CATALOG 2010

Eibach® SPRINGS

THE WILL TO WIN

DOMINATE THE TRACK.

For 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.

#1 CHOICE OF MOTORSPORT CHAMPIONS WORLDWIDE!

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APPLICATIONS

EIBACH SPRINGS | Quality Unsurpassed

PERFORMANCE PERFECTED

- Ultra-Lightweight for Reduced Unsprung Mass
- Maximum Deflection in Combination with Smallest Block Heights
- Exceptional Block Resistance and Durability
- Precision Tolerances—The Tightest in the Industry
- Precision Planparallel and Square End Configurations Under Unloaded and Loaded Conditions to +/- 1 Degree
- Lowest Side Loads with Load Center Ideally Located Relative to Spring Axis
- Highest Linearity and Guaranteed Rate Consistency Within 2% Of Advertised Rate
- Each Spring Individually Tested and Rated
- Eibach Springs Lifetime Warranty

Eibach 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.

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.

CUSTOM-SPEC | Extreme Performance Race Springs

SPRING TECHNOLOGY FOR THE HIGHEST REQUIREMENTS

While the Eibach ERS system (see page 10) 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.

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.

Audi Sport
Official Supplier

BP FORD
ABU DHABI
WORLD RALLY TEAM

OFFICIAL
Eibach
SPRINGS PARTNER

1-800-222-8811

EIBACH XT BARREL SPRINGS | Extreme Travel for Circle Track

MORE TRAVEL AND CLEARANCE

Eibach's new XT Barrel coil springs are designed for the special needs of Circle Track racing, and are configured to provide additional clearance for standard 2.5-inch circle-track racing shocks.

Available in 12" and 14" lengths with rates from 125 to 250 pounds-per-inch, their distinctive XT Barrel shape works seamlessly with standard 2.5-inch spring perches, allowing easy access to the lower ball joint while retaining the benefits of a larger-diameter spring-with more travel and more shock body clearance. The continuous taper of Eibach's XT Barrel springs to a maximum 3.0" ID allows our engineers to increase the spring-coil pitch beyond any previous designs, yielding a lighter spring, and increased usable travel.

Eibach's legendary quality and proprietary high-tensile, chrome-silicon spring wire ensure that your XT Barrel springs will measure and perform the same, year after year.

eibach.com

Eibach SPRINGS®

EIBACH ERO | Off-Road Racing Springs–Silver

THE ULTIMATE IN DURABILITY AND PERFORMANCE

Introducing our Eibach ERO spring system, designed to withstand the extreme challenges of off-road racing with legendary Eibach performance, quality and reliability.

Like all other Eibach racing springs, our ERO springs will maintain their dimensions and rates to incredibly tight tolerances, jump after jump, race after race. Thanks to our highest-quality spring steel, state-of-the-art manufacturing and rigorous quality assurance, Eibach ERO springs will deliver the performance and reliability you need to get ahead of the pack—and stay there.

Available in 2.50", 3.00" and 3.63" inside diameters with free lengths from 8" to 33" and rates from 100 lbs to 800 lbs. A complete line of compatible, flat-wire helper springs, tender springs and spring coupling spacers gives you the tools you need to create a suspension system you can count on. Additional sizes and rates are available in red.

EIBACH SPRING WRAPS | Durable & Lightweight Spring Covers

PERFORMANCE PROTECTION FOR YOUR COIL-OVER SHOCKS & SPRINGS

Racing on dirt, mud, rocks and sand can take its toll on your race car. Don't let your suspension be exposed to these harsh elements! On the dirt tracks, our exclusive Eibach Spring Wraps will help prevent mud build-up to save weight and protect seals.

And for off-road, you will appreciate the rock and sand protection to prevent the shock shaft from pitting and damaging seals.

The Eibach Spring Wraps make it is easy to extend the life and performance for your shocks and springs. Made from durable and lightweight polypropylene– does not absorb moisture. Mounting is quick and easy.

Please note: Wraps sold individually by spring diameter and length. Lengths can be cut down for shorter spring/suspension set-ups.

Spring Diameter	Dimensions	Part#
2.50"	9"H X 15"W	SW090.150
2.50"	13"H X 15"W	SW130.150
3.00"	13"H X 16.5"W	SW130.165
3.63"	17"H X 20"W	SW170.200

EIBACH RACE SPRING SYSTEMS

EIBACH DOUBLE-SPRING SYSTEM

Suspension tuning is a precise balance. On one hand, the spring system should be soft enough to absorb track irregularities assuring maximum adhesion, 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 the ERS double-spring system. By combining Eibach Main, Tender and/or Helper springs, the suspension engineer or weekend racer can create the perfect combination of spring rates for the ultimate suspension set-up. With our extensive range of motorsport spring sizes and rates—our ERS double-spring system is unsurpassed in performance and flexibility. For Off-Road racing where extreme wheel travel is a must—combining two different rate main springs gives you the softer rate required for small bumps and a stiffer final rate to prevent bottoming on the bigger bumps and jumps.

EIBACH MAIN AND TENDER SYSTEM

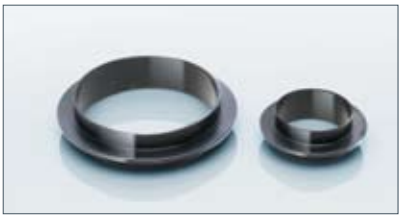
The Eibach Main and Tender spring concept provides a softer initial rate when both springs are compressed together, then delivers the desired firmer final rate once the tender spring closes completely. The Main spring has a linear-rate characteristic and determines the final rate of the system. The Tender springs are available in linear or progressive-rate (shown) and determine the initial rate of the spring-system.

EIBACH MAIN AND HELPER SYSTEM

A Helper spring is used to prevent the Main spring from becoming loose in the spring seat when the suspension is unloaded or 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 2" (50mm) of spring-to-perch gap can be covered with the use of a Helper spring.

EIBACH COUPLING SPACERS

Coupling Spacers are used to connect Main and Tender (or Helper) springs. Eibach offers inside diameter coupling spacers for our most popular ERS double-spring applications.



EIBACH TORSION RELEASE BEARING - TRB

The Eibach TRB bearing system reduces torsional binding by removing friction during deflection. This results in a smoother and more consistent spring action throughout the entire range of deflection. Also allows for easier and more precise ride height adjustment by eliminating spring seat friction.

COIL-OVER | 1.63" I.D. (Quarter Midget)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
5.00 (length in inches)							
0500.163.0075	5.00	1.63	75	1.43	3.57	267	0.35
0500.163.0080	5.00	1.63	80	1.46	3.54	283	0.36
0500.163.0085	5.00	1.63	85	1.40	3.60	306	0.35
0500.163.0090	5.00	1.63	90	1.45	3.55	320	0.37
0500.163.0095	5.00	1.63	95	1.47	3.53	335	0.38
0500.163.0100	5.00	1.63	100	1.52	3.48	348	0.40
0500.163.0105	5.00	1.63	105	1.57	3.43	360	0.43
0500.163.0110	5.00	1.63	110	1.53	3.47	382	0.41
0500.163.0115	5.00	1.63	115	1.55	3.45	396	0.43
0500.163.0120	5.00	1.63	120	1.63	3.37	405	0.46
0500.163.0125	5.00	1.63	125	1.68	3.32	415	0.48
0500.163.0130	5.00	1.63	130	1.73	3.27	425	0.50
0500.163.0135	5.00	1.63	135	1.78	3.22	434	0.53
0500.163.0140	5.00	1.63	140	1.73	3.27	457	0.52
0500.163.0145	5.00	1.63	145	1.68	3.32	481	0.50
0500.163.0150	5.00	1.63	150	1.74	3.26	490	0.53

COIL-OVER | 1.88" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.00 (length in inches)							
0800.188.0100	8.00	1.88	100	2.60	5.40	539	1.06
0800.188.0175	8.00	1.88	175	3.05	4.95	866	1.49
0800.188.0185	8.00	1.88	185	3.31	4.69	868	1.61
0800.188.0200	8.00	1.88	200	3.16	4.84	967	1.61
0800.188.0225	8.00	1.88	225	3.54	4.46	1,003	2.24
0800.188.0250	8.00	1.88	250	3.28	4.72	1,181	1.78
0800.188.0280	8.00	1.88	280	3.42	4.58	1,281	1.87
0800.188.0325	8.00	1.88	325	3.63	4.37	1,421	2.16
0800.188.0350	8.00	1.88	350	3.76	4.24	1,484	2.31
10.00 (length in inches)							
1000.188.0050	10.00	1.88	50	2.49	7.51	376	0.86
1000.188.0130	10.00	1.88	130	3.57	6.43	835	1.71
1000.188.0145	10.00	1.88	145	4.25	5.75	834	2.14
1000.188.0160	10.00	1.88	160	3.83	6.17	987	1.96
1000.188.0175	10.00	1.88	175	3.98	6.02	1,053	2.11
1000.188.0200	10.00	1.88	200	3.99	6.01	1,203	2.18
1000.188.0225	10.00	1.88	225	4.56	5.44	1,223	2.60
1000.188.0250	10.00	1.88	250	4.55	5.45	1,363	2.73
1000.188.0275	10.00	1.88	275	4.63	5.37	1,478	2.86
1000.188.0300	10.00	1.88	300	4.39	5.61	1,683	2.65
1000.188.0325	10.00	1.88	325	4.50	5.50	1,787	2.79
1000.188.0350	10.00	1.88	350	4.67	5.33	1,865	2.99
1000.188.0400	10.00	1.88	400	4.57	5.43	2,171	3.00
1000.188.0450	10.00	1.88	450	4.94	5.06	2,277	3.42
Helper (prevents main spring from becoming loose at full droop)							
HELPER188	3.00	1.88	12	0.72	2.28	29	0.35
Spacer (ID locating main to helper/tender coupling spacer)							
SPACER188 (Spring Coupler)							
Torsion Release Bearing							
TRB188							

