SPECIAL
LE 148K 10										190.50	7.500	2.454	14.01	332.82	13.103	BQ	BU	SPECIAL
LE 125L 01	38.10	1.500	3.18	0.125	200.17	45.00	18.68	4.20	RANDOM	114.30	4.500	1.576	9.00	229.36	9.030	BJ	BN	SPECIAL
LE 125L 02										127.00	5.000	1.243	7.10	273.05	10.750	BK	BP	SPECIAL
LE 125L 03										139.70	5.500	1.028	5.87	316.23	12.450	BL	BQ	SPECIAL
LE 125L 04										152.40	6.000	0.876	5.00	359.66	14.160	BM	BR	SPECIAL
LE 125L 05										165.10	6.500	0.762	4.35	403.35	15.880	BN	BS	SPECIAL
LE 125L 06	-									177.80	7.000	0.676	3.86	446.28	17.570	BP	BT	SPECIAL
LE 125L 07										190.50	7.500	0.606	3.46	489.97	19.290	BQ	BU	SPECIAL
LE 125L 08 LE 148L 01	-		3.76	0.148	314.18	70.63	29.80	6.70	RANDOM	203.20 114.30	8.000 4.500	0.550 4.256	3.14 24.30	533.15 181.13	20.990 7.131	BR BP	BV BS	SPECIAL SPECIAL
LE 146L 01 LE 148L 02			3.70	0.140	314.10	70.03	29.00	0.70	KANDOW	127.00	5.000	3.275	18.70	213.84	8.419	BQ	BT	SPECIAL
LE 148L 03										139.70	5.500	2.680	15.30	245.82	9.678	BR	BU	SPECIAL
LE 148L 04	-									152.40	6.000	2.259	12.90	278.28	10.956	BS	BV	SPECIAL
LE 148L 05										165.10	6.500	1.961	11.20	310.08	12.208	BT	BW	SPECIAL
LE 148L 06										177.80	7.000	1.716	9.80	343.48	13.523	BU	BX	SPECIAL
LE 148L 07	1									190.50	7.500	1.541	8.80	375.03	14.765	BV	BY	SPECIAL
LE 148L 08										203.20	8.000	1.384	7.90	408.74	16.092	BW	BZ	SPECIAL
LE 177L 01	1		4.50	0.177	538.06	120.96	48.80	10.97	RANDOM	114.30	4.500	10.490	59.90	160.93	6.336	BQ	BW	SPECIAL
LE 177L 02										127.00	5.000	8.214	46.90	186.56	7.345	BR	BX	SPECIAL
LE 177L 03										139.70	5.500	6.743	38.50	212.27	8.357	BS	BY	SPECIAL
LE 177L 04	1									152.40	6.000	5.727	32.70	237.85	9.364	BT	BZ	SPECIAL
LE 177L 05										165.10	6.500	4.974	28.40	263.47	10.373	BU	CA	SPECIAL
LE 177L 06										177.80	7.000	4.396	25.10	289.10	11.382	BV	CB	SPECIAL
LE 177L 07										190.50	7.500	3.940	22.50	314.66	12.388	BW	CC	SPECIAL
LE 177L 08										203.20	8.000	3.555	20.30	340.82	13.418	BX	CD	SPECIAL
LE 148N 01	44.45	1.750	3.76	0.148	286.15	64.33	25.76	5.79	RANDOM	127.00	5.000	2.627	15.00	226.14	8.903	BR	BX	SPECIAL
LE 148N 02										139.70	5.500	2.014	11.50	268.99	10.590	BS	BY	SPECIAL
LE 148N 03	-									152.40	6.000	1.646	9.40	310.59	12.228	BT	BZ	SPECIAL
LE 148N 04										165.10	6.500	1.384	7.90	353.31	13.910	BU	CA	SPECIAL
LE 148N 05										177.80	7.000	1.191	6.80	396.47	15.609	BV	CB	SPECIAL
LE 148N 06	-									190.50	7.500	1.051	6.00	438.30	17.256	BW	CC	SPECIAL
LE 148N 07										203.20	8.000	0.928	5.30	483.74	19.045	BX	CD	SPECIAL
LE 148N 08	-		4 E0	0.477	460.33	105 51	42.26	0.50	DANDONA	228.60	9.000	0.771	4.40	566.52	22.304	BY	CE	SPECIAL
LE 177N 01 LE 177N 02			4.50	0.177	469.33	105.51	42.26	9.50	RANDOM	127.00 139.70	5.000 5.500	6.410 4.991	36.60 28.50	193.62 225.27	7.623 8.869	BS BT	BY BZ	SPECIAL SPECIAL
LE 177N 02 LE 177N 03										152.40	6.000	4.991	23.30	257.07	10.121	BU	CA	SPECIAL
LE 177N 03	1									165.10	6.500	3.450	19.70	288.90	11.374	BV	CA	SPECIAL
LE 177N 04 LE 177N 05										177.80	7.000	2.995	17.10	320.42	12.615	BW	CC	SPECIAL
LE 177N 05 LE 177N 06										190.50	7.500	2.645	15.10	351.99	13.858	BX	CD	SPECIAL
			1							100.00	1.000	070	10.10	1 001.00	10.000	D/(ם ו	Joi LOIAL

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

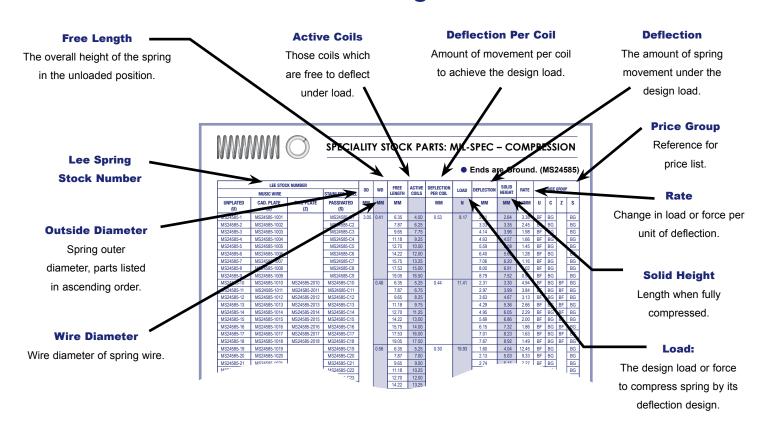


Loops at Random Position, except for † springs

 $^{^\}dagger\,$ Indicates DIN Extension Springs meeting the design parameters outlined in Standard DIN 2097.

SPECIALITY STOCK PARTS - MIL-SPEC SPRINGS

Guide to using tables



ADDITIONAL INFORMATION

Be sure to specify the complete numbers as designated by AS24585 and AS24586. MIL-SPEC Springs begin with the prefix MS24585 or MS24586 followed by a hyphen and the part number, e.g., MS24585-1002 or MS24586-C13. The following chart (right) is a helpful reference:

MIL-SP	EC	Unplated	Cadmium Plated	Zinc Plated	Stainless Steel
Compres MS245		MS24585-1 through MS24585-527	MS24585-1001 through MS24585-1527	MS24585-2010 through MS24585-2507	MS24585-C1 through MS24585-C527
Extens MS245		MS24586-1 through MS24586-354	MS24586-501 through MS24586-854	MS24586-1006 through MS24586-1354	MS24586-C1 through MS24586-C354



MATERIALS:

All MIL-SPEC springs are available in the four authorised AS24585 and AS24586 materials:

- Uncoated Music Wire per ASTM A228.
- Cadmium Plated Music Wire in accordance with SAE-AMS-QQ-P-416, Type II, Class 2.
- Zinc Plated Music Wire in accordance with ASTM B633, Type II, Fe/Zn5.
- Corrosion Resistant Stainless Steel 302 per ASTM A313 with passivation treatment in accordance with ASTM A967 or AMS2700, DFARS Compliant material only.

