

AMIRONIC.co.uk SPRINGS

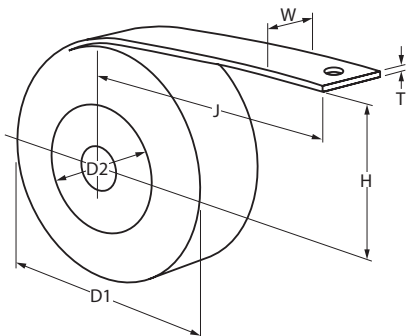
SR

Extension Springs

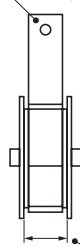
Standard : 0.7 - 147N



W = Spring material width
 T = Spring material thickness
 L = Spring length (reference only)
 J = Minimum extension for constant force
 H = Off-set distance
 D2 = Storage drum diameter
 D1 = Outside diameter of spring when fully wound on storage drum



See Details of Spring Ends



Recommended distance between drum flanges equals springs width (w)+1mm to 3mm

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number	Load N ^{±10%}	Load Kg ^{±10%}	Extension	W	T*	L	D2	D1	H	J	I/D* Spring	Spring Ends [†]	Price Each 1 - 9
SR1	0.726	0.074	177	3.175	0.051	203	4.42	5.77	4.17	7.21	3.68	E	£2.78
SR2	1.100	0.112	264	3.175	0.076	305	6.63	8.64	6.17	10.80	5.53	E	£2.78
SR3	1.460	0.149	177	6.350	0.051	203	4.42	5.77	4.17	7.21	3.68	E	£2.78
SR4	2.190	0.223	353	4.760	0.102	406	8.86	11.56	8.26	14.45	7.39	E	£2.78
SR5	2.750	0.280	264	7.940	0.076	305	6.63	8.64	6.17	10.80	5.53	E	£2.99
SR6	4.380	0.447	353	9.520	0.102	406	8.86	11.56	8.26	14.45	7.39	D	£2.99
SR7	5.470	0.558	442	9.520	0.127	508	11.07	14.48	10.34	18.09	9.22	D	£3.73
SR8	7.310	0.745	442	12.700	0.127	508	11.07	14.48	10.34	18.09	9.22	D	£3.73
SR9	8.770	0.894	529	12.700	0.152	610	13.28	17.34	12.39	21.69	11.07	A	£5.04
SR10	10.980	1.120	529	15.880	0.152	610	13.28	17.34	12.39	21.69	11.07	A	£6.27
SR11	13.140	1.340	706	14.290	0.203	813	17.70	23.11	16.51	28.96	14.75	A	£5.36
SR12	18.240	1.860	882	15.880	0.254	1,016	22.17	28.96	20.70	36.32	18.47	A	£6.14
SR13	21.970	2.240	882	19.050	0.254	1,016	22.17	28.96	20.70	36.32	18.47	A	£6.42
SR14	26.280	2.680	1,060	19.050	0.305	1,219	26.27	34.80	24.89	43.43	22.17	A	£8.47
SR15	30.690	3.130	1,237	19.050	0.356	1,422	30.99	40.39	28.70	50.55	25.91	A	£8.76
SR16	35.110	3.580	1,060	25.400	0.305	1,219	26.27	34.80	24.89	43.43	22.17	C	£8.63
SR17	40.890	4.170	1,237	25.400	0.356	1,422	30.99	40.39	28.70	50.55	25.91	C	£10.03
SR18	47.070	4.800	1,412	25.400	0.406	1,626	35.56	46.23	33.02	57.91	29.46	C	£11.07
SR19	52.860	5.390	1,600	25.400	0.457	1,829	39.62	52.32	37.08	65.53	33.27	C	£13.39
SR20	61.780	6.300	1,237	38.100	0.356	1,422	30.99	40.39	28.70	50.55	25.91	F	£12.14
SR21	70.120	7.150	1,060	50.800	0.305	1,219	26.67	34.80	24.89	43.43	22.17	F	£11.65
SR22	79.040	8.060	1,600	38.100	0.457	1,829	39.62	52.32	37.08	65.53	33.27	F	£16.00
SR23	93.650	9.550	1,412	50.800	0.406	1,626	35.56	46.23	33.02	57.91	29.46	F	£22.37
SR24	109.830	11.200	2,210	38.100	0.635	2,540	55.37	72.39	51.82	90.42	46.23	G	£31.23
SR25	128.470	13.100	1,950	50.800	0.559	2,235	48.77	64.26	45.72	80.26	40.64	K	£32.25
SR26	147.100	15.000	2,210	50.800	0.635	2,540	55.37	72.39	51.82	90.42	46.23	K	£37.41

*Reference only, may be varied to meet load specification. †See technical pages for Spring End options.

Material

Spring: Type 301 High Yield Stainless Steel.

Performance

Average Fatigue Life: 5,000 cycles.

Other Info.

Constant force extension springs provide a huge range of application opportunities. Springs can be extended in excess of 50 times the relaxed length of the spring, and can be mounted on a bobbin or bush or free running in a cavity or recess. Springs can be joined or laminated to provide increased force with minimal increases in space requirements.