COIL-OVER | 2.00" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
4.00 (length in inches)							
0400.200.0350	4.00	2.00	350	1.61	2.39	837	0.81
0400.200.0500	4.00	2.00	500	1.82	2.18	1,089	1.08
0400.200.0550	4.00	2.00	550	1.73	2.27	1,248	0.99
0400.200.0650	4.00	2.00	650	2.03	1.97	1,282	1.28
0400.200.0700	4.00	2.00	700	1.95	2.05	1,436	1.22
0400.200.0750	4.00	2.00	750	2.00	2.00	1,501	1.29
0400.200.0800	4.00	2.00	800	2.02	1.98	1,586	1.24
0400.200.0850	4.00	2.00	850	1.94	2.06	1,754	1.19
0400.200.1050	4.00	2.00	1050	2.12	1.88	1,972	1.41
0400.200.1150	4.00	2.00	1150	2.17	1.83	2,104	1.48
0400.200.1250	4.00	2.00	1250	2.17	1.83	2,283	1.52
0400.200.1400	4.00	2.00	1400	2.20	1.80	2,524	1.57
0400.200.1600	4.00	2.00	1600	2.27	1.73	2,774	1.70
0400.200.1700	4.00	2.00	1700	2.36	1.64	2,784	1.82
0400.200.1800	4.00	2.00	1800	2.26	1.74	3,125	1.74
0400.200.1900	4.00	2.00	1900	2.33	1.67	3,165	1.83
0400.200.2000	4.00	2.00	2000	2.41	1.59	3,189	1.94
0400.200.2100	4.00	2.00	2100	2.35	1.65	3,456	1.90
0400.200.2200	4.00	2.00	2200	2.40	1.60	3,521	1.96
0400.200.2400	4.00	2.00	2400	2.42	1.58	3,797	2.39
0400.200.2600	4.00	2.00	2600	2.44	1.56	4,067	2.43
0400.200.2800	4.00	2.00	2800	2.58	1.42	3,974	2.32
0400.200.3000	4.00	2.00	3000	2.50	1.50	4,511	2.21
0400.200.3500	4.00	2.00	3500	2.66	1.34	4,699	2.53
5.00 (length in inches)							
0500.200.0250	5.00	2.00	250	1.97	3.03	758	0.93
0500.200.0400	5.00	2.00	400	2.29	2.71	1,082	1.28
0500.200.0425	5.00	2.00	425	2.30	2.70	1,147	1.38
0500.200.0700	5.00	2.00	700	2.38	2.62	1,836	1.52
0500.200.0725	5.00	2.00	725	2.34	2.66	1,932	1.49
0500.200.0750	5.00	2.00	750	2.45	2.55	1,909	1.62
0500.200.0800	5.00	2.00	800	2.56	2.44	1,956	1.73
0500.200.0950	5.00	2.00	950	2.63	2.37	2,255	1.87
0500.200.1000	5.00	2.00	1000	2.54	2.46	2,464	1.80
0500.200.1050	5.00	2.00	1050	2.64	2.36	2,481	1.92
0500.200.1100	5.00	2.00	1100	2.74	2.26	2,485	2.05
0500.200.1150	5.00	2.00	1150	2.67	2.33	2,680	2.00
0500.200.1200	5.00	2.00	1200	2.77	2.23	2,672	2.13
0500.200.1350	5.00	2.00	1350	2.73	2.27	3,063	2.14
0500.200.1400	5.00	2.00	1400	2.86	2.14	2,994	2.30
0500.200.1500	5.00	2.00	1500	2.92	2.08	3,122	2.40
0500.200.1600	5.00	2.00	1600	2.79	2.21	3,536	2.29
0500.200.1700	5.00	2.00	1700	2.84	2.16	3,666	2.38
0500.200.1750	5.00	2.00	1750	2.98	2.02	3,541	2.56
0500.200.1800	5.00	2.00	1800	2.90	2.10	3,786	2.48
0500.200.1900	5.00	2.00	1900	2.98	2.02	3,843	2.61

COIL-OVER | 2.00" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
5.00 (length in inches)							
0500.200.2000	5.00	2.00	2000	3.06	1.94	3,881	2.75
Torsion Release Bearing							
TRB200							

COIL-OVER | 2.25" I.D.

Part Number	Length inch	Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Block Height lbs	Weight lbs
4.00 (length in inches)							
0400.225.0450	4.00	2.25	450	1.62	2.38	1,071	1.02
0400.225.0500	4.00	2.25	500	1.66	2.34	1,168	1.08
0400.225.0550	4.00	2.25	550	1.71	2.29	1,260	1.14
0400.225.0700	4.00	2.25	700	1.82	2.18	1,529	1.21
0400.225.0750	4.00	2.25	750	1.88	2.12	1,589	1.29
0400.225.0800	4.00	2.25	800	1.82	2.18	1,745	1.24
0400.225.0825	4.00	2.25	825	1.97	2.03	1,676	1.52
0400.225.0850	4.00	2.25	850	1.88	2.12	1,799	1.32
0400.225.0875	4.00	2.25	875	1.95	2.04	1,794	1.55
0400.225.1000	4.00	2.25	1000	1.97	2.03	2,029	1.46
0400.225.1150	4.00	2.25	1150	2.06	1.94	2,232	1.60
0400.225.1200	4.00	2.25	1200	2.01	1.99	2,385	1.56
0400.225.1250	4.00	2.25	1250	2.10	1.90	2,372	1.68
0400.225.1300	4.00	2.25	1300	2.03	1.97	2,559	1.61
0400.225.1350	4.00	2.25	1350	2.12	1.88	2,535	1.73
0400.225.1400	4.00	2.25	1400	2.10	1.90	2,662	1.71
0400.225.1800	4.00	2.25	1800	2.27	1.73	3,115	2.03
0400.225.1900	4.00	2.25	1900	2.22	1.78	3,387	1.97
0400.225.2000	4.00	2.25	2000	2.26	1.74	3,482	2.06
0400.225.2300	4.00	2.25	2300	2.34	1.66	3,812	2.23
0400.225.2400	4.00	2.25	2400	2.41	1.59	3,810	2.35
0400.225.2500	4.00	2.25	2500	2.36	1.64	4,109	2.28
0400.225.2800	4.00	2.25	2800	2.44	1.56	4,370	2.46
0400.225.3000	4.00	2.25	3000	2.45	1.55	4,647	2.52
0400.225.3200	4.00	2.25	3200	2.49	1.51	4,826	2.62
0400.225.3400	4.00	2.25	3400	2.53	1.47	4,989	2.71
5.00 (length in inches)							
0500.225.0350	5.00	2.25	350	1.95	3.05	1,068	1.24
0500.225.0400	5.00	2.25	400	1.96	3.04	1,215	1.29
0500.225.0425	5.00	2.25	425	2.15	2.85	1,212	1.67
0500.225.0450	5.00	2.25	450	2.15	2.85	1,284	1.49
0500.225.0500	5.00	2.25	500	2.09	2.91	1,456	1.39
0500.225.0525	5.00	2.25	525	2.18	2.82	1,481	1.48
0500.225.0550	5.00	2.25	550	2.12	2.88	1,585	1.43
0500.225.0600	5.00	2.25	600	2.17	2.83	1,699	1.52
0500.225.0625	5.00	2.25	625	2.29	2.71	1,697	1.64
0500.225.0650	5.00	2.25	650	2.22	2.78	1,806	1.59
0500.225.0675	5.00	2.25	675	2.34	2.66	1,796	1.73
0500.225.0700	5.00	2.25	700	2.30	2.70	1,894	1.70