ABOUT DFARS COMPLIANCE

DFARS regulates the supply country for certain materials. It applies to Stainless Steel but does not apply to Music Wire. For a complete explanation of DFARS Compliance, please contact us for engineering assistance.

MIL-SPEC SPRINGS AVAILABLE IN STOCK.

When you need MIL-SPEC Springs, Lee Spring simplifies the purchasing process by offering the full range of MIL-SPEC Compression Springs and Extension Springs.

- · Simplified pricing
- no complicated price grids.
- Paperwork included
- no additional charges for material certifications or traceability.
- DFARS Compliance
- all Stainless Steel MIL-SPEC springs meet DFARS specifications.
- Quick RFQ turnaround
- quantities over 1000.

ABOUT MIL-SPEC SPRINGS

These products are part of the United States Defense Standard. They are used to help achieve standardisation objectives set by the U.S. Department of Defense. They are known interchangeably as "military standards",

"MIL-SPEC", "MIL-STD", or "MilSpecs." These high precision designs meet stringent technical requirements and are used in a multitude of Military and Aerospace applications, both defense and non-defense related. MIL-SPEC springs are increasingly specified by other non-Defense government organisations, technical organisations, and highly regulated industries. The MIL-SPEC standard for compression springs for loads below 20 lbs. is AS24585; this standard was formerly MS24585. The MIL-SPEC standard for extension springs for loads below 30 lbs. is AS24586; this was formerly MS24586.



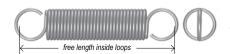
	LEE STOC	K NUMBER		OD	WD	FREE	ACTIVE	DEFLECTION	MAX	INIT	MAX	RATE		PRICE	GROUE	,
	MUSIC WIRE		STAINLESS STEEL	OD	WD	LENGTH	COILS	PER COIL	LOAD	TENSION	EXT	NAIE			u11001	
UNPLATED (U)	CAD. PLATE (C)	ZINC PLATE (Z)	PASSIVATED (S)	ММ	MM	ММ		ММ	N	N	ММ	N/MM	U	С	Z	S
MS24586-1	MS24586-501		MS24586-C1	3.05	0.41	25.40	50.5	0.41	7.12	0.89	45.97	0.30	ВН	BJ		BJ
MS24586-2	MS24586-502		MS24586-C2			28.58	58.5				52.58	0.26	ВН	BJ		BJ
MS24586-3	MS24586-503		MS24586-C3			31.75	66.0				58.67	0.23	BJ	BJ		BJ
MS24586-4	MS24586-504		MS24586-C4			34.93	74.0				65.28	0.21	BJ	BJ		BJ
MS24586-5	MS24586-505		MS24586-C5			38.10	82.0				71.63	0.19	BJ	BJ		BJ
MS24586-6	MS24586-506	MS24586-1006	MS24586-C6		0.46	25.40	45.5	0.34	9.79	0.89	40.64	0.58	BJ	BJ	BJ	BJ
MS24586-7	MS24586-507	MS24586-1007	MS24586-C7			28.58	52.0				45.97	0.51	BJ	BJ	BJ	BJ
MS24586-8	MS24586-508	MS24586-1008	MS24586-C8			31.75	59.0				51.56	0.45	BJ	BJ	BJ	BJ
MS24586-9	MS24586-509	MS24586-1009	MS24586-C9			34.93	66.5				57.15	0.40	BJ	BJ	BJ	BJ
MS24586-10	MS24586-510	MS24586-1010	MS24586-C10			38.10	73.0				62.74	0.36	BJ	BJ	BJ	BJ
MS24586-11	MS24586-511	MS24586-1011	MS24586-C11			41.28	80.0				68.33	0.33	BJ	BJ	BJ	BJ
MS24586-12	MS24586-512	MS24586-1012	MS24586-C12			44.45	87.0				73.66	0.30	BJ	BJ	BJ	BJ
MS24586-13	MS24586-513	MS24586-1013	MS24586-C13			47.63	94.0				79.25	0.28	BJ	BJ	BJ	BJ
MS24586-14	MS24586-514	MS24586-1014	MS24586-C14		0.54	50.80	101.0	0.00	40.04	4.00	84.84	0.26	BJ	BJ	BJ	BJ
MS24586-15	MS24586-515		MS24586-C15		0.51	25.40	41.0	0.28	13.34	1.33	36.83	1.05	BH	BH		BJ
MS24586-16 MS24586-17	MS24586-516		MS24586-C16			28.58	47.0				41.66	0.92	BH	BH		BJ
MS24586-18	MS24586-517 MS24586-518		MS24586-C17 MS24586-C18			31.75 34.93	53.5 60.0				46.74 51.82	0.80 0.71	BH	BH		BJ
MS24586-19	MS24586-519		MS24586-C19			38.10	66.0				56.64	0.71	ВН	ВН		BJ