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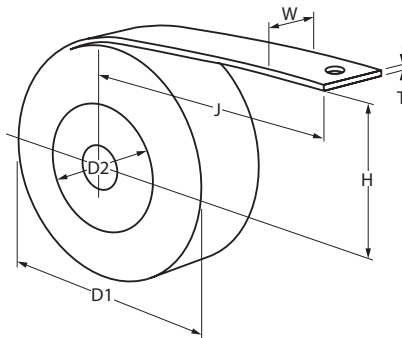
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Extension Springs

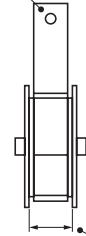
Standard : 0.46 - 94N



W = Spring material width
 T = Spring material thickness
 L = Spring length (reference only)
 J = Minimum extension for constant force
 H = Off-set distance
 D2 = Storage drum diameter
 D1 = Outside diameter of spring when fully wound on storage drum



See Details of Spring Ends



Recommended distance between drum flanges equals springs width (w)+1mm to 3mm

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number	Load N ^{±10%}	Load Kg ^{±10%}	Extension	W	T*	L	D2	D1	H	J	I/D* Spring	Spring Ends [†]	Price Each 1 - 9
SR27	0.461	0.047	167	3.175	0.051	203	5.79	6.91	4.93	8.64	4.83	E	£2.78
SR28	0.696	0.071	252	3.175	0.076	305	8.69	10.34	7.39	12.95	7.24	E	£2.78
SR29	0.932	0.095	167	6.350	0.051	203	5.79	6.91	4.93	8.64	4.83	E	£2.78
SR30	1.400	0.143	338	4.760	0.102	406	11.61	13.84	9.91	17.32	9.67	E	£2.78
SR31	1.760	0.179	252	7.940	0.076	305	8.69	10.34	7.39	12.95	7.24	E	£2.99
SR32	2.810	0.287	338	9.520	0.102	406	11.61	13.84	9.91	17.32	9.67	D	£2.99
SR33	3.510	0.358	422	9.520	0.127	508	14.48	17.27	12.34	21.59	12.06	D	£3.73
SR34	4.690	0.478	422	12.700	0.127	508	14.48	17.27	12.34	21.59	12.06	D	£3.73
SR35	5.630	0.574	505	12.700	0.152	610	17.42	20.72	14.80	25.91	14.53	A	£5.04
SR36	7.010	0.715	505	15.880	0.152	610	17.42	20.72	14.80	25.91	14.53	A	£6.27
SR37	8.410	0.858	673	14.290	0.203	813	23.24	27.69	19.81	34.54	19.38	A	£5.36
SR38	11.670	1.190	844	15.880	0.254	1,016	28.96	34.54	24.64	43.18	24.23	A	£6.14
SR39	14.020	1.430	844	19.050	0.254	1,016	28.96	34.54	24.64	43.18	24.23	A	£6.42
SR40	16.870	1.720	1,011	19.050	0.305	1,219	34.80	41.40	29.46	51.82	28.96	A	£8.47
SR41	19.610	2.000	1,179	19.050	0.356	1,422	40.64	48.26	34.29	60.45	33.78	A	£8.76
SR42	22.460	2.290	1,011	25.400	0.305	1,219	34.80	41.40	29.46	51.82	28.96	C	£8.63
SR43	26.280	2.680	1,179	25.400	0.356	1,422	40.64	48.26	34.29	60.45	33.78	C	£10.03
SR44	30.010	3.060	1,340	25.400	0.406	1,626	46.48	55.37	39.62	69.09	38.86	C	£11.07
SR45	33.730	3.440	1,516	25.400	0.457	1,829	52.07	61.98	44.20	77.47	43.43	C	£13.39
SR46	39.520	4.030	1,179	38.100	0.356	1,422	40.64	48.26	34.29	60.45	33.78	F	£12.14
SR47	45.110	4.600	1,011	50.800	0.305	1,219	34.80	41.40	29.46	51.82	28.96	F	£11.65
SR48	50.310	5.130	1,516	38.100	0.457	1,829	52.07	61.98	44.20	77.47	43.43	F	£16.00
SR49	59.820	6.100	1,340	50.800	0.406	1,626	46.48	55.37	39.62	69.09	38.86	F	£22.37
SR50	70.610	7.200	2,103	38.100	0.635	2,540	72.64	86.36	61.72	107.95	60.45	G	£31.23
SR51	82.670	8.430	1,852	50.800	0.559	2,235	63.75	75.95	54.36	95.00	53.09	K	£32.25
SR52	93.750	9.560	2,100	50.800	0.635	2,540	72.64	86.36	61.72	107.95	60.45	K	£37.41

*Reference only, may be varied to meet load specification. †See technical pages for Spring End options.

Material

Spring: Type 301 High Yield Stainless Steel.

Performance

Average Fatigue Life: 15,000 cycles.

Other Info.

Constant force extension springs provide a huge range of application opportunities. Springs can be extended in excess of 50 times the relaxed length of the spring, and can be mounted on a bobbin or bush or free running in a cavity or recess. Springs can be joined or laminated to provide increased force with minimal increases in space requirements.