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
5.00 (length in inches)							
0500.225.0750	5.00	2.25	750	2.35	2.65	1,989	1.78
0500.225.0800	5.00	2.25	800	2.44	2.56	2,044	1.90
0500.225.0850	5.00	2.25	850	2.33	2.67	2,269	1.81
0500.225.0875	5.00	2.25	875	2.45	2.55	2,229	1.95
0500.225.0900	5.00	2.25	900	2.43	2.57	2,316	1.93
0500.225.0925	5.00	2.25	925	2.38	2.62	2,421	1.89
0500.225.0950	5.00	2.25	950	2.50	2.50	2,371	2.04
0500.225.1000	5.00	2.25	1000	2.43	2.57	2,567	1.98
0500.225.1050	5.00	2.25	1050	2.51	2.49	2,616	2.09
0500.225.1100	5.00	2.25	1100	2.61	2.39	2,631	2.23
0500.225.1125	5.00	2.25	1125	2.56	2.44	2,746	2.18
0500.225.1150	5.00	2.25	1150	2.53	2.47	2,835	2.16
0500.225.1200	5.00	2.25	1200	2.64	2.36	2,837	2.31
0500.225.1250	5.00	2.25	1250	2.56	2.44	3,050	2.23
0500.225.1300	5.00	2.25	1300	2.64	2.36	3,073	2.36
0500.225.1350	5.00	2.25	1350	2.74	2.26	3,052	2.51
0500.225.1400	5.00	2.25	1400	2.69	2.31	3,238	2.46
0500.225.1450	5.00	2.25	1450	2.79	2.21	3,204	2.61
0500.225.1500	5.00	2.25	1500	2.74	2.26	3,394	2.56
0500.225.1525	5.00	2.25	1525	2.71	2.29	3,491	2.53
0500.225.1550	5.00	2.25	1550	2.84	2.16	3,344	2.72
0500.225.1600	5.00	2.25	1600	2.79	2.21	3,539	2.66
0500.225.1700	5.00	2.25	1700	2.84	2.16	3,674	2.77
0500.225.1750	5.00	2.25	1750	2.95	2.05	3,595	2.94
0500.225.1800	5.00	2.25	1800	2.89	2.11	3,799	2.89
0500.225.1850	5.00	2.25	1850	2.83	2.17	4,008	2.82
0500.225.1900	5.00	2.25	1900	2.94	2.06	3,914	3.00
0500.225.2100	5.00	2.25	2100	2.92	2.08	4,361	3.26
0500.225.2400	5.00	2.25	2400	3.00	2.00	4,797	3.23
0500.225.3100	5.00	2.25	3100	3.25	1.75	5,430	3.85
0500.225.3400	5.00	2.25	3400	3.20	1.80	6,124	3.86
0500.225.3500	5.00	2.25	3500	3.28	1.72	6,021	4.02
0500.225.3600	5.00	2.25	3600	3.21	1.79	6,434	3.93
0500.225.4100	5.00	2.25	4100	3.24	1.76	7,222	4.10
6.00 (length in inches)							
0600.225.0125	6.00	2.25	125	2.01	3.99	499	0.98
0600.225.0150	6.00	2.25	150	2.03	3.97	596	1.03
0600.225.0175	6.00	2.25	175	2.16	3.84	671	1.17
0600.225.0225	6.00	2.25	225	2.27	3.73	838	1.32
0600.225.0250	6.00	2.25	250	2.25	3.75	937	1.40
0600.225.0275	6.00	2.25	275	2.40	3.60	989	1.48
0600.225.0300	6.00	2.25	300	2.22	3.78	1,135	1.60
0600.225.0325	6.00	2.25	325	2.57	3.43	1,114	1.70
0600.225.0350	6.00	2.25	350	2.36	3.64	1,273	1.61
0600.225.0375	6.00	2.25	375	2.56	3.44	1,290	1.72
0600.225.0475	6.00	2.25	475	2.56	3.44	1,633	1.82

COIL-OVER | 2.25" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
6.00 (length in inches)							
0600.225.0500	6.00	2.25	500	2.46	3.54	1,770	1.74
0600.225.0525	6.00	2.25	525	2.60	3.40	1,784	1.90
0600.225.0550	6.00	2.25	550	2.73	3.27	1,799	2.05
0600.225.0575	6.00	2.25	575	2.62	3.38	1,944	1.96
0600.225.0600	6.00	2.25	600	2.75	3.25	1,952	2.11
0600.225.0625	6.00	2.25	625	2.68	3.32	2,076	2.06
0600.225.0650	6.00	2.25	650	2.81	3.19	2,075	2.22
0600.225.0700	6.00	2.25	700	2.87	3.13	2,193	2.32
0600.225.0750	6.00	2.25	750	2.98	3.02	2,267	2.48
0600.225.0800	6.00	2.25	800	2.83	3.17	2,532	2.35
0600.225.0850	6.00	2.25	850	2.89	3.11	2,640	2.45
0600.225.0900	6.00	2.25	900	2.98	3.02	2,720	2.58
0600.225.0950	6.00	2.25	950	3.09	2.91	2,767	2.76
0600.225.1000	6.00	2.25	1000	2.96	3.04	3,038	2.62
0600.225.1100	6.00	2.25	1100	3.18	2.82	3,099	2.95
0600.225.1200	6.00	2.25	1200	3.19	2.81	3,373	3.04
0600.225.1300	6.00	2.25	1300	3.19	2.81	3,648	3.11
0600.225.1400	6.00	2.25	1400	3.28	2.72	3,805	3.48
0600.225.1450	6.00	2.25	1450	3.34	2.66	3,859	3.37
0600.225.1500	6.00	2.25	1500	3.34	2.66	3,990	3.61
0600.225.1600	6.00	2.25	1600	3.34	2.66	4,257	3.68
0600.225.1800	6.00	2.25	1800	3.45	2.55	4,585	3.96
0600.225.2200	6.00	2.25	2200	3.69	2.31	5,092	4.28
7.00 (length in inches)							
0700.225.0150	7.00	2.25	150	2.16	4.84	726	1.18
0700.225.0250	7.00	2.25	250	2.49	4.51	1,126	1.61
0700.225.0300	7.00	2.25	300	2.67	4.33	1,299	1.83
0700.225.0325	7.00	2.25	325	2.95	4.05	1,315	2.02
0700.225.0350	7.00	2.25	350	2.68	4.32	1,513	1.81
0700.225.0375	7.00	2.25	375	2.78	4.22	1,581	1.94
0700.225.0400	7.00	2.25	400	2.89	4.11	1,642	2.08
0700.225.0425	7.00	2.25	425	3.05	3.95	1,680	2.26
0700.225.0450	7.00	2.25	450	2.90	4.10	1,845	2.14
0700.225.0475	7.00	2.25	475	3.03	3.97	1,885	2.30
0700.225.0500	7.00	2.25	500	3.14	3.86	1,927	2.45
0700.225.0525	7.00	2.25	525	3.03	3.97	2,083	2.36
0700.225.0550	7.00	2.25	550	3.17	3.83	2,106	2.53
0700.225.0600	7.00	2.25	600	3.24	3.76	2,257	2.65
0700.225.0650	7.00	2.25	650	3.31	3.69	2,400	2.78
0700.225.0700	7.00	2.25	700	3.38	3.62	2,536	2.90
0700.225.0775	7.00	2.25	775	3.58	3.42	2,655	3.39
0700.225.0800	7.00	2.25	800	3.49	3.51	2,809	3.15
0700.225.0850	7.00	2.25	850	3.56	3.44	2,926	3.29
0700.225.0900	7.00	2.25	900	3.43	3.57	3,213	3.15
0700.225.1000	7.00	2.25	1000	3.64	3.36	3,359	3.51
0700.225.1100	7.00	2.25	1100	3.63	3.37	3,710	3.57

COIL-OVER | 2.25" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.00 (length in inches)							
0800.225.0200	8.00	2.25	200	2.95	5.05	1,010	1.96
0800.225.0225	8.00	2.25	225	3.10	4.90	1,102	2.02
0800.225.0250	8.00	2.25	250	3.09	4.91	1,227	2.13
0800.225.0275	8.00	2.25	275	3.25	4.75	1,307	2.24
0800.225.0300	8.00	2.25	300	3.03	4.97	1,490	2.07
0800.225.0325	8.00	2.25	325	3.13	4.87	1,584	2.21
0800.225.0350	8.00	2.25	350	3.22	4.78	1,671	2.34
0800.225.0375	8.00	2.25	375	3.30	4.70	1,762	2.47
0800.225.0400	8.00	2.25	400	3.46	4.54	1,814	2.66
0800.225.0425	8.00	2.25	425	3.59	4.41	1,875	2.82
0800.225.0450	8.00	2.25	450	3.43	4.57	2,055	2.69
0800.225.0475	8.00	2.25	475	3.58	4.42	2,101	2.89
0800.225.0500	8.00	2.25	500	3.44	4.56	2,279	2.78
0800.225.0525	8.00	2.25	525	3.59	4.41	2,318	2.95
0800.225.0550	8.00	2.25	550	3.73	4.27	2,347	3.17
0800.225.0575	8.00	2.25	575	3.62	4.38	2,517	3.06
0800.225.0600	8.00	2.25	600	3.76	4.24	2,543	3.27
0800.225.0650	8.00	2.25	650	3.81	4.19	2,721	3.40
0800.225.0700	8.00	2.25	700	3.92	4.08	2,859	3.57
0800.225.0750	8.00	2.25	750	3.94	4.06	3,044	3.66
0800.225.0800	8.00	2.25	800	4.04	3.96	3,165	3.86
0800.225.0850	8.00	2.25	850	4.12	3.88	3,299	4.01
0800.225.0900	8.00	2.25	900	4.20	3.80	3,424	4.17
0800.225.1000	8.00	2.25	1000	4.13	3.87	3,866	4.19
9.00 (length in inches)							
0900.225.0175	9.00	2.25	175	3.10	5.90	1,032	1.90
0900.225.0200	9.00	2.25	200	3.44	5.56	1,112	2.25
0900.225.0225	9.00	2.25	225	3.45	5.55	1,248	2.68
0900.225.0250	9.00	2.25	250	3.50	5.50	1,375	2.43
0900.225.0300	9.00	2.25	300	3.64	5.36	1,608	2.66
0900.225.0350	9.00	2.25	350	3.85	5.15	1,801	2.98
0900.225.0400	9.00	2.25	400	3.76	5.24	2,094	2.98
0900.225.0450	9.00	2.25	450	4.02	4.98	2,239	3.35
0900.225.0500	9.00	2.25	500	4.02	4.98	2,492	3.42
0900.225.0550	9.00	2.25	550	4.05	4.95	2,721	3.53
0900.225.0600	9.00	2.25	600	4.39	4.61	2,764	4.04
0900.225.0700	9.00	2.25	700	4.49	4.51	3,159	4.30
0900.225.0800	9.00	2.25	800	4.60	4.40	3,519	4.61
0900.225.0900	9.00	2.25	900	4.80	4.20	3,782	5.01
0900.225.1000	9.00	2.25	1000	4.71	4.29	4,290	5.01
Tender/Linear							
0175.225.0150	2.72	2.25	150	0.97	1.75	264	0.88
0175.225.0250	3.35	2.25	250	1.60	1.75	438	1.59
0175.225.0300	4.26	2.25	300	2.51	1.75	525	2.07
0225.225.0150	3.84	2.25	150	1.59	2.25	338	2.34
0225.225.0200	3.76	2.25	200	1.51	2.25	454	1.72

