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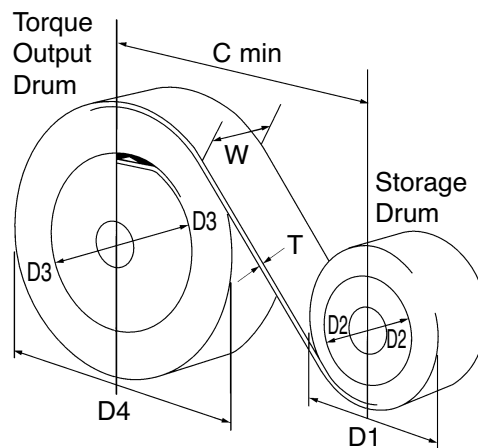
ANTI-VIBRATION & SPRINGS

Motor Springs

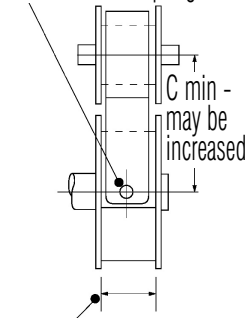
Standard : 0 - 10.10N



- W = Spring material width
- T = Spring material thickness
- L = Spring length (reference only)
- C = Distance between drum centres (min)
- D2 = Storage drum diameter
- D3 = Torque drum diameter
- D1 = Outside diameter of spring when fully wound on storage drum
- D4 = Outside diameter of spring when fully wound on torque drum



See Details of Spring Ends



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

Part Number	Torque N _{±10%}	Torque Kg cms ^{±10%}	W	T*	L	D2	D3	D1	D4	C	I/D* Spring	Spring Ends†	Price Each
SR79	0.00	0.04	3.175	0.051	1168	6.7	11.1	11.0	14.2	13.6	5.5	E	£3.99
SR80	0.01	0.08	6.35	0.051	1168	6.7	11.1	11.0	14.2	13.6	5.5	E	£4.29
SR81	0.01	0.14	4.76	0.076	1753	10.0	16.6	16.5	21.2	20.4	8.3	E	£4.49
SR82	0.02	0.23	7.94	0.076	1753	10.0	16.6	16.5	21.2	20.4	8.3	E	£4.85
SR83	0.03	0.33	6.35	0.102	2337	13.3	22.2	21.9	28.2	27.2	11.1	E	£5.26
SR84	0.05	0.50	9.52	0.102	2337	13.3	22.2	21.9	28.2	27.2	11.1	D	£5.63
SR85	0.08	0.78	9.52	0.127	2921	16.6	27.7	27.4	35.3	34.0	13.8	A	£7.49
SR86	0.10	1.04	12.70	0.127	2921	16.6	27.7	27.4	35.3	34.0	13.8	A	£8.06
SR87	0.15	1.49	12.70	0.152	3505	19.9	33.3	33.3	42.4	40.9	16.6	A	£10.72
SR88	0.18	1.86	15.88	0.152	3505	19.9	33.3	33.3	42.4	40.9	16.6	A	£11.82
SR89	0.29	2.99	14.29	0.203	4674	26.4	44.2	44.2	56.4	54.4	22.2	A	£12.91
SR90	0.51	5.20	15.88	0.254	5842	33.3	55.4	55.4	70.9	68.1	27.7	A	£17.10
SR91	0.87	8.92	19.05	0.305	7010	39.9	66.6	66.0	85.1	81.8	33.3	A	£23.48
SR92	1.17	11.90	25.40	0.305	7010	39.9	66.6	66.0	85.1	81.8	33.3	C	£25.27
SR93	1.60	16.30	25.40	0.356	8179	46.7	77.7	77.7	99.3	95.5	38.9	C	£33.00
SR94	2.33	23.80	50.80	0.305	7010	39.9	66.6	66.0	85.1	81.8	33.3	F	£40.11
SR95	3.20	32.60	50.80	0.356	8179	46.7	77.7	77.7	99.3	95.5	38.9	F	£50.65
SR96	3.95	40.30	38.10	0.457	10516	59.7	99.6	99.6	127.3	122.4	49.8	F	£60.59
SR97	5.30	54.00	50.80	0.457	10516	59.7	99.6	99.6	127.3	122.4	49.8	F	£74.20
SR98	7.89	80.50	50.80	0.559	12852	73.2	121.9	121.9	156.0	149.9	61.0	K	£99.13
SR99	10.10	103.00	50.80	0.635	14605	82.8	138.2	138.2	176.8	169.9	69.1	K	£121.70

*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, 27 working turns.

