

BELLEVILLE SPRING WASHERS

Guide to using tables

Outside Diameter
maximum size of outside diameter. If the spring is to be enclosed hole sizes must be greater than this dimension.

Thickness
of the Spring Section

Overall Height Unloaded
of a single spring washer

Lee Stock Number
ordering reference.

BELLEVILLE SPRING WASHERS
● Manufactured from 300 series stainless steel and passivated to ASTM A967

LEE STOCK NUMBER	INSIDE DIAMETER MINIMUM		OUTSIDE DIAMETER MAXIMUM		THICKNESS		OVERALL HEIGHT UNLOADED		CALCULATED LOAD AT FLAT N	PRICE GROUP			
	MM	IN	MM	IN	MM	IN	MM	IN					
093-005-188	2.34	.093	4.78	.188	.13	.005	.36	.014	25	5.7	L		
093-006-188					.15	.006	.38	.015	44	9.8	L		
093-007-188					.18	.007	.36	.014	54	12.2	L		
093-009-188					.23	.009	.36	.014	82	18.4	L		
093-010-188	3.18	.125	6.35	.250	.25	.010	.38	.015	113	25.3	L		
125-010-250					.20	.008	.41	.016	52	11.8	K		
125-013-250					.33	.013	.51	.020	197	44.3	K		
138-010-281					.25	.010	.51	.020	100	22.6	K		
138-013-281	3.51	.138	7.14	.281	.33	.013	.53	.021	176	39.7	K		
138-015-281					.38	.015	.58	.023	271	60.9	K		
148-015-281					.38	.015	.61	.024	318	71.4	K		
156-009-312					.25	.010	.51	.020	82	18.5	K		
156-011-312	3.76	.148	7.14	.281	.28	.011	.55	.022	116	26.1	K		
156-015-312					.38	.015	.58	.023	222	49.9	K		
156-017-312					.43	.017	.64	.025	323	72.6	K		
187-012-375					.30	.012	.61	.024	118	26.5	K		
187-015-375	4.75	.187	9.53	.375	.38	.015	.64	.025	192	43.1	K		
187-017-375					.43	.017	.66	.026	251	56.5	K		
187-020-375					.51	.020	.74	.029	409	92.0	K		
187-022-375					.56	.022	.76	.030	484	108.8	K		
187-030-375	4.75	.187	14.27	.562	.76	.030	.91	.036	921	206.9	K		
187-020-562					.48	.020	.94	.027	207	69.0	K		
187-028-562					.71	.028	1.07	.042	694	156.0	K		
218-020-437					.51	.020	.81	.032	402	90.3	K		
218-023-437	5.54	.218	11.10	.437	.58	.023	.86	.034	560	125.9	K		
218-035-687					.86	.035	1.27	.050	969	217.7	K		
250-017-500					.43	.017	.74	.029	189	42.4	K		
250-018-500					.46	.018	.76	.030	224	50.4	K		
250-020-500	6.35	.250	12.70	.500	.51	.020	.81	.032	307	69.1	K		
250-023-500					.58	.023	.91	.036	506	113.8	K		
250-024-500					.61	.024	.97	.038	620	139.3	K		
250-025-500					.64	.025	.99	.039	700	157.4	K		
250-038-500	.97	.038	1.19	.047	1.581	355.3	K						
250-042-562	6.35	.250	14.27	.562	1.07	.042	1.40	.055	2.314	520.0	K		
250-052-687					1.32	.052	1.75	.069	3.653	820.9	K		
250-025-750					19.05	.750	.64	.025	1.24	.049	476	106.9	L
250-052-750					1.32	.052	1.65	.065	2.319	521.1	L		
250-070-937	7.92	.312	15.88	.625	23.80	.937	1.78	.070	2.54	100	8.316	1,868.9	L
312-024-625					.61	.024	1.02	.040	452	101.8	K		
312-030-625					.76	.030	1.12	.044	774	173.9	K		
312-031-625					.76	.031	1.22	.048	1,037	233.0	K		
312-047-625	11.45	.457	19.05	.937	1.19	.047	1.50	.059	2.551	573.2	N		
317-000-000					.875	.102	1.45						
					.76	.030							

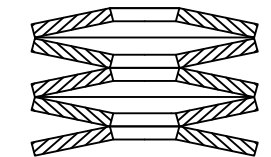
Price Group
reference to the price list

Calculated Load at Flat
load when the spring washer is fully compressed

Inside Diameter
minimum size of hole at centre. Mandrel sizes must be less than this dimension.