COIL-OVER | 2.25" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
Helper							
HELPER225	3.00	2.25	12	0.60	2.40	31	0.30
Spacer (ID locating main to helper/tender coupling spacer)							
SPACER225							
Torsion Release Bearing							
TRB225							

COIL-OVER | 2.50" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
6.00 (length in inches)							
0600.250.0450	6.00	2.50	450	2.39	3.61	1,624	1.90
0600.250.0500	6.00	2.50	500	2.38	3.62	1,809	1.92
0600.250.0550	6.00	2.50	550	2.44	3.56	1,960	2.03
0600.250.0600	6.00	2.50	600	2.68	3.32	1,990	2.35
0600.250.0650	6.00	2.50	650	2.69	3.31	2,149	2.42
0600.250.0700	6.00	2.50	700	2.57	3.43	2,397	2.29
0600.250.0750	6.00	2.50	750	2.65	3.35	2,510	2.43
0600.250.0800	6.00	2.50	800	2.71	3.29	2,634	2.54
0600.250.0850	6.00	2.50	850	2.79	3.21	2,732	2.67
0600.250.0900	6.00	2.50	900	2.87	3.13	2,820	2.82
0600.250.0950	6.00	2.50	950	2.92	3.08	2,924	2.93
0600.250.0975	6.00	2.50	975	3.03	2.97	2,896	3.11
0600.250.1000	6.00	2.50	1000	2.92	3.08	3,076	3.00
0600.250.1050	6.00	2.50	1050	2.92	3.08	3,230	3.00
0600.250.1100	6.00	2.50	1100	3.00	3.00	3,295	3.15
0600.250.1150	6.00	2.50	1150	3.11	2.89	3,318	3.35
0600.250.1200	6.00	2.50	1200	3.03	2.97	3,562	3.24
0600.250.1250	6.00	2.50	1250	3.11	2.89	3,607	3.40
0600.250.1450	6.00	2.50	1450	3.16	2.84	4,110	3.59
7.00 (length in inches)							
0700.250.0275	7.00	2.50	275	2.54	4.46	1,226	1.95
0700.250.0300	7.00	2.50	300	2.48	4.52	1,356	1.83
0700.250.0325	7.00	2.50	325	2.54	4.46	1,449	1.92
0700.250.0350	7.00	2.50	350	2.65	4.35	1,525	2.06
0700.250.0375	7.00	2.50	375	2.71	4.29	1,609	2.17
0700.250.0400	7.00	2.50	400	2.81	4.19	1,675	2.32
0700.250.0450	7.00	2.50	450	2.81	4.19	1,884	2.36
0700.250.0500	7.00	2.50	500	2.81	4.19	2,096	2.43
0700.250.0550	7.00	2.50	550	3.07	3.93	2,161	2.79
0700.250.0600	7.00	2.50	600	3.09	3.91	2,348	2.87
0700.250.0650	7.00	2.50	650	3.15	3.85	2,504	3.00
8.00 (length in inches)							
0800.250.0150	8.00	2.50	150	2.55	5.45	817	1.63
0800.250.0175	8.00	2.50	175	2.68	5.32	931	1.90
0800.250.0200	8.00	2.50	200	2.67	5.33	1,065	1.95
0800.250.0225	8.00	2.50	225	2.71	5.29	1,191	2.03
0800.250.0250	8.00	2.50	250	2.83	5.17	1,291	2.12

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.00 (length in inches)							
0800.250.0275	8.00	2.50	275	2.89	5.11	1,406	2.21
0800.250.0300	8.00	2.50	300	2.96	5.04	1,513	2.33
0800.250.0325	8.00	2.50	325	3.05	4.95	1,609	2.46
0800.250.0350	8.00	2.50	350	3.12	4.88	1,709	2.59
0800.250.0375	8.00	2.50	375	3.23	4.77	1,787	2.76
0800.250.0400	8.00	2.50	400	3.08	4.92	1,968	2.62
0800.250.0425	8.00	2.50	425	3.17	4.83	2,053	2.76
0800.250.0450	8.00	2.50	450	3.28	4.72	2,122	2.94
0800.250.0475	8.00	2.50	475	3.40	4.60	2,184	3.12
0800.250.0500	8.00	2.50	500	3.28	4.72	2,358	3.00
0800.250.0525	8.00	2.50	525	3.42	4.58	2,402	3.22
0800.250.0550	8.00	2.50	550	3.57	4.43	2,437	3.44
0800.250.0600	8.00	2.50	600	3.59	4.41	2,646	3.53
0800.250.0650	8.00	2.50	650	3.63	4.37	2,838	3.66
0800.250.0700	8.00	2.50	700	3.65	4.35	3,043	3.75
0800.250.0750	8.00	2.50	750	3.72	4.28	3,209	3.90
0800.250.0800	8.00	2.50	800	3.79	4.21	3,368	4.06
0800.250.0825	8.00	2.50	825	3.94	4.06	3,348	4.32
0800.250.0850	8.00	2.50	850	3.86	4.14	3,520	4.23
0800.250.0900	8.00	2.50	900	3.93	4.07	3,665	4.39
0800.250.0950	8.00	2.50	950	4.02	3.98	3,776	4.61
0800.250.1000	8.00	2.50	1000	4.12	3.88	3,877	4.81
0800.250.1025	8.00	2.50	1025	4.06	3.94	4,033	4.74
0800.250.1100	8.00	2.50	1100	4.07	3.93	4,317	4.85
0800.250.1200	8.00	2.50	1200	4.30	3.70	4,437	5.34
10.00 (length in inches)							
1000.250.0100	10.00	2.50	100	3.28	6.72	671	2.11
1000.250.0150	10.00	2.50	150	3.52	6.48	972	2.51
1000.250.0162	10.00	2.50	162	3.61	6.39	1,035	2.67
1000.250.0175	10.00	2.50	175	3.32	6.68	1,169	2.51
1000.250.0200	10.00	2.50	200	3.39	6.61	1,323	2.54
1000.250.0225	10.00	2.50	225	3.39	6.61	1,487	2.62
1000.250.0250	10.00	2.50	250	3.72	6.28	1,569	3.06
1000.250.0275	10.00	2.50	275	3.77	6.23	1,715	3.17
1000.250.0300	10.00	2.50	300	3.85	6.15	1,844	3.33
1000.250.0325	10.00	2.50	325	3.94	6.06	1,971	3.49
1000.250.0350	10.00	2.50	350	4.02	5.98	2,092	3.66
1000.250.0375	10.00	2.50	375	4.11	5.89	2,208	3.83
1000.250.0400	10.00	2.50	400	4.24	5.76	2,302	4.05
1000.250.0425	10.00	2.50	425	4.36	5.64	2,399	4.26
1000.250.0450	10.00	2.50	450	4.16	5.84	2,630	4.04
1000.250.0500	10.00	2.50	500	4.43	5.57	2,786	4.52
1000.250.0525	10.00	2.50	525	4.59	5.41	2,840	4.81
1000.250.0550	10.00	2.50	550	4.43	5.57	3,061	4.63
1000.250.0575	10.00	2.50	575	4.57	5.43	3,121	4.87
1000.250.0600	10.00	2.50	600	4.74	5.26	3,158	5.18

COIL-OVER | 2.50" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
10.00 (length in inches)							
1000.250.0650	10.00	2.50	650	4.77	5.23	3,401	5.31
1000.250.0700	10.00	2.50	700	4.80	5.20	3,644	5.45
1000.250.0750	10.00	2.50	750	4.85	5.15	3,860	5.62
1000.250.0800	10.00	2.50	800	4.91	5.09	4,074	5.80
1200.250.0080	12.00	2.50	80	3.57	8.43	674	2.25
1200.250.0090	12.00	2.50	90	3.33	8.67	780	2.17
1200.250.0100	12.00	2.50	100	3.51	8.49	848	2.32
1200.250.0110	12.00	2.50	110	3.53	8.47	932	2.45
1200.250.0120	12.00	2.50	120	3.66	8.34	1,001	2.62
1200.250.0125	12.00	2.50	125	3.95	8.05	1,007	2.92
1200.250.0130	12.00	2.50	130	4.38	7.62	9,991	3.26
1200.250.0140	12.00	2.50	140	4.01	7.99	1,118	3.06
1200.250.0150	12.00	2.50	150	4.19	7.81	1,171	3.29
1200.250.0165	12.00	2.50	165	3.94	8.06	1,330	3.00
1200.250.0175	12.00	2.50	175	4.16	7.84	1,372	3.27
1200.250.0185	12.00	2.50	185	3.95	8.05	1,488	3.11
12.00 (length in inches)							
1200.250.0200	12.00	2.50	200	4.07	7.93	1,585	3.29
1200.250.0225	12.00	2.50	225	4.46	7.54	1,696	3.80
1200.250.0250	12.00	2.50	250	4.43	7.57	1,893	3.86
1200.250.0275	12.00	2.50	275	4.48	7.52	2,067	4.01
1200.250.0300	12.00	2.50	300	4.96	7.04	2,111	4.68
1200.250.0325	12.00	2.50	325	5.02	6.98	2,270	4.84
1200.250.0350	12.00	2.50	350	5.12	6.88	2,408	5.05
1200.250.0375	12.00	2.50	375	5.22	6.78	2,542	5.27
1200.250.0400	12.00	2.50	400	5.32	6.68	2,670	5.51
1200.250.0425	12.00	2.50	425	5.43	6.57	2,794	5.73
1200.250.0450	12.00	2.50	450	5.22	6.78	3,052	5.51
1200.250.0475	12.00	2.50	475	5.34	6.66	3,162	5.76
1200.250.0525	12.00	2.50	525	5.65	6.35	3,334	6.37
1200.250.0600	12.00	2.50	600	5.82	6.18	3,706	6.84
1200.250.0625	12.00	2.50	625	5.62	6.38	3,985	6.59
1200.250.0800	12.00	2.50	800	5.92	6.08	4,864	7.50
12.00 (length in inches) XT Barrel (Extreme Travel)							
1200.2530.0125	12.00	2.50	125	3.45	8.55	1,068	2.83
1200.2530.0150	12.00	2.50	150	3.63	8.37	1,255	3.15
1200.2530.0175	12.00	2.50	175	3.85	8.15	1,426	3.53
1200.2530.0200	12.00	2.50	200	3.47	8.53	1,706	3.16
1200.2530.0225	12.00	2.50	225	4.07	7.93	1,783	4.03
1200.2530.0250	12.00	2.50	250	4.07	7.93	1,982	4.12
14.00 (length in inches)							
1400.250.0080	14.00	2.50	080	3.93	10.07	806	2.56
1400.250.0090	14.00	2.50	090	4.81	9.19	827	3.40
1400.250.0095	14.00	2.50	095	4.59	9.41	894	3.24
1400.250.0100	14.00	2.50	100	4.39	9.61	961	3.09
1400.250.0110	14.00	2.50	110	5.03	8.97	987	3.77

