

**Fibach**<sup>®</sup> **THE WILL**  
**SPRINGS** **TO WIN**



**Motorsports**





**Eibach**<sup>®</sup> **THE WILL**  
**SPRINGS** **TO WIN**

**F**or more than 50 years, Eibach has dedicated itself to one simple quest: building the finest suspension components in the world. The inspiration for this effort can be summed up in four words: The Will To Win. And the results are showcased every day in the demanding world of racing, from the legendary Formula 1 circuits and rugged WRC stages around the world, to the high-banked ovals of America. From Europe's Monza, Silverstone, Nurburgring and LeMans, to Australia's V8 Supercar tracks and to the fast-growing racing series in Asia. As the stakes in racing grow ever higher, competition gets even tougher. Precision, reliability and repeatability assume greater importance, as preparation for winning race efforts becomes more crucial than ever. And Eibach suspension components, which ultimately determine handling, balance and overall performance, must be nothing less than perfect.



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# Eibach Springs: Quality Unsurpassed



**E**ibach produces the finest racecar springs in the world. Period. When other springs sag, or need frequent replacement, top race teams, from F1 to WRC, from Le Mans to NASCAR, inevitably turn to Eibach. And, also inevitably, wonder why they didn't choose Eibach in the first place.

- Ultra-Lightweight for Reduced Unsprung Mass
- Maximum Deflection in Combination with Smallest Block Heights
- Exceptional Block Resistance and Durability
- Precision Planparallel and Square End Configurations Under Unloaded and Loaded Conditions
- Lowest Side Loads with Load Center Ideally Located Relative to Spring Axis
- Precision Tolerances—The Tightest in the Industry
- Highest Linearity and Guaranteed Rate Consistency
- Each Spring Individually Tested and Rated

To produce springs with unparalleled precision and repeatability, Eibach uses the world's finest Hi-Ten spring steel, produced to exceedingly precise tolerances—according to Eibach specs.

We use world-renowned German CNC coilers, as well as many machines engineered and built specifically by Eibach.

In short, we use state-of-the-art technology, in every step of the manufacturing process. But it's not just about machines and technology: it's about people. Most notably, the Eibach Springmeisters, working at production plants in Germany and the USA: Talented, expert craftsmen, each committed to creating the finest race springs in the world.

Performance Perfected.



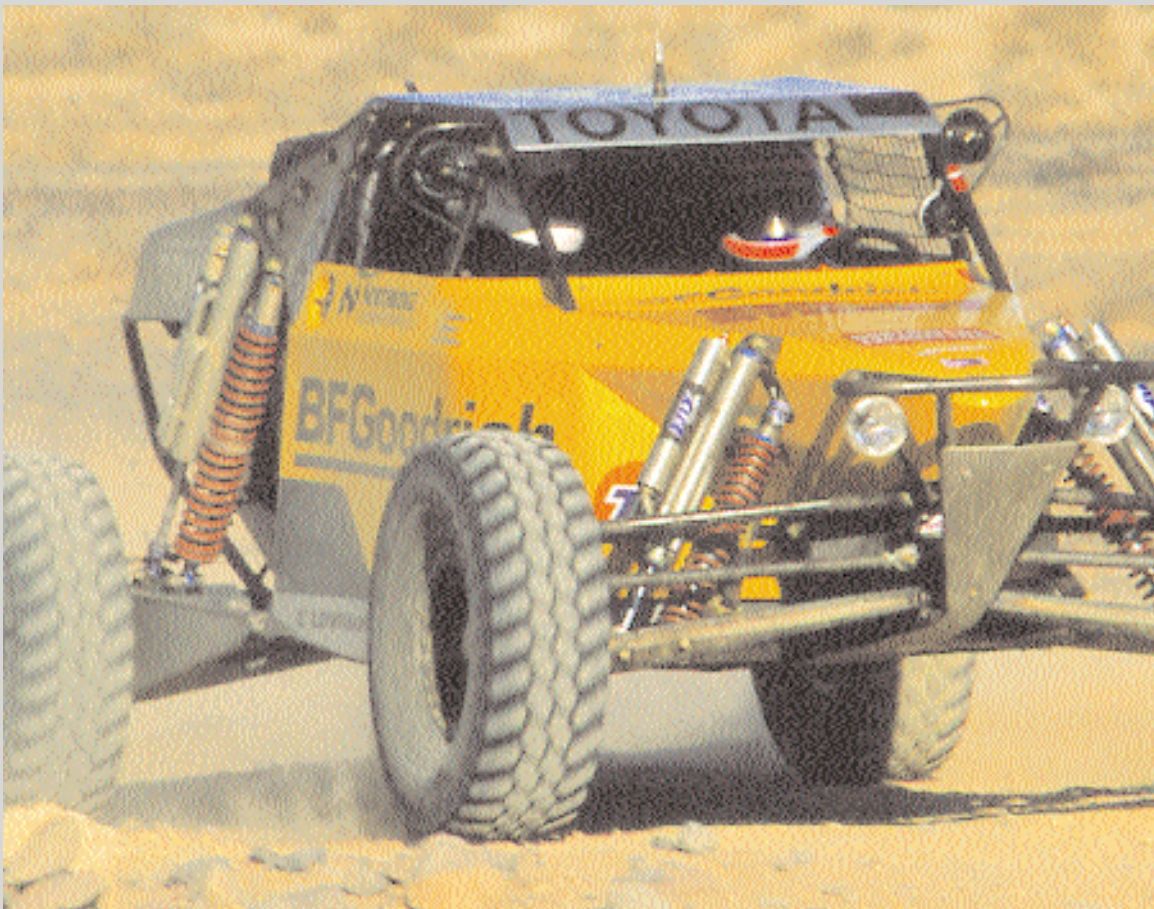
# Custom-Spec Race Springs

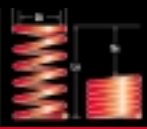
While the Eibach *ERS* system (see page 34) provides a huge range of spring rates and suspension travel, there are always racing applications that require specially designed components. Our suspension engineers enjoy the challenge of creating unique designs that overcome special geometry, special weight challenges, or unusual design characteristics.

For example, all Eibach springs used by top-running teams in Formula 1, the famous WRC (World Rally Championship), Le Mans/GT, and many Touring-Car Series are custom designed and manufactured. As an example: the extreme conditions and long-travel suspension performance found in today's off-road race vehicles often require multiple progressive characteristics—a tough assignment for a lesser spring manufacturer, but a welcome challenge for Eibach.

Have a special suspension need?

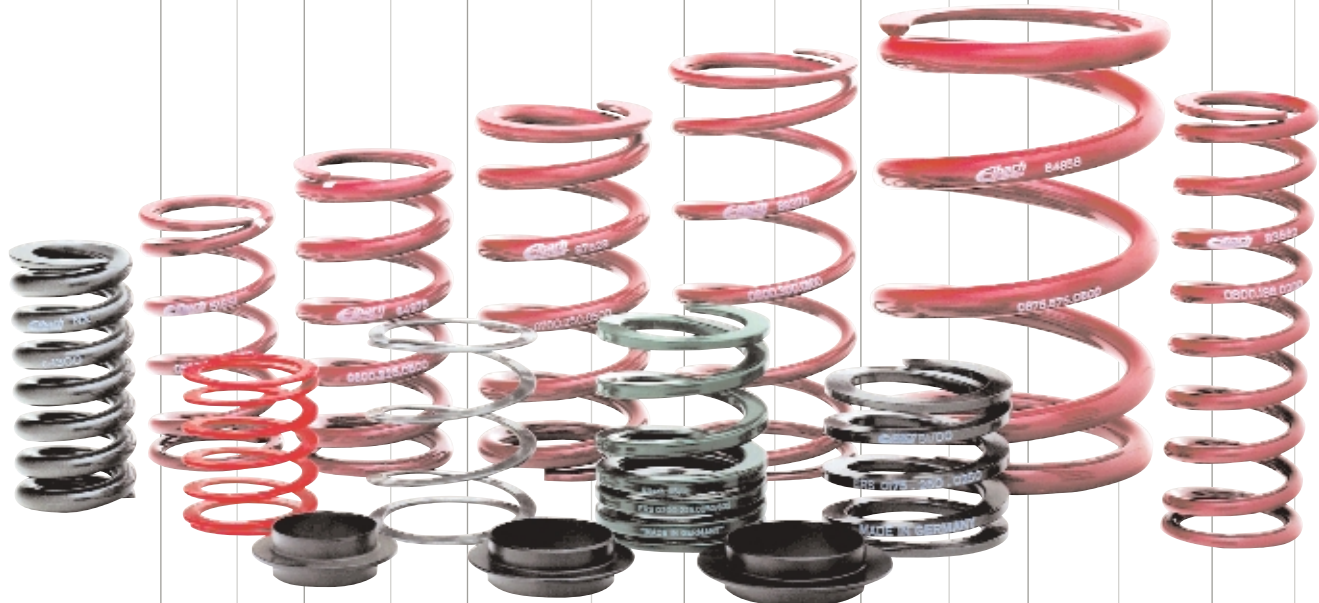
Contact us and let our expert engineering and production teams solve your toughest suspension problems.





# Coil-Over 1.63" I.D (Quarter Midget)

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>5.00</b> (Length in inches)														
0500.163.0070	5.00	127	1.63	41	70	12	1.67	42	3.33	85	233	1,037	0.42	0.19
0500.163.0075	5.00	127	1.63	41	75	13	1.59	40	3.41	87	256	1,138	0.40	0.18
0500.163.0080	5.00	127	1.63	41	80	14	1.50	38	3.50	89	280	1,244	0.37	0.17
0500.163.0085	5.00	127	1.63	41	85	15	1.44	37	3.56	90	302	1,345	0.35	0.16
0500.163.0090	5.00	127	1.63	41	90	16	1.38	35	3.62	92	326	1,450	0.33	0.15
0500.163.0095	5.00	127	1.63	41	95	17	1.31	33	3.69	94	350	1,557	0.33	0.15
0500.163.0100	5.00	127	1.63	41	100	18	1.45	37	3.55	90	355	1,578	0.37	0.17
0500.163.0105	5.00	127	1.63	41	105	18	1.57	40	3.43	87	360	1,601	0.42	0.19
0500.163.0110	5.00	127	1.63	41	110	19	1.55	39	3.45	88	379	1,688	0.42	0.19
0500.163.0115	5.00	127	1.63	41	115	20	1.50	38	3.47	88	402	1,788	0.40	0.18
0500.163.0120	5.00	127	1.63	41	120	21	2.00	51	3.00	76	360	1,600	0.59	0.27
0500.163.0125	5.00	127	1.63	41	125	22	1.95	50	3.05	77	381	1,694	0.57	0.26
0500.163.0130	5.00	127	1.63	41	130	23	1.88	48	3.12	79	405	1,804	0.55	0.25
0500.163.0135	5.00	127	1.63	41	135	24	1.83	47	3.17	81	428	1,903	0.55	0.25
0500.163.0140	5.00	127	1.63	41	140	25	1.56	40	3.44	87	482	2,143	0.44	0.20
0500.163.0145	5.00	127	1.63	41	145	25	1.54	39	3.46	88	502	2,234	0.44	0.20
0500.163.0150	5.00	127	1.63	41	150	26	1.68	43	3.32	84	497	2,212	0.48	0.22
0500.163.0155	5.00	127	1.63	41	155	27	1.84	47	3.16	80	490	2,179	0.57	0.26
0500.163.0160	5.00	127	1.63	41	160	28	1.81	46	3.19	81	509	2,267	0.55	0.25

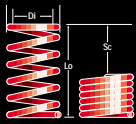


# Coil-Over 1.88" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>8.00</b> (Length in inches)														
0800.188.0100	8.00	203	1.88	48	100	18	2.60	66	5.40	137	540	2,403	1.06	0.48
0800.188.0125	8.00	203	1.88	48	125	22	2.69	68	5.31	135	663	2,951	1.17	0.53
0800.188.0150	8.00	203	1.88	48	150	26	2.84	72	5.16	131	774	3,444	1.31	0.59
0800.188.0175	8.00	203	1.88	48	175	31	3.05	77	4.95	126	866	3,854	1.49	0.68
0800.188.0185	8.00	203	1.88	48	185	32	3.00	76	5.00	127	924	4,113	1.47	0.67
0800.188.0200	8.00	203	1.88	48	200	35	3.16	80	4.84	123	968	4,305	1.61	0.73
0800.188.0225	8.00	203	1.88	48	225	39	3.27	83	4.73	120	1,063	4,732	1.73	0.79
0800.188.0250	8.00	203	1.88	48	250	44	3.28	83	4.72	120	1,181	5,254	1.78	0.81
0800.188.0275	8.00	203	1.88	48	275	48	3.37	86	4.63	118	1,274	5,668	1.89	0.86
0800.188.0300	8.00	203	1.88	48	300	53	3.50	89	4.50	114	1,351	6,011	2.02	0.92
0800.188.0325	8.00	203	1.88	48	325	57	3.63	92	4.37	111	1,421	6,323	2.16	1.00
0800.188.0350	8.00	203	1.88	48	350	61	3.76	96	4.24	108	1,484	6,604	2.31	1.05
<b>10.00</b> (Length in inches)														
1000.188.0050	10.00	254	1.88	48	50	9	2.49	63	7.51	191	376	1,671	0.86	0.39
1000.188.0060	10.00	254	1.88	48	60	11	2.59	66	7.41	188	444	1,978	0.94	0.43
1000.188.0070	10.00	254	1.88	48	70	12	2.77	70	7.23	184	506	2,253	1.06	0.48
1000.188.0080	10.00	254	1.88	48	80	14	2.95	75	7.05	179	564	2,511	1.19	0.54
1000.188.0090	10.00	254	1.88	48	90	16	3.00	76	7.00	178	630	2,801	1.25	0.57
1000.188.0100	10.00	254	1.88	48	100	18	3.25	83	6.75	171	675	3,004	1.42	0.64
1000.188.0115	10.00	254	1.88	48	115	20	3.41	87	6.59	167	758	3,372	1.56	0.71
1000.188.0130	10.00	254	1.88	48	130	23	3.57	91	6.43	163	835	3,717	1.71	0.77
1000.188.0145	10.00	254	1.88	48	145	25	3.69	94	6.31	160	915	4,074	1.82	0.83
1000.188.0160	10.00	254	1.88	48	160	28	3.83	97	6.17	157	987	4,392	1.96	0.89
1000.188.0175	10.00	254	1.88	48	175	31	3.98	101	6.02	153	1,054	4,689	2.11	0.96
1000.188.0200	10.00	254	1.88	48	200	35	3.99	101	6.01	153	1,203	5,352	2.18	0.99
1000.188.0225	10.00	254	1.88	48	225	39	4.02	102	5.98	152	1,345	5,983	2.27	1.03
1000.188.0250	10.00	254	1.88	48	250	44	4.55	116	5.45	138	1,363	6,064	2.73	1.24
1000.188.0275	10.00	254	1.88	48	275	48	4.63	118	5.37	136	1,478	6,576	2.86	1.30
1000.188.0300	10.00	254	1.88	48	300	53	4.74	120	5.26	134	1,577	7,020	3.02	1.37
1000.188.0325	10.00	254	1.88	48	325	57	4.86	123	5.14	131	1,671	7,437	3.18	1.44
1000.188.0350	10.00	254	1.88	48	350	61	4.57	116	5.43	138	1,901	8,460	2.99	1.35
1000.188.0375	10.00	254	1.88	48	375	66	4.72	120	5.28	134	1,980	8,812	3.17	1.44
1000.188.0400	10.00	254	1.88	48	400	70	4.87	124	5.13	130	2,051	9,127	3.36	1.53
1000.188.0425	10.00	254	1.88	48	425	74	5.07	129	4.93	125	2,095	9,321	3.60	1.63
1000.188.0450	10.00	254	1.88	48	450	79	4.85	123	5.15	131	2,318	10,312	3.44	1.56
1000.188.0475	10.00	254	1.88	48	475	83	5.05	128	4.95	126	2,352	10,467	3.68	1.67
1000.188.0500	10.00	254	1.88	48	500	88	5.25	133	4.75	121	2,375	10,567	3.92	1.78
1000.188.0525	10.00	254	1.88	48	525	92	5.02	128	4.98	126	2,615	11,636	3.75	1.70
1000.188.0550	10.00	254	1.88	48	550	96	5.22	133	4.78	121	2,629	11,697	4.00	1.81
<b>Helper</b> (prevents main spring from becoming loose at full droop)														
Helper 188	3.00	76	1.88	48										
<b>Spacer</b> (ID locating main to Helper/Tender coupling spacer)														
Spacer 188														





# Coil-Over 2.00" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>3.00</b> (Length in inches)														
0300.200.1600	3.00	76	2.00	50	1,600	280	1.82	46	1.18	30	1,894	8,428	1.19	0.54
0300.200.1800	3.00	76	2.00	50	1,800	315	1.77	45	1.23	31	2,221	9,882	1.19	0.54
0300.200.2000	3.00	76	2.00	50	2,000	350	1.83	46	1.17	30	2,345	10,434	1.25	0.57
0300.200.2200	3.00	76	2.00	50	2,200	385	1.80	46	1.20	31	2,649	11,789	1.28	0.58
0300.200.2400	3.00	76	2.00	50	2,400	420	1.81	46	1.19	30	2,858	12,718	1.30	0.59
0300.200.2600	3.00	76	2.00	50	2,600	455	1.82	46	1.18	30	3,064	13,637	1.34	0.61
0300.200.2800	3.00	76	2.00	50	2,800	490	1.86	47	1.14	29	3,199	14,235	1.41	0.64
<b>4.00</b> (Length in inches)														
0400.200.0350	4.00	102	2.00	51	350	61	1.61	41	2.39	61	837	3,722	0.81	0.37
0400.200.0400	4.00	102	2.00	51	400	70	1.62	41	2.38	60	951	4,231	0.84	0.38
0400.200.0450	4.00	102	2.00	51	450	79	1.64	42	2.36	60	1,064	4,733	0.88	0.40
0400.200.0500	4.00	102	2.00	51	500	88	1.82	46	2.18	55	1,090	4,848	1.08	0.49
0400.200.0550	4.00	102	2.00	51	550	96	1.73	44	2.27	58	1,249	5,556	0.99	0.45
0400.200.0600	4.00	102	2.00	51	600	105	1.81	46	2.19	56	1,312	5,837	1.07	0.49
0400.200.0650	4.00	102	2.00	51	650	114	2.03	52	1.97	50	1,282	5,705	1.28	0.58
0400.200.0700	4.00	102	2.00	51	700	123	1.95	50	2.05	52	1,436	6,389	1.22	0.56
0400.200.0750	4.00	102	2.00	51	750	131	2.00	51	2.00	51	1,502	6,683	1.29	0.59
0400.200.0800	4.00	102	2.00	51	800	140	1.92	49	2.08	53	1,666	7,415	1.23	0.56
0400.200.0850	4.00	102	2.00	51	850	149	2.01	51	1.99	51	1,696	7,545	1.33	0.60
0400.200.0900	4.00	102	2.00	51	900	158	2.09	53	1.91	49	1,715	7,630	1.43	0.65
0400.200.0950	4.00	102	2.00	51	950	166	2.01	51	1.99	51	1,890	8,411	1.37	0.62
0400.200.1000	4.00	102	2.00	51	1,000	175	2.10	53	1.90	48	1,900	8,453	1.47	0.67
0400.200.1050	4.00	102	2.00	51	1,050	184	2.19	56	1.81	46	1,898	8,445	1.58	0.72
0400.200.1100	4.00	102	2.00	51	1,100	193	2.10	53	1.90	48	2,086	9,283	1.51	0.69
0400.200.1150	4.00	102	2.00	51	1,150	201	2.20	56	1.80	46	2,075	9,231	1.62	0.74
0400.200.1200	4.00	102	2.00	51	1,200	210	2.15	55	1.85	47	2,220	9,876	1.59	0.72
0400.200.1250	4.00	102	2.00	51	1,250	219	2.24	57	1.76	45	2,195	9,769	1.70	0.77
0400.200.1300	4.00	102	2.00	51	1,300	228	2.20	56	1.80	46	2,344	10,429	1.66	0.75
0400.200.1350	4.00	102	2.00	51	1,350	237	2.28	58	1.72	44	2,328	10,359	1.78	0.81
0400.200.1400	4.00	102	2.00	51	1,400	245	2.24	57	1.76	45	2,458	10,939	1.74	0.79
0400.200.1500	4.00	102	2.00	51	1,500	263	2.29	58	1.71	43	2,564	11,407	1.82	0.83
0400.200.1600	4.00	102	2.00	51	1,600	280	2.34	59	1.66	42	2,660	11,834	1.90	0.86
0400.200.1700	4.00	102	2.00	51	1,700	298	2.38	60	1.62	41	2,747	12,223	1.99	0.90
0400.200.1800	4.00	102	2.00	51	1,800	315	2.43	62	1.57	40	2,824	12,566	2.07	0.94
0400.200.1900	4.00	102	2.00	51	1,900	333	2.38	60	1.62	41	3,078	13,697	2.03	0.92
0400.200.2000	4.00	102	2.00	51	2,000	350	2.58	66	1.42	36	2,844	12,656	2.31	1.05
0400.200.2100	4.00	102	2.00	51	2,100	368	2.47	63	1.53	39	3,210	14,282	2.20	1.00
0400.200.2200	4.00	102	2.00	51	2,200	385	2.42	61	1.58	40	3,480	15,486	2.15	0.98
0400.200.2400	4.00	102	2.00	51	2,400	420	2.56	65	1.44	37	3,449	15,347	2.39	1.08
0400.200.2600	4.00	102	2.00	51	2,600	455	2.55	65	1.45	37	3,763	16,744	2.43	1.10
0400.200.2800	4.00	102	2.00	51	2,800	491	2.60	66	1.40	36	3,927	17,473	2.52	1.14
0400.200.3000	4.00	102	2.00	51	3,000	526	2.64	67	1.36	35	4,074	18,127	2.62	1.19
0400.200.3100	4.00	102	2.00	51	3,100	543	2.64	67	1.31	33	4,231	18,828	2.71	1.23