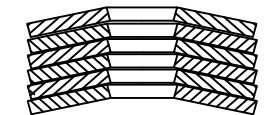
ADDITIONAL INFORMATION

- 1 Our Belleville Spring Washers are manufactured from 300 series stainless steel with passivation finish in accordance with ASTM A967.
- 2 A Belleville Spring Washer is a washer in the form of a cone, having constant material thickness, and used as a compression spring.
- 3 Unlike compression springs Belleville Spring Washers provide exceptionally high loads in restricted spaces.
- 4 Load flexibility can be varied by stacking the washers in various configurations (see below).
- 5 To minimise friction and optimise load ensure stacks of springs are guided over a shaft or in a cylinder.



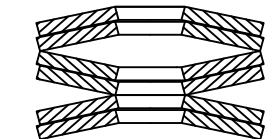
FIVE IN SERIES

Series
Force is equal to that of a single spring washer.
Deflection amounts to that of a single spring washer multiplied by the number used.



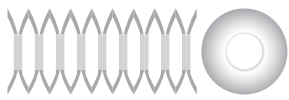
SIX IN PARALLEL

Parallel
Force amounts to that of a single spring washer multiplied by the number of stacked. Deflection is equal to that of a single spring washer.



COMBINATION OF PARALLEL AND SERIES

Combination
Force is equal to that of a single spring multiplied by the number in each parallel series. Deflection is equal to a single spring washer multiplied by the number of series.