COIL-OVER | 2.50" I.D.

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
14.00 (length in inches)							
1400.250.0120	14.00	2.50	120	4.55	9.45	1,134	3.48
1400.250.0130	14.00	2.50	130	4.84	9.16	1,190	3.73
1400.250.0140	14.00	2.50	140	4.53	9.47	1,326	3.48
1400.250.0150	14.00	2.50	150	4.72	9.28	1,391	3.73
1400.250.0165	14.00	2.50	165	4.80	9.20	1,518	3.90
1400.250.0175	14.00	2.50	175	5.04	8.96	1,568	4.21
1400.250.0185	14.00	2.50	185	4.78	9.22	1,705	3.99
1400.250.0200	14.00	2.50	200	4.92	9.08	1,817	4.21
1400.250.0225	14.00	2.50	225	5.32	8.68	1,953	4.81
1400.250.0250	14.00	2.50	250	5.32	8.68	2,170	4.92
1400.250.0275	14.00	2.50	275	5.79	8.21	2,258	5.63
1400.250.0300	14.00	2.50	300	5.81	8.19	2,458	5.78
1400.250.0325	14.00	2.50	325	5.90	8.10	2,633	6.00
1400.250.0350	14.00	2.50	350	5.96	8.04	2,812	6.20
1400.250.0400	14.00	2.50	400	6.19	7.81	3,123	6.73
1400.250.0450	14.00	2.50	450	6.48	7.52	3,385	7.34
1400.250.0500	14.00	2.50	500	6.34	7.66	3,830	7.34
14.00 (length in inches) XT Barrel (Extreme Travel)							
1400.2530.0125	14.00	2.50	125	4.20	9.80	1,225	3.67
1400.2530.0150	14.00	2.50	150	3.61	10.39	1,558	3.13
1400.2530.0175	14.00	2.50	175	3.85	10.15	1,776	3.53
1400.2530.0200	14.00	2.50	200	4.12	9.88	1,976	3.98
1400.2530.0225	14.00	2.50	225	4.44	9.56	2,151	4.52
1400.2530.0250	14.00	2.50	250	4.44	9.56	2,390	4.62
Tender/Linear							
0175.250.0150	2.64	2.50	150	0.89	1.75	264	0.90
0175.250.0200	3.05	2.50	200	1.30	1.75	355	1.65
0175.250.0250	2.79	2.50	250	1.04	1.75	446	1.28
0175.250.0300	3.77	2.50	300	2.02	1.75	525	1.92
0225.250.0150	3.90	2.50	150	1.65	2.25	338	2.09
0225.250.0200	3.55	2.50	200	1.30	2.25	450	1.65
0225.250.0250	3.94	2.50	250	1.69	2.25	563	2.18
0225.250.0300	3.94	2.50	300	1.69	2.25	675	2.23
Tender/Progressive							
0175.250.1300	3.55	2.50	600/1300	1.80	1.75	1,552	1.77
0200.250.0550	3.50	2.50	250/550	1.50	2.00	865	1.80
Helper							
HELPER250	3.00	2.50	11	0.50	2.50	28	0.30
Spacer (ID locating main to helper/tender coupling spacer)							
SPACER250							
Adapter							
ADAPTER250 (Perch Adapter 2.25" to 2.50")							
ADAPTER60-250 (Perch Adapter 60mm to 2.50")							
Isolator (Delrin Seat Plate)							
ISOLATOR250 (Delrin Seat Plate)							
Torsion Release Bearing							
TRB250							

Conventional Front

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.75 (length in inches)							
0875.575.0300	8.75	5.75	300	2.66	6.05	1,815	3.95
0875.575.0325	8.75	5.75	325	2.76	5.95	1,933	4.19
0875.575.0350	8.75	5.75	350	2.84	5.87	2,054	4.32
0875.575.0375	8.75	5.75	375	2.91	5.80	2,175	5.12
0875.575.0400	8.75	5.75	400	2.58	6.13	2,452	2.65
0875.575.0425	8.75	5.75	425	2.92	5.79	2,462	4.61
0875.575.0450	8.75	5.75	450	2.84	5.87	2,640	4.65
0875.575.0475	8.75	5.75	475	3.02	5.69	2,703	4.94
0875.575.0500	8.75	5.75	500	2.65	6.06	3,031	4.65
0875.575.0525	8.75	5.75	525	3.07	5.64	2,961	5.09
0875.575.0550	8.75	5.75	550	2.99	5.72	3,145	5.14
0875.575.0575	8.75	5.75	575	3.17	5.54	3,184	5.42
0875.575.0600	8.75	5.75	600	3.04	5.67	3,401	5.29
0875.575.0625	8.75	5.75	625	3.22	5.49	3,429	5.58
0875.575.0650	8.75	5.75	650	3.21	5.50	3,574	5.87
0875.575.0675	8.75	5.75	675	3.28	5.44	3,669	5.76
0875.575.0700	8.75	5.75	700	3.08	5.63	3,941	5.49
0875.575.0750	8.75	5.75	750	3.43	5.28	3,961	6.26
0875.575.0800	8.75	5.75	800	3.48	5.23	4,184	6.70
0875.575.0825	8.75	5.75	825	3.48	5.23	4,315	6.70
0875.575.0850	8.75	5.75	850	3.58	5.13	4,359	7.08
0875.575.0875	8.75	5.75	875	3.26	5.45	4,769	6.81
0875.575.0900	8.75	5.75	900	3.69	5.03	4,523	7.70
0875.575.0925	8.75	5.75	925	3.74	4.97	4,601	7.65
0875.575.0950	8.75	5.75	950	3.74	4.97	4,726	7.65
0875.575.0975	8.75	5.75	975	3.74	4.97	4,849	7.65
0875.575.1000	8.75	5.75	1000	3.79	4.92	4,923	7.98
0875.575.1025	8.75	5.75	1025	3.79	4.92	5,046	7.98
0875.575.1150	8.75	5.75	1150	4.49	4.22	4,855	9.92
0875.575.1200	8.75	5.75	1200	3.97	4.75	5,694	8.84
0875.575.1225	8.75	5.75	1225	3.97	4.75	5,812	8.84
0875.575.1325	8.75	5.75	1325	4.07	4.64	6,153	9.26
0875.575.1400	8.75	5.75	1400	3.85	4.86	6,807	8.56
0875.575.1500	8.75	5.75	1500	4.22	4.49	6,741	9.90
0875.575.1525	8.75	5.75	1525	4.22	4.49	6,853	9.90
0875.575.1550	8.75	5.75	1550	3.84	4.87	7,541	9.83
0875.575.1600	8.75	5.75	1600	4.04	4.67	7,466	9.37
0875.575.1700	8.75	5.75	1700	4.29	4.42	7,518	10.41
0875.575.1750	8.75	5.75	1750	4.14	4.57	7,995	9.77
0875.575.1800	8.75	5.75	1800	4.24	4.47	8,048	10.19
0875.575.1850	8.75	5.75	1850	3.64	5.07	9,381	9.53
0875.575.1900	8.75	5.75	1900	4.24	4.47	8,496	10.19
0875.575.2000	8.75	5.75	2000	4.29	4.42	8,845	10.41
0875.575.2100	8.75	5.75	2100	4.34	4.37	9,185	10.61