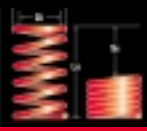




# Coil-Over 2.00" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>5.00</b> (Length in inches)														
0500.200.0250	5.00	127	2.00	51	250	44	1.97	50	3.03	77	758	3,371	0.93	0.44
0500.200.0300	5.00	127	2.00	51	300	53	2.00	51	3.00	76	900	4,005	1.05	0.48
0500.200.0350	5.00	127	2.00	51	350	61	2.18	55	2.82	72	987	4,393	1.23	0.56
0500.200.0400	5.00	127	2.00	51	400	70	2.20	56	2.80	71	1,119	4,978	1.28	0.58
0500.200.0425	5.00	127	2.00	51	425	74	2.30	58	2.70	69	1,147	5,105	1.38	0.63
0500.200.0450	5.00	127	2.00	51	450	79	2.23	57	2.77	70	1,248	5,556	1.33	0.60
0500.200.0475	5.00	127	2.00	51	475	83	2.32	59	2.68	68	1,272	5,659	1.43	0.65
0500.200.0500	5.00	127	2.00	51	500	88	2.25	57	2.75	70	1,377	6,128	1.38	0.63
0500.200.0550	5.00	127	2.00	51	550	96	2.30	58	2.70	69	1,483	6,600	1.46	0.66
0500.200.0600	5.00	127	2.00	51	600	105	2.36	60	2.64	67	1,584	7,047	1.54	0.70
0500.200.0650	5.00	127	2.00	51	650	114	2.42	61	2.58	66	1,678	7,467	1.62	0.74
0500.200.0700	5.00	127	2.00	51	700	123	2.48	63	2.52	64	1,767	7,862	1.71	0.78
0500.200.0750	5.00	127	2.00	51	750	131	2.58	66	2.42	61	1,817	8,087	1.83	0.83
0500.200.0800	5.00	127	2.00	51	800	140	2.45	62	2.55	65	2,043	9,089	1.73	0.79
0500.200.0850	5.00	127	2.00	51	850	149	2.55	65	2.45	62	2,085	9,279	1.85	0.84
0500.200.0900	5.00	127	2.00	51	900	158	2.65	67	2.35	60	2,116	9,416	1.98	0.90
0500.200.0950	5.00	127	2.00	51	950	166	2.75	70	2.25	57	2,135	9,502	2.11	0.96
0500.200.1000	5.00	127	2.00	51	1,000	175	2.61	66	2.39	61	2,387	10,620	2.00	0.91
0500.200.1050	5.00	127	2.00	51	1,050	184	2.72	69	2.28	58	2,398	10,669	2.13	0.97
0500.200.1100	5.00	127	2.00	51	1,100	193	2.82	72	2.18	55	2,397	10,664	2.27	1.03
0500.200.1150	5.00	127	2.00	51	1,150	201	2.72	69	2.28	58	2,616	11,643	2.19	0.99
0500.200.1200	5.00	127	2.00	51	1,200	210	2.88	73	2.12	54	2,545	11,325	2.38	1.08
0500.200.1250	5.00	127	2.00	51	1,250	219	2.78	71	2.22	56	2,774	12,344	2.29	1.04
0500.200.1300	5.00	127	2.00	51	1,300	228	2.89	73	2.11	54	2,748	12,228	2.44	1.11
0500.200.1350	5.00	127	2.00	51	1,350	237	2.79	71	2.21	56	2,989	13,301	2.35	1.06
0500.200.1400	5.00	127	2.00	51	1,400	245	2.94	75	2.06	52	2,880	12,815	2.54	1.15
0500.200.1500	5.00	127	2.00	51	1,500	263	3.00	76	2.00	51	3,001	13,352	2.65	1.20
0500.200.1600	5.00	127	2.00	51	1,600	280	3.00	76	2.00	51	3,195	14,217	2.71	1.23
0500.200.1700	5.00	127	2.00	51	1,700	298	3.11	79	1.89	48	3,209	14,278	2.88	1.31
0500.200.1800	5.00	127	2.00	51	1,800	315	3.17	81	1.83	46	3,295	14,663	2.99	1.36
0500.200.1900	5.00	127	2.00	51	1,900	333	3.00	76	2.00	51	3,793	16,876	2.83	1.28
0500.200.2000	5.00	127	2.00	51	2,000	350	3.11	79	1.89	48	3,772	16,787	3.00	1.36
0500.200.2100	5.00	127	2.00	51	2,100	368	3.17	81	1.83	46	3,847	17,118	3.12	1.41
0500.200.2200	5.00	127	2.00	51	2,200	385	3.28	83	1.72	44	3,782	16,827	3.30	1.50
0500.200.2400	5.00	127	2.00	51	2,400	420	3.22	82	1.78	45	4,276	19,026	3.30	1.50
0500.200.2600	5.00	127	2.00	51	2,600	455	3.21	82	1.79	45	4,649	20,688	3.35	1.52
0500.200.2800	5.00	127	2.00	51	2,800	491	3.26	83	1.74	44	4,858	21,618	3.48	1.58
0500.200.3000	5.00	127	2.00	51	3,000	526	3.26	83	1.74	44	5,233	23,288	3.53	1.60



# Coil-Over 2.25" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>4.00</b> (Length in inches)														
0400.225.0350	4.00	102	2.25	57	350	61	1.51	38	2.49	63	872	3,878	0.87	0.39
0400.225.0400	4.00	102	2.25	57	400	70	1.61	41	2.39	61	955	4,250	0.98	0.45
0400.225.0450	4.00	102	2.25	57	450	79	1.62	41	2.38	60	1,071	4,765	1.02	0.46
0400.225.0500	4.00	102	2.25	57	500	88	1.66	42	2.34	59	1,168	5,196	1.08	0.49
0400.225.0550	4.00	102	2.25	57	550	96	1.71	43	2.29	58	1,260	5,609	1.14	0.52
0400.225.0600	4.00	102	2.25	57	600	105	1.75	44	2.25	57	1,349	6,002	1.20	0.55
0400.225.0650	4.00	102	2.25	57	650	114	1.80	46	2.20	56	1,433	6,376	1.27	0.58
0400.225.0700	4.00	102	2.25	57	700	123	1.88	48	2.12	54	1,483	6,600	1.37	0.62
0400.225.0750	4.00	102	2.25	57	750	131	1.93	49	2.07	53	1,556	6,923	1.44	0.65
0400.225.0775	4.00	102	2.25	57	775	136	1.95	50	2.05	52	1,589	7,070	1.50	0.68
0400.225.0800	4.00	102	2.25	57	800	140	2.01	51	1.99	51	1,589	7,071	1.55	0.70
0400.225.0825	4.00	102	2.25	57	825	144	1.97	50	2.03	51	1,676	7,458	1.52	0.69
0400.225.0850	4.00	102	2.25	57	850	149	1.93	49	2.07	53	1,762	7,840	1.48	0.67
0400.225.0875	4.00	102	2.25	57	875	153	1.95	50	2.05	52	1,794	7,983	1.55	0.70
0400.225.0900	4.00	102	2.25	57	900	158	1.97	50	2.03	52	1,826	8,126	1.55	0.70
0400.225.0950	4.00	102	2.25	57	950	166	1.93	49	2.07	53	1,970	8,764	1.51	0.69
0400.225.1000	4.00	102	2.25	57	1,000	175	1.97	50	2.03	52	2,031	9,036	1.59	0.72
0400.225.1050	4.00	102	2.25	57	1,050	184	2.06	52	1.94	49	2,038	9,071	1.70	0.77
0400.225.1100	4.00	102	2.25	57	1,100	193	2.01	51	1.99	51	2,187	9,730	1.66	0.76
0400.225.1150	4.00	102	2.25	57	1,150	201	2.10	53	1.90	48	2,182	9,711	1.79	0.81
0400.225.1200	4.00	102	2.25	57	1,200	210	2.19	56	1.81	46	2,167	9,641	1.91	0.87
0400.225.1250	4.00	102	2.25	57	1,250	219	2.10	53	1.90	48	2,377	10,579	1.82	0.83
0400.225.1300	4.00	102	2.25	57	1,300	228	2.19	56	1.81	46	2,353	10,472	1.95	0.89
0400.225.1350	4.00	102	2.25	57	1,350	237	2.14	54	1.86	47	2,510	11,168	1.90	0.86
0400.225.1400	4.00	102	2.25	57	1,400	245	2.23	57	1.77	45	2,473	11,003	2.04	0.92
0400.225.1500	4.00	102	2.25	57	1,500	263	2.28	58	1.72	44	2,584	11,497	2.13	0.96
0400.225.1600	4.00	102	2.25	57	1,600	280	2.18	55	1.82	46	2,920	12,992	2.02	0.92
0400.225.1700	4.00	102	2.25	57	1,700	298	2.22	56	1.78	45	3,031	13,488	2.11	0.96
0400.225.1800	4.00	102	2.25	57	1,800	315	2.31	59	1.69	43	3,039	13,522	2.25	1.02
0400.225.1900	4.00	102	2.25	57	1,900	333	2.35	60	1.65	42	3,126	13,910	2.34	1.06
0400.225.2000	4.00	102	2.25	57	2,000	350	2.40	61	1.60	41	3,205	14,260	2.44	1.11
0400.225.2100	4.00	102	2.25	57	2,100	368	2.34	59	1.66	42	3,481	15,489	2.38	1.08
0400.225.2200	4.00	102	2.25	57	2,200	385	2.38	60	1.62	41	3,555	15,818	2.47	1.12
0400.225.2300	4.00	102	2.25	57	2,300	403	2.43	62	1.57	40	3,620	16,109	2.57	1.17
0400.225.2400	4.00	102	2.25	57	2,400	420	2.37	60	1.63	41	3,914	17,415	2.50	1.14
0400.225.2500	4.00	102	2.25	57	2,500	438	2.47	63	1.53	39	3,829	17,033	2.67	1.21
0400.225.2600	4.00	102	2.25	57	2,600	455	2.41	61	1.59	40	4,134	18,397	2.60	1.18
0400.225.2700	4.00	102	2.25	57	2,700	473	2.45	62	1.55	39	4,182	18,604	3.52	1.60
0400.225.2800	4.00	102	2.25	57	2,800	491	2.55	65	1.45	37	4,056	18,047	2.87	1.30
0400.225.3000	4.00	102	2.25	57	3,000	526	2.53	64	1.47	37	4,403	19,593	2.90	1.32
0400.225.3200	4.00	102	2.25	57	3,200	561	2.57	65	1.43	36	4,566	20,316	3.00	1.36
0400.225.3400	4.00	102	2.25	57	3,400	596	2.61	66	1.39	35	4,712	20,967	3.11	1.41
0400.225.3600	4.00	102	2.25	57	3,600	631	2.73	69	1.27	32	4,578	20,371	3.42	1.55
<b>5.00</b> (Length in inches)														
0500.225.0300	5.00	127	2.25	57	300	53	1.77	45	3.23	82	969	4,312	1.06	0.48
0500.225.0325	5.00	127	2.25	57	325	57	1.86	47	3.14	80	1,020	4,541	1.15	0.52
0500.225.0350	5.00	127	2.25	57	350	61	1.95	50	3.05	77	1,068	4,753	1.24	0.56
0500.225.0375	5.00	127	2.25	57	375	66	2.13	54	2.87	73	1,076	488	1.60	0.73
0500.225.0400	5.00	127	2.25	57	400	70	1.96	50	3.04	77	1,214	5,404	1.29	0.58

Continued





# Coil-Over 2.25" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>5.00</b> (Length in inches)														
0500.225.0425	5.00	127	2.25	57	425	74	2.15	55	2.85	72	1,211	549	1.66	0.75
0500.225.0450	5.00	127	2.25	57	450	79	2.15	55	2.85	72	1,284	5,716	1.49	0.68
0500.225.0475	5.00	127	2.25	57	475	83	2.07	53	2.93	74	1,393	6,200	1.44	0.65
0500.225.0500	5.00	127	2.25	57	500	88	2.16	55	2.84	72	1,420	6,321	1.55	0.70
0500.225.0525	5.00	127	2.25	57	525	92	2.30	58	2.70	69	1,418	643	1.89	0.86
0500.225.0550	5.00	127	2.25	57	550	96	2.21	56	2.79	71	1,534	6,824	1.63	0.74
0500.225.0575	5.00	127	2.25	57	575	101	2.25	57	2.75	70	1,568	711	1.59	0.72
0500.225.0600	5.00	127	2.25	57	600	105	2.26	57	2.74	70	1,642	7,304	1.71	0.78
0500.225.0625	5.00	127	2.25	57	625	109	2.41	61	2.59	66	1,618	734	2.08	0.94
0500.225.0650	5.00	127	2.25	57	650	114	2.32	59	2.68	68	1,744	7,760	1.80	0.82
0500.225.0700	5.00	127	2.25	57	700	123	2.37	60	2.63	67	1,841	8,193	1.89	0.86
0500.225.0750	5.00	127	2.25	57	750	131	2.42	61	2.58	66	1,933	8,604	1.98	0.90
0500.225.0800	5.00	127	2.25	57	800	140	2.33	59	2.67	68	2,135	9,499	1.90	0.86
0500.225.0825	5.00	127	2.25	57	825	145	2.47	63	2.53	64	2,083	9,270	2.08	0.94
0500.225.0850	5.00	127	2.25	57	850	149	2.43	62	2.57	65	2,186	9,725	2.03	0.92
0500.225.0875	5.00	127	2.25	57	875	153	2.53	64	2.47	63	2,163	9,627	2.17	0.99
0500.225.0900	5.00	127	2.25	57	900	158	2.48	63	2.52	64	2,268	10,091	2.13	0.97
0500.225.0950	5.00	127	2.25	57	950	166	2.58	66	2.42	61	2,299	10,229	2.27	1.03
0500.225.1000	5.00	127	2.25	57	1,000	175	2.48	63	2.52	64	2,516	11,196	2.18	0.99
0500.225.1025	5.00	127	2.25	57	1,025	179	2.58	66	2.42	61	2,477	11,016	2.63	1.20
0500.225.1050	5.00	127	2.25	57	1,050	184	2.58	66	2.42	61	2,537	11,291	2.33	1.06
0500.225.1100	5.00	127	2.25	57	1,100	193	2.64	67	2.36	60	2,601	11,574	2.43	1.10
0500.225.1150	5.00	127	2.25	57	1,150	201	2.59	66	2.41	61	2,777	12,358	2.38	1.08
0500.225.1200	5.00	127	2.25	57	1,200	210	2.69	68	2.31	59	2,776	12,351	2.54	1.15
0500.225.1250	5.00	127	2.25	57	1,250	219	2.74	70	2.26	57	2,827	12,579	2.64	1.20
0500.225.1300	5.00	127	2.25	57	1,300	228	2.69	68	2.31	59	3,007	13,382	2.59	1.17
0500.225.1350	5.00	127	2.25	57	1,350	237	2.79	71	2.21	56	2,983	13,273	2.75	1.25
0500.225.1400	5.00	127	2.25	57	1,400	245	2.74	70	2.26	57	3,168	14,095	2.70	1.22
0500.225.1450	5.00	127	2.25	57	1,450	254	2.84	72	2.16	55	3,129	13,923	2.87	1.30
0500.225.1500	5.00	127	2.25	57	1,500	263	2.73	69	2.27	58	3,399	15,126	2.75	1.25
0500.225.1550	5.00	127	2.25	57	1,550	272	2.89	73	2.11	54	3,265	14,528	2.98	1.35
0500.225.1600	5.00	127	2.25	57	1,600	280	2.78	71	2.22	56	3,546	15,781	2.86	1.30
0500.225.1650	5.00	127	2.25	57	1,650	289	2.89	73	2.11	54	3,483	15,497	3.04	1.38
0500.225.1700	5.00	127	2.25	57	1,700	298	2.83	72	2.17	55	3,684	16,392	2.97	1.35
0500.225.1750	5.00	127	2.25	57	1,750	307	2.94	75	2.06	52	3,605	16,040	3.15	1.43
0500.225.1800	5.00	127	2.25	57	1,800	315	2.88	73	2.12	54	3,811	16,959	3.09	1.40
0500.225.1850	5.00	127	2.25	57	1,850	324	2.83	72	2.17	55	4,022	17,897	3.02	1.37
0500.225.1900	5.00	127	2.25	57	1,900	333	2.99	76	2.01	51	3,818	16,989	3.28	1.49
0500.225.2000	5.00	127	2.25	57	2,000	350	2.87	73	2.13	54	4,251	18,917	3.14	1.43
0500.225.2100	5.00	127	2.25	57	2,100	368	2.92	74	2.08	53	4,361	19,407	3.26	1.48
0500.225.2200	5.00	127	2.25	57	2,200	385	2.97	75	2.03	52	4,462	19,853	3.38	1.53
0500.225.2300	5.00	127	2.25	57	2,300	403	3.08	78	1.92	49	4,412	19,631	3.58	1.62
0500.225.2400	5.00	127	2.25	57	2,400	420	3.05	77	1.95	50	4,677	20,813	3.53	1.60
0500.225.2500	5.00	127	2.25	57	2,500	438	3.07	78	1.93	49	4,827	21,478	3.63	1.65
0500.225.2600	5.00	127	2.25	57	2,600	455	3.12	79	1.88	48	4,893	21,773	3.76	1.71
0500.225.2700	5.00	127	2.25	57	2,700	473	3.06	78	1.94	49	5,251	23,367	3.68	1.67
0500.225.2800	5.00	127	2.25	57	2,800	491	3.61	92	1.39	35	3,880	17,267	4.76	2.16
0500.225.2900	5.00	127	2.25	57	2,900	508	3.48	88	1.52	39	4,407	19,611	4.58	2.08
0500.225.3000	5.00	127	2.25	57	3,000	526	3.41	87	1.59	40	4,760	21,180	4.49	2.04
0500.225.3100	5.00	127	2.25	57	3,100	543	3.35	85	1.65	42	5,126	22,810	4.39	1.99
0500.225.3200	5.00	127	2.25	57	3,200	561	3.58	91	1.42	36	4,535	20,182	4.89	2.22