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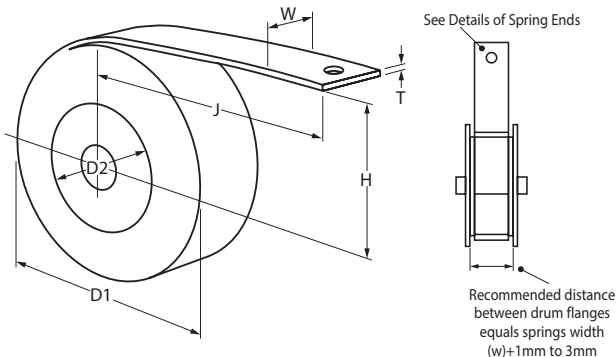
SR

Extension Springs

Standard : 0.25 - 52N



- W = Spring material width
- T = Spring material thickness
- L = Spring length (reference only)
- J = Minimum extension for constant force
- H = Off-set distance
- D2 = Storage drum diameter
- D1 = Outside diameter of spring when fully wound on storage drum



Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number	Load N ^{±10%}	Load Kg ^{±10%}	Extension	W	T*	L	D2	D1	H	J	I/D* Spring	Spring Ends [†]	Price Each 1 - 9
SR53	0.255	0.026	155	3.175	0.051	203	8.02	8.84	5.74	11.05	6.68	E	£2.78
SR54	0.382	0.039	234	3.175	0.076	305	12.04	13.21	9.42	16.51	10.03	E	£2.78
SR55	0.520	0.053	155	6.350	0.051	203	8.02	8.84	5.74	11.05	6.68	E	£2.78
SR56	0.775	0.079	310	4.760	0.102	406	16.02	17.65	12.70	22.10	13.36	E	£2.78
SR57	0.971	0.099	234	7.940	0.076	305	12.04	13.21	9.42	16.51	10.03	E	£2.99
SR58	1.560	0.159	310	9.520	0.102	406	16.02	17.65	12.70	22.10	13.36	D	£2.99
SR59	1.940	0.198	389	9.520	0.127	508	20.00	21.97	15.67	27.43	16.66	D	£3.73
SR60	2.590	0.264	389	12.700	0.127	508	20.00	21.97	15.67	27.43	16.66	D	£3.73
SR61	3.100	0.316	465	12.700	0.152	610	24.05	26.42	18.85	33.02	20.04	A	£5.04
SR62	3.880	0.396	465	15.880	0.152	610	24.05	26.42	18.85	33.20	20.04	A	£6.27
SR63	4.670	0.476	623	14.290	0.203	813	32.00	35.31	25.40	44.20	26.67	A	£5.36
SR64	6.510	0.664	775	15.880	0.254	1,016	40.13	44.20	31.50	55.12	33.53	A	£6.14
SR65	7.800	0.795	775	19.050	0.254	1,016	40.13	44.20	31.50	55.12	33.53	A	£6.42
SR66	9.320	0.950	930	19.050	0.305	1,219	48.26	53.09	37.85	66.29	40.13	A	£8.47
SR67	10.890	1.110	1,085	19.050	0.356	1,422	56.13	61.72	44.20	77.20	46.74	A	£8.76
SR68	12.450	1.270	930	25.400	0.305	1,219	48.26	53.09	37.85	66.29	40.13	C	£8.63
SR69	14.510	1.480	1,085	25.400	0.356	1,422	56.13	61.72	44.20	77.22	46.74	C	£10.03
SR70	16.570	1.690	1,242	25.400	0.406	1,626	64.01	70.61	50.29	88.39	53.34	C	£11.07
SR71	18.630	1.900	1,397	25.400	0.457	1,829	72.14	79.76	56.90	99.57	60.20	C	£13.39
SR72	21.770	2.220	1,085	38.100	0.356	1,422	56.13	61.72	44.20	77.22	46.74	F	£12.14
SR73	24.910	2.540	930	50.800	0.305	1,219	48.26	53.09	37.85	66.29	40.13	F	£11.65
SR74	27.950	2.850	1,397	38.100	0.457	1,829	72.14	79.76	56.90	99.57	60.20	F	£16.00
SR75	33.240	3.390	1,242	50.800	0.406	1,626	64.01	70.61	50.29	88.39	53.34	F	£22.37
SR76	38.930	3.970	1,938	38.100	0.635	2,540	100.58	110.74	79.25	138.43	83.82	G	£31.23
SR77	45.900	4.680	1,707	50.800	0.559	2,235	88.14	97.28	69.34	121.92	73.41	K	£32.25
SR78	52.070	5.310	1,838	50.800	0.635	2,540	100.58	110.74	79.25	138.43	83.82	K	£37.41

*Reference only, may be varied to meet load specification. †See technical pages for Spring End options.

Material

Spring: Type 301 High Yield Stainless Steel.

Performance

Average Fatigue Life: 40,000 cycles.

Other Info.

Constant force extension springs provide a huge range of application opportunities. Springs can be extended in excess of 50 times the relaxed length of the spring, and can be mounted on a bobbin or bush or free running in a cavity or recess. Springs can be joined or laminated to provide increased force with minimal increases in space requirements.

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