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
9.50 (length in inches) - 5.00" O.D.							
0950.500.0450	9.50	5.00	450	3.54	5.96	2,682	5.42
0950.500.0500	9.50	5.00	500	3.78	5.72	2,861	6.00
0950.500.0550	9.50	5.00	550	3.37	6.13	3,373	5.25
0950.500.0600	9.50	5.00	600	3.60	5.90	3,541	5.80
0950.500.0650	9.50	5.00	650	3.66	5.84	3,797	5.98
0950.500.0700	9.50	5.00	700	3.93	5.57	3,895	6.64
0950.500.0750	9.50	5.00	750	3.99	5.51	4,128	6.84
0950.500.0775	9.50	5.00	775	4.02	5.48	4,256	6.90
0950.500.0800	9.50	5.00	800	4.06	5.44	4,355	7.03
0950.500.0850	9.50	5.00	850	4.35	5.15	4,377	7.70
0950.500.0900	9.50	5.00	900	4.21	5.29	4,760	7.50
0950.500.0950	9.50	5.00	950	4.55	4.95	4,704	8.25
0950.500.1000	9.50	5.00	1000	4.65	4.85	4,852	8.56
0950.500.1050	9.50	5.00	1050	4.54	4.96	5,205	8.33
0950.500.1100	9.50	5.00	1100	4.61	4.89	5,382	8.56
0950.500.1200	9.50	5.00	1200	5.05	4.45	5,340	10.01
0950.500.1250	9.50	5.00	1250	4.90	4.60	5,750	9.68
0950.500.1300	9.50	5.00	1300	5.34	4.16	5,413	10.85
0950.500.1400	9.50	5.00	1400	5.03	4.47	6,259	10.14
0950.500.1500	9.50	5.00	1500	5.35	4.15	6,218	11.07
0950.500.1600	9.50	5.00	1600	5.57	3.93	6,289	11.97
9.50 (length in inches) - 5.50" O.D.							
0950.550.0350	9.50	5.50	350	3.08	6.42	2,247	5.40
0950.550.0400	9.50	5.50	400	3.37	6.13	2,452	5.45
0950.550.0450	9.50	5.50	450	3.10	6.40	2,880	5.31
0950.550.0500	9.50	5.50	500	3.26	6.24	3,117	5.78
0950.550.0550	9.50	5.50	550	3.53	5.97	3,280	6.42
0950.550.0575	9.50	5.50	575	3.59	5.91	3,397	6.59
0950.550.0600	9.50	5.50	600	3.71	5.79	3,473	6.92
0950.550.0625	9.50	5.50	625	3.74	5.76	3,605	7.05
0950.550.0650	9.50	5.50	650	3.77	5.73	3,726	7.12
0950.550.0675	9.50	5.50	675	3.85	5.65	3,825	7.35
0950.550.0700	9.50	5.50	700	3.88	5.62	3,932	7.54
0950.550.0750	9.50	5.50	750	4.07	5.43	4,068	8.05
0950.550.0800	9.50	5.50	800	4.13	5.37	4,292	8.27
0950.550.0850	9.50	5.50	850	4.19	5.31	4,510	8.49
0950.550.0875	9.50	5.50	875	4.05	5.45	4,765	8.16
0950.550.0900	9.50	5.50	900	4.37	5.13	4,616	9.55
0950.550.0950	9.50	5.50	950	4.52	4.98	4,734	9.53
0950.550.1000	9.50	5.50	1000	4.53	4.97	4,974	9.90
0950.550.1025	9.50	5.50	1025	5.22	4.28	4,386	11.84
0950.550.1050	9.50	5.50	1050	4.84	4.66	4,896	10.87
0950.550.1100	9.50	5.50	1100	4.15	5.35	5,889	9.94
0950.550.1150	9.50	5.50	1150	4.57	4.93	5,671	10.21
0950.550.1200	9.50	5.50	1200	4.92	4.58	5,494	11.29
0950.550.1250	9.50	5.50	1250	4.76	4.74	5,920	10.89

Conventional Front

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
9.50 (length in inches) - **5.50" O.D.**							
0950.550.1300	9.50	5.50	1300	5.17	4.33	5,634	12.13
0950.550.1350	9.50	5.50	1350	5.00	4.50	6,069	11.71
0950.550.1400	9.50	5.50	1400	4.88	4.62	6,463	11.40
0950.550.1450	9.50	5.50	1450	5.29	4.21	6,102	12.68
0950.550.1500	9.50	5.50	1500	5.13	4.37	6,560	12.24

LOADED HEIGHT CONVENTIONAL REAR

- Faster Rear Spring Rate Changes with Minimal Ride Height Adjustment
- Less Time in the Garage–More Time on the Track

Eibach Loaded Height (LH1) rear springs all have a loaded height of 10.2 inches under a 750-pound load, regardless of spring rate. For example, our LH1 125 lbs spring has a free length of 15.80" and our 700 lbs spring has a free length of 11.2". When 750 lbs is applied to each spring, they have the same loaded height of 10.2". Available from 125 lbs to 700 lbs.

Conventional Rear

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
Loaded Height Rear (NASCAR Specs)							
LH1.500.0125	15.79	5.00	125	4.09	11.69	1,462	5.84
LH1.500.0150	14.88	5.00	150	3.62	11.26	1,689	5.05
LH1.500.0175	14.21	5.00	175	3.82	10.39	1,819	5.51
LH1.500.0200	13.70	5.00	200	3.78	9.92	1,984	5.53
LH1.500.0225	13.31	5.00	225	3.74	9.57	2,153	5.58
LH1.500.0300	12.52	5.00	300	4.41	8.11	2,433	7.14
LH1.500.0325	12.36	5.00	325	3.86	8.50	2,764	6.08

Conventional Rear

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
Loaded Height Rear (NASCAR Specs)							
LH1.500.0350	12.20	5.00	350	3.90	8.31	2,907	6.28
LH1.500.0375	12.05	5.00	375	4.02	8.03	3,012	6.55
LH1.500.0400	11.93	5.00	400	4.09	7.83	3,134	6.74
LH1.500.0425	11.85	5.00	425	4.02	7.83	3,330	6.59
LH1.500.0430	12.01	5.00	430	4.17	7.83	3,369	7.01
LH1.500.0450	11.77	5.00	450	4.06	7.72	3,472	6.79
LH1.500.0475	11.65	5.00	475	4.17	7.48	3,553	7.12
LH1.500.0500	11.61	5.00	500	4.21	7.40	3,701	7.05
LH1.500.0525	11.54	5.00	525	4.45	7.09	3,720	7.80
LH1.500.0550	11.46	5.00	550	4.29	7.17	3,941	7.49
LH1.500.0575	11.42	5.00	575	4.45	6.97	4,007	7.91
LH1.500.0600	11.38	5.00	600	4.57	6.81	4,087	7.58
LH1.500.0650	11.26	5.00	650	4.61	6.65	4,325	8.42
LH1.500.0700	11.18	5.00	700	4.96	6.22	4,354	7.89
LH1.500.0750	11.14	5.00	750	4.72	6.42	4,813	8.82
LH1.500.0800	11.18	5.00	800	5.75	5.43	4,346	11.39
LH1.500.0850	11.14	5.00	850	5.16	5.98	5,087	10.07
LH1.500.0900	11.10	5.00	900	5.59	5.51	4,961	11.22
LH1.500.0925	11.10	5.00	925	5.46	5.64	5,163	10.89
LH1.500.0950	11.10	5.00	950	5.31	5.79	5,498	10.58
LH1.500.0975	11.10	5.00	975	5.24	5.87	5,719	10.40
LH1.500.1000	11.10	5.00	1000	5.55	5.55	5,551	11.77
LH1.500.1100	11.10	5.00	1100	5.75	5.35	5,890	12.50
LH1.500.1200	11.10	5.00	1200	5.71	5.39	6,472	12.52
LH1.500.1400	11.10	5.00	1400	5.98	5.12	7,165	13.51
11.00 (length in inches) - 5.00" O.D.							
1100.500.0125	11.00	5.00	125	2.41	8.59	1,073	2.93
1100.500.0150	11.00	5.00	150	2.55	8.45	1,268	3.22
1100.500.0175	11.00	5.00	175	2.73	8.27	1,447	3.59
1100.500.0200	11.00	5.00	200	2.89	8.11	1,621	3.97
1100.500.0225	11.00	5.00	225	3.16	7.84	1,763	4.52
1100.500.0250	11.00	5.00	250	3.17	7.83	1,957	4.61
1100.500.0275	11.00	5.00	275	3.18	7.82	2,150	4.67
1100.500.0300	11.00	5.00	300	3.80	7.20	2,159	5.93
1100.500.0325	11.00	5.00	325	3.33	7.67	2,493	5.07
1100.500.0350	11.00	5.00	350	3.65	7.35	2,574	5.76
1100.500.0375	11.00	5.00	375	4.01	6.99	2,622	6.55
1100.500.0400	11.00	5.00	400	3.83	7.17	2,866	6.22
1100.500.0425	11.00	5.00	425	3.90	7.10	3,018	6.44
1100.500.0450	11.00	5.00	450	3.78	7.22	3,249	6.22
1100.500.0500	11.00	5.00	500	4.03	6.97	3,486	6.84
1100.500.0550	11.00	5.00	550	4.28	6.72	3,694	7.50
1100.500.0600	11.00	5.00	600	4.55	6.45	3,871	8.20
1100.500.0650	11.00	5.00	650	4.69	6.31	4,104	9.06
1100.500.0700	11.00	5.00	700	4.69	6.31	4,420	8.67