Continued

# Coil-Over 2.25" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>5.00</b> (Length in inches)														
0500.225.3300	5.00	127	2.25	57	3,300	578	3.51	89	1.49	38	4,905	21,824	4.78	2.17
0500.225.3400	5.00	127	2.25	57	3,400	596	3.44	87	1.56	40	5,287	23,528	4.69	2.13
0500.225.3500	5.00	127	2.25	57	3,500	613	3.69	94	1.31	33	4,602	20,480	5.20	2.36
0500.225.3600	5.00	127	2.25	57	3,600	631	3.61	92	1.39	35	4,989	22,200	5.10	2.31
0500.225.3800	5.00	127	2.25	57	3,800	666	3.47	88	1.53	39	5,805	25,830	4.89	2.22
0500.225.4000	5.00	127	2.25	57	4,000	701	3.71	94	1.29	33	5,142	22,880	5.42	2.46
0500.225.4100	5.00	127	2.25	57	4,100	718	3.72	94	1.28	32	5,230	23,274	5.42	2.46
0500.225.4500	5.00	127	2.25	57	4,500	788	3.74	95	1.26	32	5,669	25,227	5.64	2.56
<b>6.00</b> (Length in inches)														
0600.225.0200	6.00	152	2.25	57	200	35	1.93	49	4.07	103	814	3,622	1.09	0.49
0600.225.0250	6.00	152	2.25	57	250	44	2.25	57	3.75	95	938	4,172	1.40	0.64
0600.225.0300	6.00	152	2.25	57	300	53	2.22	56	3.78	96	1,134	5,048	1.60	0.73
0600.225.0350	6.00	152	2.25	57	350	61	2.36	60	3.64	92	1,274	5,668	1.61	0.73
0600.225.0375	6.00	152	2.25	57	375	66	2.56	65	3.44	87	1,290	585	1.72	0.78
0600.225.0400	6.00	152	2.25	57	400	70	2.58	66	3.42	87	1,369	6,090	1.85	0.84
0600.225.0425	6.00	152	2.25	57	425	74	2.62	67	3.38	86	1,436	652	2.15	0.98
0600.225.0450	6.00	152	2.25	57	450	79	2.54	65	3.46	88	1,556	6,923	1.89	0.86
0600.225.0475	6.00	152	2.25	57	475	83	2.79	71	3.21	82	1,524	691	2.42	1.10
0600.225.0500	6.00	152	2.25	57	500	88	2.56	65	3.44	87	1,720	7,652	1.95	0.89
0600.225.0525	6.00	152	2.25	57	525	92	2.81	71	3.19	81	1,673	759	2.50	1.13
0600.225.0550	6.00	152	2.25	57	550	96	2.62	67	3.38	86	1,859	8,272	2.05	0.93
0600.225.0575	6.00	152	2.25	57	575	101	2.88	73	3.12	79	1,795	814	2.63	1.19
0600.225.0600	6.00	152	2.25	57	600	105	2.64	67	3.36	85	2,019	8,983	2.11	0.96
0600.225.0625	6.00	152	2.25	57	625	109	2.90	74	3.10	79	1,940	880	2.71	1.23
0600.225.0650	6.00	152	2.25	57	650	114	2.69	68	3.31	84	2,149	9,563	2.22	1.01
0600.225.0675	6.00	152	2.25	57	675	118	2.75	70	3.25	83	2,190	9,746	2.29	1.04
0600.225.0700	6.00	152	2.25	57	700	123	2.81	71	3.19	81	2,230	9,922	2.36	1.07
0600.225.0750	6.00	152	2.25	57	750	131	2.86	73	3.14	80	2,356	10,485	2.47	1.12
0600.225.0800	6.00	152	2.25	57	800	140	2.92	74	3.08	78	2,466	10,972	2.59	1.10
0600.225.0825	6.00	152	2.25	57	825	144	2.95	75	3.05	77	2,518	11,203	2.65	1.20
0600.225.0850	6.00	152	2.25	57	850	149	2.98	76	3.02	77	2,569	11,433	2.71	1.23
0600.225.0875	6.00	152	2.25	57	875	153	3.04	77	2.97	75	2,596	11,550	2.79	1.27
0600.225.0900	6.00	152	2.25	57	900	158	3.09	78	2.91	74	2,622	11,666	2.87	1.30
0600.225.0950	6.00	152	2.25	57	950	166	3.15	80	2.85	72	2,710	12,058	3.00	1.36
0600.225.1000	6.00	152	2.25	57	1,000	175	3.05	77	2.95	75	2,955	13,148	2.89	1.31
0600.225.1100	6.00	152	2.25	57	1,100	193	3.27	83	2.73	69	3,005	13,370	3.25	1.48
0600.225.1200	6.00	152	2.25	57	1,200	210	3.28	83	2.72	69	3,270	14,550	3.33	1.51
0600.225.1300	6.00	152	2.25	57	1,300	228	3.28	83	2.72	69	3,537	15,737	3.40	1.54
0600.225.1400	6.00	152	2.25	57	1,400	245	3.28	83	2.72	69	3,805	16,933	3.48	1.58
0600.225.1450	6.00	152	2.25	57	1,450	254	3.31	84	2.69	68	3,898	17,346	3.55	1.61
0600.225.1500	6.00	152	2.25	57	1,500	263	3.34	85	2.66	68	3,991	17,759	3.61	1.64
0600.225.1600	6.00	152	2.25	57	1,600	280	3.34	85	2.66	68	4,258	18,946	3.68	1.67
0600.225.1700	6.00	152	2.25	57	1,700	298	3.40	86	2.60	66	4,427	19,701	3.82	1.73
0600.225.1800	6.00	152	2.25	57	1,800	315	3.45	88	2.55	65	4,586	20,406	3.96	1.80
0600.225.2000	6.00	152	2.25	57	2,000	350	3.57	91	2.43	62	4,869	21,667	4.26	1.93
0600.225.2200	6.00	152	2.25	57	2,200	385	3.56	90	2.44	62	5,370	23,896	4.33	1.96
0600.225.2500	6.00	152	2.25	57	2,500	438	3.88	99	2.12	54	5,295	23,563	5.13	2.33
0600.225.2800	6.00	152	2.25	57	2,800	491	4.00	102	2.00	51	5,611	24,968	5.48	2.49



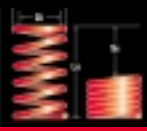


# Coil-Over 2.25" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>7.00</b> (Length in inches)														
0700.225.0150	7.00	178	2.25	57	150	26	2.16	55	4.84	123	726	3,231	1.18	0.54
0700.225.0200	7.00	178	2.25	57	200	35	2.43	62	4.57	116	914	4,068	1.47	0.67
0700.225.0250	7.00	178	2.25	57	250	44	2.49	63	4.51	115	1,126	5,012	1.61	0.73
0700.225.0300	7.00	178	2.25	57	300	53	2.67	68	4.33	110	1,300	5,783	1.83	0.83
0700.225.0325	7.00	178	2.25	57	325	57	2.95	75	4.05	103	1,315	5,850	2.02	0.92
0700.225.0350	7.00	178	2.25	57	350	61	2.84	72	4.16	106	1,454	6,471	2.07	0.94
0700.225.0375	7.00	178	2.25	57	375	66	3.06	78	3.94	100	1,478	671	2.20	1.00
0700.225.0400	7.00	178	2.25	57	400	70	3.07	78	3.93	100	1,573	6,998	2.36	1.07
0700.225.0425	7.00	178	2.25	57	425	74	3.13	80	3.87	98	1,644	746	2.71	1.23
0700.225.0450	7.00	178	2.25	57	450	79	3.05	77	3.95	100	1,776	7,903	2.41	1.09
0700.225.0475	7.00	178	2.25	57	475	83	3.31	84	3.69	94	1,747	793	3.00	1.36
0700.225.0500	7.00	178	2.25	57	500	88	3.03	77	3.97	101	1,983	8,824	2.45	1.11
0700.225.0525	7.00	178	2.25	57	525	92	3.31	84	3.69	94	1,940	880	3.09	1.40
0700.225.0550	7.00	178	2.25	57	550	96	3.35	85	3.65	93	2,005	8,923	2.86	1.30
0700.225.0600	7.00	178	2.25	57	600	105	3.38	86	3.62	92	2,173	9,670	2.95	1.34
0700.225.0650	7.00	178	2.25	57	650	114	3.40	86	3.60	91	2,340	10,413	3.04	1.38
0700.225.0700	7.00	178	2.25	57	700	123	3.47	88	3.53	90	2,472	10,998	3.17	1.44
0700.225.0750	7.00	178	2.25	57	750	131	3.54	90	3.46	88	2,596	11,551	3.32	1.50
0700.225.0775	7.00	178	2.25	57	775	136	3.58	91	3.43	87	2,655	11,813	3.39	1.54
0700.225.0800	7.00	178	2.25	57	800	140	3.61	92	3.39	86	2,713	12,074	3.46	1.57
0700.225.0850	7.00	178	2.25	57	850	149	3.45	88	3.55	90	3,013	13,409	3.30	1.50
0700.225.0900	7.00	178	2.25	57	900	158	3.52	89	3.48	88	3,131	13,932	3.45	1.56
0700.225.0950	7.00	178	2.25	57	950	166	3.64	92	3.36	85	3,191	14,200	3.64	1.65
0700.225.0975	7.00	178	2.25	57	975	171	3.70	94	3.30	84	3,215	14,305	3.75	1.70
0700.225.1000	7.00	178	2.25	57	1,000	175	3.76	96	3.24	82	3,238	14,408	3.85	1.75
0700.225.1100	7.00	178	2.25	57	1,100	193	3.72	94	3.28	83	3,607	16,053	3.89	1.76





# Coil-Over 2.25" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>8.00</b> (Length in inches)														
0800.225.0150	8.00	203	2.25	57	150	26	2.73	69	5.27	134	791	3,518	1.61	0.73
0800.225.0185	8.00	203	2.25	57	185	32	2.98	76	5.02	128	929	422	1.82	0.83
0800.225.0200	8.00	203	2.25	57	200	35	2.95	75	5.05	128	1,010	4,495	1.96	0.89
0800.225.0225	8.00	203	2.25	57	225	39	3.11	79	4.89	124	1,102	500	2.01	0.91
0800.225.0250	8.00	203	2.25	57	250	44	3.09	78	4.91	125	1,227	5,462	2.13	0.97
0800.225.0275	8.00	203	2.25	57	275	48	3.25	83	4.75	121	1,306	593	2.23	1.01
0800.225.0300	8.00	203	2.25	57	300	53	3.21	82	4.79	122	1,438	6,397	2.34	1.06
0800.225.0325	8.00	203	2.25	57	325	57	3.41	87	4.59	117	1,491	676	2.48	1.13
0800.225.0350	8.00	203	2.25	57	350	61	3.41	87	4.59	117	1,608	7,153	2.63	1.19
0800.225.0375	8.00	203	2.25	57	375	66	3.64	92	4.36	111	1,636	742	2.79	1.27
0800.225.0400	8.00	203	2.25	57	400	70	3.36	85	4.64	118	1,857	8,265	2.66	1.21
0800.225.0425	8.00	203	2.25	57	425	74	3.48	88	4.52	115	1,922	8,554	2.83	1.28
0800.225.0450	8.00	203	2.25	57	450	79	3.60	91	4.40	112	1,980	8,812	3.00	1.36
0800.225.0475	8.00	203	2.25	57	475	83	3.77	96	4.23	107	2,009	8,941	3.23	1.47
0800.225.0500	8.00	203	2.25	57	500	88	3.59	91	4.41	112	2,207	9,823	3.06	1.39
0800.225.0525	8.00	203	2.25	57	525	92	3.88	99	4.12	105	2,166	983	3.81	1.73
0800.225.0550	8.00	203	2.25	57	550	96	3.61	92	4.39	112	2,412	10,734	3.17	1.44
0800.225.0575	8.00	203	2.25	57	575	101	3.98	101	4.02	102	2,311	1,049	3.45	1.57
0800.225.0600	8.00	203	2.25	57	600	105	3.96	101	4.04	103	2,423	10,783	3.65	1.65
0800.225.0650	8.00	203	2.25	57	650	114	3.99	101	4.01	102	2,606	11,597	3.76	1.71
0800.225.0675	8.00	203	2.25	57	675	118	4.01	102	4.00	102	2,697	12,002	3.82	1.74
0800.225.0700	8.00	203	2.25	57	700	123	4.02	102	3.98	101	2,788	12,404	3.87	1.76
0800.225.0750	8.00	203	2.25	57	750	131	4.09	104	3.91	99	2,928	13,026	4.33	2.00
0800.225.0800	8.00	203	2.25	57	800	140	4.17	106	3.83	97	3,062	13,626	4.20	1.91
0800.225.0850	8.00	203	2.25	57	850	149	4.25	108	3.75	95	3,188	14,185	4.37	1.98
0800.225.0900	8.00	203	2.25	57	900	158	4.09	104	3.91	99	3,522	15,671	4.20	1.91
0800.225.0950	8.00	203	2.25	57	950	166	4.16	106	3.84	98	3,647	16,227	4.37	1.98
0800.225.1000	8.00	203	2.25	57	1,000	175	4.29	109	3.71	94	3,708	16,501	4.61	2.09
<b>9.00</b> (Length in inches)														
0900.225.0150	9.00	229	2.25	57	150	26	3.05	77	5.95	151	893	3,971	1.87	0.85
0900.225.0200	9.00	229	2.25	57	200	35	3.35	85	5.65	144	1,131	5,031	2.25	1.02
0900.225.0250	9.00	229	2.25	57	250	44	3.41	87	5.59	142	1,399	6,224	2.43	1.10
0900.225.0300	9.00	229	2.25	57	300	53	3.53	90	5.47	139	1,640	7,296	2.66	1.21
0900.225.0350	9.00	229	2.25	57	350	61	3.75	95	5.25	133	1,839	8,183	2.98	1.35
0900.225.0400	9.00	229	2.25	57	400	70	3.96	101	5.04	128	2,015	8,968	3.32	1.51
0900.225.0450	9.00	229	2.25	57	450	79	4.28	109	4.72	120	2,126	9,460	3.77	1.71
0900.225.0500	9.00	229	2.25	57	500	88	4.22	107	4.78	121	2,390	10,635	3.81	1.73
0900.225.0550	9.00	229	2.25	57	550	96	4.21	107	4.79	122	2,636	11,728	3.88	1.76
0900.225.0600	9.00	229	2.25	57	600	105	4.58	116	4.42	112	2,652	11,799	4.44	2.01
0900.225.0650	9.00	229	2.25	57	650	114	4.62	117	4.38	111	2,849	12,679	5.96	2.70
0900.225.0700	9.00	229	2.25	57	700	123	4.65	118	4.35	110	3,044	13,547	4.70	2.13
0900.225.0750	9.00	229	2.25	57	750	131	4.74	120	4.26	108	3,198	14,228	4.90	2.22
0900.225.0800	9.00	229	2.25	57	800	140	4.82	122	4.18	106	3,342	14,870	5.09	2.31
0900.225.0900	9.00	229	2.25	57	900	158	5.00	127	4.00	102	3,604	16,038	5.51	2.50
0900.225.1000	9.00	229	2.25	57	1,000	175	4.85	123	4.15	105	4,151	18,472	5.44	2.47





# Tender - 2.25" I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>Tender/Linear</b>														
0175.225.0150	2.79	71	2.25	57	150	26	1.04	26	1.75	44	263	1,168	0.97	0.44
0175.225.0200	3.54	90	2.25	57	200	35	1.79	45	1.75	44	350	1,557	1.85	0.84
0175.225.0250	3.35	85	2.25	57	250	44	1.6	41	1.75	44	438	1,947	1.59	0.72
0175.225.0300	4.26	108	2.25	57	300	53	2.51	64	1.75	44	525	2,336	2.07	0.94
0225.225.0150	3.84	98	2.25	57	150	26	1.59	40	2.25	57	338	1,502	2.34	1.06
0225.225.0200	3.11	79	2.25	57	200	35	0.86	22	2.25	57	450	2,002	1.85	0.84
0225.225.0250	4.32	110	2.25	57	250	44	2.07	53	2.25	57	563	2,503	2.40	1.09
<b>Tender/Progressive</b>														
0200.225.0625	3.85	98	2.25	57	250/625	44/109	1.85	47	2.00	51	898	407	2.00	0.91
0200.225.0850	4.60	117	2.25	57	360/850	63/140	2.60	66	2.00	51	1,235	560	2.9	1.32
<b>Helper</b> (prevents main spring from becoming loose at full droop)														
Helper 225	3.00	76	2.25											
<b>Spacer</b> (ID locating main to Helper/Tender coupling spacer)														
Spacer 225														



# Coil-Over 2.50" I.D

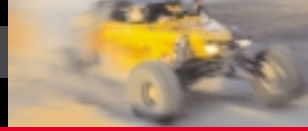
Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>6.00</b> (Length in inches)														
0600.250.0450	6.00	152	2.50	64	450	79	2.49	63	3.51	89	1,580	7,028	2.12	0.96
0600.250.0500	6.00	152	2.50	64	500	88	2.50	64	3.50	89	1,749	7,782	2.18	0.99
0600.250.0550	6.00	152	2.50	64	550	96	2.51	64	3.49	89	1,918	8,535	2.25	1.02
0600.250.0600	6.00	152	2.50	64	600	105	2.57	65	3.43	87	2,060	9,165	2.35	1.07
0600.250.0650	6.00	152	2.50	64	650	114	2.57	65	3.43	87	2,226	9,907	2.42	1.10
0600.250.0700	6.00	152	2.50	64	700	123	2.83	72	3.17	81	2,219	9,874	2.79	1.27
0600.250.0750	6.00	152	2.50	64	750	131	2.73	69	3.27	83	2,451	10,908	2.69	1.22
0600.250.0800	6.00	152	2.50	64	800	140	2.79	71	3.21	82	2,571	11,442	2.81	1.27
0600.250.0850	6.00	152	2.50	64	850	149	2.84	72	3.16	80	2,686	11,950	2.93	1.33
0600.250.0900	6.00	152	2.50	64	900	158	2.90	74	3.10	79	2,794	12,434	3.05	1.39
0600.250.0950	6.00	152	2.50	64	950	166	3.00	76	3.00	76	2,847	12,669	3.24	1.47
0600.250.1000	6.00	152	2.50	64	1,000	175	3.06	78	2.94	75	2,941	13,088	3.37	1.53
0600.250.1050	6.00	152	2.50	64	1,050	184	2.95	75	3.05	77	3,202	14,249	3.25	1.47
0600.250.1100	6.00	152	2.50	64	1,100	193	3.06	78	2.94	75	3,235	14,395	3.44	1.56
0600.250.1150	6.00	152	2.50	64	1,150	201	3.17	81	2.83	72	3,255	14,484	3.64	1.65
0600.250.1200	6.00	152	2.50	64	1,200	210	3.06	78	2.94	75	3,531	15,712	3.51	1.59
0600.250.1250	6.00	152	2.50	64	1,250	219	3.17	81	2.83	72	3,539	15,750	3.71	1.69
0600.250.1300	6.00	152	2.50	64	1,300	228	3.28	83	2.72	69	3,535	15,728	3.93	1.78
0600.250.1350	6.00	152	2.50	64	1,350	237	3.16	80	2.84	72	3,827	17,031	3.78	1.72
0600.250.1400	6.00	152	2.50	64	1,400	245	3.28	83	2.72	69	3,811	16,960	4.00	1.81
0600.250.1450	6.00	152	2.50	64	1,450	254	3.39	86	2.61	66	3,781	16,827	4.23	1.92
<b>7.00</b> (Length in inches)														
0700.250.0275	7.00	178	2.50	64	275	48	2.54	65	4.46	113	1,227	5,458	1.95	0.88
0700.250.0300	7.00	178	2.50	64	300	53	2.60	66	4.40	112	1,319	5,870	2.06	0.93
0700.250.0325	7.00	178	2.50	64	325	57	2.67	68	4.33	110	1,409	6,268	2.17	0.98
0700.250.0350	7.00	178	2.50	64	350	61	2.76	70	4.24	108	1,483	6,597	2.31	1.05
0700.250.0375	7.00	178	2.50	64	375	66	2.88	73	4.12	105	1,545	6,875	2.47	1.12
0700.250.0400	7.00	178	2.50	64	400	70	2.71	69	4.29	109	1,717	7,642	2.32	1.05
0700.250.0450	7.00	178	2.50	64	450	79	2.91	74	4.09	104	1,839	8,185	2.63	1.20
0700.250.0500	7.00	178	2.50	64	500	88	2.94	75	4.06	103	2,031	9,039	2.71	1.23
0700.250.0550	7.00	178	2.50	64	550	96	3.16	80	3.84	98	2,113	9,400	3.07	1.39
0700.250.0600	7.00	178	2.50	64	600	105	3.22	82	3.78	96	2,266	10,083	3.21	1.45
0700.250.0650	7.00	178	2.50	64	650	114	3.23	82	3.77	96	2,451	10,906	3.31	1.50
<b>8.00</b> (Length in inches)														
0800.250.0150	8.00	203	2.50	64	150	26	2.43	62	5.57	141	836	3,718	1.61	0.73
0800.250.0175	8.00	203	2.50	64	175	31	2.68	68	5.32	135	932	4,145	1.90	0.86
0800.250.0200	8.00	203	2.50	64	200	35	2.67	68	5.33	135	1,065	4,740	1.95	0.88
0800.250.0225	8.00	203	2.50	64	225	39	2.71	69	5.29	134	1,191	5,300	2.03	0.92
0800.250.0250	8.00	203	2.50	64	250	44	3.01	76	4.99	127	1,248	5,555	2.39	1.09
0800.250.0275	8.00	203	2.50	64	275	48	3.08	78	4.92	125	1,353	6,021	2.52	1.14
0800.250.0300	8.00	203	2.50	64	300	53	3.11	79	4.89	124	1,467	6,527	2.61	1.19
0800.250.0325	8.00	203	2.50	64	325	57	3.18	81	4.82	122	1,566	6,966	2.74	1.25
0800.250.0350	8.00	203	2.50	64	350	61	3.30	84	4.70	119	1,645	7,321	2.92	1.33
0800.250.0375	8.00	203	2.50	64	375	66	3.12	79	4.88	124	1,829	8,139	2.76	1.25