MS24586-20	MS24586-520		MS24586-C20			41.28	72.5				61.72	0.59	ВН	ВН		BJ
MS24586-21	MS24586-521		MS24586-C21			44.45	78.5				66.55	0.59	ВЈ	BJ		BJ
MS24586-22	MS24586-522		MS24586-C22			47.63	84.5				71.37	0.54	BJ	BJ		BJ
MS24586-23	MS24586-523		MS24586-C23			50.80	91.0				76.45	0.31	BJ	BJ		BJ
MS24586-24	MS24586-524		MS24586-C24		0.56	25.40	37.5	0.23	17.35	1.78	34.04	1.82	BH	BJ		BJ
MS24586-25	MS24586-525		MS24586-C25		0.50	28.58	43.0	0.23	17.55	1.70	38.35	1.58	BH	BJ		BJ
MS24586-26	MS24586-526		MS24586-C26			31.75	49.0				42.93	1.39	BJ	BJ		BJ
MS24586-27	MS24586-527		MS24586-C27			34.93	54.5				47.24	1.26	BJ	BJ		BJ
MS24586-28	MS24586-528		MS24586-C28			38.10	60.0				51.82	1.13	BJ	BJ		BJ
MS24586-29	MS24586-529		MS24586-C29			41.28	66.0				56.39	1.03	BJ	BJ		BJ
MS24586-30	MS24586-530		MS24586-C30			44.45	71.5				60.71	0.96	BJ	BJ		BJ
MS24586-31	MS24586-531		MS24586-C31			47.63	77.0				65.28	0.88	BJ	BJ		BJ
MS24586-32	MS24586-532		MS24586-C32			50.80	83.0				69.85	0.82	BJ	BJ		BJ
MS24586-33	MS24586-533		MS24586-C33			53.98	88.5				74.17	0.77	BJ	BJ	-	BJ
MS24586-34	MS24586-534		MS24586-C34			57.15	94.5				78.74	0.72	BJ	BJ		BJ
MS24586-35	MS24586-535		MS24586-C35			60.33	100.0				83.31	0.68	BJ	BJ		BJ
MS24586-36	MS24586-536		MS24586-C36			63.50	106.5				87.63	0.64	BJ	BJ		BJ
MS24586-37	MS24586-537	MS24586-1037	MS24586-C37	6.10	0.66	25.40	23.0	1.08	14.68	1.33	50.04	0.54	BG	ВН	BG	ВН
MS24586-38	MS24586-538	MS24586-1038	MS24586-C38			28.58	28.0				58.67	0.44	BG	ВН	BG	ВН
MS24586-39	MS24586-539	MS24586-1039	MS24586-C39			31.75	32.5				67.06	0.38	BG	ВН	BG	ВН
MS24586-40	MS24586-540	MS24586-1040	MS24586-C40			34.93	37.5				75.18	0.33	BG	ВН	BG	ВН
MS24586-41	MS24586-541	MS24586-1041	MS24586-C41			38.10	42.0				83.31	0.30	BG	ВН	BG	ВН
MS24586-42	MS24586-542	MS24586-1042	MS24586-C42			41.28	47.0				91.95	0.26	BG	ВН	BG	ВН
MS24586-43	MS24586-543	MS24586-1043	MS24586-C43			44.45	52.0				100.33	0.24	ВН	BJ	ВН	BJ
MS24586-44	MS24586-544	MS24586-1044	MS24586-C44			47.63	56.5				108.46	0.22	ВН	BJ	ВН	BJ
MS24586-45	MS24586-545	MS24586-1045	MS24586-C45			50.80	61.5				116.84	0.20	ВН	BJ	ВН	BJ
MS24586-46	MS24586-546	MS24586-1046	MS24586-C46		0.79	25.40	20.0	0.81	23.58	2.22	41.66	1.32	BG	ВН	BG	BH
MS24586-47	MS24586-547	MS24586-1047	MS24586-C47			28.58	24.0				48.01	1.14	BG	ВН	BG	BH
MS24586-48	MS24586-548	MS24586-1048	MS24586-C48			31.75	28.0				54.36	0.94	BG	ВН	BG	BH
MS24586-49	MS24586-549	MS24586-1049	MS24586-C49			34.93	31.0				59.94	0.85	BG	ВН	BG	BH
MS24586-50	MS24586-550	MS24586-1050	MS24586-C50			38.10	36.0				67.06	0.74	BG	ВН	BG	BH
MS24586-51	MS24586-551	MS24586-1051	MS24586-C51			41.28	40.0				73.41	0.66	BG	ВН	BG	BH
MS24586-52	MS24586-552	MS24586-1052	MS24586-C52			44.45	44.0				80.01	0.60	BG	BH	BG	BH
MS24586-53	MS24586-553	MS24586-1053	MS24586-C53			47.63	47.0				85.60	0.56	ВН	BJ	BH	BJ
MS24586-54	MS24586-554	MS24586-1054	MS24586-C54			50.80	52.0				92.71	0.51	ВН	BJ	ВН	BJ
MS24586-55	MS24586-555	MS24586-1055	MS24586-C55			53.98	56.0				99.31	0.47	BH	BJ	BH	BJ
MS24586-56	MS24586-556	MS24586-1056	MS24586-C56			57.15	60.0				105.66	0.44	BH	BJ	ВН	BJ
MS24586-57	MS24586-557	MS24586-1057	MS24586-C57			60.33	64.0				112.01	0.41	BH	BJ	BH	BJ
MS24586-58	MS24586-558	MS24586-1058	MS24586-C58			63.50	68.0				118.36	0.39	BH	BJ	BH	BJ
MS24586-59	MS24586-559		MS24586-C59		0.94	25.40	17.0	0.60	38.70	3.56	35.56	3.47	BG	ВН		BH
MS24586-60	MS24586-560		MS24586-C60			28.58	20.5				40.89	2.88	BG	BH		BH