Conventional Rear

Part Number	Length inch	Outside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
13.00 (length in inches) - 5.00" O.D.							
1300.500.0125	13.00	5.00	125	2.90	10.10	1,262	3.70
1300.500.0150	13.00	5.00	150	3.05	9.95	1,492	4.06
1300.500.0175	13.00	5.00	175	3.49	9.51	1,663	4.96
1300.500.0180	13.00	5.00	180	3.23	9.77	1,758	4.48
1300.500.0200	13.00	5.00	200	3.46	9.54	1,907	4.98
1300.500.0225	13.00	5.00	225	3.70	9.30	2,092	5.53
1300.500.0250	13.00	5.00	250	4.01	8.99	2,248	6.20
1300.500.0275	13.00	5.00	275	4.38	8.62	2,371	7.01
1300.500.0300	13.00	5.00	300	4.10	8.90	2,671	6.53
1300.500.0325	13.00	5.00	325	4.17	8.83	2,870	6.75
1300.500.0350	13.00	5.00	350	4.24	8.76	3,066	6.97
1300.500.0375	13.00	5.00	375	4.31	8.69	3,258	7.19
1300.500.0400	13.00	5.00	400	4.41	8.59	3,434	7.47
1300.500.0450	13.00	5.00	450	4.65	8.35	3,757	8.09
1300.500.0500	13.00	5.00	500	4.93	8.07	4,036	8.84
1300.500.0550	13.00	5.00	550	5.28	7.72	4,248	9.72
1300.500.0600	13.00	5.00	600	5.57	7.43	4,458	10.56
1300.500.0700	13.00	5.00	700	5.59	7.41	5,186	10.83
15.00 (length in inches) - 5.00" O.D.							
1500.500.0125	15.00	5.00	125	4.10	10.90	1,363	5.82
1500.500.0150	15.00	5.00	150	3.86	11.14	1,670	5.58
1500.500.0165	15.00	5.00	165	5.05	9.95	1,642	7.89
1500.500.0175	15.00	5.00	175	4.84	10.16	1,778	7.54
1500.500.0200	15.00	5.00	200	4.36	10.64	2,128	6.75
1500.500.0225	15.00	5.00	225	5.05	9.95	2,239	8.25
1500.500.0250	15.00	5.00	250	4.63	10.37	2,593	7.52
1500.500.0275	15.00	5.00	275	4.65	10.35	2,846	7.67
1500.500.0300	15.00	5.00	300	5.02	9.98	2,994	8.53
16.00 (length in inches) - 5.00" O.D.							
1600.500.0100	16.00	5.00	100	3.34	12.66	1,265	4.37
1600.500.0125	16.00	5.00	125	3.80	12.20	1,525	5.25
1600.500.0150	16.00	5.00	150	3.94	12.06	1,810	5.62
1600.500.0175	16.00	5.00	175	4.17	11.83	2,070	6.20
1600.500.0200	16.00	5.00	200	4.79	11.21	2,241	7.52
1600.500.0225	16.00	5.00	225	4.74	11.26	2,533	7.54
1600.500.0250	16.00	5.00	250	5.11	10.89	2,723	8.40
Torque Link Spring							
0675.500.1000 Progressive	6.75	5.00	500/1000	3.66	3.09	2,683	6.15
0675.500.1500 Progressive	6.75	5.00	750/1500	3.30	3.45	3,164	6.61
0700.500.0600	7.00	5.00	600	2.64	4.36	2,618	3.92
0700.500.0800	7.00	5.00	800	2.76	4.24	3,390	4.43

COIL-OVER | 2.50" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.00 (length in inches) (Off-Road Silver)							
0800.250.0150S	8.00	2.50	150	2.55	5.45	817	1.63
0800.250.0200S	8.00	2.50	200	2.67	5.33	1,065	1.95
0800.250.0250S	8.00	2.50	250	2.83	5.17	1,291	2.12
0800.250.0300S	8.00	2.50	300	2.96	5.04	1,513	2.33
0800.250.0350S	8.00	2.50	350	3.12	4.88	1,709	2.59
0800.250.0400S	8.00	2.50	400	3.08	4.92	1,968	2.62
0800.250.0450S	8.00	2.50	450	3.28	4.72	2,122	2.94
0800.250.0500S	8.00	2.50	500	3.28	4.72	2,358	3.00
0800.250.0550S	8.00	2.50	550	3.57	4.43	2,437	3.44
0800.250.0600S	8.00	2.50	600	3.59	4.41	2,646	3.53
10.00 (length in inches) (Off-Road Silver)							
1000.250.0100S	10.00	2.50	100	3.28	6.72	671	2.11
1000.250.0150S	10.00	2.50	150	3.52	6.48	972	2.51
1000.250.0175S	10.00	2.50	175	3.32	6.68	1,169	2.51
1000.250.0200S	10.00	2.50	200	3.39	6.61	1,323	2.54
1000.250.0225S	10.00	2.50	225	3.39	6.61	1,487	2.62
1000.250.0250S	10.00	2.50	250	3.72	6.28	1,569	3.06
1000.250.0275S	10.00	2.50	275	3.77	6.23	1,715	3.17
1000.250.0300S	10.00	2.50	300	3.85	6.15	1,844	3.33
1000.250.0325S	10.00	2.50	325	3.94	6.06	1,971	3.49
1000.250.0350S	10.00	2.50	350	4.02	5.98	2,092	3.66
1000.250.0375S	10.00	2.50	375	4.11	5.89	2,208	3.83
1000.250.0400S	10.00	2.50	400	4.24	5.76	2,302	4.05
1000.250.0425S	10.00	2.50	425	4.36	5.64	2,399	4.26
1000.250.0450S	10.00	2.50	450	4.16	5.84	2,630	4.04
1000.250.0500S	10.00	2.50	500	4.43	5.57	2,786	4.52
1000.250.0550S	10.00	2.50	550	4.43	5.57	3,061	4.63
1000.250.0600S	10.00	2.50	600	4.74	5.26	3,158	5.18
1000.250.0650S	10.00	2.50	650	4.77	5.23	3,401	5.31
1000.250.0700S	10.00	2.50	700	4.80	5.20	3,644	5.45
1000.250.0750S	10.00	2.50	750	4.85	5.15	3,860	5.62
1000.250.0800S	10.00	2.50	800	4.91	5.09	4,074	5.80
12.00 (length in inches) (Off-Road Silver)							
1200.250.0100S	12.00	2.50	100	3.51	8.49	848	2.32
1200.250.0125S	12.00	2.50	125	3.95	8.05	1,007	2.92
1200.250.0150S	12.00	2.50	150	4.19	7.81	1,171	3.29
1200.250.0175S	12.00	2.50	175	4.16	7.84	1,372	3.27
1200.250.0200S	12.00	2.50	200	4.07	7.93	1,585	3.29
1200.250.0225S	12.00	2.50	225	4.46	7.54	1,696	3.80
1200.250.0250S	12.00	2.50	250	4.43	7.57	1,893	3.86
1200.250.0275S	12.00	2.50	275	4.48	7.52	2,067	4.01
1200.250.0300S	12.00	2.50	300	4.96	7.04	2,111	4.68
1200.250.0325S	12.00	2.50	325	5.02	6.98	2,270	4.84
1200.250.0350S	12.00	2.50	350	5.12	6.88	2,408	5.05
1200.250.0375S	12.00	2.50	375	5.22	6.78	2,542	5.27
1200.250.0400S	12.00	2.50	400	5.32	6.68	2,670	5.51

COIL-OVER | 2.50" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
12.00 (length in inches) (Off-Road Silver)							
1200.250.0425S	12.00	2.50	425	5.43	6.57	2,794	5.73
1200.250.0450S	12.00	2.50	450	5.22	6.78	3,052	5.51
1200.250.0475S	12.00	2.50	475	5.34	6.66	3,162	5.76
1200.250.0500S	12.00	2.50	500	5.49	6.51	3,252	6.06
1200.250.0525S	12.00	2.50	525	5.65	6.35	3,334	6.37
1200.250.0550S	12.00	2.50	550	5.83	6.17	3,390	6.73
1200.250.0600S	12.00	2.50	600	5.82	6.18	3,706	6.84
1200.250.0650S	12.00	2.50	650	5.81	6.19	4,025	6.95
1200.250.0700S	12.00	2.50	700	5.85	6.15	4,307	7.12
1200.250.0750S	12.00	2.50	750	5.88	6.12	4,586	7.32
1200.250.0800S	12.00	2.50	800	5.92	6.08	4,864	7.50
1200.250.0900S	12.00	2.50	900	6.40	5.60	5,041	8.60
1200.250.1000S	12.00	2.50	1000	6.59	5.41	5,405	9.19
14.00 (length in inches) (Off-Road Silver)							
1400.250.0100S	14.00	2.50	100	4.39	9.61	961	3.09
1400.250.0125S	14.00	2.50	125	5.00	9.00	1,125	3.86
1400.250.0150S	14.00	2.50	150	4.72	9.28	1,391	3.73
1400.250.0175S	14.00	2.50	175	5.04	8.96	1,568	4.21
1400.250.0185S	14.00	2.50	185	4.78	9.22	1,705	3.99
1400.250.0200S	14.00	2.50	200	4.92	9.08	1,817	4.21
1400.250.0225S	14.00	2.50	225	5.32	8.68	1,953	4.81
1400.250.0250S	14.00	2.50	250	5.32	8.68	2,170	4.92
1400.250.0275S	14.00	2.50	275	5.79	8.21	2,258	5.63
1400.250.0300S	14.00	2.50	300	5.81	8.19	2,458	5.78
1400.250.0350S	14.00	2.50	350	5.96	8.04	2,812	6.20
1400.250.0400S	14.00	2.50	400	6.19	7.81	3,123	6.73
1400.250.0450S	14.00	2.50	450	6.48	7.52	3,385	7.34
1400.250.0500S	14.00	2.50	500	6.34	7.66	3,830	7.34
1400.250.0550S	14.00	2.50	550	6.68	7.32	4,026	8.05
1400.250.0600S	14.00	2.50	600	6.64	7.36	4,413	8.16
1400.250.0650S	14.00	2.50	650	7.02	6.98	4,538	8.97
16.00 (length in inches) (Off-Road Silver)							
1600.250.0200S	16.00	2.50	200	5.89	10.11	2,023	5.34
1600.250.0250S	16.00	2.50	250	6.27	9.73	2,432	6.11
1600.250.0300S	16.00	2.50	300	6.81	9.19	2,757	7.12
1600.250.0350S	16.00	2.50	350	6.94	9.06	3,173	7.59
1600.250.0400S	16.00	2.50	400	7.17	8.83	3,533	8.18
1600.250.0450S	16.00	2.50	450	7.42	8.58	3,861	8.82
1600.250.0500S	16.00	2.50	500	7.77	8.23	4,117	9.61
1600.250.0550S	16.00	2.50	550	8.09	7.91	4,353	10.41
1600.250.0600S	16.00	2.50	600	8.06	7.94	4,763	10.58
1600.250.0650S	16.00	2.50	650	8.00	8.00	5,200	10.67
1600.250.0700S	16.00	2.50	700	8.44	7.56	5,289	11.71
1600.250.0750S	16.00	2.50	750	8.44	7.56	5,669	11.91
Spacer (ID locating main to helper/tender coupling spacer)							
SPACER250							