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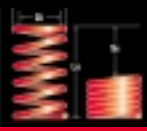




# Coil-Over 2.50" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>8.00</b> (Length in inches)														
0800.250.0400	8.00	203	2.50	64	400	70	3.24	82	4.76	121	1,905	8,478	2.93	1.33
0800.250.0425	8.00	203	2.50	64	425	74	3.31	84	4.69	119	1,994	8,874	3.07	1.39
0800.250.0450	8.00	203	2.50	64	450	79	3.43	87	4.57	116	2,059	9,161	3.26	1.48
0800.250.0475	8.00	203	2.50	64	475	83	3.59	91	4.41	112	2,093	9,315	3.51	1.59
0800.250.0500	8.00	203	2.50	64	500	88	3.45	88	4.55	116	2,276	10,127	3.36	1.53
0800.250.0525	8.00	203	2.50	64	525	92	3.82	97	4.18	106	2,197	997	3.67	1.67
0800.250.0550	8.00	203	2.50	64	550	96	3.69	94	4.31	109	2,371	10,550	3.77	1.71
0800.250.0600	8.00	203	2.50	64	600	105	3.71	94	4.29	109	2,574	11,452	3.88	1.76
0800.250.0650	8.00	203	2.50	64	650	114	3.73	95	4.27	108	2,776	12,351	3.99	1.81
0800.250.0700	8.00	203	2.50	64	700	123	3.80	97	4.20	107	2,940	13,081	4.15	1.88
0800.250.0750	8.00	203	2.50	64	750	131	3.87	98	4.13	105	3,097	13,782	4.32	1.96
0800.250.0800	8.00	203	2.50	64	800	140	3.89	99	4.11	104	3,291	14,646	4.43	2.01
0800.250.0850	8.00	203	2.50	64	850	149	3.96	101	4.04	103	3,438	15,299	4.60	2.09
0800.250.0900	8.00	203	2.50	64	900	158	4.08	104	3.92	100	3,526	15,691	4.85	2.20
0800.250.0950	8.00	203	2.50	64	950	166	4.15	105	3.85	98	3,656	16,267	5.03	2.28
0800.250.1000	8.00	203	2.50	64	1,000	175	4.22	107	3.78	96	3,778	16,809	5.22	2.37
0800.250.1025	8.00	203	2.50	64	1,025	179	4.29	109	3.72	94	3,804	16,928	5.36	2.43
0800.250.1050	8.00	203	2.50	64	1,050	184	4.35	110	3.65	93	3,830	17,041	5.49	2.49
0800.250.1100	8.00	203	2.50	64	1,100	193	4.17	106	3.83	97	4,210	18,733	5.26	2.38
0800.250.1150	8.00	203	2.50	64	1,150	201	4.30	109	3.70	94	4,252	18,922	5.53	2.51
0800.250.1200	8.00	203	2.50	64	1,200	210	4.37	111	3.63	92	4,354	19,375	5.73	2.60
<b>10.00</b> (Length in inches)														
1000.250.0100	10.00	254	2.50	64	100	18	1.43	36	8.57	218	857	389	2.31	1.05
1000.250.0150	10.00	254	2.50	64	150	26	3.04	77	6.96	177	1,044	4,646	2.16	0.98
1000.250.0175	10.00	254	2.50	64	175	31	3.32	84	6.68	170	1,169	5,201	2.51	1.14
1000.250.0200	10.00	254	2.50	64	200	35	3.61	92	6.39	162	1,278	5,685	2.90	1.31
1000.250.0225	10.00	254	2.50	64	225	39	3.62	92	6.38	162	1,436	6,390	2.98	1.35
1000.250.0250	10.00	254	2.50	64	250	44	3.62	92	6.38	162	1,595	7,099	3.06	1.39
1000.250.0275	10.00	254	2.50	64	275	48	4.01	102	5.99	152	1,648	7,332	3.58	1.62
1000.250.0300	10.00	254	2.50	64	300	53	4.05	103	5.95	151	1,784	7,940	3.71	1.68
1000.250.0325	10.00	254	2.50	64	325	57	4.14	105	5.86	149	1,904	8,474	3.88	1.76
1000.250.0350	10.00	254	2.50	64	350	61	4.28	109	5.72	145	2,004	8,915	4.10	1.86
1000.250.0375	10.00	254	2.50	64	375	66	4.32	110	5.68	144	2,131	9,484	4.25	1.93
1000.250.0400	10.00	254	2.50	64	400	70	4.45	113	5.55	141	2,219	9,872	4.49	2.04
1000.250.0425	10.00	254	2.50	64	425	74	4.59	117	5.41	137	2,298	10,226	4.74	2.15
1000.250.0450	10.00	254	2.50	64	450	79	4.57	116	5.43	138	2,445	10,878	4.59	2.08
1000.250.0500	10.00	254	2.50	64	500	88	4.62	117	5.38	137	2,692	11,978	4.98	2.26
1000.250.0550	10.00	254	2.50	64	550	96	4.60	117	5.40	137	2,971	13,222	5.06	2.30
1000.250.0600	10.00	254	2.50	64	600	105	4.93	125	5.07	129	3,040	13,528	5.67	2.57
1000.250.0650	10.00	254	2.50	64	650	114	4.96	126	5.04	128	3,273	14,563	5.83	2.64
1000.250.0700	10.00	254	2.50	64	700	123	5.00	127	5.00	127	3,503	15,589	5.98	2.71
1000.250.0725	10.00	254	2.50	64	725	127	5.01	127	4.99	127	3,618	16,100	6.06	2.75
1000.250.0750	10.00	254	2.50	64	750	131	5.02	128	4.98	126	3,733	16,609	6.14	2.78
1000.250.0800	10.00	254	2.50	64	800	140	5.11	130	4.89	124	3,913	17,414	6.37	2.89



# Coil-Over 2.50" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>12.00</b> (Length in inches)														
1200.250.0080	12.00	305	2.50	64	80	14	3.23	82	8.77	223	702	3,122	2.04	0.93
1200.250.0090	12.00	305	2.50	64	90	16	3.33	85	8.67	220	780	3,472	2.17	0.98
1200.250.0100	12.00	305	2.50	64	100	18	3.43	87	8.57	218	857	3,815	2.31	1.05
1200.250.0110	12.00	305	2.50	64	110	19	3.53	90	8.47	215	932	4,148	2.45	1.11
1200.250.0120	12.00	305	2.50	64	120	21	3.66	93	8.34	212	1,001	4,453	2.62	1.19
1200.250.0125	12.00	305	2.50	64	125	22	3.95	100	8.05	204	1,007	4,480	2.92	1.32
1200.250.0130	12.00	305	2.50	64	130	23	3.83	97	8.17	208	1,062	4,724	2.83	1.29
1200.250.0140	12.00	305	2.50	64	140	25	4.01	102	7.99	203	1,118	4,977	3.06	1.39
1200.250.0150	12.00	305	2.50	64	150	26	4.19	106	7.81	198	1,171	5,211	3.29	1.49
1200.250.0165	12.00	305	2.50	64	165	29	4.20	107	7.80	198	1,288	5,729	3.43	1.56
1200.250.0175	12.00	305	2.50	64	175	31	4.06	103	7.94	202	1,390	6,187	3.27	1.48
1200.250.0185	12.00	305	2.50	64	185	32	4.24	108	7.76	197	1,436	6,391	3.51	1.59
1200.250.0200	12.00	305	2.50	64	200	35	4.38	111	7.62	194	1,524	6,781	3.73	1.69
1200.250.0225	12.00	305	2.50	64	225	39	4.76	121	7.24	184	1,629	7,247	4.27	1.94
1200.250.0250	12.00	305	2.50	64	250	44	4.73	120	7.27	185	1,817	8,086	4.35	1.97
1200.250.0275	12.00	305	2.50	64	275	48	4.79	122	7.21	183	1,983	8,826	4.51	2.05
1200.250.0300	12.00	305	2.50	64	300	53	4.84	123	7.16	182	2,147	9,555	4.67	2.12
1200.250.0325	12.00	305	2.50	64	325	57	4.90	124	7.10	180	2,309	10,275	4.84	2.19
1200.250.0350	12.00	305	2.50	64	350	61	5.00	127	7.00	178	2,452	10,909	5.05	2.29
1200.250.0375	12.00	305	2.50	64	375	66	5.09	129	6.91	176	2,589	11,522	5.28	2.39
1200.250.0400	12.00	305	2.50	64	400	70	5.19	132	6.81	173	2,722	12,113	5.50	2.50
1200.250.0425	12.00	305	2.50	64	425	74	5.35	136	6.65	169	2,828	12,582	5.79	2.63
1200.250.0450	12.00	305	2.50	64	450	79	5.45	138	6.55	166	2,948	13,120	6.03	2.74
1200.250.0475	12.00	305	2.50	64	475	83	5.60	142	6.40	163	3,039	13,522	6.34	2.88
1200.250.0500	12.00	305	2.50	64	500	88	5.76	146	6.24	158	3,120	13,884	6.66	3.02
1200.250.0525	12.00	305	2.50	64	525	92	5.54	141	6.46	164	3,392	15,093	6.40	2.90
1200.250.0550	12.00	305	2.50	64	550	96	5.69	145	6.31	160	3,468	15,432	6.72	3.05
1200.250.0600	12.00	305	2.50	64	600	105	6.07	154	5.93	151	3,559	15,836	7.46	3.39
1200.250.0625	12.00	305	2.50	64	625	109	5.84	148	6.16	156	3,852	17,142	7.17	3.25
1200.250.0650	12.00	305	2.50	64	650	114	6.05	154	5.95	151	3,865	17,201	7.59	3.44
1200.250.0700	12.00	305	2.50	64	700	123	6.09	155	5.91	150	4,134	18,396	7.79	3.53
1200.250.0750	12.00	305	2.50	64	750	131	6.07	154	5.93	151	4,446	19,785	7.91	3.59
1200.250.0800	12.00	305	2.50	64	800	140	6.17	157	5.83	148	4,664	20,755	8.19	3.72
1200.250.0900	12.00	305	2.50	64	900	158	7.36	187	4.64	118	4,174	18,574	10.80	4.90
1200.250.1000	12.00	305	2.50	64	1,000	175	7.51	191	4.49	114	4,490	19,980	11.41	5.17
<b>14.00</b> (Length in inches)														
1400.250.0080	14.00	356	2.50	64	80	14	4.15	105	9.85	250	788	3,506	2.81	1.27
1400.250.0090	14.00	356	2.50	64	90	16	4.20	107	9.80	249	882	3,925	2.93	1.33
1400.250.0100	14.00	356	2.50	64	100	18	4.32	110	9.68	246	968	4,309	3.11	1.41
1400.250.0110	14.00	356	2.50	64	110	19	4.43	113	9.57	243	1,052	4,683	3.29	1.49
1400.250.0120	14.00	356	2.50	64	120	21	4.55	116	9.45	240	1,134	5,047	3.48	1.58
1400.250.0125	14.00	356	2.50	64	125	22	4.85	123	9.15	232	1,144	5,089	3.86	1.75
1400.250.0130	14.00	356	2.50	64	130	23	4.74	120	9.26	235	1,203	5,354	3.73	1.69
1400.250.0140	14.00	356	2.50	64	140	25	4.90	124	9.10	231	1,274	5,667	3.97	1.80
1400.250.0150	14.00	356	2.50	64	150	26	4.62	117	9.38	238	1,407	6,261	3.73	1.69
1400.250.0165	14.00	356	2.50	64	165	29	5.12	130	8.88	226	1,465	6,519	4.43	2.01
1400.250.0175	14.00	356	2.50	64	175	31	4.93	125	9.07	230	1,587	7,062	4.21	1.91
1400.250.0180	14.00	356	2.50	64	185	32	5.11	130	8.89	226	1,645	7,318	4.54	2.06

Continued





# Coil-Over 2.50" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>14.00</b> (Length in inches)														
1400.250.0185	14.00	356	2.50	64	185	32	5.11	130	8.89	226	1,644	7,314	4.54	2.06
1400.250.0200	14.00	356	2.50	64	200	35	5.29	134	8.71	221	1,741	7,749	4.76	2.16
1400.250.0225	14.00	356	2.50	64	225	39	5.67	144	8.33	212	1,875	8,343	5.37	2.43
1400.250.0250	14.00	356	2.50	64	250	44	5.65	144	8.35	212	2,089	9,294	5.47	2.48
1400.250.0275	14.00	356	2.50	64	275	48	5.67	144	8.33	212	2,292	10,197	5.62	2.55
1400.250.0300	14.00	356	2.50	64	300	53	6.15	156	7.85	199	2,355	10,480	6.40	2.90
1400.250.0350	14.00	356	2.50	64	350	61	6.29	160	7.71	196	2,700	12,014	6.84	3.10
1400.250.0400	14.00	356	2.50	64	400	70	6.52	166	7.48	190	2,991	13,308	7.41	3.36
1400.250.0450	14.00	356	2.50	64	450	79	6.82	173	7.18	182	3,233	14,384	8.08	3.67
1400.250.0475	14.00	356	2.50	64	475	83	6.94	176	7.06	179	3,355	14,930	8.40	3.81
1400.250.0500	14.00	356	2.50	64	500	88	6.65	169	7.35	187	3,675	16,352	8.04	3.65
1400.250.0550	14.00	356	2.50	64	550	96	7.00	178	7.00	178	3,851	17,137	8.81	4.00
1400.250.0600	14.00	356	2.50	64	600	105	6.93	176	7.07	180	4,239	18,864	8.90	4.04
1400.250.0650	14.00	356	2.50	64	650	114	7.35	187	6.65	169	4,324	19,240	9.81	4.45
<b>16.00</b> (Length in inches)														
1600.250.0200	16.00	406	2.50	64	200	35	6.66	169	9.34	237	1,868	8,309	6.9	3.13
1600.250.0250	16.00	406	2.50	64	250	44	7.58	193	8.42	214	2,105	9,365	8.43	3.83
1600.250.0300	16.00	406	2.50	64	300	53	7.69	195	8.31	211	2,492	11,084	9.17	4.16
1600.250.0350	16.00	406	2.50	64	350	61	8.12	206	7.88	200	2,758	12,269	10.1	4.58
1600.250.0400	16.00	406	2.50	64	400	70	8.47	215	7.53	191	3,011	13,396	10.99	4.99
1600.250.0450	16.00	406	2.50	64	450	79	8.65	220	7.35	187	3,307	14,708	11.7	5.31
1600.250.0500	16.00	406	2.50	64	500	88	8.71	221	7.29	185	3,648	16,225	12.25	5.55
<b>Tender/Linear</b>														
0175.250.0150	2.64	67	2.50	64	150	26	0.89	23	1.75	44	263	1,168	0.93	0.42
0175.250.0200	3.05	77	2.50	64	200	35	1.30	33	1.75	44	350	1,557	1.65	0.75
0175.250.0250	2.87	73	2.50	64	250	44	1.12	28	1.75	44	438	1,947	1.43	0.65
0175.250.0300	3.77	96	2.50	64	300	53	2.02	51	1.75	44	525	2,336	1.92	0.87
0225.250.0150	3.90	99	2.50	64	150	26	1.65	42	2.25	57	338	1,502	2.09	0.95
0225.250.0200	3.55	90	2.50	64	200	35	1.30	33	2.25	57	450	2,002	1.65	0.75
0225.250.0250	3.94	100	2.50	64	250	44	1.69	43	2.25	57	563	2,503	2.18	0.99
0225.250.0300	3.94	100	2.50	64	300	53	1.69	43	2.25	57	675	3,004	2.23	1.01
<b>Tender/Progressive</b>														
0175.250.1300	3.55	90	2.50	64	600/1300	105/228	1.80	46	1.75	44	1,552	6,906	1.77	0.80
0200.250.0550	3.50	89	2.50	64	250/550	44/96	1.50	38	2.00	51	865	392	1.80	0.82
0200.250.0800	4.13	105	2.50	64	360/800	63/140	2.13	54	2.00	51	1,186	538	2.50	1.13
<b>Helper</b> (prevents main spring from becoming loose at full droop)														
Helper 250	3.00	76	2.50	64										
<b>Spacer</b> (ID locating main to Helper/Tender coupling spacer)														
Spacer 250														

# Coil-Over 3.00" I.D

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>8.00</b> (Length in inches)														
0800.300.0100	8.00	203	3.00	76	100	17	2.01	51	5.99	152	599	2,665	1.69	0.77
0800.300.0150	8.00	203	3.00	76	150	26	2.43	62	5.57	141	835	3,715	2.32	1.05
<b>10.00</b> (Length in inches)														
1000.300.0100	10.00	254	3.00	76	100	17	2.83	72	7.17	182	716	3,186	2.55	1.15
1000.300.0150	10.00	254	3.00	76	150	26	3.13	80	6.87	174	1,030	4,585	3.25	1.47
1000.300.0200	10.00	254	3.00	76	200	35	3.36	85	6.64	169	1,329	5,909	3.81	1.73
1000.300.0250	10.00	254	3.00	76	250	44	3.65	93	6.35	161	1,586	7,056	4.47	1.47
<b>12.00</b> (Length in inches)														
1200.300.0150	12.00	305	3.00	77	150	26	3.21	81	8.79	223	1,318	5866	2.88	1.31
1200.300.0175	12.00	305	3.00	77	175	31	3.51	89	8.49	216	1,484	66.4	3.28	1.49
1200.300.0200	12.00	305	3.00	76	200	35	4.16	106	7.84	199	1,567	6,971	4.63	2.10
1200.300.0225	12.00	305	3.00	76	225	39	4.11	104	7.89	200	1,775	7,895	4.68	2.12
1200.300.0250	12.00	305	3.00	76	250	44	4.43	113	7.57	192	1,893	8,419	5.29	2.40
1200.300.0275	12.00	305	3.00	76	275	48	4.42	112	7.58	193	2,085	9,274	5.39	2.45
1200.300.0300	12.00	305	3.00	76	300	53	4.45	113	7.55	192	2,264	10,070	5.56	2.52
1200.300.0350	12.00	305	3.00	76	350	61	4.87	124	7.13	181	2,495	11,097	6.49	2.94
1200.300.0400	12.00	305	3.00	76	400	70	5.05	128	6.95	177	2,780	12,366	7.01	3.18
1200.300.0450	12.00	305	3.00	76	450	78	5.23	133	6.77	172	3,047	13,558	7.55	3.42
1200.300.0500	12.00	305	3.00	76	500	87	5.46	139	6.54	166	3,268	14,535	8.21	3.72
<b>14.00</b> (Length in inches)														
1400.300.0150	14.00	356	3.00	76	150	26	4.24	108	9.76	248	1,463	6,509	4.20	1.91
1400.300.0175	14.00	356	3.00	76	175	31	5.25	133	9.54	242	1,668	7,424	4.64	2.11
1400.300.0200	14.00	356	3.00	76	200	35	4.72	120	9.28	236	1,855	8,253	5.17	2.35
1400.300.0250	14.00	356	3.00	76	250	44	5.25	133	8.75	222	2,188	9,734	6.47	2.93
1400.300.0275	14.00	356	3.00	76	275	48	5.24	133	8.76	223	2,408	10,710	6.60	3.00
1400.300.0300	14.00	356	3.00	76	300	53	5.66	144	8.34	212	2,502	11,132	7.44	3.38
1400.300.0350	14.00	356	3.00	76	350	61	5.69	145	8.31	211	2,906	12,928	7.80	3.54
1400.300.0400	14.00	356	3.00	76	400	70	5.84	148	8.16	207	3,265	14,523	8.32	3.77
1400.300.0450	14.00	356	3.00	76	450	79	6.03	153	7.97	202	3,584	15,944	8.94	4.06
1400.300.0500	14.00	356	3.00	76	500	88	6.29	160	7.71	196	3,853	17,137	9.68	4.39
1400.300.0550	14.00	356	3.00	76	550	96	6.20	157	7.80	198	4,287	19,067	9.72	4.41
1400.300.0600	14.00	356	3.00	76	600	105	7.16	182	6.84	174	4,103	18,248	12.13	5.50
<b>16.00</b> (Length in inches)														
1600.300.0250	16.00	406	3.00	76	250	44	6.27	159	9.73	247	2,432	10,818	8.99	4.08
1600.300.0350	16.00	406	3.00	76	350	61	7.20	183	8.80	224	3,078	13,692	11.67	5.29
1600.300.0450	16.00	406	3.00	76	450	79	7.50	191	8.50	216	3,826	17,021	13.09	5.94
1600.300.0500	16.00	406	3.00	76	500	88	8.23	209	7.77	197	3,883	17,274	16.12	7.31
1600.300.0600	16.00	406	3.00	76	600	105	9.00	229	7.01	178	4,206	18,709	16.42	7.45
1600.300.0700	16.00	406	3.00	76	700	123	8.86	225	7.14	181	4,999	22,238	17.59	7.98
1600.300.0800	16.00	406	3.00	76	800	140	9.98	253	6.02	153	4,816	21,423	21.82	9.90