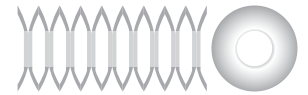


BELLEVILLE SPRING WASHERS

● Manufactured from 300 series stainless steel and passivated to ASTM A967

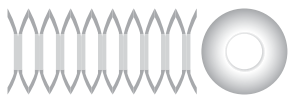
LEE STOCK NUMBER	INSIDE DIAMETER MINIMUM		OUTSIDE DIAMETER MAXIMUM		THICKNESS		OVERALL HEIGHT UNLOADED		CALCULATED LOAD AT FLAT		PRICE GROUP
	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	
093-005-188	2.36	0.093	4.78	0.188	0.13	0.005	0.36	0.014	26	5.7	L
093-006-188	2.36	0.093	4.78	0.188	0.15	0.006	0.38	0.015	44	9.8	L
093-007-188	2.36	0.093	4.78	0.188	0.18	0.007	0.36	0.014	54	12.1	L
093-009-188	2.36	0.093	4.78	0.188	0.23	0.009	0.36	0.014	82	18.4	L
093-010-188	2.36	0.093	4.78	0.188	0.25	0.010	0.38	0.015	113	25.3	L
125-012-236	3.18	0.125	5.99	0.236	0.30	0.012	0.46	0.018	154	34.7	K
125-008-250	3.18	0.125	6.35	0.250	0.20	0.008	0.41	0.016	52	11.8	K
125-013-250	3.18	0.125	6.35	0.250	0.33	0.013	0.51	0.020	197	44.3	K
125-012-394	3.18	0.125	10.01	0.394	0.30	0.012	0.66	0.026	111	24.9	K
125-016-394	3.18	0.125	10.01	0.394	0.41	0.016	0.71	0.028	225	50.6	K
125-020-394	3.18	0.125	10.01	0.394	0.51	0.020	0.76	0.030	367	82.3	K
138-010-281	3.51	0.138	7.14	0.281	0.25	0.010	0.51	0.020	100	22.6	K
138-013-281	3.51	0.138	7.14	0.281	0.33	0.013	0.53	0.021	177	39.7	K
138-015-281	3.51	0.138	7.14	0.281	0.38	0.015	0.58	0.023	271	60.9	K
138-022-437	3.51	0.138	11.10	0.437	0.56	0.022	0.81	0.032	396	89.1	K
148-015-281	3.76	0.148	7.14	0.281	0.38	0.015	0.61	0.024	318	71.4	K
156-009-312	3.96	0.156	7.92	0.312	0.23	0.009	0.51	0.020	66	14.8	K
156-010-312	3.96	0.156	7.92	0.312	0.25	0.010	0.51	0.020	82	18.5	K
156-011-312	3.96	0.156	7.92	0.312	0.28	0.011	0.56	0.022	121	27.1	K
156-015-312	3.96	0.156	7.92	0.312	0.38	0.015	0.58	0.023	222	49.9	K
156-017-312	3.96	0.156	7.92	0.312	0.43	0.017	0.61	0.024	283	63.6	K
165-013-343	4.19	0.165	8.71	0.343	0.33	0.013	0.61	0.024	161	36.2	K
165-016-343	4.19	0.165	8.71	0.343	0.41	0.016	0.66	0.026	273	61.4	K
165-018-343	4.19	0.165	8.71	0.343	0.46	0.018	0.71	0.028	388	87.4	K
165-016-394	4.19	0.165	10.01	0.394	0.41	0.016	0.71	0.028	235	52.9	K
165-020-394	4.19	0.165	10.01	0.394	0.51	0.020	0.76	0.030	384	86.1	K
165-016-472	4.19	0.165	11.99	0.472	0.41	0.016	0.79	0.031	198	44.5	K