	LEE STOC	K NUMBER														
	MUSIC WIRE	K NUMBEN	STAINLESS STEEL	OD	WD	FREE Length	ACTIVE COILS	DEFLECTION PER COIL	MAX LOAD	INIT Tension	MAX EXT	RATE		PRICE	GROUF	•
UNPLATED	CAD. PLATE	ZINC PLATE	PASSIVATED	MM	ММ	MM	OOILO	MM	N	N	ММ	N/MM	U	С	Z	S
(U)	(C)	(Z)	(S)	IVIIVI	IVIIVI	IVIIVI		IVIIVI	, N	, n	IVIIVI	IV/IVIIVI	١	"	_	3
MS24586-61	MS24586-561		MS24586-C61	6.10	0.94	31.75	24.0	0.60	38.70	3.56	45.97	2.45	BG	ВН		ВН
MS24586-62	MS24586-562		MS24586-C62			34.93	27.0				51.05	2.18	BG	ВН		ВН
MS24586-63	MS24586-563		MS24586-C63			38.10	30.5				55.88	1.96	BG	ВН		ВН
MS24586-64	MS24586-564		MS24586-C64			41.28	34.0				61.47	1.73	ВН	BJ		BJ
MS24586-65	MS24586-565		MS24586-C65			44.45	37.5				66.80	1.57	ВН	BJ		BJ
MS24586-66	MS24586-566		MS24586-C66			47.63	40.5				71.88	1.46	BH	BJ		BJ
MS24586-67	MS24586-567		MS24586-C67			50.80 53.98	44.0 47.5				77.22 82.30	1.34	BH	BJ BJ		BJ BJ
MS24586-68 MS24586-69	MS24586-568 MS24586-569		MS24586-C68 MS24586-C69			57.15	51.0				87.63	1.15	ВН	BJ		BJ
MS24586-70	MS24586-570		MS24586-C70			60.33	54.5				91.19	1.08	BH	BJ		BJ
MS24586-71	MS24586-571		MS24586-C71			63.50	57.5				97.79	1.02	BJ	BJ		BJ
MS24586-72	MS24586-572		MS24586-C72			69.85	64.5				108.46	0.91	BJ	BJ		BJ
MS24586-73	MS24586-573		MS24586-C73			76.20	71.0				118.62	0.83	BJ	BJ		BJ
MS24586-74	MS24586-574	MS24586-1074	MS24586-C74		1.04	25.40	15.5	0.49	50.71	4.45	33.02	6.05	ВН	BJ	ВН	BJ
MS24586-75	MS24586-575	MS24586-1075	MS24586-C75			28.58	18.5				37.59	5.07	ВН	BJ	ВН	BJ
MS24586-76	MS24586-576	MS24586-1076	MS24586-C76			31.75	21.5				42.42	4.37	BH	BJ	ВН	BJ
MS24586-77	MS24586-577	MS24586-1077	MS24586-C77			34.93	25.0				47.24	3.75	BH	BJ	BH	BJ
MS24586-78	MS24586-578	MS24586-1078	MS24586-C78			38.10	28.0				51.82	3.35	BH	BJ	BH	BJ
MS24586-79 MS24586-80	MS24586-579 MS24586-580	MS24586-1079 MS24586-1080	MS24586-C79 MS24586-C80			41.28 44.45	31.0 34.0				56.64	2.76	BH BJ	BJ BJ	BH	BJ BJ
MS24586-81	MS24586-581	MS24586-1081	MS24586-C81			47.63	37.0				65.79	2.70	BJ	BJ	BJ	BJ
MS24586-82	MS24586-582	MS24586-1082	MS24586-C82			50.80	40.0				70.61	2.35	BJ	BJ	BJ	BJ
MS24586-83	MS24586-583	MS24586-1083	MS24586-C83			53.98	43.0				75.18	2.18	BJ	BJ	BJ	BJ
MS24586-84	MS24586-584	MS24586-1084	MS24586-C84			57.15	46.0				79.76	2.04	BJ	BJ	BJ	BJ
MS24586-85	MS24586-585	MS24586-1085	MS24586-C85			60.33	49.0				84.58	1.92	BJ	BJ	BJ	BJ
MS24586-86	MS24586-586	MS24586-1086	MS24586-C86			63.50	52.0				89.15	1.81	BJ	BJ	BJ	BJ
MS24586-87	MS24586-587	MS24586-1087	MS24586-C87			69.85	58.5				98.55	1.60	BJ	BJ	BJ	BJ
MS24586-88	MS24586-588	MS24586-1088	MS24586-C88			76.20	64.5				107.95	1.46	BJ	BJ	BJ	BJ
MS24586-89	MS24586-589	MS24586-1089	MS24586-C89			82.55	70.5				117.35	1.33	BJ	BJ	BJ	BJ
MS24586-90	MS24586-590	MS24586-1090	MS24586-C90			88.90	76.5				126.49	1.23	BJ	BJ	BJ	BJ
MS24586-91	MS24586-591	MS24586-1091	MS24586-C91	9.14	0.79	25.40	12.0	2.16	16.01	1.33	51.31	0.57	BG	BH	BG	BH
MS24586-92	MS24586-592	MS24586-1092	MS24586-C92			28.58	16.0				62.99	0.43	BG	BH	BG	BH
MS24586-93 MS24586-94	MS24586-593	MS24586-1093	MS24586-C93			31.75	20.0				74.93	0.34	BG	BH	BG	BH
MS24586-95	MS24586-594 MS24586-595	MS24586-1094 MS24586-1095	MS24586-C94 MS24586-C95			34.93 38.10	24.0				86.61 96.77	0.28	BG BG	BH	BG BG	BH BH
MS24586-96	MS24586-596	W324300-1093	MS24586-C96		0.94	25.40	10.5	1.65	26.24	2.22	42.67	1.39	BG	ВН	ВО	ВН
MS24586-97	MS24586-597		MS24586-C97		0.54	28.58	14.0	1.00	20.24	2.22	51.82	1.04	BG	BH		BH
MS24586-98	MS24586-598		MS24586-C98			31.75	17.5				60.71	0.83	BG	BH		BH
MS24586-99	MS24586-599		MS24586-C99			34.93	20.5				68.83	0.71	BG	ВН		BH
MS24586-100	MS24586-600		MS24586-C100			38.10	24.0				77.72	0.61	BG	ВН		ВН
MS24586-101	MS24586-601		MS24586-C101			41.28	27.5				86.61	0.53	BG	ВН		ВН
MS24586-102	MS24586-602		MS24586-C102			44.45	31.0				95.76	0.47	BG	ВН		BH
MS24586-103	MS24586-603		MS24586-C103			47.63	34.0				103.89	0.43	BH	BJ		BJ
MS24586-104	MS24586-604		MS24586-C104			50.80	37.5				112.78	0.39	BH	BJ		BJ
MS24586-105	MS24586-605		MS24586-C105			53.98	41.0				121.67	0.36	BH	BJ		BJ
MS24586-106	MS24586-606		MS24586-C106			57.15	44.5				130.56	0.33	BH	BJ		BJ
MS24586-107	MS24586-607		MS24586-C107			60.33	47.5				138.68	0.31	BH	BJ		BJ BJ
MS24586-108 MS24586-109	MS24586-608 MS24586-609	MS24586-1109	MS24586-C108 MS24586-C109		1.04	63.50 25.40	51.0 10.0	1.41	35.14	3.11	147.57 39.37	0.29 2.27	BH BG	BJ BH	BG	BH
MS24586-110	MS24586-610	MS24586-1110	MS24586-C110		1.04	28.58	13.0	(.41)	00.14	J.11	46.99	1.75	BG	ВН	BG	ВН
MS24586-111	MS24586-611	MS24586-1111	MS24586-C111			31.75	16.0				54.36	1.42	BG	BH	BG	BH
MS24586-112	MS24586-612	MS24586-1112	MS24586-C112			34.93	19.0				61.72	1.20	BG	BH	BG	BH
MS24586-113	MS24586-613	MS24586-1113	MS24586-C113			38.10	22.0				69.09	1.03	BG	ВН	BG	ВН
MS24586-114	MS24586-614	MS24586-1114	MS24586-C114			41.28	25.0				76.45	0.91	BG	ВН	BG	ВН
MS24586-115	MS24586-615	MS24586-1115	MS24586-C115			44.45	28.0				83.82	0.81	BG	ВН	BG	ВН
MS24586-116	MS24586-616	MS24586-1116	MS24586-C116			47.63	31.0				91.44	0.73	ВН	BJ	ВН	BJ
MS24586-117	MS24586-617	MS24586-1117	MS24586-C117			50.80	34.0				98.81	0.67	ВН	BJ	ВН	BJ
MS24586-118	MS24586-618	MS24586-1118	MS24586-C118			53.98	37.0				106.17	0.61	ВН	BJ	ВН	BJ
MS24586-119	MS24586-619	MS24586-1119	MS24586-C119			57.15	40.5				114.30	0.56	BH	BJ	ВН	BJ
MS24586-120	MS24586-620	MS24586-1120	MS24586-C120			60.33	43.5				121.67	0.52	BJ	BJ	BJ	BJ