# Coil-Over 3.00" I.D



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>18.00</b> (Length in inches)														
1800.300.0400	18.00	457	3.00	76	400	70	8.98	228	9.02	229	3,609	16,055	15.51	7.04
1800.300.0450	18.00	457	3.00	76	450	79	9.26	235	8.74	222	3,935	17,502	16.58	7.52
1800.300.0500	18.00	457	3.00	76	500	88	9.54	242	8.46	215	4,232	18,823	17.70	8.03
1800.300.0550	18.00	457	3.00	76	550	96	9.58	243	8.42	214	4,633	20,608	18.39	8.34
1800.300.0600	18.00	457	3.00	77	600	105	9.64	245	8.36	212	5,015	22,318	18.92	8.60
1800.300.0650	18.00	457	3.00	77	650	114	9.69	246	8.31	211	5,402	24,037	18.00	8.18
1800.300.0700	18.00	457	3.00	77	700	123	9.80	249	8.20	208	5,739	25,537	18.92	8.60
1800.300.0750	18.00	457	3.00	77	750	131	9.50	241	8.50	216	6,373	28,358	18.22	8.28
1800.300.0800	18.00	457	3.00	77	800	140	9.75	248	8.25	210	6,598	29,360	19.65	8.93

**Helper** (prevents main spring from becoming loose at full droop)

Helper 300      3.00   76      3.00   76

**Spacer** (ID locating main to Helper/Tender coupling spacer)

Spacer 300



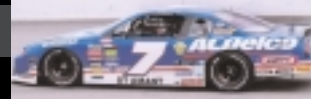
# Conventional Front

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>8.75</b> (Length in inches)	<b>(NASCAR Specs)</b>													
0875.575.0300	8.75	221	5.31	135	300	52	2.66	67	6.05	153	1,814	8,073	3.94	1.79
0875.575.0325	8.75	221	5.31	135	325	56	2.76	70	5.95	151	1,932	8,596	4.18	1.90
0875.575.0350	8.75	221	5.31	135	350	61	2.84	72	5.87	149	2,053	9,136	4.31	1.96
0875.575.0375	8.75	221	5.31	135	375	65	2.87	72	5.84	148	2,191	9,748	4.47	2.03
0875.575.0400	8.75	221	5.31	135	400	70	2.69	68	6.02	153	2,408	10,717	4.25	1.93
0875.575.0425	8.75	221	5.31	135	425	74	2.92	74	5.79	147	2,461	10,952	4.60	2.09
0875.575.0450	8.75	221	5.31	135	450	78	2.84	72	5.87	149	2,639	11,745	4.64	2.11
0875.575.0475	8.75	221	5.31	135	475	83	3.02	76	5.69	144	2,702	12,025	4.93	2.24
0875.575.0500	8.75	221	5.31	135	500	87	3.04	77	5.67	144	3,030	13,484	4.99	2.27
0875.575.0525	8.75	221	5.31	135	525	91	3.07	78	5.64	143	2,960	13,170	5.08	2.31
0875.575.0550	8.75	221	5.31	135	550	96	3.11	79	5.56	141	3,143	13,988	5.13	2.33
0875.575.0575	8.75	221	5.31	135	575	100	3.17	80	5.54	140	3,183	14,163	5.41	2.46
0875.575.0600	8.75	221	5.31	135	600	105	3.04	77	5.67	144	3,399	15,126	5.28	2.40
0875.575.0625	8.75	221	5.31	135	625	109	3.22	81	5.49	139	3,427	15,251	5.57	2.53
0875.575.0650	8.75	221	5.31	135	650	113	3.25	82	5.47	139	3,650	16,241	5.65	2.57
0875.575.0675	8.75	221	5.31	135	675	118	3.28	83	5.44	138	3,667	16,318	5.74	2.61
0875.575.0700	8.75	221	5.31	135	700	122	3.32	84	5.39	137	3,940	17,531	5.92	2.69
0875.575.0750	8.75	221	5.51	140	750	131	3.38	85	5.33	135	3,998	17,791	6.07	2.76
0875.575.0800	8.75	221	5.51	140	800	140	3.48	88	5.23	132	4,182	18,612	6.69	3.04
0875.575.0850	8.75	221	5.51	140	850	148	3.58	91	5.13	130	4,357	19,389	7.06	3.21
0875.575.0900	8.75	221	5.51	140	900	157	3.69	93	5.03	127	4,521	20,118	7.68	3.49
0875.575.0950	8.75	221	5.51	140	950	166	3.79	96	4.92	125	4,675	20,804	8.07	3.67
0875.575.1000	8.75	221	5.51	140	1,000	175	3.79	96	4.92	125	4,921	21,900	7.96	3.62
0875.575.1100	8.75	221	5.51	140	1,100	192	4.49	114	4.22	107	4,643	20,660	9.48	4.31
0875.575.1200	8.75	221	5.51	140	1,200	210	4.68	119	4.03	102	4,831	21,498	10.14	4.61
0875.575.1300	8.75	221	5.51	140	1,300	227	4.53	115	4.18	106	5,433	24,178	9.77	4.44
0875.575.1400	8.75	221	5.51	140	1,400	245	4.72	120	3.99	101	5,578	24,824	10.43	4.74
0875.575.1450	8.75	221	5.51	140	1,450	253	4.57	116	4.14	105	6,005	26,722	10.03	4.56
0875.575.1500	8.75	221	5.51	140	1,500	262	4.65	118	4.06	103	6,095	27,123	10.05	4.57





# Conventional Front



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<div style="background-color: #f00; color: white; padding: 5px; display: inline-block;"> <b>9.50</b>  <small>(Length in inches)</small> </div> <b>5.00" O.D.</b>														
0950.500.0450	9.50	241	5.00	127	450	79	3.42	87	6.08	154	2,737	12,180	6.34	2.88
0950.500.0500	9.50	241	5.00	127	500	88	3.73	95	5.77	147	2,883	12,828	6.18	2.80
0950.500.0550	9.50	241	5.00	127	550	96	3.72	94	5.78	147	3,178	14,140	6.26	2.84
0950.500.0600	9.50	241	5.00	127	600	105	3.98	101	5.52	140	3,312	14,737	6.88	3.12
0950.500.0650	9.50	241	5.00	127	650	114	4.82	122	4.68	119	3,043	13,540	8.90	4.04
0950.500.0700	9.50	241	5.00	127	700	123	4.55	116	4.95	126	3,464	15,415	8.36	3.79
0950.500.0750	9.50	241	5.00	127	750	131	4.89	124	4.61	117	3,456	15,379	9.25	4.20
0950.500.0775	9.50	241	5.00	127	775	136	4.79	122	4.71	120	3,654	16,260	9.04	4.10
0950.500.0800	9.50	241	5.00	127	800	140	4.69	119	4.81	122	3,852	17,141	8.82	4.00
0950.500.0850	9.50	241	5.00	127	850	149	5.03	128	4.47	114	3,798	16,901	9.74	4.42
0950.500.0900	9.50	241	5.00	127	900	158	4.82	122	4.68	119	4,213	18,747	9.29	4.22
0950.500.0950	9.50	241	5.00	127	950	166	5.24	133	4.26	108	4,043	17,991	10.40	4.72
0950.500.1000	9.50	241	5.00	127	1,000	175	5.03	128	4.47	114	4,474	19,910	9.93	4.50
0950.500.1050	9.50	241	5.00	127	1,050	184	5.46	139	4.04	103	4,241	18,873	11.08	5.03
0950.500.1100	9.50	241	5.00	127	1,100	193	5.31	135	4.19	106	4,608	20,504	10.75	4.88
0950.500.1200	9.50	241	5.00	127	1,200	210	5.60	142	3.90	99	4,675	20,802	11.62	5.27
0950.500.1250	9.50	241	5.00	127	1,250	219	5.37	136	4.13	105	5,157	22,950	11.10	5.03
0950.500.1300	9.50	241	5.00	127	1,300	228	5.22	133	4.28	109	5,563	24,756	10.75	4.88
0950.500.1400	9.50	241	5.00	127	1,400	245	5.51	140	3.99	101	5,583	24,845	11.62	5.27
0950.500.1500	9.50	241	5.00	127	1,500	263	5.89	150	3.61	92	5,412	24,084	12.72	5.77
0950.500.1600	9.50	241	5.00	127	1,600	280	5.57	141	3.93	100	6,290	27,988	11.96	5.43
<div style="background-color: #f00; color: white; padding: 5px; display: inline-block;"> <b>9.50</b>  <small>(Length in inches)</small> </div> <b>5.50" O.D.</b>														
0950.550.0400	9.50	241	5.50	140	400	70	3.25	83	6.25	159	2,501	11,128	5.84	2.65
0950.550.0500	9.50	241	5.50	140	500	88	3.59	91	5.91	150	2,955	13,148	6.87	3.11
0950.550.0550	9.50	241	5.50	140	550	96	4.28	109	5.22	133	2,869	12,767	8.74	3.96
0950.550.0575	9.50	241	5.50	140	575	101	4.42	112	5.08	129	2,920	12,994	9.14	4.15
0950.550.0600	9.50	241	5.50	140	600	105	4.55	116	4.95	126	2,972	13,223	9.54	4.33
0950.550.0625	9.50	241	5.50	140	625	109	4.41	112	5.09	129	3,185	14,173	9.22	4.19
0950.550.0650	9.50	241	5.50	140	650	114	4.27	108	5.23	133	3,398	15,122	8.90	4.04
0950.550.0675	9.50	241	5.50	140	675	118	4.41	112	5.09	129	3,436	15,290	9.31	4.23
0950.550.0700	9.50	241	5.50	140	700	123	4.54	115	4.96	126	3,475	15,464	9.72	4.41
0950.550.0750	9.50	241	5.50	140	750	131	4.39	112	5.11	130	3,830	17,042	9.22	4.18
0950.550.0800	9.50	241	5.50	140	800	140	4.66	118	4.84	123	3,871	17,225	10.22	4.64
0950.550.0850	9.50	241	5.50	140	850	149	5.01	127	4.49	114	3,815	16,976	11.29	5.12
0950.550.0875	9.50	241	5.50	140	875	153	4.90	124	4.60	117	4,028	17,925	11.01	5.00
0950.550.0900	9.50	241	5.50	140	900	158	4.79	122	4.71	120	4,241	18,873	10.74	4.87
0950.550.0950	9.50	241	5.50	140	950	166	4.64	118	4.86	123	4,619	20,554	10.37	4.70
0950.550.1000	9.50	241	5.50	140	1,000	175	4.99	127	4.51	115	4,510	20,068	11.46	5.20
0950.550.1050	9.50	241	5.50	140	1,050	184	4.76	121	4.74	120	4,977	22,147	10.87	4.93
0950.550.1100	9.50	241	5.50	140	1,100	193	5.12	130	4.38	111	4,820	21,448	12.00	5.44
0950.550.1150	9.50	241	5.50	140	1,150	201	4.96	126	4.54	115	5,220	23,229	11.59	5.26
0950.550.1200	9.50	241	5.50	140	1,200	210	5.41	137	4.09	104	4,911	21,853	12.98	5.89
0950.550.1250	9.50	241	5.50	140	1,250	219	5.25	133	4.25	108	5,317	23,662	12.55	5.69
0950.550.1300	9.50	241	5.50	140	1,300	228	5.08	129	4.42	112	5,740	25,542	12.13	5.50
0950.550.1350	9.50	241	5.50	140	1,350	237	5.46	139	4.04	103	5,458	24,289	13.34	6.05
0950.550.1400	9.50	241	5.50	140	1,400	245	5.37	136	4.13	105	5,776	25,704	13.12	5.95
0950.550.1450	9.50	241	5.50	140	1,450	254	5.29	134	4.21	107	6,103	27,155	12.90	5.85
0950.550.1500	9.50	241	5.50	140	1,500	263	5.67	144	3.83	97	5,743	25,556	14.15	6.42
0950.550.1600	9.50	241	5.50	140	1,600	280	5.42	138	4.08	104	6,532	29,067	13.46	6.11

# Conventional Front

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>11.00</b> (Length in inches) <b>5.50" O.D.</b>														
1100.550.0700	11.00	279	5.50	139	700	122	4.85	123	6.15	156	4,300	19,137	10.30	4.68
1100.550.0800	11.00	279	5.50	139	800	140	4.95	125	6.05	153	4,836	21,519	10.74	4.88
1100.550.0900	11.00	279	5.50	139	900	157	5.27	133	5.73	145	5,152	22,925	11.55	5.25
1100.550.1000	11.00	279	5.50	139	1,000	175	5.45	138	5.55	140	5,547	24,684	12.21	5.55
1100.550.1100	11.00	279	5.50	139	1,100	192	5.51	140	5.49	139	6,035	26,854	12.80	5.82
1100.550.1200	11.00	279	5.50	139	1,200	210	5.73	145	5.27	133	6,321	28,128	13.62	6.19
1100.550.1300	11.00	279	5.50	139	1,300	227	5.95	151	5.05	128	6,559	29,187	14.45	6.57
<b>12.00</b> (Length in inches) <b>5.50" O.D.</b>														
1200.550.0700	12.00	305	5.50	139	700	123	5.39	137	6.61	168	4,626	20,584	11.86	5.39
1200.550.0800	12.00	305	5.50	139	800	140	5.46	139	6.54	166	5,229	23,270	12.30	5.59
1200.550.0900	12.00	305	5.50	139	900	158	5.87	149	6.13	156	5,512	24,530	13.27	6.03
1200.550.1000	12.00	305	5.50	139	1,000	175	6.06	154	5.94	151	5,935	26,409	13.99	6.36
1200.550.1100	12.00	305	5.50	139	1,100	193	6.30	160	5.70	145	6,273	27,913	14.85	6.75
1200.550.1200	12.00	305	5.50	139	1,200	210	6.53	166	5.47	139	6,559	29,189	15.73	7.15
1200.550.1300	12.00	305	5.50	139	1,300	228	6.60	168	5.40	137	7,014	31,213	16.48	7.49

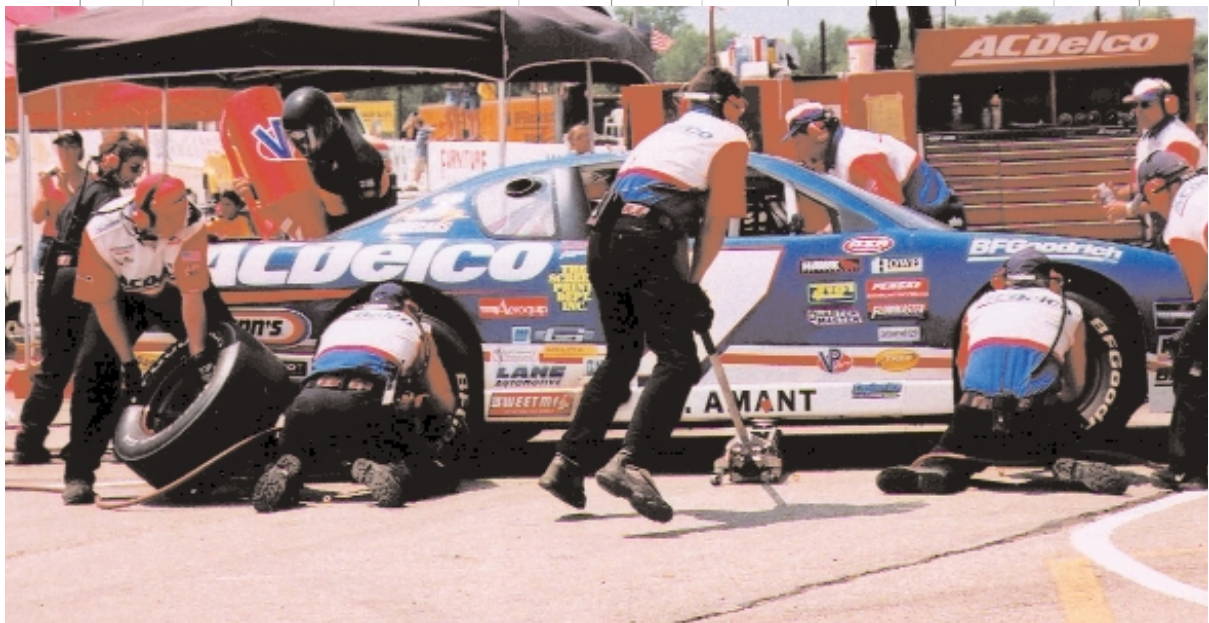




# Conventional Rear



Part Number	Rate		Static Height		Static Load		Free Length		Travel		Travel from 750lbs Preload to Block		WT	
	lbs	N/mm	inch	mm	lbs	N	inch	mm	inch	mm	inch	mm	lbs	kg
<b>Loaded Height (NASCAR Specs)</b>														
LH1.500.0125	125	21.89	10.2	259	750		15.80	401.26	12.05	306	6.45	164	5.17	2.35
LH1.500.0150	150	26.27	10.2	259	750	3114	14.86	377.5	11.24	286	6.58	167	5.04	2.29
LH1.500.0175	175	30.65	10.2	259	750	3114	14.20	360.6	10.38	264	6.39	162	5.50	2.50
LH1.500.0200	200	35.03	10.2	259	750	3114	13.70	347.9	9.94	252	6.44	164	5.52	2.51
LH1.500.0225	225	39.40	10.2	259	750	3114	13.31	338	9.58	243	6.47	164	5.57	2.53
LH1.500.0250	250	43.78	10.2	259	750	3114	13.00	330.1	9.29	236	6.49	165	5.87	2.67
LH1.500.0275	275	48.16	10.2	259	750	3114	12.74	323.7	9.02	229	6.48	165	5.98	2.72
LH1.500.0300	300	52.54	10.2	259	750	3114	12.53	318.3	8.76	222	6.42	163	5.87	2.67
LH1.500.0325	325	56.92	10.2	259	750	3114	12.35	313.7	8.51	216	6.36	161	6.07	2.76
LH1.500.0350	350	61.30	10.2	259	750	3114	12.20	309.8	8.29	210	6.29	160	6.27	2.85
LH1.500.0375	375	65.67	10.2	259	750	3114	12.06	306.4	8.06	205	6.19	157	6.53	2.97
LH1.500.0400	400	70.05	10.2	259	750	3114	11.95	303.5	7.87	200	6.13	156	6.73	3.06
LH1.500.0425	425	74.43	10.2	259	750	3114	11.84	300.8	7.83	199	6.18	157	6.58	2.99
LH1.500.0450	450	78.81	10.2	259	750	3114	11.75	298.5	7.70	196	6.15	156	6.78	3.08
LH1.500.0475	475	83.19	10.2	259	750	3114	11.67	296.4	7.49	190	6.02	153	7.11	3.23
LH1.500.0500	500	87.57	10.2	259	750	3114	11.60	294.6	7.39	188	5.99	152	7.04	3.20
LH1.500.0525	525	91.94	10.2	259	750	3114	11.14	282.9	6.70	170	5.76	146	7.79	3.54
LH1.500.0550	550	96.32	10.2	259	750	3114	11.47	291.3	7.19	183	5.92	150	7.48	3.40
LH1.500.0575	575	100.70	10.2	259	750	3114	11.41	289.9	6.97	177	5.75	146	7.90	3.59
LH1.500.0600	600	105.08	10.2	259	750	3114	11.36	288.6	7.08	180	5.91	150	7.57	3.44
LH1.500.0650	650	113.84	10.2	259	750	3114	11.28	286.4	6.92	176	5.85	149	7.79	3.54
LH1.500.0700	700	122.59	10.2	259	750	3114	11.20	284.4	6.85	174	5.85	149	7.88	3.58