165-020-472	4.19	0.165	11.99	0.472	0.51	0.020	0.84	0.033	335	75.2	K
165-024-472	4.19	0.165	11.99	0.472	0.61	0.024	0.99	0.039	667	150.0	K
187-012-375	4.75	0.187	9.53	0.375	0.30	0.012	0.61	0.024	118	26.5	K
187-015-375	4.75	0.187	9.53	0.375	0.38	0.015	0.64	0.025	192	43.1	K
187-017-375	4.75	0.187	9.53	0.375	0.43	0.017	0.66	0.026	251	56.5	K
187-020-375	4.75	0.187	9.53	0.375	0.51	0.020	0.74	0.029	409	92.0	K
187-022-375	4.75	0.187	9.53	0.375	0.56	0.022	0.76	0.030	485	108.8	K
187-030-375	4.75	0.187	9.53	0.375	0.76	0.030	0.91	0.036	921	206.9	K
187-020-562	4.75	0.187	14.27	0.562	0.51	0.020	0.94	0.037	307	69.0	K
187-028-562	4.75	0.187	14.27	0.562	0.71	0.028	1.07	0.042	695	156.0	K
205-010-394	5.21	0.205	10.01	0.394	0.25	0.010	0.56	0.022	64	14.2	K
205-016-394	5.21	0.205	10.01	0.394	0.41	0.016	0.71	0.028	260	58.3	K
205-020-394	5.21	0.205	10.01	0.394	0.51	0.020	0.76	0.030	423	94.9	K
205-020-472	5.21	0.205	11.99	0.472	0.51	0.020	0.89	0.035	405	91.1	K
205-024-472	5.21	0.205	11.99	0.472	0.61	0.024	0.94	0.037	607	136.4	K
205-024-591	5.21	0.205	15.01	0.591	0.61	0.024	1.04	0.041	482	108.3	K
218-016-437	5.54	0.218	11.10	0.437	0.41	0.016	0.79	0.031	257	57.8	K
218-020-437	5.54	0.218	11.10	0.437	0.51	0.020	0.81	0.032	402	90.3	K
218-023-437	5.54	0.218	11.10	0.437	0.58	0.023	0.86	0.034	560	125.9	K
218-035-687	5.54	0.218	17.45	0.687	0.89	0.035	1.27	0.050	969	217.7	K
250-024-472	6.20	0.250	11.99	0.472	0.61	0.024	0.94	0.037	669	150.4	K
250-017-500	6.35	0.250	12.70	0.500	0.43	0.017	0.74	0.029	188	42.4	K
250-018-500	6.35	0.250	12.70	0.500	0.46	0.018	0.76	0.030	224	50.4	K
250-020-500	6.35	0.250	12.70	0.500	0.51	0.020	0.81	0.032	307	69.1	K
250-023-500	6.35	0.250	12.70	0.500	0.58	0.023	0.91	0.036	506	113.8	K
250-024-500	6.35	0.250	12.70	0.500	0.61	0.024	0.97	0.038	620	139.3	K
250-025-500	6.35	0.250	12.70	0.500	0.64	0.025	0.99	0.039	700	157.4	K
250-038-500	6.35	0.250	12.70	0.500	0.97	0.038	1.19	0.047	1,581	355.3	K
250-042-562	6.35	0.250	14.27	0.562	1.07	0.042	1.40	0.055	2,314	520.0	K
250-020-591	6.35	0.250	15.01	0.591	0.51	0.020	0.99	0.039	325	73.0	K
250-024-591	6.35	0.250	15.01	0.591	0.61	0.024	1.04	0.041	502	112.8	K
250-028-591	6.35	0.250	15.01	0.591	0.71	0.028	1.09	0.043	703	158.1	K