		K NUMBER		OD	WD	FREE	ACTIVE	DEFLECTION	MAX	INIT	MAX	RATE		PRICE	GROUP	
	MUSIC WIRE		STAINLESS STEEL			LENGTH	COILS	PER COIL	LOAD	TENSION	EXT					
UNPLATED (U)	CAD. PLATE (C)	ZINC PLATE (Z)	PASSIVATED (S)	MM	MM	MM		MM	N	N	MM	N/MM	U	C	Z	S
MS24586-121	MS24586-621	MS24586-1121	MS24586-C121	9.14	1.04	63.50	46.5	1.41	35.14	3.11	129.03	0.49	BJ	BJ	BJ	BJ
MS24586-122	MS24586-622	MS24586-1122	MS24586-C122		1.14	25.40	9.0	1.20	45.37	4.00	36.32	3.83	BG	ВН	BG	ВН
MS24586-123	MS24586-623	MS24586-1123	MS24586-C123			28.58	12.0				42.93	2.88	BG	BH	BG	BH
MS24586-124	MS24586-624	MS24586-1124	MS24586-C124			31.75	14.5				49.02	2.38	BG	BH	BG	BH
MS24586-125	MS24586-625	MS24586-1125	MS24586-C125			34.93	17.5				55.88	1.97	BG	BH	BG	BH
MS24586-126	MS24586-626	MS24586-1126	MS24586-C126			38.10	20.5				62.74	1.68	BG	BH	BG	BH
MS24586-127	MS24586-627	MS24586-1127	MS24586-C127			41.28	23.0				68.83	1.50	BG	BH	BG	BH
MS24586-128	MS24586-628	MS24586-1128	MS24586-C128			44.45	26.0				75.69	1.33	BG	BH	BG	BH
MS24586-129	MS24586-629	MS24586-1129	MS24586-C129			47.63	28.5				81.79	1.21	BG	BJ	BG	BJ
MS24586-130	MS24586-630	MS24586-1130	MS24586-C130			50.80	31.5				88.65	1.09	BG	BJ	BG	BJ
MS24586-131	MS24586-631	MS24586-1131	MS24586-C131			53.98	34.0				95.76	1.01	BH	BJ	BH	BJ
MS24586-132	MS24586-632	MS24586-1132	MS24586-C132			57.15	37.0				101.60	0.93	BH	BJ	BH	BJ
MS24586-133 MS24586-134	MS24586-633 MS24586-634	MS24586-1133 MS24586-1134	MS24586-C133 MS24586-C134			60.33	40.0 42.5				108.20	0.86 0.81	BJ BJ	BJ BJ	BJ BJ	BJ BJ
MS24586-135	MS24586-635	MS24586-1135	MS24586-C135			69.85	48.0				127.51	0.61	ВJ	ВJ	ВJ	ВJ
MS24586-136	MS24586-636	MS24586-1136	MS24586-C136			76.20	53.5				140.46	0.72	BJ	BJ	BJ	BJ
MS24586-137	MS24586-637	W324300-1130	MS24586-C137		1.40	28.58	10.5	0.84	78.29	7.12	37.85	8.05	BH	BJ	DU	BJ
MS24586-138	MS24586-638		MS24586-C138		1.40	31.75	12.5	0.04	10.23	7.12	42.16	6.77	BH	BJ		BJ
MS24586-139	MS24586-639		MS24586-C139			34.93	15.0				47.50	5.64	BH	BJ		BJ
MS24586-140	MS24586-640		MS24586-C140			38.10	17.0				52.32	4.98	BH	BJ		BJ
MS24586-141	MS24586-641		MS24586-C141			41.28	19.5				57.66	4.35	BH	BJ		BJ
MS24586-142	MS24586-642		MS24586-C142			44.45	21.5				62.48	3.94	ВН	BJ		BJ
MS24586-143	MS24586-643		MS24586-C143			47.63	24.0				67.82	3.53	BJ	BJ		BJ
MS24586-144	MS24586-644		MS24586-C144			50.80	26.5				72.90	3.19	BJ	BJ		BJ
MS24586-145	MS24586-645		MS24586-C145			53.98	28.5				77.98	2.97	BJ	BK		BK
MS24586-146	MS24586-646		MS24586-C146			57.15	31.0				83.31	2.73	BJ	BK		BK
MS24586-147	MS24586-647		MS24586-C147			60.33	33.0				88.14	2.57	BJ	BK		BK
MS24586-148	MS24586-648		MS24586-C148			63.50	35.5				93.47	2.39	BJ	BK		BK
MS24586-149	MS24586-649		MS24586-C149			69.85	40.0				103.38	2.12	BJ	BK		BK
MS24586-150	MS24586-650		MS24586-C150			76.20	44.5				113.54	1.90	BJ	BK		BK
MS24586-151	MS24586-651		MS24586-C151			82.55	49.0				123.70	1.73	BJ	BL		BL
MS24586-152	MS24586-652		MS24586-C152			88.90	53.5				133.86	1.58	BJ	BL		BL
MS24586-153	MS24586-653		MS24586-C153			95.25	58.0				144.02	1.46	BJ	BL		BL
MS24586-154	MS24586-654		MS24586-C154			101.60	62.5				154.94	1.35	BJ	BL		BL
MS24586-155	MS24586-655		MS24586-C155			107.95	67.0				164.34	1.26	BK	BM		BM
MS24586-156	MS24586-656		MS24586-C156	10 -0		114.30	71.5		10		172.97	1.18	BK	BM		BM
MS24586-157	MS24586-657	MS24586-1157	MS24586-C157	12.70	0.94	31.75	10.0	3.56	19.57	1.78	67.31	0.50	BH	BJ	BH	BJ
MS24586-158	MS24586-658	MS24586-1158	MS24586-C158			34.93	13.0				81.28	0.38	BH	BJ	BH	BJ
MS24586-159	MS24586-659	MS24586-1159	MS24586-C159			38.10	16.5				96.77	0.30	BH	BJ	BH	BJ
MS24586-160 MS24586-161	MS24586-660 MS24586-661	MS24586-1160 MS24586-1161	MS24586-C160 MS24586-C161			41.28 44.45	20.0				112.52 126.49	0.25 0.22	BJ BJ	BJ BJ	BJ BJ	BJ BJ
MS24586-161	MS24586-662	WIOZ4000-1101	MS24586-C162		1.04	31.75	9.0	3.07	25.80	2.22	59.44	0.22	ВН	BJ	טם	ВJ
MS24586-163	MS24586-663		MS24586-C163		1.04	34.93	12.0	0.01	20.00	2.22	71.88	0.64	ВН	BJ		BJ
MS24586-164	MS24586-664		MS24586-C164			38.10	15.0				84.33	0.51	BH	BJ		BJ
MS24586-165	MS24586-665		MS24586-C165			41.28	18.0				96.52	0.43	BJ	BJ		BJ
MS24586-166	MS24586-666		MS24586-C166			44.45	21.0				108.97	0.37	BJ	BJ		BJ
MS24586-167	MS24586-667		MS24586-C167			47.63	24.5				122.94	0.31	BJ	BK		BK
MS24586-168	MS24586-668		MS24586-C168	1		50.80	27.5				135.38	0.28	BJ	BK		BK
MS24586-169	MS24586-669		MS24586-C169	1		53.98	30.5				147.83	0.25	BJ	BK		BK
MS24586-170	MS24586-670		MS24586-C170	1		57.15	33.5				160.02	0.23	BJ	BK		BK
MS24586-171	MS24586-671	MS24586-1171	MS24586-C171		1.14	34.93	11.5	2.65	33.36	3.11	65.53	0.99	ВН	BJ	ВН	BJ
MS24586-172	MS24586-672	MS24586-1172	MS24586-C172			38.10	14.0				74.68	0.81	ВН	BJ	ВН	BJ
MS24586-173	MS24586-673	MS24586-1173	MS24586-C173			41.28	17.0				86.36	0.67	BJ	BJ	BJ	BJ
MS24586-174	MS24586-674	MS24586-1174	MS24586-C174			44.45	19.5				96.27	0.58	BJ	BJ	BJ	BJ
MS24586-175	MS24586-675	MS24586-1175	MS24586-C175			47.63	22.5				107.44	0.51	BJ	BK	BJ	BK
MS24586-176	MS24586-676	MS24586-1176	MS24586-C176			50.80	25.0				117.09	0.46	BJ	BK	BJ	BK
MS24586-177	MS24586-677	MS24586-1177	MS24586-C177			53.98	28.0				128.27	0.41	BJ	BK	BJ	BK
MS24586-178	MS24586-678	MS24586-1178	MS24586-C178			57.15	31.0				139.45	0.37	BJ	BK	BJ	BK
MS24586-179	MS24586-679		MS24586-C179		1.40	34.93	10.0	1.93	58.27	5.34	54.36	2.74	BJ	BJ		BJ
MS24586-180	MS24586-680		MS24586-C180			38.10	12.0				61.21	2.28	BJ	BJ		BJ