# Conventional Rear

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	inch	mm	lbs	N	lbs	kg
<b>11.00</b> 5.00" O.D. (Length in inches)														
1100.500.0125	11.00	279	5.00	127	125	22	2.53	64	8.47	215	1,058	4,709	3.29	1.49
1100.500.0150	11.00	279	5.00	127	150	26	2.65	67	8.35	212	1,253	5,574	3.58	1.62
1100.500.0175	11.00	279	5.00	127	175	31	2.81	71	8.19	208	1,433	6,377	3.95	1.79
1100.500.0200	11.00	279	5.00	127	200	35	3.03	77	7.97	202	1,595	7,096	4.42	2.01
1100.500.0225	11.00	279	5.00	127	225	39	3.30	84	7.70	196	1,732	7,708	5.00	2.27
1100.500.0250	11.00	279	5.00	127	250	44	3.31	84	7.69	195	1,922	8,552	5.10	2.32
1100.500.0275	11.00	279	5.00	127	275	48	3.32	84	7.68	195	2,111	9,396	5.20	2.36
1100.500.0300	11.00	279	5.00	127	300	53	3.67	93	7.33	186	2,200	9,791	5.94	2.70
1100.500.0325	11.00	279	5.00	127	325	57	3.73	95	7.27	185	2,363	10,513	6.14	2.79
1100.500.0350	11.00	279	5.00	127	350	61	3.80	97	7.20	183	2,521	11,220	6.34	2.88
1100.500.0375	11.00	279	5.00	127	375	66	3.86	98	7.14	181	2,677	11,911	6.55	2.97
1100.500.0400	11.00	279	5.00	127	400	70	3.99	101	7.01	178	2,806	12,484	6.87	3.11
1100.500.0425	11.00	279	5.00	127	425	74	4.05	103	6.95	177	2,953	13,138	7.08	3.21
1100.500.0450	11.00	279	5.00	127	450	79	4.18	106	6.82	173	3,069	13,656	7.41	3.36
1100.500.0500	11.00	279	5.00	127	500	88	4.44	113	6.56	167	3,280	14,593	8.10	3.68
1100.500.0550	11.00	279	5.00	127	550	96	5.35	136	5.65	144	3,105	13,817	10.41	4.72
1100.500.0600	11.00	279	5.00	127	600	105	4.95	126	6.05	154	3,628	16,145	9.60	4.36
1100.500.0650	11.00	279	5.00	127	650	114	5.31	135	5.69	145	3,702	16,472	10.55	4.79
1100.500.0700	11.00	279	5.00	127	700	123	5.74	146	5.26	134	3,682	16,384	11.71	5.31
<b>13.00</b> 5.00" O.D. (Length in inches)														
1300.500.0125	13.00	330	5.00	127	125	22	3.06	78	9.94	252	1,243	5,531	4.16	1.89
1300.500.0150	13.00	330	5.00	127	150	26	3.50	89	9.50	241	1,426	6,343	5.06	2.29
1300.500.0175	13.00	330	5.00	127	175	31	3.69	94	9.31	236	1,629	7,250	5.53	2.51
1300.500.0200	13.00	330	5.00	127	200	35	3.94	100	9.06	230	1,812	8,064	6.12	2.78
1300.500.0225	13.00	330	5.00	127	225	39	3.91	99	9.09	231	2,046	9,105	6.16	2.80
1300.500.0250	13.00	330	5.00	127	250	44	4.22	107	8.78	223	2,196	9,771	6.88	3.12
1300.500.0275	13.00	330	5.00	127	275	48	4.24	108	8.76	223	2,410	10,725	7.01	3.18
1300.500.0300	13.00	330	5.00	127	300	53	4.62	117	8.38	213	2,515	11,191	7.89	3.58
1300.500.0325	13.00	330	5.00	127	325	57	4.69	119	8.31	211	2,699	12,011	8.14	3.69
1300.500.0350	13.00	330	5.00	127	350	61	4.77	121	8.23	209	2,879	12,813	8.40	3.81
1300.500.0375	13.00	330	5.00	127	375	66	4.85	123	8.15	207	3,056	13,598	8.66	3.93
1300.500.0400	13.00	330	5.00	127	400	70	4.93	125	8.07	205	3,228	14,365	8.92	4.05
1300.500.0425	13.00	330	5.00	127	425	74	5.07	129	7.93	201	3,370	14,995	9.30	4.22
1300.500.0450	13.00	330	5.00	127	450	79	6.29	160	6.71	170	3,019	13,434	12.29	5.58
1300.500.0500	13.00	330	5.00	127	500	88	5.82	148	7.18	182	3,589	15,969	11.35	5.15
1300.500.0550	13.00	330	5.00	127	550	96	6.13	156	6.87	174	3,777	16,809	12.26	5.56
1300.500.0600	13.00	330	5.00	127	600	105	6.52	166	6.48	165	3,888	17,302	13.35	6.06
1300.500.0650	13.00	330	5.00	127	650	114	6.99	178	6.01	153	3,905	17,377	14.67	6.65
1300.500.0700	13.00	330	5.00	127	700	123	6.56	167	6.44	164	4,511	20,075	13.73	6.23
<b>15.00</b> 5.00" O.D. (Length in inches)														
1500.500.0150	15.00	381	5.00	127	150	26	3.54	90	11.46	290	1,718	7,643	4.97	2.26
1500.500.0175	15.00	381	5.00	127	175	30	3.74	94	11.26	286	1,969	8,763	5.46	2.48
1500.500.0200	15.00	381	5.00	127	200	35	3.99	101	11.01	279	2,200	9,792	6.03	2.74
1500.500.0225	15.00	381	5.00	127	225	39	4.28	108	10.72	272	2,411	1,0731	6.69	3.04
1500.500.0250	15.00	381	5.00	127	250	43	4.63	117	10.37	263	2,592	1,1533	7.50	3.41
1500.500.0275	15.00	381	5.00	127	275	48	4.65	118	10.35	262	2,844	12,657	7.66	3.48
1500.500.0300	15.00	381	5.00	127	300	52	4.67	118	10.33	262	3,096	13,779	7.79	3.54

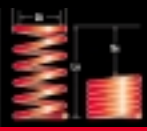


# Coil-Over 36mm I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: red; color: white; padding: 5px; border-radius: 5px;"><b>Dallara</b></div> <div style="color: red; font-weight: bold;">The springs have been manufactured to a static height of 4.49" (114 mm) a static load of 332 lbs. (1480N).</div> </div>														
B1000	123	4.82	36	1.42	175	1000	75	2.95	48	1.87	8,310	1,867	0.62	1.36
B1100	122	4.79	36	1.42	193	1100	76	3.01	45	1.79	8,730	1,962	0.64	1.41
B1200	121	4.76	36	1.42	210	1200	79	3.10	42	1.66	8,888	1,997	0.69	1.52
B1300	121	4.74	36	1.42	228	1300	81	3.17	40	1.57	9,078	2,040	0.65	1.43
B1400	121	4.76	36	1.42	245	1400	77	3.03	44	1.73	10,555	2,372	0.74	1.62
B1500	120	4.71	36	1.42	263	1500	78	3.05	42	1.66	11,055	2,484	0.71	1.56
B1600	120	4.72	36	1.42	280	1600	76	2.99	44	1.73	12,132	2,726	0.74	1.62
B1700	119	4.69	36	1.42	298	1700	76	3.00	43	1.68	12,711	2,856	0.72	1.58
B1800	119	4.69	36	1.42	315	1800	80	3.15	39	1.54	12,202	2,742	0.85	1.86
B1900	119	4.67	36	1.42	333	1900	76	2.99	43	1.68	14,157	3,181	0.73	1.61
B2000	119	4.69	36	1.42	350	2000	80	3.15	39	1.54	13,394	3,010	0.84	1.85
B2100	118	4.65	36	1.42	368	2100	82	3.21	36	1.43	13,396	3,010	0.84	1.85
B2200	118	4.65	36	1.42	385	2200	80	3.15	38	1.50	14,585	3,278	0.87	1.90
B2300	118	4.63	36	1.42	403	2300	76	3.00	42	1.63	16,705	3,754	0.77	1.69
B2400	118	4.65	36	1.42	420	2400	80	3.15	38	1.50	15,776	3,545	0.89	1.96
B2500	117	4.62	36	1.42	438	2500	77	3.01	41	1.61	17,871	4,016	0.80	1.76
B2600	118	4.65	36	1.42	455	2600	81	3.19	37	1.46	16,512	3,711	0.92	2.02
B2700	117	4.61	36	1.42	473	2700	78	3.05	40	1.56	18,739	4,211	0.83	1.83
B2800	118	4.65	36	1.42	490	2800	81	3.19	37	1.46	17,668	3,970	0.94	2.07
B2900	117	4.60	36	1.42	508	2900	79	3.11	38	1.49	19,230	4,321	0.87	1.91
B3000	117	4.61	36	1.42	525	3000	83	3.27	34	1.34	17,774	3,994	0.98	2.16
B3200	117	4.61	36	1.42	560	3200	84	3.31	33	1.30	18,299	4,112	1.03	2.26
B3300	117	4.61	36	1.42	578	3300	89	3.51	28	1.10	15,867	3,566	1.06	2.32
B3500	117	4.61	36	1.42	613	3500	83	3.27	34	1.34	20,489	4,604	1.03	2.27
B3700	117	4.61	36	1.42	648	3700	84	3.31	33	1.30	20,927	4,703	1.08	2.37
B3800	116	4.57	36	1.42	665	3800	90	3.53	26	1.03	17,598	3,955	1.13	2.49
B3900	116	4.57	36	1.42	683	3900	90	3.53	26	1.03	18,023	4,050	1.13	2.49
B4000	117	4.61	36	1.42	701	4000	85	3.35	32	1.26	21,803	4,900	1.08	2.37
B4100	116	4.57	36	1.42	718	4100	90	3.54	26	1.03	18,781	4,220	1.16	2.55
B4200	116	4.57	36	1.42	736	4200	90	3.54	26	1.03	19,203	4,315	1.16	2.55
B4300	116	4.57	36	1.42	753	4300	85	3.35	31	1.22	23,327	5,242	1.13	2.48
B4600	116	4.57	36	1.42	806	4600	86	3.39	30	1.18	24,046	5,404	1.17	2.57
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: red; color: white; padding: 5px; border-radius: 5px;"><b>F3</b></div> <div style="color: red; font-weight: bold;">The springs have been manufactured to a static height of 4.5" (115 mm) a static load of 405 lbs. (1800N).</div> </div>														
C400	141	5.55	36	1.42	70	400	74	2.92	67	2.63	4,672	1,050	0.50	1.10
C450	139	5.47	36	1.42	79	450	78	3.07	61	2.40	4,806	1,080	0.54	1.20
C500	136	5.35	36	1.42	88	500	77	3.03	59	2.32	5,117	1,150	0.54	1.20
C550	134	5.28	36	1.42	96	550	79	3.12	55	2.16	5,295	1,190	0.59	1.30
C600	133	5.24	36	1.42	105	600	75	2.96	58	2.28	6,096	1,370	0.59	1.30
C700	130	5.12	36	1.42	123	700	79	3.11	51	2.01	6,274	1,410	0.64	1.40
C800	128	5.04	36	1.42	140	800	78	3.07	50	1.97	6,986	1,570	0.64	1.40
C900	127	5.00	36	1.42	158	900	76	2.99	51	2.01	8,099	1,820	0.68	1.50
C1000	126	4.96	36	1.42	175	1,000	79	3.11	47	1.85	8,188	1,840	0.73	1.60
C1100	125	4.92	36	1.42	193	1,100	80	3.15	45	1.77	8,588	1,930	0.73	1.60
C1200	124	4.88	36	1.42	210	1,200	83	3.27	41	1.61	8,499	1,910	0.77	1.70
C1300	123	4.84	36	1.42	228	1,300	83	3.27	40	1.57	8,989	2,020	0.82	1.80
C1400	123	4.84	36	1.42	245	1,400	81	3.19	42	1.65	10,012	2,250	0.77	1.70
C1500	122	4.80	36	1.42	263	1,500	80	3.15	42	1.65	11,036	2,480	0.77	1.70
C1600	122	4.80	36	1.42	280	1,600	84	3.30	38	1.50	10,591	2,380	0.86	1.90
C1800	121	4.76	36	1.42	315	1,800	82	3.22	39	1.54	12,281	2,760	0.86	1.90
C2000	121	4.76	36	1.42	350	2,000	83	3.26	38	1.50	13,305	2,990	0.86	1.90





# Ride Height Control Springs/3<sup>rd</sup> Spring

Part Number	Lo		Di		C		Sc		Fc		WT	
	inch	mm	inch	mm	lbs/inch	N/mm	inch	mm	lbs	N	lbs	kg
0250.025.0896	64	2.50	25.40	1.00	157	896	38	1.50	25	1.00	3,902	877
0300.025.0713	76	3.00	25.40	1.00	125	713	46	1.82	30	1.20	3,751	843
0350.025.0622	89	3.50	25.40	1.00	109	622	54	2.12	35	1.40	3,813	857
0400.025.0536	102	4.00	25.40	1.00	94	536	61	2.39	41	1.60	3,854	866
0250.025.1193	64	2.50	25.40	1.00	209	1,193	40	1.56	24	0.90	5,015	1,127
0300.025.0959	76	3.00	25.40	1.00	168	959	48	1.90	28	1.10	4,708	1,058
0350.025.0799	89	3.50	25.40	1.00	140	799	56	2.20	33	1.30	4,623	1,039
0400.025.0679	102	4.00	25.40	1.00	66	379	64	2.50	38	1.50	4,521	1,016
0250.025.2357	64	2.50	25.40	1.00	413	2,357	44	1.75	19	0.80	7,850	1,764
0300.025.1935	76	3.00	25.40	1.00	339	1,935	53	2.09	23	0.90	7,801	1,753
0350.025.1644	89	3.50	25.40	1.00	288	1,644	62	2.44	27	1.10	7,779	1,748
0400.025.1398	102	4.00	25.40	1.00	245	1,398	71	2.78	31	1.20	7,596	1,707



# Coil-Over - 60mm I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>80</b> (Length in mm)														
0080.060.0100	80	3.15	60	2.36	100	571	34	1.34	46	1.81	4,600	1,034	0.40	0.88
0080.060.0120	80	3.15	60	2.36	120	685	36	1.42	44	1.73	5,280	1,187	0.44	0.97
0080.060.0140	80	3.15	60	2.36	140	799	28	1.10	52	2.05	7,280	1,636	0.49	1.08
0080.060.0160	80	3.15	60	2.36	160	913	38	1.50	42	1.65	6,720	1,510	0.50	1.10
0080.060.0180	80	3.15	60	2.36	180	1,027	40	1.57	40	1.57	7,200	1,618	0.57	1.26
0080.060.0200	80	3.15	60	2.36	200	1,142	40	1.57	40	1.57	8,000	1,798	0.58	1.28
0080.060.0220	80	3.15	60	2.36	220	1,256	41	1.61	39	1.54	8,580	1,928	0.61	1.34
0080.060.0240	80	3.15	60	2.36	240	1,370	42	1.65	38	1.50	9,120	2,050	0.63	1.39
0080.060.0260	80	3.15	60	2.36	260	1,484	42	1.65	38	1.50	9,880	2,220	0.66	1.46
0080.060.0280	80	3.15	60	2.36	280	1,598	42	1.65	38	1.50	10,640	2,391	0.68	1.50
0080.060.0300	80	3.15	60	2.36	300	1,712	43	1.69	37	1.46	11,100	2,494	0.71	1.57
<b>100</b> (Length in mm)														
0100.060.0070	100	3.94	60	2.36	70	400	40	1.57	60	2.36	4,200	944	0.50	1.00
0100.060.0080	100	3.94	60	2.36	80	457	39	1.54	61	2.40	4,880	1,097	0.46	1.01
0100.060.0090	100	3.94	60	2.36	90	514	39	1.54	61	2.40	5,490	1,234	0.47	1.04
0100.060.0100	100	3.94	60	2.36	100	571	44	1.73	56	2.20	5,600	1,258	0.57	1.26
0100.060.0110	100	3.94	60	2.36	110	628	44	1.73	56	2.20	6,160	1,384	0.58	1.28
0100.060.0120	100	3.94	60	2.36	120	685	46	1.81	54	2.13	6,480	1,456	0.63	1.39
0100.060.0140	100	3.94	60	2.36	140	799	47	1.85	53	2.09	7,420	1,667	0.68	1.50
0100.060.0160	100	3.94	60	2.36	160	913	47	1.85	53	2.09	8,480	1,906	0.70	1.54
0100.060.0180	100	3.94	60	2.36	180	1,027	53	2.09	47	1.85	8,460	1,901	0.82	1.81
0100.060.0200	100	3.94	60	2.36	200	1,142	52	2.05	48	1.89	9,600	2,157	0.82	1.81
0100.060.0220	100	3.94	60	2.36	220	1,256	51	2.01	49	1.93	10,780	2,423	0.85	1.87
0100.060.0240	100	3.94	60	2.36	240	1,370	54	2.13	46	1.81	11,040	2,481	0.92	2.03
0100.060.0260	100	3.94	60	2.36	260	1,484	55	2.17	45	1.77	11,700	2,629	0.95	2.09
0100.060.0280	100	3.94	60	2.36	280	1,598	55	2.17	45	1.77	12,600	2,832	0.97	2.14
0100.060.0300	100	3.94	60	2.36	300	1,712	56	2.20	44	1.73	13,200	2,966	1.01	2.23
0100.060.0320	100	3.94	60	2.36	320	1,827	56	2.20	44	1.73	14,080	3,164	1.06	2.34
0100.060.0340	100	3.94	60	2.36	340	1,941	59	2.32	41	1.61	13,940	3,133	1.11	2.45
0100.060.0360	100	3.94	60	2.36	360	2,055	59	2.32	41	1.61	14,760	3,317	1.15	2.54
0100.060.0380	100	3.94	60	2.36	380	2,169	60	2.36	40	1.57	15,200	3,416	1.21	2.67
0100.060.0400	100	3.94	60	2.36	400	2,283	58	2.28	42	1.65	16,800	3,775	1.17	2.58
0100.060.0450	100	3.94	60	2.36	450	2,569	60	2.36	40	1.57	18,000	4,045	1.24	2.73
0100.060.0500	100	3.94	60	2.36	500	2,854	62	2.44	38	1.50	19,000	4,270	1.33	2.93
0100.060.0550	100	3.94	60	2.36	550	3,139	62	2.44	38	1.50	20,900	4,697	1.34	2.95
0100.060.0600	100	3.94	60	2.36	600	3,425	69	2.72	31	1.22	18,600	4,180	1.62	3.57
0100.060.0650	100	3.94	60	2.36	650	3,710	65	2.56	35	1.38	22,750	5,113	1.53	3.37
0100.060.0700	100	3.94	60	2.36	700	3,996	68	2.68	32	1.26	22,400	5,034	1.66	3.66
0100.060.0750	100	3.94	60	2.36	750	4,281	72	2.83	28	1.10	21,000	4,719	1.81	3.99
0100.060.0800	100	3.94	60	2.36	800	4,566	68	2.68	32	1.26	25,600	5,753	1.72	3.79