BELLEVILLE SPRING WASHERS



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LEE STOCK NUMBER	INSIDE DIAMETER MINIMUM		OUTSIDE DIAMETER MAXIMUM		THICKNESS		OVERALL HEIGHT UNLOADED		CALCULATED LOAD AT FLAT		PRICE GROUP
	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	
250-032-637	6.35	0.250	16.18	0.637	0.81	0.032	1.22	0.048	946	212.4	L
250-052-687	6.35	0.250	17.45	0.687	1.32	0.052	1.75	0.069	3,653	820.9	K
250-025-750	6.35	0.250	19.05	0.750	0.64	0.025	1.24	0.049	476	106.9	L
250-036-750	6.35	0.250	19.05	0.750	0.91	0.036	1.37	0.054	1,065	239.4	L
250-052-750	6.35	0.250	19.05	0.750	1.32	0.052	1.65	0.065	2,319	521.1	L
250-061-812	6.35	0.250	20.62	0.812	1.55	0.061	2.13	0.084	5,621	1263.3	L
250-050-875	6.35	0.250	22.23	0.875	1.27	0.050	1.68	0.066	1,852	416.1	L
250-075-875	6.35	0.250	22.23	0.875	1.91	0.075	2.18	0.086	4,297	965.6	L
250-070-937	6.35	0.250	23.80	0.937	1.78	0.070	2.54	0.100	8,316	1868.8	L
283-014-551	7.19	0.283	14.00	0.551	0.36	0.014	0.79	0.031	125	28.1	K
283-020-551	7.19	0.283	14.00	0.551	0.51	0.020	0.89	0.035	322	72.2	K
283-031-551	7.19	0.283	14.00	0.551	0.79	0.031	1.09	0.043	957	215.2	K
283-050-875	7.19	0.283	22.23	0.875	1.27	0.050	1.68	0.066	1,860	417.9	M
283-075-875	7.19	0.283	22.23	0.875	1.91	0.075	2.18	0.086	4,314	969.7	P
312-024-625	7.92	0.312	15.88	0.625	0.61	0.024	1.02	0.040	453	101.8	K
312-030-625	7.92	0.312	15.88	0.625	0.76	0.030	1.12	0.044	774	173.9	K
312-031-625	7.92	0.312	15.88	0.625	0.79	0.031	1.22	0.048	1,037	233.0	K
312-047-625	7.92	0.312	15.88	0.625	1.19	0.047	1.50	0.059	2,551	573.2	N
312-052-687	7.92	0.312	17.45	0.687	1.32	0.052	1.73	0.068	3,645	819.3	N
312-040-875	7.92	0.312	22.23	0.875	1.02	0.040	1.45	0.057	1,022	229.6	N
312-030-937	7.92	0.312	23.80	0.937	0.76	0.030	1.52	0.060	658	147.9	P
312-045-937	7.92	0.312	23.80	0.937	1.14	0.045	1.70	0.067	1,629	366.2	P
312-070-937	7.92	0.312	23.80	0.937	1.78	0.070	2.39	0.094	6,690	1503.5	P
312-080-1000	7.92	0.312	25.40	1.000	2.03	0.080	2.82	0.111	11,275	2533.9	Q
323-020-709	8.20	0.323	18.01	0.709	0.51	0.020	1.09	0.043	281	63.0	K
323-028-709	8.20	0.323	18.01	0.709	0.71	0.028	1.24	0.049	702	157.8	L
323-031-709	8.20	0.323	18.01	0.709	0.79	0.031	1.30	0.051	907	204.0	L
323-039-709	8.20	0.323	18.01	0.709	0.99	0.039	1.40	0.055	1,446	324.9	L
323-028-787	8.20	0.323	19.99	0.787	0.71	0.028	1.35	0.053	655	147.3	M