	LEE STOC	K NUMBER				FREE	ACTIVE	DEFLECTION	MAX	INIT	MAX			PRIOF	ODOU	
	MUSIC WIRE		STAINLESS STEEL	OD	WD	LENGTH	COILS	PER COIL	LOAD	TENSION	EXT	RATE		PRICE	GROUF	<i>'</i>
UNPLATED (U)	CAD. PLATE (C)	ZINC PLATE (Z)	PASSIVATED (S)	ММ	ММ	ММ		ММ	N	N	ММ	N/MM	U	С	Z	S
MS24586-181	MS24586-681		MS24586-C181	12.70	1.40	41.28	14.5	1.93	58.27	5.34	69.34	1.89	BJ	BJ		BJ
MS24586-182	MS24586-682		MS24586-C182			44.45	16.5				76.45	1.58	BJ	BJ		BJ
MS24586-183	MS24586-683		MS24586-C183			47.63	19.0				99.57	1.44	BJ	BJ		BJ
MS24586-184	MS24586-684		MS24586-C184			50.80	21.0				91.44	1.30	BJ	BJ		BJ
MS24586-185	MS24586-685		MS24586-C185			53.98	23.5				99.31	1.17	BJ	BK		BK
MS24586-186	MS24586-686		MS24586-C186			57.15	25.5				108.97	1.07	BJ	BK		BK
MS24586-187	MS24586-687		MS24586-C187			60.33	28.0 30.5				114.55	0.98	BJ BJ	BK BK		BK BK
MS24586-188 MS24586-189	MS24586-688 MS24586-689		MS24586-C188 MS24586-C189	-		63.50 69.85	35.0				137.41	0.90	BJ	BL		BL
MS24586-190	MS24586-690		MS24586-C190			76.20	39.5				152.65	0.70	BK	BL		BL
MS24586-191	MS24586-691		MS24586-C191	-		82.55	43.0				165.61	0.64	BK	BM		BM
MS24586-192	MS24586-692		MS24586-C192			88.90	48.5				182.63	0.56	BK	BN		BN
MS24586-193	MS24586-693		MS24586-C193			95.25	54.0				199.64	0.51	BK	BN		BN
MS24586-194	MS24586-694		MS24586-C194			101.60	57.5				212.85	0.48	BK	BN		BN
MS24586-195	MS24586-695		MS24586-C195			107.95	62.0				227.84	0.44	BK	BN		BN
MS24586-196	MS24586-696		MS24586-C196			114.30	66.5				242.82	0.41	BK	BN		BN
MS24586-197	MS24586-697	MS24586-1197	MS24586-C197		1.60	34.93	9.0	1.54	83.63	7.56	48.77	5.47	BJ	BJ	BJ	BJ
MS24586-198	MS24586-698	MS24586-1198	MS24586-C198			38.10	11.0				55.12	4.48	BJ	BJ	BJ	BJ
MS24586-199	MS24586-699	MS24586-1199	MS24586-C199			41.28	13.0				61.47	3.79	BJ	BJ	BJ	BJ
MS24586-200	MS24586-700	MS24586-1200	MS24586-C200			44.45	15.0				67.56	3.28	BJ	BJ	BJ	BJ
MS24586-201	MS24586-701	MS24586-1201	MS24586-C201	-		47.63	17.0 19.0				73.91	2.90 2.59	BJ	BJ	BJ BJ	BJ BJ
MS24586-202 MS24586-203	MS24586-702 MS24586-703	MS24586-1202 MS24586-1203	MS24586-C202 MS24586-C203	-		50.80 53.98	21.0				86.36	2.59	BJ BJ	BJ BJ	BJ	BJ
MS24586-204	MS24586-704	MS24586-1204	MS24586-C204			57.15	23.0				92.71	2.14	BJ	BK	BJ	BK
MS24586-205	MS24586-705	MS24586-1205	MS24586-C205			60.33	25.0				99.06	1.97	BJ	BK	BJ	BK
MS24586-206	MS24586-706	MS24586-1206	MS24586-C206	-		63.50	27.0				104.65	1.82	BJ	BK	BJ	BK
MS24586-207	MS24586-707	MS24586-1207	MS24586-C207			69.85	30.5				116.84	1.61	BJ	BL	BJ	BL
MS24586-208	MS24586-708	MS24586-1208	MS24586-C208	1		76.20	34.5				129.54	1.43	BK	BL	BK	BL
MS24586-209	MS24586-709	MS24586-1209	MS24586-C209			82.55	38.5				141.99	1.28	BK	BL	BK	BL
MS24586-210	MS24586-710	MS24586-1210	MS24586-C210			88.90	42.5				154.43	1.16	BK	BL	BK	BL
MS24586-211	MS24586-711	MS24586-1211	MS24586-C211			95.25	46.5				167.13	1.06	BK	BM	BK	BM
MS24586-212	MS24586-712	MS24586-1212	MS24586-C212			101.60	50.5				179.58	0.98	BK	BM	BK	BM
MS24586-213	MS24586-713	MS24586-1213	MS24586-C213			107.95	54.5				192.02	0.90	BK	BN	BK	BN
MS24586-214	MS24586-714	MS24586-1214	MS24586-C214			114.30	58.5				204.72	0.84	BK	BN	BK	BN
MS24586-215 MS24586-216	MS24586-715 MS24586-716	MS24586-1215 MS24586-1216	MS24586-C215 MS24586-C216	-		120.65 127.00	62.5 66.5				217.17	0.79 0.74	BL BL	BQ BQ	BL BL	BQ BQ
MS24586-217	MS24586-717	WOZ4300-1210	MS24586-C217	16.51	1 40	50.80	15.5	3.61	44.93	4.00	106.68	0.73	BJ	BK	DL	BK
MS24586-218	MS24586-718		MS24586-C218	10.01	1.10	53.98	18.0	0.01	11.00	1.00	118.87	0.63	BJ	BK		BK
MS24586-219	MS24586-719		MS24586-C219			57.15	20.0				130.30	0.57	BJ	BK		BK
MS24586-220	MS24586-720		MS24586-C220			60.33	22.5				141.48	0.50	BJ	BL		BL
MS24586-221	MS24586-721		MS24586-C221			63.50	24.5				151.89	0.46	BJ	BL		BL
MS24586-222	MS24586-722		MS24586-C222			69.85	29.5				176.28	0.39	BJ	BL		BL
MS24586-223	MS24586-723		MS24586-C223			76.20	34.0				198.88	0.33	BK	BM		BM
MS24586-224	MS24586-724		MS24586-C224			82.55	38.5				221.49	0.29	BK	BN		BN
MS24586-225	MS24586-725		MS24586-C225	-		88.90	43.0				244.09	0.26	BK	BN		BN
MS24586-226	MS24586-726		MS24586-C226	-		95.25	47.5				266.70	0.24	BK	BN		BN
MS24586-227 MS24586-228	MS24586-727 MS24586-728	MS24586-1228	MS24586-C227 MS24586-C228	1	1.60	101.60 50.80	52.0 14.0	2.92	65.83	6.23	289.05 91.69	0.22 1.46	BK BJ	BN BK	BJ	BN BK
MS24586-229	MS24586-729	MS24586-1229	MS24586-C229	1	1.00	53.98	16.0	2.32	00.00	0.20	100.84	1.40	BJ	BL	BJ	BL
MS24586-230	MS24586-730	MS24586-1230	MS24586-C230	1		57.15	18.0				109.73	1.13	BJ	BL	BJ	BL
MS24586-231	MS24586-731	MS24586-1231	MS24586-C231	1		60.33	20.0				118.87	1.02	BJ	BL	BJ	BL
MS24586-232	MS24586-732	MS24586-1232	MS24586-C232			63.50	22.0				127.76	0.93	BJ	BL	BJ	BL
MS24586-233	MS24586-733	MS24586-1233	MS24586-C233			69.85	26.0				145.80	0.78	BJ	BM	BJ	BM
MS24586-234	MS24586-734	MS24586-1234	MS24586-C234			76.20	30.0				163.83	0.68	BK	BN	BK	BN
MS24586-235	MS24586-735	MS24586-1235	MS24586-C235			82.55	34.0				181.86	0.60	BK	BN	BK	
MS24586-236	MS24586-736	MS24586-1236	MS24586-C236	-		88.90	38.0				199.90	0.54	BK	BN	BK	
MS24586-237	MS24586-737	MS24586-1237	MS24586-C237	-		95.25	42.0				217.93	0.49	BK	BQ	BK	
MS24586-238	MS24586-738	MS24586-1238	MS24586-C238	-		101.60	46.0				235.97	0.44	BK	BQ	BK	
MS24586-239	MS24586-739	MS24586-1239	MS24586-C239	-		107.95	50.0				254.00	0.41	BL	BQ	BL	BQ
MS24586-240	MS24586-740	MS24586-1240	MS24586-C240			114.30	54.0				272.03	0.38	BL	BQ	BL	BQ