# Coil-Over - 60mm I.D.

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>120</b> (Length in mm)														
0120.060.0050	120	4.75	60	2.36	50	285	42	1.65	78	3.07	3,900	876	0.50	1.10
0120.060.0060	120	4.75	60	2.36	60	342	45	1.77	75	2.95	4,500	1,011	0.60	1.32
0120.060.0070	120	4.75	60	2.36	70	400	49	1.93	71	2.80	4,970	1,117	0.70	1.54
0120.060.0080	120	4.75	60	2.36	80	457	48	1.89	72	2.83	5,760	1,294	0.70	1.54
0120.060.0090	120	4.75	60	2.36	90	514	48	1.89	72	2.83	6,480	1,456	0.70	1.54
0120.060.0100	120	4.75	60	2.36	100	571	53	2.09	67	2.64	6,700	1,506	0.80	1.76
0120.060.0120	120	4.75	60	2.36	120	685	56	2.20	64	2.52	7,680	1,726	0.90	1.98
0120.060.0140	120	4.75	60	2.36	140	799	58	2.28	62	2.44	8,680	1,951	1.00	2.20
0120.060.0160	120	4.75	60	2.36	160	913	60	2.36	60	2.36	9,600	2,157	1.00	2.20
0120.060.0180	120	4.75	60	2.36	180	1,027	59	2.32	61	2.40	10,980	2,468	1.00	2.20
0120.060.0200	120	4.75	60	2.36	200	1,142	64	2.52	56	2.20	11,200	2,517	1.20	2.65
0120.060.0220	120	4.75	60	2.36	220	1,256	64	2.52	56	2.20	12,320	2,769	1.20	2.65
0120.060.0240	120	4.75	60	2.36	240	1,370	64	2.52	56	2.20	13,440	3,020	1.20	2.65
0120.060.0260	120	4.75	60	2.36	260	1,484	64	2.52	56	2.20	14,560	3,272	1.30	2.87
0120.060.0280	120	4.75	60	2.36	280	1,598	69	2.72	51	2.01	14,280	3,209	1.40	3.09
0120.060.0300	120	4.75	60	2.36	300	1,712	69	2.72	51	2.01	15,300	3,438	1.50	3.31
0120.060.0320	120	4.75	60	2.36	320	1,827	70	2.76	50	1.97	16,000	3,596	1.50	3.31
0120.060.0340	120	4.75	60	2.36	340	1,941	71	2.80	49	1.93	16,660	3,744	1.50	3.31
0120.060.0360	120	4.75	60	2.36	360	2,055	72	2.83	48	1.89	17,280	3,883	1.60	3.53
<b>140</b> (Length in mm)														
0140.060.0050	140	5.51	60	2.36	50	285	50	1.97	90	3.54	4,500	1,011	0.60	1.32
0140.060.0060	140	5.51	60	2.36	60	342	54	2.13	86	3.39	5,160	1,160	0.70	1.54
0140.060.0070	140	5.51	60	2.36	70	400	58	2.28	82	3.23	5,740	1,290	0.70	1.54
0140.060.0080	140	5.51	60	2.36	80	457	62	2.44	78	3.07	6,240	1,402	0.80	1.76
0140.060.0090	140	5.51	60	2.36	90	514	62	2.44	78	3.07	7,020	1,578	0.90	1.98
0140.060.0100	140	5.51	60	2.36	100	571	68	2.68	72	2.83	7,200	1,618	1.00	2.20
0140.060.0110	140	5.51	60	2.36	110	628	62	2.44	78	3.07	8,580	1,928	0.94	2.07
0140.060.0120	140	5.51	60	2.36	120	685	69	2.72	71	2.80	8,520	1,915	1.10	2.43
0140.060.0140	140	5.51	60	2.36	140	799	72	2.83	68	2.68	9,520	2,139	1.20	2.65
0140.060.0160	140	5.51	60	2.36	160	913	75	2.95	65	2.56	10,400	2,337	1.30	2.87
0140.060.0180	140	5.51	60	2.36	180	1,027	74	2.91	66	2.60	11,880	2,670	1.30	2.87
0140.060.0200	140	5.51	60	2.36	200	1,142	78	3.07	62	2.44	12,400	2,787	1.40	3.09
0140.060.0220	140	5.51	60	2.36	220	1,256	78	3.07	62	2.44	13,640	3,065	1.50	3.31
0140.060.0240	140	5.51	60	2.36	240	1,370	78	3.07	62	2.44	14,880	3,344	1.50	3.31
0140.060.0260	140	5.51	60	2.36	260	1,484	83	3.27	57	2.24	14,820	3,330	1.60	3.53
0140.060.0280	140	5.51	60	2.36	280	1,598	83	3.27	57	2.24	15,960	3,587	1.70	3.75
0140.060.0300	140	5.51	60	2.36	300	1,712	84	3.31	56	2.20	16,800	3,775	1.80	3.97
0140.060.0350	140	5.51	60	2.36	350	1,998	87	3.43	53	2.09	18,550	4,169	2.10	4.63
0140.060.0400	140	5.51	60	2.36	400	2,283	87	3.43	53	2.09	21,200	4,764	2.20	4.85
0140.060.0450	140	5.51	60	2.36	450	2,569	89	3.50	51	2.01	22,950	5,158	2.30	5.07
0140.060.0500	140	5.51	60	2.36	500	2,854	91	3.58	49	1.93	24,500	5,506	2.40	5.29
<b>160</b> (Length in mm)														
0160.060.0030	160	6.30	60	2.36	30	171	49	1.93	111	4.37	3,330	748	0.60	1.32
0160.060.0040	160	6.30	60	2.36	40	228	55	2.17	105	4.13	4,200	944	0.70	1.54
0160.060.0050	160	6.30	60	2.36	50	285	57	2.24	103	4.06	5,150	1,157	0.80	1.76
0160.060.0060	160	6.30	60	2.36	60	342	60	2.36	100	3.94	6,000	1,348	0.80	1.76
0160.060.0070	160	6.30	60	2.36	70	400	65	2.56	95	3.74	6,650	1,494	0.90	1.98

Continued





# Coil-Over - 60mm I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>160</b> (Length in mm)														
0160.060.0080	160	6.30	60	2.36	80	457	68	2.68	92	3.62	7,360	1,654	1.00	2.20
0160.060.0090	160	6.30	60	2.36	90	514	68	2.68	92	3.62	8,280	1,861	1.10	2.43
0160.060.0100	160	6.30	60	2.36	100	571	75	2.95	85	3.35	8,500	1,910	1.20	2.65
0160.060.0120	160	6.30	60	2.36	120	685	75	2.95	85	3.35	10,200	2,292	1.30	2.87
0160.060.0140	160	6.30	60	2.36	140	799	77	3.03	83	3.27	11,620	2,611	1.40	3.09
0160.060.0160	160	6.30	60	2.36	160	913	90	3.54	70	2.76	11,200	2,517	1.50	3.31
0160.060.0180	160	6.30	60	2.36	180	1,027	84	3.31	76	2.99	13,680	3,074	1.70	3.75
0160.060.0200	160	6.30	60	2.36	200	1,142	89	3.50	71	2.80	14,200	3,191	1.80	3.97
0160.060.0220	160	6.30	60	2.36	220	1,256	87	3.43	73	2.87	16,060	3,609	1.80	3.97
0160.060.0240	160	6.30	60	2.36	240	1,370	88	3.46	72	2.83	17,280	3,883	1.90	4.19
0160.060.0260	160	6.30	60	2.36	260	1,484	92	3.62	68	2.68	17,680	3,973	2.00	4.41
0160.060.0280	160	6.30	60	2.36	280	1,598	92	3.62	68	2.68	19,040	4,279	2.10	4.63
0160.060.0300	160	6.30	60	2.36	300	1,712	93	3.66	67	2.64	20,100	4,517	2.20	4.85
<b>180</b> (Length in mm)														
0180.060.0030	180	7.09	60	2.36	30	171	59	2.32	121	4.76	3,630	816	0.70	1.54
0180.060.0040	180	7.09	60	2.36	40	228	65	2.56	115	4.53	4,600	1,034	0.80	1.76
0180.060.0050	180	7.09	60	2.36	50	285	74	2.91	106	4.17	5,300	1,191	1.00	2.20
0180.060.0060	180	7.09	60	2.36	60	342	77	3.03	103	4.06	6,180	1,389	1.10	2.43
0180.060.0070	180	7.09	60	2.36	70	400	75	2.95	105	4.13	7,350	1,652	1.00	2.43
0180.060.0080	180	7.09	60	2.36	80	457	80	3.15	100	3.94	8,000	1,798	1.20	2.65
0180.060.0090	180	7.09	60	2.36	90	514	80	3.15	100	3.94	9,000	2,023	1.20	2.65
0180.060.0100	180	7.09	60	2.36	100	571	85	3.35	95	3.74	9,500	2,135	1.30	2.87
0180.060.0110	180	7.09	60	2.36	110	628	86	3.39	94	3.70	10,340	2,324	1.40	3.09
0180.060.0120	180	7.09	60	2.36	120	685	86	3.39	94	3.70	11,280	2,535	1.40	3.09
0180.060.0130	180	7.09	60	2.36	130	742	87	3.43	93	3.66	12,090	2,717	1.50	3.31
0180.060.0140	180	7.09	60	2.36	140	799	95	3.74	85	3.35	11,900	2,674	1.80	3.97
0160.060.0150	180	7.09	60	2.36	150	856	90	3.54	90	3.54	13,500	3,034	1.70	3.75
0180.060.0150	180	7.09	60	2.36	150	857	90	3.54	90	3.54	13,500	3,035	1.70	3.70
0180.060.0175	180	7.09	60	2.36	175	999	98	3.86	82	3.23	14,350	3,225	1.90	4.19
0180.060.0200	180	7.09	60	2.36	200	1,142	100	3.94	80	3.15	16,000	3,596	2.00	4.41
<b>200</b> (Length in mm)														
0200.060.0030	200	7.87	60	2.36	30	171	74	2.91	126	4.96	3,780	849	0.80	1.76
0200.060.0040	200	7.87	60	2.36	40	228	72	2.83	128	5.04	5,120	1,151	0.90	1.98
0200.060.0050	200	7.87	60	2.36	50	285	81	3.19	119	4.69	5,950	1,337	1.10	2.43
0200.060.0060	200	7.87	60	2.36	60	342	85	3.35	115	4.53	6,900	1,551	1.20	2.65
0200.060.0070	200	7.87	60	2.36	70	400	89	3.50	111	4.37	7,770	1,746	1.30	2.87
0200.060.0080	200	7.87	60	2.36	80	457	94	3.70	106	4.17	8,480	1,906	1.40	3.09
0200.060.0090	200	7.87	60	2.36	90	514	92	3.62	108	4.25	9,720	2,184	1.50	3.31
0200.060.0100	200	7.87	60	2.36	100	571	99	3.90	101	3.98	10,100	2,270	1.60	3.53
0200.060.0110	200	7.87	60	2.36	110	628	100	3.94	100	3.94	11,000	2,472	1.70	3.75
0200.060.0120	200	7.87	60	2.36	120	685	100	3.94	100	3.94	12,000	2,697	1.80	3.97

# Coil-Over - 60mm I.D.

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>250</b> (Length in mm)														
0250.060.0030	250	9.84	60	2.36	30	171	92	3.62	158	6.22	4,740	1,065	1.10	2.43
0250.060.0040	250	9.84	60	2.36	40	228	97	3.82	153	6.02	6,120	1,375	1.30	2.87
0250.060.0050	250	9.84	60	2.36	50	285	107	4.21	143	5.63	7,150	1,607	1.50	3.31
0250.060.0060	250	9.84	60	2.36	60	342	109	4.29	141	5.55	8,460	1,901	1.70	3.75
0250.060.0070	250	9.84	60	2.36	70	400	113	4.45	137	5.39	9,590	2,155	1.80	3.97
0250.060.0080	250	9.84	60	2.36	80	457	119	4.69	131	5.16	10,480	2,355	2.00	4.41
0250.060.0090	250	9.84	60	2.36	90	514	126	4.96	124	4.88	11,160	2,508	2.20	4.85
0250.060.0100	250	9.84	60	2.36	100	571	124	4.88	126	4.96	12,600	2,832	2.30	5.07
0250.060.0110	250	9.84	60	2.36	110	628	124	4.88	126	4.96	13,860	3,115	2.30	5.07
0250.060.0120	250	9.84	60	2.36	120	685	132	5.20	118	4.65	14,160	3,182	2.50	5.51
<b>300</b> (Length in mm)														
0300.060.0020	300	11.81	60	2.36	20	114	98	3.86	202	7.95	4,040	908	1.16	2.56
0300.060.0025	300	11.81	60	2.36	25	143	112	4.41	188	7.40	4,700	1,056	1.50	3.31
0300.060.0030	300	11.81	60	2.36	30	171	112	4.41	188	7.40	5,640	1,267	1.50	3.31
0300.060.0035	300	11.81	60	2.36	35	200	114	4.49	186	7.32	6,510	1,463	1.62	3.57
0300.060.0040	300	11.81	60	2.36	40	228	117	4.61	183	7.20	7,320	1,645	1.70	3.75
0300.060.0045	300	11.81	60	2.36	45	257	121	4.76	179	7.05	8,055	1,810	1.86	4.10
0300.060.0050	300	11.81	60	2.36	50	285	127	5.00	173	6.81	8,650	1,944	2.00	4.41
0300.060.0060	300	11.81	60	2.36	60	342	140	5.51	160	6.30	9,600	2,157	2.30	5.07
0300.060.0070	300	11.81	60	2.36	70	400	144	5.67	156	6.14	10,920	2,454	2.50	5.51
0300.060.0080	300	11.81	60	2.36	80	457	149	5.87	151	5.94	12,080	2,715	2.70	5.95
0300.060.0090	300	11.81	60	2.36	90	514	146	5.75	154	6.06	13,860	3,115	2.70	5.95
0300.060.0100	300	11.81	60	2.36	100	571	154	6.06	146	5.75	14,600	3,281	2.90	6.39
<b>350</b> (Length in mm)														
0350.060.0020	350	13.78	60	2.36	20	114	123	4.84	227	8.94	4,540	1,020	1.56	3.44
0350.060.0025	350	13.78	60	2.36	25	143	126	4.96	224	8.82	5,600	1,258	1.70	3.75
0350.060.0030	350	13.78	60	2.36	30	171	131	5.16	219	8.62	6,570	1,476	1.85	4.08
0350.060.0035	350	13.78	60	2.36	35	200	139	5.47	211	8.31	7,385	1,660	2.10	4.63
0350.060.0040	350	13.78	60	2.36	40	228	147	5.79	203	7.99	8,120	1,825	2.32	5.11
0350.060.0045	350	13.78	60	2.36	45	257	159	6.26	191	7.52	8,595	1,932	2.60	5.73
0350.060.0050	350	13.78	60	2.36	50	285	156	6.14	194	7.64	9,700	2,180	2.66	5.86
0350.060.0055	350	13.78	60	2.36	55	314	155	6.10	195	7.68	10,725	2,410	2.72	6.00



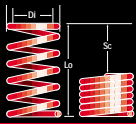
# Tender - 60mm I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>Tender/Linear</b>														
0035.060.0065	60	2.36	60	2.36	65	371	25	0.98	35	1.38	2,275	511	0.40	0.90
0040.060.0030	65	2.36	60	2.36	30	171	25	0.98	40	1.57	1,200	270	0.30	0.70
0040.060.0040	75	2.95	60	2.36	40	228	35	1.38	40	1.57	1,600	360	0.60	1.30
0040.060.0050	68	2.68	60	2.36	50	286	28	1.10	40	1.57	2,000	449	0.50	1.10
0040.060.0055	68	2.68	60	2.36	55	314	28	1.10	40	1.57	2,200	494	0.50	1.11
0040.060.0060	66	2.60	60	2.36	60	343	26	1.02	40	1.57	2,400	539	0.60	1.20
0040.060.0070	65	2.56	60	2.36	70	400	25	0.98	40	1.57	2,800	629	0.40	0.90
0040.060.0020	55	2.17	60	2.36	20	114	15	0.59	40	1.57	800	180	0.30	0.70
0050.060.0020	78	3.07	60	2.36	20	114	28	1.10	50	1.97	1,000	225	0.50	1.10
0050.060.0030	90	3.54	60	2.36	30	171	40	1.57	50	1.97	1,500	337	0.50	1.10
0060.060.0030	101	3.98	60	2.36	30	171	41	1.61	60	2.36	1,800	405	0.80	1.80
0060.060.0040	113	4.45	60	2.36	40	228	53	2.09	60	2.36	2,400	539	0.90	2.00
0060.060.0050	105	4.13	60	2.36	50	286	45	1.77	60	2.36	3,000	674	0.80	1.80
0060.060.0060	96	3.78	60	2.36	60	343	36	1.42	60	2.36	3,600	809	0.70	1.60
0060.060.0070	95	3.74	60	2.36	70	400	35	1.38	60	2.36	4,200	944	0.70	1.50
0080.060.0010	104	4.09	60	2.36	10	57	24	0.94	80	3.15	800	180	0.40	0.90
0100.060.0010	124	4.09	60	2.36	10	57	24	0.94	100	3.94	1,000	225	0.40	0.90
<b>Tender/Progressive</b>														
0050.060.0120	95	3.74	60	2.36	40/120	228/685	45	1.77	50	1.97	3,800	854	0.70	1.54
0050.060.0150	117	4.61	60	2.36	60/150	342/856	67	2.64	50	1.97	5,000	1,124	1.20	2.65
<b>Helper</b> (prevents main spring from becoming loose at full droop)														
0060.060.0002	73	2.87	60	2.36	2	11	13	0.51	60	2.36	120	27	0.15	0.33
<b>Spacer</b> (ID locating main to Helper/Tender coupling spacer)														
ERS-SE-M-060-CI														







# Coil-Over - 70mm I.D.

Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>200</b> (Length in mm)														
0200.070.0050	200	7.87	70	2.76	50	285	73	2.87	127	5.00	6,350	1,427	1.23	2.71
0200.070.0055	200	7.87	70	2.76	55	314	74	2.91	126	4.96	6,930	1,557	1.27	2.80
0200.070.0060	200	7.87	70	2.76	60	342	75	2.95	125	4.92	7,500	1,685	1.32	2.91
0200.070.0065	200	7.87	70	2.76	65	371	83	3.27	117	4.61	7,605	1,709	1.54	3.40
0200.070.0070	200	7.87	70	2.76	70	400	84	3.31	116	4.57	8,120	1,825	1.61	3.55
0200.070.0075	200	7.87	70	2.76	75	428	86	3.39	114	4.49	8,550	1,921	1.68	3.70
0200.070.0080	200	7.87	70	2.76	80	457	82	3.23	118	4.65	9,440	2,121	1.60	3.53
0200.070.0085	200	7.87	70	2.76	85	485	84	3.31	116	4.57	9,860	2,216	1.68	3.70
0200.070.0090	200	7.87	70	2.76	90	514	86	3.39	114	4.49	10,260	2,306	1.77	3.90
0200.070.0100	200	7.87	70	2.76	100	571	92	3.62	108	4.25	10,800	2,427	1.97	4.34
0200.070.0110	200	7.87	70	2.76	110	628	91	3.58	109	4.29	11,990	2,694	1.99	4.39
0200.070.0120	200	7.87	70	2.76	120	685	97	3.82	103	4.06	12,360	2,778	2.22	4.89
<b>225</b> (Length in mm)														
0225.070.0050	225	8.86	70	2.76	50	285	87	3.43	138	5.43	6,900	1,551	1.55	3.42
0225.070.0055	225	8.86	70	2.76	55	314	87	3.43	138	5.43	7,590	1,706	1.59	3.51
0225.070.0060	225	8.86	70	2.76	60	342	88	3.46	137	5.39	8,220	1,847	1.65	3.64
0225.070.0065	225	8.86	70	2.76	65	371	90	3.54	135	5.31	8,775	1,972	1.72	3.79
0225.070.0070	225	8.86	70	2.76	70	400	91	3.58	134	5.28	9,380	2,108	1.79	3.95
0225.070.0075	225	8.86	70	2.76	75	428	93	3.66	132	5.20	9,900	2,225	1.86	4.10
0225.070.0080	225	8.86	70	2.76	80	457	95	3.74	130	5.12	10,400	2,337	1.96	4.32
0225.070.0085	225	8.86	70	2.76	85	485	98	3.86	127	5.00	10,795	2,426	2.05	4.52
0225.070.0090	225	8.86	70	2.76	90	514	100	3.94	125	4.92	11,250	2,528	2.14	4.72
0225.070.0100	225	8.86	70	2.76	100	571	105	4.13	120	4.72	12,000	2,697	2.36	5.20
0225.070.0110	225	8.86	70	2.76	110	628	105	4.13	120	4.72	13,200	2,966	2.40	5.29
0225.070.0120	225	8.86	70	2.76	120	685	111	4.37	114	4.49	13,680	3,074	2.65	5.84
<b>250</b> (Length in mm)														
0250.070.0040	250	9.84	70	2.76	40	228	87	3.43	163	6.42	6,520	1,465	1.48	3.26
0250.070.0045	250	9.84	70	2.76	45	257	95	3.74	155	6.10	6,975	1,567	1.69	3.73
0250.070.0050	250	9.84	70	2.76	50	285	94	3.70	156	6.14	7,800	1,753	1.73	3.81
0250.070.0055	250	9.84	70	2.76	55	314	95	3.74	155	6.100	8,525	1,916	1.77	3.90
0250.070.0060	250	9.84	70	2.76	60	343	104	4.09	146	5.75	8,760	1,969	2.10	4.50
0250.070.0065	250	9.84	70	2.76	65	371	105	4.13	145	5.71	9,425	2,118	2.11	4.65
0250.070.0070	250	9.84	70	2.76	70	400	106	4.17	144	5.67	10,080	2,265	2.18	4.81
0250.070.0075	250	9.84	70	2.76	75	428	108	4.25	142	5.59	10,650	2,393	2.28	5.03
0250.070.0080	250	9.84	70	2.76	80	457	111	4.37	139	5.47	11,120	2,499	2.38	5.25
0250.070.0085	250	9.84	70	2.76	85	485	113	4.45	137	5.39	11,645	2,617	2.47	5.45
0250.070.0090	250	9.84	70	2.76	90	514	115	4.53	135	5.31	12,150	2,730	2.59	5.71
0250.070.0100	250	9.84	70	2.76	100	571	122	4.80	128	5.04	12,800	2,877	2.85	6.28
0250.070.0110	250	9.84	70	2.76	110	628	120	4.72	130	5.12	14,300	3,214	2.86	6.31
0250.070.0120	250	9.84	70	2.76	120	685	127	5.00	123	4.84	14,760	3,317	3.16	6.97