323-035-787	8.20	0.323	19.99	0.787	0.89	0.035	1.45	0.057	1,126	253.1	M
323-028-906	8.20	0.323	23.01	0.906	0.71	0.028	1.50	0.059	596	134.0	M
323-035-906	8.20	0.323	23.01	0.906	0.89	0.035	1.60	0.063	1,052	236.3	M
344-090-1000	8.74	0.344	25.40	1.000	2.29	0.090	2.59	0.102	6,263	1407.4	P
344-062-1125	8.74	0.344	28.58	1.125	1.57	0.062	2.11	0.083	2,807	630.8	P
375-028-750	9.53	0.375	19.05	0.750	0.71	0.028	1.07	0.042	438	98.3	L
375-030-750	9.53	0.375	19.05	0.750	0.76	0.030	1.12	0.044	538	120.9	L
375-035-750	9.53	0.375	19.05	0.750	0.89	0.035	1.40	0.055	1,220	274.2	L
375-038-750	9.53	0.375	19.05	0.750	0.97	0.038	1.22	0.048	781	175.5	L
375-040-750	9.53	0.375	19.05	0.750	1.02	0.040	1.50	0.059	1,730	388.9	L
375-042-750	9.53	0.375	19.05	0.750	1.07	0.042	1.32	0.052	1,055	236.9	L
375-044-750	9.53	0.375	19.05	0.750	1.12	0.044	1.37	0.054	1,213	272.4	L
375-057-750	9.53	0.375	19.05	0.750	1.45	0.057	1.78	0.070	3,426	769.9	N
375-062-750	9.53	0.375	19.05	0.750	1.57	0.062	1.98	0.078	5,426	1219.4	N
375-076-750	9.53	0.375	19.05	0.750	1.93	0.076	2.74	0.108	19,989	4492.1	M
375-047-950	9.53	0.375	24.13	0.950	1.19	0.047	1.73	0.068	1,770	397.7	M
375-042-970	9.53	0.375	24.64	0.970	1.07	0.042	1.45	0.057	861	193.6	M
375-080-1000	9.53	0.375	25.40	1.000	2.03	0.080	2.77	0.109	10,763	2418.8	N
375-053-1125	9.53	0.375	28.58	1.125	1.35	0.053	2.03	0.080	2,266	509.3	M
375-078-1125	9.53	0.375	28.58	1.125	1.98	0.078	2.46	0.097	5,084	1142.5	N
375-089-1188	9.53	0.375	30.18	1.188	2.26	0.089	3.07	0.121	11,362	2553.3	P
406-062-875	10.31	0.406	22.23	0.875	1.57	0.062	1.88	0.074	2,882	647.7	M
406-089-875	10.31	0.406	22.23	0.875	2.26	0.089	2.54	0.100	7,815	1756.3	M
406-109-875	10.31	0.406	22.23	0.875	2.77	0.109	3.15	0.124	19,577	4399.6	N
406-062-1000	10.31	0.406	25.40	1.000	1.57	0.062	2.34	0.092	5,273	1185.1	N
406-105-1000	10.31	0.406	25.40	1.000	2.67	0.105	3.00	0.118	11,099	2494.3	P
406-098-1188	10.31	0.406	30.18	1.188	2.49	0.098	3.02	0.119	10,018	2251.4	P
406-105-1188	10.31	0.406	30.18	1.188	2.67	0.105	3.18	0.125	11,735	2637.3	P
406-074-1250	10.31	0.406	31.75	1.250	1.88	0.074	2.49	0.098	4,432	996.1	P
437-031-875	11.10	0.437	22.23	0.875	0.79	0.031	1.50	0.059	871	195.9	L
437-042-875	11.10	0.437	22.23	0.875	1.07	0.042	1.57	0.062	1,548	347.9	L
437-059-875	11.10	0.437	22.23	0.875	1.50	0.059	2.11	0.083	5,150	1157.3	L