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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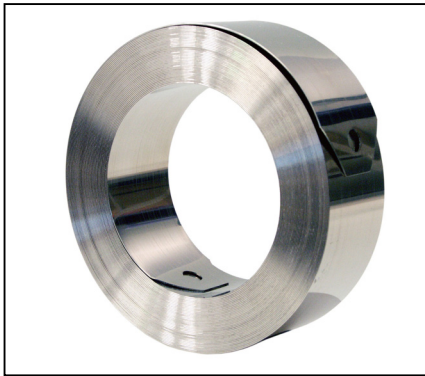
Product information updated 1st April 2010 and subject to change. Please contact Sales for the latest prices and availability.

ANTI-VIBRATION & SPRINGS

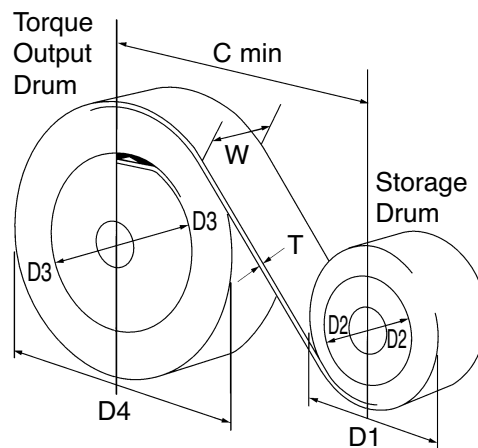
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Motor Springs

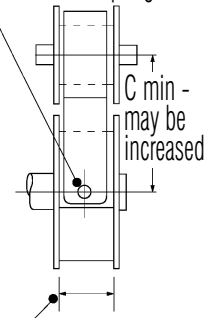
Standard : 0 - 7.99N



W = Spring material width
 T = Spring material thickness
 L = Spring length (reference only)
 C = Distance between drum centres (min)
 D2 = Storage drum diameter
 D3 = Torque drum diameter
 D1 = Outside diameter of spring when fully wound on storage drum
 D4 = Outside diameter of spring when fully wound on torque drum



See Details of Spring Ends



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

Part Number	Torque N ^{+10%}	Torque Kg cms ^{+10%}	W	T*	L	D2	D3	D1	D4	C	I/D* Spring	Spring Ends†	Price Each
SR100	0.00	0.03	3.175	0.051	1168	9.5	15.9	13.0	18.1	17.0	7.9	E	£3.95
SR101	0.01	0.06	6.35	0.051	1168	9.5	15.9	13.0	18.1	17.0	7.9	E	£4.27
SR102	0.01	0.11	4.76	0.076	1753	14.3	23.8	19.4	27.2	25.4	11.8	E	£4.49
SR103	0.02	0.18	7.94	0.076	1753	14.3	23.8	19.4	27.2	25.4	11.8	E	£4.85
SR104	0.03	0.26	6.35	0.102	2337	19.1	31.8	25.9	36.3	33.8	15.9	E	£5.26
SR105	0.04	0.50	9.52	0.102	2337	19.1	31.8	25.9	36.3	33.8	15.9	D	£5.62
SR106	0.06	0.61	9.52	0.127	2921	23.8	39.6	32.5	45.2	42.4	19.8	A	£7.49
SR107	0.09	0.90	12.70	0.127	2921	23.8	39.6	32.5	45.2	42.4	19.8	A	£8.06
SR108	0.12	1.16	12.70	0.152	3505	28.5	47.5	38.9	54.4	50.8	23.8	A	£10.72
SR109	0.14	1.46	15.88	0.152	3505	28.5	47.5	38.9	54.4	50.8	23.8	A	£11.79
SR110	0.23	2.33	14.29	0.203	4674	38.1	63.5	51.8	72.4	67.8	31.8	A	£12.91
SR111	0.40	4.05	15.88	0.254	5842	47.5	79.3	64.8	90.4	84.6	39.6	A	£17.11
SR112	0.69	7.02	19.05	0.305	7010	56.9	95.0	77.7	108.5	101.6	47.5	A	£23.46
SR113	0.92	9.35	25.40	0.305	7010	56.9	95.0	77.7	108.5	101.6	47.5	C	£25.27
SR114	1.25	12.70	25.40	0.356	8179	66.6	111.0	90.4	127.5	118.4	55.4	C	£32.97
SR115	1.83	18.70	50.80	0.305	7010	56.9	95.0	77.7	108.5	101.6	47.5	F	£40.11
SR116	2.49	25.40	50.80	0.356	8179	66.6	111.0	90.4	127.0	118.4	55.4	F	£50.66
SR117	3.10	31.60	38.10	0.457	10516	85.6	142.8	116.8	162.6	152.4	71.4	F	£60.59
SR118	4.14	42.20	50.80	0.457	10516	85.6	142.8	116.8	162.6	152.4	71.4	F	£74.20
SR119	6.18	63.00	50.80	0.559	12852	104.7	174.5	142.2	199.4	186.2	87.1	K	£99.13
SR120	7.99	81.50	50.80	0.635	14605	118.9	198.4	162.6	226.1	211.6	99.1	K	£121.70

*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: 20,000 cycles, 20 working turns.

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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