# Coil-Over - 70mm I.D.



Part Number	Lo		Di		C		Lc		Sc		Fc		WT	
	mm	inch	mm	inch	N/mm	lbs/inch	mm	inch	mm	inch	N	lbs	kg	lbs
<b>300</b> (Length in mm)														
0300.070.0020	300	11.81	70	2.76	20	114	97	3.82	203	7.99	4,060	912	1.44	3.17
0300.070.0025	300	11.81	70	2.76	25	143	97	3.82	203	7.99	5,075	1,141	1.53	3.37
0300.070.0030	300	11.81	70	2.76	30	171	102	4.02	198	7.80	5,940	1,335	1.69	3.73
0300.070.0035	300	11.81	70	2.76	35	200	107	4.21	193	7.60	6,755	1,519	1.90	4.10
0300.070.0040	300	11.81	70	2.76	40	228	113	4.45	187	7.36	7,480	1,681	2.08	4.59
0300.070.0045	300	11.81	70	2.76	45	257	112	4.41	188	7.40	8,460	1,901	2.11	4.65
0300.070.0050	300	11.81	70	2.76	50	285	120	4.72	180	7.09	9,000	2,023	2.38	5.25
0300.070.0055	300	11.81	70	2.76	55	314	120	4.72	180	7.09	9,900	2,225	2.43	5.36
0300.070.0060	300	11.81	70	2.76	60	342	131	5.16	169	6.65	10,140	2,279	2.77	6.11
<b>350</b> (Length in mm)														
0350.070.0020	350	13.78	70	2.76	20	114	107	4.21	243	9.57	4,860	1,092	1.64	3.62
0350.070.0025	350	13.78	70	2.76	25	143	120	4.72	230	9.06	5,750	1,292	2.00	4.41
0350.070.0030	350	13.78	70	2.76	30	171	123	4.84	227	8.94	6,810	1,530	2.10	4.63
0350.070.0035	350	13.78	70	2.76	35	200	129	5.08	221	8.70	7,735	1,738	2.30	5.07
0350.070.0040	350	13.78	70	2.76	40	228	136	5.35	214	8.43	8,560	1,924	2.60	5.73
0350.070.0045	350	13.78	70	2.76	45	257	145	5.71	205	8.07	9,225	2,073	2.90	6.39
0350.070.0050	350	13.78	70	2.76	50	285	143	5.63	207	8.15	10,350	2,326	2.90	6.39
0350.070.0055	350	13.78	70	2.76	55	314	154	6.06	196	7.72	10,780	2,423	3.30	7.28
0350.070.0060	350	13.78	70	2.76	60	342	152	5.98	198	7.80	11,880	2,670	3.36	7.41
<b>Tender/Linear</b>														
0025.070.0015	40	1.56	70	2.76	15	86	15	0.56	25	1.00	375	84	0.30	0.70
0035.070.0015	50	1.94	70	2.76	15	86	15	0.63	35	1.38	525	118	0.30	0.70
0040.070.0030	82	3.22	70	2.76	30	171	42	1.64	40	1.57	1,200	270	0.92	2.03
0040.070.0040	78	3.07	70	2.76	40	228	38	1.50	40	1.57	1,600	360	0.70	1.54
0040.070.0050	69	2.70	70	2.76	50	285	29	1.12	40	1.57	2,000	449	0.62	1.37
0040.070.0060	71	2.80	70	2.76	60	342	31	1.23	40	1.57	2,400	539	0.68	1.50
0040.070.0020	57	2.25	70	2.76	20	114	17	0.69	40	1.56	800	180	0.30	0.70
0060.070.0045	98	3.86	70	2.76	45	257	38	1.50	60	2.36	2,700	607	0.85	1.90
0070.070.0015	97	3.82	70	2.76	15	86	27	1.06	70	2.76	1,050	236	0.48	1.06
0070.070.0030	118	4.65	70	2.76	30	171	48	1.89	70	2.76	2,100	472	0.95	2.09
0070.070.0034	108	4.25	70	2.76	34	194	38	1.50	70	2.76	2,380	535	0.83	1.83
0070.070.0038	111	4.37	70	2.76	38	217	41	1.61	70	2.76	2,660	598	0.80	1.76
0070.070.0042	111	4.37	70	2.76	42	240	41	1.61	70	2.76	2,940	661	0.91	2.01
0070.070.0046	106	4.17	70	2.76	46	263	36	1.42	70	2.76	3,220	724	0.70	1.54
0070.070.0050	121	4.76	70	2.76	50	285	51	2.01	70	2.76	3,500	787	1.12	2.47
0070.070.0060	121	4.76	70	2.76	60	342	51	2.01	70	2.76	4,200	944	1.12	2.48
<b>Helper</b>														
0080.070.0003	93	3.66	70	2.76	3	14	13	0.51	80	3.15	200	45	0.14	0.31

# Eibach's Race Spring-System (ERS)

A properly tuned spring system provides the muscle needed to transform the power derived from the engine of a racing car to the track through opti-



mum adhesion. Suspension tuning is a precise balance. On one hand, the spring system should be soft enough to compensate for road irregularities assuring permanent road contact, while on the other hand the spring system must be firm enough to reduce the body roll, squat, and dive of the vehicle during cornering, acceleration and braking.

For optimum balance, Eibach has developed our world famous **ERS Double - Spring System**. By combining more than 700 different single spring components, the suspension engineer or weekend enthusiast can create nearly unlimited combinations. Our **ERS Double - Spring System** is unsurpassed in performance and flexibility.

The **ERS Double - Spring System** relies on a **Main** and **Tender** spring concept that provides a softer ini-

tial rate when both springs are compressed together, then delivers the desired firmer ending rate once the **Tender** spring closes completely. The **Main** spring has a linear-rate characteristic and determines the final rate of the system. The **Tender** springs are available in a variety of linear-rate as well as progressive-rate characteristics and determine the initial rate of the system.

A **Helper** spring is used to prevent the **Main** spring from becoming loose in the spring seat when the wheel is at full droop. The **Helper** spring, unlike the **Tender** spring, has very little spring rate, and therefore has no effect on the suspension characteristics of the vehicle. Up to 50mm of spring-to-perch gap can be covered with the use of a **Helper** spring.

A coupling **Spacer** is used to connect **Main** and **Tender** springs. Eibach offers both inside and outside diameter coupling **Spacers** depending upon the dimension and function of the specific damper utilized.





# Eibach Wizard

To help you determine the best combination of MAIN and TENDER spring for your situation, Eibach has developed a computer program called the **ERS Wizard**. Every chassis / suspension / driver is unique therefore we suggest that you utilize the **ERS Wizard** to fully understand the dynamics of the double spring combination before you go testing.

The **ERS Wizard** is available from Eibach on CD-ROM. Below we have listed the formulas for determining the initial and final rate as well as the transition point between the two. These are the basic formulas behind the **ERS Wizard**.

The following formula is used to determine the initial spring rate:

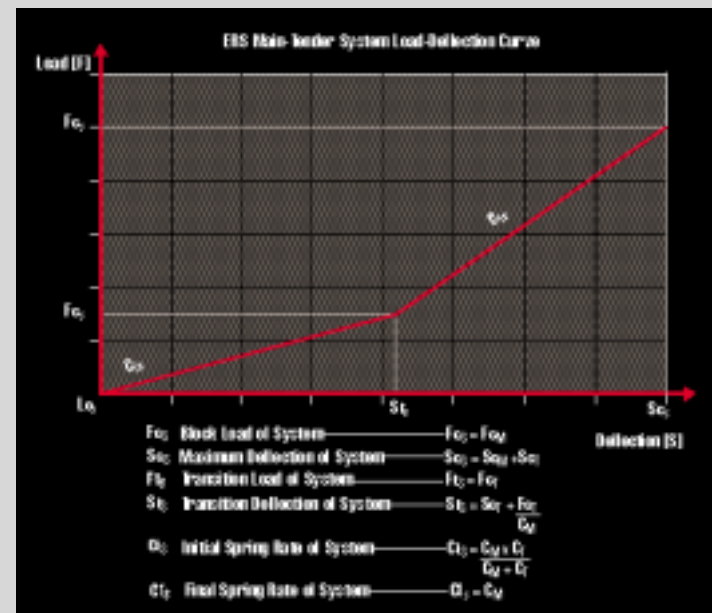
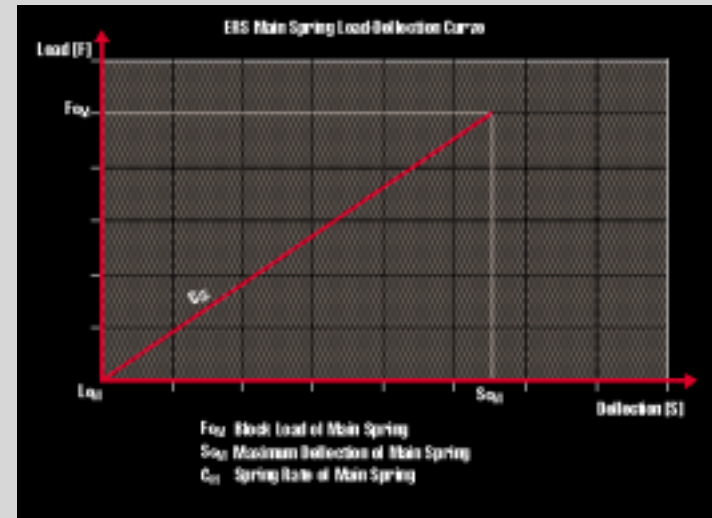
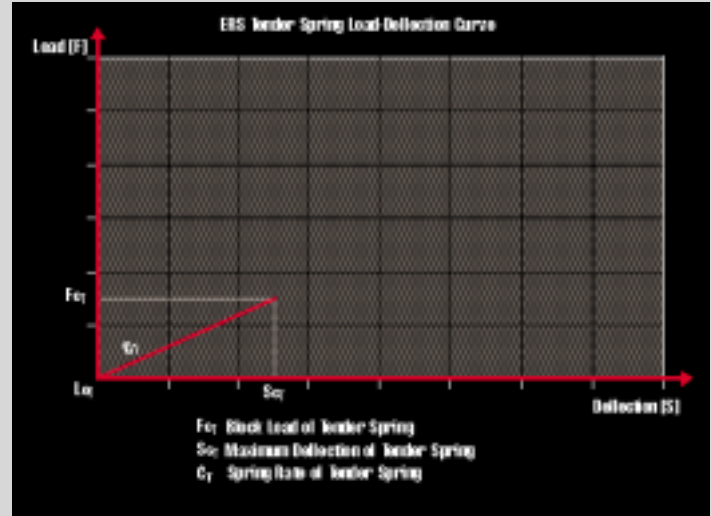
CI	Initial Spring Rate	$CI = \frac{CM \times CT}{CM + CT}$
CM	Spring Rate of Main	
CT	Spring Rate of Tender Spring	

The final spring rate (effective after the tender spring is closed) is simply the rate of the active Main spring.

The following formula is used to determine the transition point between the initial rate and the final rate:

TP	Translation Point	$TP = \frac{(F_c) t}{(C_i)}$
CI	Initial Rate of Main/ Tender Spring Combination	
(F <sub>c</sub> )t	Block Load of Tender Spring - see Application List	

**Please note:** the main/progressive tender spring combination has various rates and transition points and as a result the respective formulas required to determine the rates and transition points are more complex. Please refer to the **ERS Wizard** for these calculations.



# Suspension Worksheet

In order to determine a basic spring setup, two important inputs are required: **WHEEL RATE** and **SUSPENSION FREQUENCY**.

**WHEEL RATE** is the actual rate of a spring acting at the tire contact patch. This value is measured in lbs/inch or N/mm, just as spring rate is. The wheel rate can be determined by using the formula below. See step 2.

**SUSPENSION FREQUENCY:** refers to the number of oscillations or "cycles" of the suspension over a fixed time period when a load is applied to the vehicle. See step 3.

In order to determine **WHEEL RATE** and **SUSPENSION FREQUENCY**, you must first determine **MOTION RATIO**. A different formula is needed for the type of suspension your race vehicle utilizes, A-arm or Beam axle. See step 1. Please take into consideration the **Angle Correction Factor** (shown in step 1) in your computation.

## Step 1: Motion Ratio

### A-arm Suspension – (See diagram 1)

MR Motion Ratio

d1 Distance from spring centerline to control arm inner pivot center (in) or (mm)

d2 Distance from outer ball joint to control arm inner pivot center (in) or (mm)

$$MR = \left( \frac{d1}{d2} \right)^2$$

### Beam Axle Suspension – (See diagram 2)

MR Motion Ratio

d3 Distance between spring centerlines (in) or (mm)

d4 Distance between tire centerlines

$$MR = \frac{(d3)}{(d4)}$$

### Angle Correction Factor

ACF Angle Correction Factor

A Spring angle from vertical (see diagram 1)

C Spring Rate (lbs/in) or (N/mm)

$$ACF = \left( \cos(A) \right) \left( \frac{C}{C} \right)$$

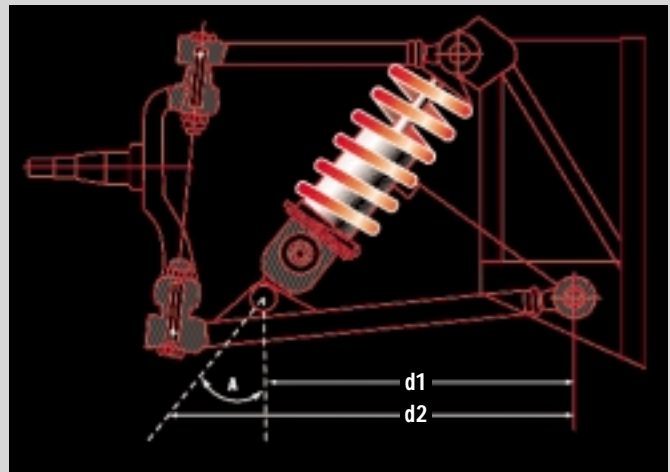


Diagram 1 (A-arm suspension)

The motion ratio is a lever arm effect of the control arm acting on the spring. If the spring is mounted at an angle, the reduced motion of the spring must also be taken in account.

## Step 2: Wheel Rate (non beam)

### Wheel Rate:

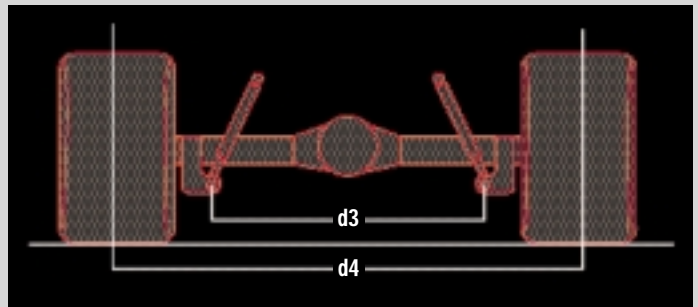
WR Wheel Rate (lbs/in) or (N/mm)

C Spring Rate (lbs/in) or (N/mm)

MR Motion Ratio

ACF Angle Correction Factor

$$WR = \frac{(C)}{(MR)^2 (ACF)}$$



The motion ratio of a live axle setup is shown here. Over two-wheel bumps, the motion ratio is 1:1. Over single wheel bumps and during body roll, the motion ratio as shown in step 1. The motion ratio is only used for calculating roll resistance, not for suspension frequencies.

## Step 3: Suspension Frequency

### Suspension Frequency

SF Suspension Frequency (cpm)

WR Wheel Rate (lbs/in) or (N/mm)

Sprung Weight Vehicle corner weight less unsprung weight

$$SF = (187.8) \sqrt{\frac{WR}{\text{sprung weight}}}$$

### Tip 1: Calculation of Wheel Rate for a given frequency

WR Wheel Rate (lbs/in) or (N/mm) (see step 2)

SF Suspension Frequency (cpm) (see step 3)

Sprung Weight Vehicle corner weight less unsprung weight

$$WR = \left( \frac{SF}{187.8} \right)^2 \left( \text{Sprung Weight} \right)$$

### Tip 2: Calculation of Spring Rate needed for a given Wheel Rate

C Spring Rate (lbs/in) or (N/mm)

WR Wheel Rate (lbs/in) or (N/mm) (see step 2)

MR Motion Ratio

ACF Angle Correction Factor

$$C = \frac{WR}{(MR) (ACF)}$$

# Suspension Worksheet - Part 2

## Determining Rate on Eibach *ERS* (Coil-Over Springs)

In order to determine the actual spring rate in the "working range" of the spring, all Eibach *ERS* coils are tested between 20% and 70% of the spring's total travel. This spring rate can be measured easily using the following procedure:

(For our example we will use a 1200.250.0500 (12", 2.5"ID, 500lb/in)

and for our metric customers a 0300.060.0100) (300mm, 60mm ID, 100N) *ERS* spring)

1

For the spring to be rated, please refer to the specifications listed in our new catalog and record the  $S_c$  (deflection/travel) measurement. This number represents the total available travel from free height to coil bind. In this example, our spring  $S_c$  measurement is 6.25" or 146mm.

2

Next, determine the testing preload compression. Calculate starting compression travel by taking 20% of 6.25" (which equals 1.25" ) or 20% of 146mm (which equals 29.20mm) and the ending compression travel by taking 70% of 6.25" (which equals 4.375") or 70% of 146mm (which equals 102.20mm). The actual travel between these two points (3.125") or (73mm) is where we determine the spring rate.

3

Preload the spring 1.25" or 29.20mm and record the force measurement. Continue to compress the spring an additional 3.125" (total compression of 4.375") or 73mm (total compression of 102.20mm) and record the force measurement. Calculate and record the difference in force between the two points (1.25"><4.375") or (29.20mm><102.20mm). In our example the difference would be approximately 1565lbs. or 7300N.

4

Calculate the actual spring rate by dividing the difference in force (1565lbs) or (7300N) by the actual travel between the two points (3.125") or (73mm). The rate should fall between 490 and 510 lbs/in (1565 / 3.125 = 500lb). or 95N and 105N (7300N / 73mm = 100N/mm).

## Setting up a new race car? Not sure which spring rate to choose?

Contact Eibach to have our Motorsport Spring Checklist faxed to you. Simply fill out the required data and fax it back to Eibach to get your recommended Eibach *ERS* spring rates and part numbers.





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