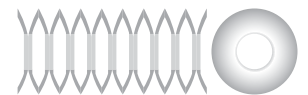


BELLEVILLE SPRING WASHERS

● Manufactured from 300 series stainless steel and passivated to ASTM A967

LEE STOCK NUMBER	INSIDE DIAMETER MINIMUM		OUTSIDE DIAMETER MAXIMUM		THICKNESS		OVERALL HEIGHT UNLOADED		CALCULATED LOAD AT FLAT		PRICE GROUP
	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	
437-035-1000	11.10	0.437	25.40	1.000	0.89	0.035	1.70	0.067	1,034	232.5	L
437-040-1000	11.10	0.437	25.40	1.000	1.02	0.040	1.80	0.071	1,496	336.2	L
437-050-1000	11.10	0.437	25.40	1.000	1.27	0.050	2.16	0.085	3,298	741.3	N
437-080-1000	11.10	0.437	25.40	1.000	2.03	0.080	2.69	0.106	10,037	2255.6	N
480-049-906	12.19	0.480	23.01	0.906	1.24	0.049	1.85	0.073	2,854	641.2	L
480-028-984	12.19	0.480	24.99	0.984	0.71	0.028	1.60	0.063	627	140.9	L
480-049-984	12.19	0.480	24.99	0.984	1.24	0.049	1.96	0.077	2,688	604.0	L
480-059-1240	12.19	0.480	31.50	1.240	1.50	0.059	2.36	0.093	3,313	744.4	M
500-042-830	12.70	0.500	21.08	0.830	1.07	0.042	1.70	0.067	2,489	559.3	L
500-089-928	12.70	0.500	23.57	0.928	2.26	0.089	2.72	0.107	12,367	2779.3	L
500-033-1000	12.70	0.500	25.40	1.000	0.84	0.033	1.32	0.052	546	122.8	L
500-035-1000	12.70	0.500	25.40	1.000	0.89	0.035	1.45	0.057	755	169.7	L
500-045-1000	12.70	0.500	25.40	1.000	1.14	0.045	1.55	0.061	1,167	262.3	N
500-050-1000	12.70	0.500	25.40	1.000	1.27	0.050	1.91	0.075	2,502	562.1	N
500-073-1000	12.70	0.500	25.40	1.000	1.85	0.073	2.31	0.091	5,604	1259.6	P
500-080-1000	12.70	0.500	25.40	1.000	2.03	0.080	2.62	0.103	9,425	2118.3	P
500-100-1063	12.70	0.500	27.00	1.063	2.54	0.100	2.95	0.116	10,991	2470.1	N
500-039-1100	12.70	0.500	27.94	1.100	0.99	0.039	1.88	0.074	1,313	295.0	N
500-049-1100	12.70	0.500	27.94	1.100	1.24	0.049	2.11	0.083	2,529	568.4	N
500-059-1100	12.70	0.500	27.94	1.100	1.50	0.059	2.21	0.087	3,636	817.1	N
500-062-1125	12.70	0.500	28.58	1.125	1.57	0.062	2.11	0.083	3,000	674.1	N
500-125-1125	12.70	0.500	28.58	1.125	3.18	0.125	3.68	0.145	23,411	5261.1	N
500-060-1262	12.70	0.500	32.05	1.262	1.52	0.060	2.31	0.091	3,082	692.7	N
500-098-1312	12.70	0.500	33.32	1.312	2.49	0.098	3.33	0.131	13,119	2948.3	N
500-104-1312	12.70	0.500	33.32	1.312	2.64	0.104	3.66	0.144	19,005	4271.1	N
500-112-1312	12.70	0.500	33.32	1.312	2.84	0.112	3.58	0.141	17,210	3867.5	N
500-030-1375	12.70	0.500	34.93	1.375	0.76	0.030	1.68	0.066	371	83.3	P
500-032-1375	12.70	0.500	34.93	1.375	0.81	0.032	1.78	0.070	475	106.7	P
500-087-1375	12.70	0.500	34.93	1.375	2.21	0.087	3.12	0.123	9,043	2032.1	P
500-047-1500	12.70	0.500	38.10	1.500	1.19	0.047	2.36	0.093	1,515	340.4	R
500-070-1500	12.70	0.500	38.10	1.500	1.78	0.070	2.64	0.104	3,698	831.2	R
500-080-1500	12.70	0.500	38.10	1.500	2.03	0.080	2.49	0.098	2,923	656.9	R
500-102-1500	12.70	0.500	38.10	1.500	2.59	0.102	3.25	0.128	8,751	1966.6	S
500-140-1625	12.70	0.500	41.28	1.625	3.56	0.140	4.27	0.168	20,656	4642.2	T
531-062-1000	13.49	0.531	25.40	1.000	1.57	0.062	2.16	0.085	4,554	1023.4	R
531-090-1063	13.49	0.531	27.00	1.063	2.29	0.090	2.69	0.106	8,258	1855.8	R
531-062-1125	13.49	0.531	28.58	1.125	1.57	0.062	2.11	0.083	3,074	690.9	S
531-074-1218	13.49	0.531	30.94	1.218	1.88	0.074	2.64	0.104	6,173	1387.3	S
531-062-1250	13.49	0.531	31.75	1.250	1.57	0.062	2.34	0.092	3,419	768.2	S
531-078-1250	13.49	0.531	31.75	1.250	1.98	0.078	2.62	0.103	5,672	1274.7	S
531-090-1250	13.49	0.531	31.75	1.250	2.29	0.090	2.90	0.114	8,365	1879.8	T
531-125-1250	13.49	0.531	31.75	1.250	3.18	0.125	3.63	0.143	16,808	3777.3	T
531-100-1375	13.49	0.531	34.93	1.375	2.54	0.100	3.05	0.120	7,712	1733.1	T
531-095-1500	13.49	0.531	38.10	1.500	2.41	0.095	3.18	0.125	8,212	1845.6	T
562-038-1125	14.27	0.562	28.58	1.125	0.97	0.038	1.85	0.073	1,214	272.8	N
562-057-1125	14.27	0.562	28.58	1.125	1.45	0.057	2.13	0.084	3,161	710.3	P
562-105-1625	14.27	0.562	41.28	1.625	2.67	0.105	3.43	0.135	9,421	2117.1	T
593-089-1188	15.06	0.593	30.18	1.188	2.26	0.089	2.92	0.115	10,385	2333.9	T
625-050-1125	15.88	0.625	28.58	1.125	1.27	0.050	1.73	0.068	1,527	343.2	S
625-040-1250	15.88	0.625	31.75	1.250	1.02	0.040	2.08	0.082	1,377	309.5	S
625-062-1250	15.88	0.625	31.75	1.250	1.57	0.062	2.34	0.092	3,663	823.1	S
625-089-1250	15.88	0.625	31.75	1.250	2.26	0.089	2.82	0.111	7,945	1785.5	S
625-050-1375	15.88	0.625	34.93	1.375	1.27	0.050	2.41	0.095	2,276	511.5	S
625-062-1375	15.88	0.625	34.93	1.375	1.57	0.062	2.79	0.110	4,629	1040.3	S
625-078-1375	15.88	0.625	34.93	1.375	1.98	0.078	2.54	0.100	4,224	949.4	S
625-112-1500	15.88	0.625	38.10	1.500	2.84	0.112	3.76	0.148	16,696	3752.1	U