MUSIC WIRE		OD	WD	LENGTH	COILS	PER COIL	LOAD	TENSION	EXT	RATE		PRICE		
(U) (C) (Z)		ММ												_
MS24586-241 MS24586-741	(S)		MM	MM		ММ	N	N	MM	N/MM	U	C	Z	S
	MS24586-C241	19.05	1.40	50.80	12.0	5.00	39.14	3.56	110.74	0.59	BJ	BL		BJ
MS24586-242 MS24586-742	MS24586-C242			53.98	14.5				126.49	0.49	BK	BM		BK
MS24586-243 MS24586-743	MS24586-C243			57.15	16.5				127.00	0.43	BK	BM		BK
MS24586-244 MS24586-744	MS24586-C244	4		60.33	19.0				157.23	0.37	BK	BN		BN
MS24586-245 MS24586-745 MS24586-246 MS24586-746	MS24586-C245	-		63.50	21.0				168.66	0.34	BK	BN		BN
MS24586-246 MS24586-746 MS24586-247 MS24586-747	MS24586-C246 MS24586-C247	-		69.85 76.20	25.5 30.0				197.36 226.31	0.28	BK BK	BN		BN
MS24586-248 MS24586-748	MS24586-C248	1		82.55	35.0				257.81	0.24	BL	BQ		BQ
MS24586-249 MS24586-749	MS24586-C249	1		88.90	39.5				286.51	0.18	BL	BQ		BQ
MS24586-250 MS24586-750 MS24586-1			1.60	50.80	11.0	4.09	56.94	5.34	95.76	1.15	BJ	BL	BJ	BL
MS24586-251 MS24586-751 MS24586-1	251 MS24586-C251			53.98	13.0				107.19	0.97	BJ	BM	BJ	ВМ
MS24586-252 MS24586-752 MS24586-1	252 MS24586-C252			57.15	15.0				118.62	0.84	BJ	BM	BJ	BM
MS24586-253 MS24586-753 MS24586-1	253 MS24586-C253			60.33	17.0				129.79	0.74	BJ	BN	BJ	BN
MS24586-254 MS24586-754 MS24586-1				63.50	19.0				141.22	0.66	BJ	BN	BJ	BN
MS24586-255 MS24586-755 MS24586-1				69.85	22.0				159.77	0.57	BK	BN	BK	BN
MS24586-256 MS24586-756 MS24586-1		4		76.20	27.0				186.69	0.47	BK	BN	BK	BN
MS24586-257 MS24586-757 MS24586-1	_	-		82.55	30.5				207.26	0.41	BK	BQ	BK	BQ
MS24586-258 MS24586-758 MS24586-1	_	-		88.90	34.5				229.87	0.37	BK	BQ	BK BL	BQ
MS24586-259 MS24586-759 MS24586-1 MS24586-260 MS24586-760 MS24586-1		-		95.25 101.60	38.5 42.5				252.73 275.34	0.33	BL BL	BQ	BL	BQ
MS24586-261 MS24586-761 MS24586-1		-		107.95	46.5				298.20	0.30	BM	BT	BM	BT
MS24586-262 MS24586-762 MS24586-1		1		114.30	50.5				320.80	0.25	BM	BU	BM	BU
MS24586-263 MS24586-763 MS24586-1	_	1		120.65	54.5				343.66	0.23	BN	BW	BN	BW
MS24586-264 MS24586-764 MS24586-1	_	1		127.00	58.5				366.27	0.22	BN	BW	BN	BW
MS24586-265 MS24586-765 MS24586-1	_		1.91	50.80	9.5	3.09	92.08	8.45	80.26	2.85	BJ	BL	BJ	BL
MS24586-266 MS24586-766 MS24586-1	266 MS24586-C266	1		53.98	11.5				92.20	2.35	BJ	BL	BJ	BL
MS24586-267 MS24586-767 MS24586-1	267 MS24586-C267			57.15	13.0				97.28	2.08	BJ	BN	BJ	BN
MS24586-268 MS24586-768 MS24586-1	268 MS24586-C268			60.33	14.5				105.16	1.87	BK	BN	BK	BN
MS24586-269 MS24586-769 MS24586-1	269 MS24586-C269			63.50	16.5				114.55	1.64	BK	BN	BK	BN
MS24586-270 MS24586-770 MS24586-1	270 MS24586-C270			69.85	19.5				130.30	1.39	BK	BN	BK	BN
MS24586-271 MS24586-771 MS24586-1		4		76.20	23.0				147.32	1.18	BK	BQ	BK	BQ
MS24586-272 MS24586-772 MS24586-1		4		82.55	26.5				164.59	1.02	BK	BS	BK	BS
MS24586-273 MS24586-173 MS24586-1		-		88.90	29.5				180.09	0.92	BL	BS	BL	BS
MS24586-274 MS24586-774 MS24586-1		-		95.25	33.0				197.36	0.82	BL	BT	BL	BT
MS24586-275 MS24586-775 MS24586-1 MS24586-276 MS24586-776 MS24586-1		-		101.60 107.95	36.5 39.5				214.63 230.12	0.74 0.68	BM BM	BU	BM BM	BU
MS24586-276 MS24586-776 MS24586-1 MS24586-277 MS24586-777 MS24586-1				114.30	43.0				247.40	0.63	BM	BW	BM	BW
MS24586-278 MS24586-778 MS24586-1		1		120.65	46.5				264.41	0.58	BN	BW	BN	_
MS24586-279 MS24586-779 MS24586-1		1		127.00	49.5				280.16	0.55	BN	BW	BN	BW
MS24586-280 MS24586-780	MS24586-C280	21.59	1.40	50.80	8.5	6.64	34.70	3.11	107.19	0.56	BM	BT	5.1	BT
MS24586-281 MS24586-781	MS24586-C281			53.98	10.5				123.70	0.45	ВМ	ВТ		ВТ
MS24586-282 MS24586-782	MS24586-C282			57.15	13.0				143.51	0.37	ВМ	ВТ		ВТ
MS24586-283 MS24586-783	MS24586-C283			60.33	15.0				159.77	0.32	BM	ВТ		ВТ
MS24586-284 MS24586-784	MS24586-C284			63.50	17.5				179.58	0.27	BM	ВТ		ВТ
MS24586-285 MS24586-785	MS24586-C285	4		69.85	22.0				215.90	0.22	BM	ВТ		ВТ
MS24586-286 MS24586-786	MS24586-C286	4	1.60	53.98	9.5	5.81	50.26	4.45	109.22	0.83	BM	BU		BU
MS24586-287 MS24586-787	MS24586-C287	-		57.15	11.5				123.95	0.69	BM	BU		BU
MS24586-288 MS24586-788	MS24586-C288	-		60.33	13.5				138.68	0.58	BM	BU		BU
MS24586-289 MS24586-789	MS24586-C289	-		63.50	15.5				153.42	0.51	BM	BU		BU
MS24586-290 MS24586-790 MS24586-291 MS24586-791	MS24586-C290 MS24586-C291	-		69.85 76.20	19.5 23.5				183.13 212.60	0.40	BM BN	BU		BU
MS24586-292 MS24586-792	MS24586-C291	1		82.55	27.5				242.32	0.34	BN	BW		BW
MS24586-293 MS24586-793	MS24586-C293	1		88.90	31.5				271.78	0.25	BN	BW		BW
MS24586-294 MS24586-794	MS24586-C294	1	1.91	57.15	10.5	4.17	81.85	7.56	100.84	1.70	BN	BW		BW
MS24586-295 MS24586-795	MS24586-C295	1		60.33	12.0				135.64	1.49	BN	BW		BW
MS24586-296 MS24586-796	MS24586-C296	1		63.50	13.5				119.63	1.32	BN	BW		BW
	MS24586-C297	1		69.85	17.0				140.72	1.05	BN	BW		BW
MS24586-297 MS24586-797														
MS24586-297 MS24586-797 MS24586-298 MS24586-798	MS24586-C298			76.20	20.5				161.54	0.87	BN	BW		BW
				76.20 82.55	20.5 23.5				161.54 180.34	0.87 0.76	BN BN	BW BW		BW