BELLEVILLE SPRING WASHERS



● Manufactured from 300 series stainless steel and passivated to ASTM A967

LEE STOCK NUMBER	INSIDE DIAMETER MINIMUM		OUTSIDE DIAMETER MAXIMUM		THICKNESS		OVERALL HEIGHT UNLOADED		CALCULATED LOAD AT FLAT		PRICE GROUP
	MM	IN	MM	IN	MM	IN	MM	IN	N	LB	
625-062-1625	15.88	0.625	41.28	1.625	1.57	0.062	2.13	0.084	1,446	325.0	U
625-140-1625	15.88	0.625	41.28	1.625	3.56	0.140	4.27	0.168	21,194	4762.9	U
625-057-1875	15.88	0.625	47.63	1.875	1.45	0.057	2.92	0.115	2,180	490.0	U
625-086-1875	15.88	0.625	47.63	1.875	2.18	0.086	3.28	0.129	5,551	1247.6	V
625-127-1875	15.88	0.625	47.63	1.875	3.23	0.127	4.01	0.158	12,889	2896.6	W
656-098-1312	16.66	0.656	33.32	1.312	2.49	0.098	3.20	0.126	12,255	2753.9	S
656-085-1625	16.66	0.656	41.28	1.625	2.16	0.085	2.67	0.105	3,426	769.8	U
656-140-1750	16.66	0.656	44.45	1.750	3.56	0.140	4.65	0.183	27,926	6275.9	W
656-150-2000	16.66	0.656	50.80	2.000	3.81	0.150	5.23	0.206	33,672	7567.2	Y
692-156-1250	17.58	0.692	31.75	1.250	3.96	0.156	4.39	0.173	35,384	7951.8	Y
692-044-1375	17.58	0.692	34.93	1.375	1.12	0.044	2.24	0.088	1,592	357.9	Y
692-067-1375	17.58	0.692	34.93	1.375	1.70	0.067	2.57	0.101	4,345	976.5	Y
692-140-1375	17.58	0.692	34.93	1.375	3.56	0.140	4.83	0.190	58,299	13101.7	Z
692-125-2000	17.58	0.692	50.80	2.000	3.18	0.125	4.09	0.161	12,592	2829.8	BA
692-187-2375	17.58	0.692	60.33	2.375	4.75	0.187	5.77	0.227	32,875	7388.1	BA
750-040-1500	19.05	0.750	38.10	1.500	1.02	0.040	1.73	0.068	638	143.3	U
750-045-1500	19.05	0.750	38.10	1.500	1.14	0.045	2.36	0.093	1,556	349.7	U
750-060-1500	19.05	0.750	38.10	1.500	1.52	0.060	2.72	0.107	3,611	811.6	U
750-072-1500	19.05	0.750	38.10	1.500	1.83	0.072	2.77	0.109	4,913	1104.1	U
750-107-1500	19.05	0.750	38.10	1.500	2.72	0.107	3.40	0.134	11,766	2644.3	V
750-125-1500	19.05	0.750	38.10	1.500	3.18	0.125	4.06	0.160	24,318	5465.1	W
750-150-2000	19.05	0.750	50.80	2.000	3.81	0.150	5.16	0.203	32,415	7284.8	X
750-068-2250	19.05	0.750	57.15	2.250	1.73	0.068	3.48	0.137	3,058	687.3	Z
750-150-2250	19.05	0.750	57.15	2.250	3.81	0.150	4.78	0.188	18,078	4062.7	BA
875-057-1750	22.23	0.875	44.45	1.750	1.45	0.057	2.90	0.114	2,759	620.0	V
875-085-1750	22.23	0.875	44.45	1.750	2.16	0.085	3.25	0.128	6,902	1551.1	W
875-131-1750	22.23	0.875	44.45	1.750	3.33	0.131	4.24	0.167	21,152	4753.6	W
875-150-2000	22.23	0.875	50.80	2.000	3.81	0.150	5.03	0.198	30,547	6865.0	X
1000-049-1969	25.40	1.000	50.01	1.969	1.24	0.049	2.84	0.112	1,544	347.0	V
1000-059-1969	25.40	1.000	50.01	1.969	1.50	0.059	3.10	0.122	2,695	605.7	W
1000-065-2000	25.40	1.000	50.80	2.000	1.65	0.065	3.30	0.130	3,572	802.7	W
1000-078-2000	25.40	1.000	50.80	2.000	1.98	0.078	3.51	0.138	5,698	1280.4	W
1000-097-2000	25.40	1.000	50.80	2.000	2.46	0.097	3.68	0.145	8,766	1970.1	Z
1000-078-2375	25.40	1.000	60.33	2.375	1.98	0.078	3.99	0.157	4,952	1112.8	BA
1016-118-2000	25.81	1.016	50.80	2.000	3.00	0.118	4.19	0.165	15,594	3504.4	Y
1016-090-3000	25.81	1.016	76.20	3.000	2.29	0.090	4.57	0.180	5,210	1170.9	CC
1063-219-3500	27.00	1.063	88.90	3.500	5.56	0.219	7.14	0.281	37,722	8477.4	CC
1125-059-2250	28.58	1.125	57.15	2.250	1.50	0.059	3.45	0.136	2,501	561.9	BB
1125-073-2250	28.58	1.125	57.15	2.250	1.85	0.073	3.76	0.148	4,613	1036.7	BB
1130-206-2750	28.70	1.130	69.85	2.750	5.23	0.206	6.91	0.272	56,447	12685.3	CC
1250-219-2250	31.75	1.250	57.15	2.250	5.56	0.219	6.40	0.252	58,816	13217.9	CB
1250-080-2500	31.75	1.250	63.50	2.500	2.03	0.080	4.06	0.160	5,245	1178.9	CB
1255-187-2500	31.88	1.255	63.50	2.500	4.75	0.187	6.12	0.241	45,324	10185.8	CB
1255-168-3750	31.88	1.255	95.25	3.750	4.27	0.168	6.38	0.251	19,978	4489.8	AT
1406-132-2750	35.71	1.406	69.85	2.750	3.35	0.132	4.98	0.196	15,782	3546.7	CC
1755-133-3000	44.58	1.755	76.20	3.000	3.38	0.133	5.66	0.223	21,143	4751.6	AV
2063-125-3375	52.40	2.063	85.73	3.375	3.18	0.125	5.16	0.203	12,576	2826.3	AV