	LEE STOC	K NUMBER						DEEL FOTION	MAY	INIT	MAY					
	MUSIC WIRE	I HOMBEN	STAINLESS STEEL	OD	WD	FREE Length	ACTIVE COILS	DEFLECTION PER COIL	MAX LOAD	INIT TENSION	MAX EXT	RATE		PRICE	GROUP	,
UNPLATED (U)	CAD. PLATE (C)	ZINC PLATE (Z)	PASSIVATED (S)	ММ	ММ	ММ		ММ	N	N	ММ	N/MM	U	C	Z	S
MS24586-301	MS24586-801	.,,	MS24586-C301	21.59	1.91	95.25	30.5	4.17	81.85	7.56	222.25	0.58	BN	BW		BW
MS24586-302	MS24586-802		MS24586-C302	1		101.60	33.0				241.05	0.53	BN	BW		BW
MS24586-303	MS24586-803		MS24586-C303			107.95	37.0				262.13	0.48	BN	ВХ		ВХ
MS24586-304	MS24586-804		MS24586-C304			114.30	40.5				282.96	0.44	BN	ВХ		ВХ
MS24586-305	MS24586-805		MS24586-C305			120.65	43.5				301.75	0.41	BN	ВХ		BX
MS24586-306	MS24586-806		MS24586-C306			127.00	47.0				322.83	0.38	BN	ВХ		ВХ
MS24586-307	MS24586-807		MS24586-C307		2.16	57.15	9.5	3.41	115.21	10.68	89.41	3.35	BN	BW		BW
MS24586-308	MS24586-808		MS24586-C308			60.33	11.0				97.79	2.78	BN	BW		BW
MS24586-309	MS24586-809		MS24586-C309			63.50	12.5				106.17	2.45	BN	BW		BW
MS24586-310	MS24586-810		MS24586-C310			69.85	15.5				122.68	1.98	BN	BW		BW
MS24586-311	MS24586-811		MS24586-C311			76.20	18.5				139.45	1.66	BN	BW	ł '	BW
MS24586-312	MS24586-812		MS24586-C312			82.55	21.5				155.96	1.42	BN	BX		BX
MS24586-313 MS24586-314	MS24586-813 MS24586-814		MS24586-C313 MS24586-C314			88.90 95.25	24.0 27.0				170.94 187.45	1.13	BN BN	BX BX	1	BX
MS24586-315	MS24586-815		MS24586-C315			101.60	30.0				203.96	1.02	BN	BX		BX
MS24586-316	MS24586-816		MS24586-C316			107.95	33.0				220.47	0.93	BN	BX		BX
MS24586-317	MS24586-817		MS24586-C317			114.30	36.0				237.24	0.85	BN	BX		BX
MS24586-318	MS24586-818		MS24586-C318			120.65	39.0				253.75	0.78	BN	BX		BX
MS24586-319	MS24586-819		MS24586-C319			127.00	42.0				270.26	0.73	BN	BX		BX
MS24586-320	MS24586-820	MS24586-1320	MS24586-C320	25.40	1.60	63.50	11.0	7.87	43.15	4.00	150.11	0.45	BN	BW	BN	BW
MS24586-321	MS24586-821	MS24586-1321	MS24586-C321			69.85	15.0				187.96	0.33	BN	BW	BN	BW
MS24586-322	MS24586-822	MS24586-1322	MS24586-C322			76.20	19.0				225.81	0.26	BN	BW	BN	BW
MS24586-323	MS24586-823	MS24586-1323	MS24586-C323	1		82.55	23.0				263.65	0.22	BN	BW	BN	BW
MS24586-324	MS24586-824	MS24586-1324	MS24586-C324		1.91	63.50	9.5	6.06	69.84	6.23	121.16	1.11	BN	BW	BN	BW
MS24586-325	MS24586-825	MS24586-1325	MS24586-C325			69.85	13.0				148.59	0.81	BN	BW	BN	BW
MS24586-326	MS24586-826	MS24586-1326	MS24586-C326			76.20	16.5				176.28	0.64	BN	BW	BN	BW
MS24586-327	MS24586-827	MS24586-1327	MS24586-C327			82.55	19.5				200.91	0.54	BN	ВХ	BN	ВХ
MS24586-328	MS24586-828	MS24586-1328	MS24586-C328			88.90	23.0				228.35	0.46	BN	ВХ	BN	ВХ
MS24586-329	MS24586-829	MS24586-1329	MS24586-C329			95.25	26.5				255.78	0.40	BN	ВХ	BN	BX
MS24586-330	MS24586-830	MS24586-1330	MS24586-C330			101.60	29.5				280.42	0.36	BN	ВХ	BN	BX
MS24586-331	MS24586-831	MS24586-1331	MS24586-C331			107.95	33.0				308.10	0.32	BN	BZ	BN	BZ
MS24586-332	MS24586-832	MS24586-1332	MS24586-C332			114.30	36.5				335.53	0.29	BN	BZ	BN	BZ
MS24586-333	MS24586-833	MS24586-1333	MS24586-C333			120.65	39.5				360.17	0.27	BN	BZ	BN	BZ
MS24586-334	MS24586-834	MS24586-1334	MS24586-C334		0.40	127.00	43.0	F 04	00.75	0.00	387.60	0.24	BN	BZ	BN	BZ
MS24586-335	MS24586-835 MS24586-836		MS24586-C335 MS24586-C336		2.16	69.85 76.20	12.0 15.0	5.01	98.75	8.90	130.05 151.38	1.49 1.19	BN BN	BX BX		BX
MS24586-336 MS24586-337			MS24586-C337			82.55	18.0				172.72	1.19		BX		BX
MS24586-338	MS24586-837 MS24586-838		MS24586-C338	-		88.90	20.5				191.77	0.87	BN BN	BX		BX
MS24586-339	MS24586-839		MS24586-C339			95.25	23.5				213.11	0.76	BN	BX		BX
MS24586-340	MS24586-840		MS24586-C340			101.60	26.5				234.44	0.68	BN	BX		BX
MS24586-341	MS24586-841		MS24586-C341			107.95	29.5				255.78	0.61	BQ	BZ		BZ
MS24586-342	MS24586-842		MS24586-C342			114.30	32.5				277.37	0.55	BQ	BZ		BZ
MS24586-343	MS24586-843		MS24586-C343	1		120.65	35.5				298.70	0.50	BQ	BZ		BZ
MS24586-344	MS24586-844		MS24586-C344	1		127.00	38.5				320.04	0.47	BQ	BZ		BZ
MS24586-345	MS24586-845	MS24586-1345	MS24586-C345]	2.41	69.85	11.0	4.21	133.45	12.01	116.08	2.62	BN	ВХ	BN	ВХ
MS24586-346	MS24586-846	MS24586-1346	MS24586-C346			76.20	13.5				133.10	2.14	BN	ВХ	BN	BX
MS24586-347	MS24586-847	MS24586-1347	MS24586-C347			82.55	16.0				149.86	1.80	BN	ВХ	BN	ВХ
MS24586-348	MS24586-848	MS24586-1348	MS24586-C348			88.90	19.0				168.91	1.52	BN	ВХ	BN	BX
MS24586-349	MS24586-849	MS24586-1349	MS24586-C349			95.25	21.5				185.67	1.34	BN	ВХ	BN	BX
MS24586-350	MS24586-850	MS24586-1350	MS24586-C350			101.60	24.0				202.69	1.20	BQ	BZ	BQ	BZ
MS24586-351	MS24586-851	MS24586-1351	MS24586-C351	-		107.95	26.5				219.46	1.09	BQ	BZ	BQ	BZ
MS24586-352	MS24586-852	MS24586-1352	MS24586-C352	-		114.30	29.5				238.51	0.98	BQ	BZ	BQ	
MS24586-353	MS24586-853	MS24586-1353	MS24586-C353	-		120.65	32.0				255.27	0.90	BQ	BZ	BQ	
MS24586-354	MS24586-854	MS24586-1354	MS24586-C354			127.00	34.5				272.29	0.84	BQ	CA	BQ	CA