COIL-OVER | 2.50" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
Isolator							
ISOLATOR250 (Delrin Seat Plate)							
Torsion Release Bearing							
TRB250							

COIL-OVER | 3.00" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
8.00 (length in inches) (Off-Road Silver)							
0800.300.0100S	8.00	3.00	0100	2.01	5.99	599	1.69
0800.300.0150S	8.00	3.00	0150	2.43	5.57	835	1.98
10.00 (length in inches) (Off-Road Silver)							
1000.300.0100S	10.00	3.00	100	2.83	7.17	716	2.55
1000.300.0150S	10.00	3.00	150	2.91	7.09	1,063	2.54
1000.300.0200S	10.00	3.00	200	3.09	6.91	1,382	2.93
1000.300.0250S	10.00	3.00	250	3.35	6.65	1,662	3.43
1000.300.0300S	10.00	3.00	300	3.31	6.69	2,008	3.57
12.00 (length in inches) (Off-Road Silver)							
1200.300.0125S	12.00	3.00	125	3.37	8.63	1,079	2.98
1200.300.0150S	12.00	3.00	150	3.21	8.79	1,319	2.89
1200.300.0175S	12.00	3.00	175	3.72	8.28	1,448	3.66
1200.300.0200S	12.00	3.00	200	3.68	8.32	1,665	3.70
1200.300.0225S	12.00	3.00	225	3.93	8.07	1,815	4.17
1200.300.0250S	12.00	3.00	250	3.94	8.06	2,014	4.28
1200.300.0275S	12.00	3.00	275	4.28	7.72	2,122	4.87
1200.300.0300S	12.00	3.00	300	4.32	7.68	2,305	5.03
1200.300.0325S	12.00	3.00	325	4.35	7.65	2,486	5.16
1200.300.0350S	12.00	3.00	350	4.41	7.59	2,657	5.36
1200.300.0375S	12.00	3.00	375	4.49	7.51	2,815	5.58
1200.300.0400S	12.00	3.00	400	4.57	7.43	2,970	5.80
1200.300.0450S	12.00	3.00	450	4.77	7.23	3,254	6.28
1200.300.0500S	12.00	3.00	500	4.99	7.01	3,502	6.86
1200.300.0600S	12.00	3.00	600	5.22	6.78	4,069	7.61
14.00 (length in inches) (Off-Road Silver)							
1400.300.0150S	14.00	3.00	150	4.24	9.76	1,463	4.21
1400.300.0175S	14.00	3.00	175	4.44	9.56	1,673	4.63
1400.300.0200S	14.00	3.00	200	4.72	9.28	1,855	5.18
1400.300.0225S	14.00	3.00	225	4.65	9.35	2,103	5.20
1400.300.0250S	14.00	3.00	250	4.99	9.01	2,251	5.87
1400.300.0275S	14.00	3.00	275	4.96	9.04	2,484	5.95
1400.300.0300S	14.00	3.00	300	5.39	8.61	2,581	6.77
1400.300.0350S	14.00	3.00	350	5.46	8.54	2,989	7.12
1400.300.0400S	14.00	3.00	400	5.59	8.41	3,362	7.61
1400.300.0450S	14.00	3.00	450	5.82	8.18	3,682	8.22
1400.300.0500S	14.00	3.00	500	6.04	7.96	3,979	8.89
1400.300.0550S	14.00	3.00	550	6.36	7.64	4,200	9.72

COIL-OVER | 3.00" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
14.00 (length in inches) (Off-Road Silver)							
1400.300.0600S	14.00	3.00	600	6.27	7.73	4,637	9.72
1400.300.0650S	14.00	3.00	650	6.59	7.41	4,813	10.63
15.00 (length in inches) (Off-Road Silver)							
1500.300.1300	15.00	3.00	1300	9.31	5.69	7,396	20.93
16.00 (length in inches) (Off-Road Silver)							
1600.300.0250S	16.00	3.00	250	5.82	10.18	2,546	7.19
1600.300.0300S	16.00	3.00	300	6.23	9.77	2,931	8.20
1600.300.0350S	16.00	3.00	350	6.45	9.55	3,342	8.75
1600.300.0400S	16.00	3.00	400	6.61	9.39	3,754	9.33
1600.300.0450S	16.00	3.00	450	6.80	9.20	4,138	9.97
1600.300.0500S	16.00	3.00	500	7.52	8.48	4,241	11.66
1600.300.0550S	16.00	3.00	550	7.58	8.42	4,629	12.30
1600.300.0600S	16.00	3.00	600	7.70	8.30	4,978	12.59
1600.300.0700S	16.00	3.00	700	8.04	7.96	5,575	13.83
1600.300.0800S	16.00	3.00	800	8.16	7.84	6,274	14.88
18.00 (length in inches) (Off-Road Silver)							
1800.300.0200S	18.00	3.00	200	6.02	11.98	2,395	7.14
1800.300.0300S	18.00	3.00	300	7.19	10.81	3,242	9.92
1800.300.0400S	18.00	3.00	400	7.75	10.25	4,100	11.75
1800.300.0450S	18.00	3.00	450	8.19	9.81	4,415	12.77
1800.300.0500S	18.00	3.00	500	8.44	9.56	4,780	13.63
1800.300.0550S	18.00	3.00	550	8.49	9.51	5,231	14.33
1800.300.0600S	18.00	3.00	600	8.84	9.16	5,496	15.44
1800.300.0650S	18.00	3.00	650	8.96	9.04	5,873	15.77
1800.300.0700S	18.00	3.00	700	9.10	8.90	6,227	16.69
1800.300.0750S	18.00	3.00	750	9.50	8.50	6,375	18.26
1800.300.0800S	18.00	3.00	800	9.75	8.25	6,600	19.69
Helper							
HELPER300	4.85	3.00	6	0.49	4.36	27	0.35
Spacer (ID locating main to helper/tender coupling spacer)							
SPACER300							
Torsion Release Bearing							
TRB300							

COIL-OVER | 3.63" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
12.00 (length in inches) (Off-Road Silver)							
1200.363.0200S	12.00	3.63	200	3.38	8.62	1,725	4.39
1200.363.0250S	12.00	3.63	250	3.56	8.44	2,111	4.94
1200.363.0300S	12.00	3.63	300	3.84	8.16	2,447	5.69
1200.363.0400S	12.00	3.63	400	4.28	7.72	3,087	7.01
1200.363.0500S	12.00	3.63	500	4.57	7.43	3,716	8.05

COIL-OVER | 3.63" I.D. (Off-Road Silver)

Part Number	Length inch	Inside Diameter inch	Rate lbs/inch	Block Height inch	Travel inch	Load at Block Height lbs	Weight lbs
14.00 (length in inches) (Off-Road Silver)							
1400.363.0300S	14.00	3.63	300	4.71	9.29	2,787	7.50
1400.363.0350S	14.00	3.63	350	5.04	8.96	3,135	8.51
1400.363.0400S	14.00	3.63	400	5.15	8.85	3,541	9.02
1400.363.0450S	14.00	3.63	450	5.28	8.72	3,925	9.57
18.00 (length in inches) (Off-Road Silver)							
1800.363.0700S	18.00	3.63	700	8.72	9.28	6,499	21.70
1800.363.0750S	18.00	3.63	750	9.01	8.99	6,741	23.09
1800.363.0800S	18.00	3.63	800	8.95	9.05	7,239	23.24
20.00 (length in inches) (Off-Road Silver)							
2000.363.0300S	20.00	3.63	300	7.36	12.64	3,792	13.63
2000.363.0400S	20.00	3.63	400	8.21	11.79	4,716	16.85
2000.363.0500S	20.00	3.63	500	9.06	10.94	5,471	20.99
2000.363.0600S	20.00	3.63	600	9.49	10.51	6,307	23.33
2000.363.0650S	20.00	3.63	650	9.76	10.24	6,654	24.70
2000.363.0675S	20.00	3.63	675	9.88	10.12	6,831	25.36
2000.363.0700S	20.00	3.63	700	10.04	9.96	6,973	26.13
2000.363.0750S	20.00	3.63	750	10.40	9.60	7,197	27.85
22.00 (length in inches) (Off-Road Silver)							
2200.363.0300S	22.00	3.63	300	8.31	13.69	4,107	16.01
2200.363.0400S	22.00	3.63	400	9.16	12.84	5,135	19.49
2200.363.0500S	22.00	3.63	500	10.07	11.93	5,964	24.08
2200.363.0600S	22.00	3.63	600	11.00	11.00	6,601	28.29
2200.363.0700S	22.00	3.63	700	11.09	10.91	7,638	29.72
2200.363.0800S	22.00	3.63	800	11.82	10.18	8,136	33.45
24.00 (length in inches) (Off-Road Silver)							
2400.363.0300S	24.00	3.63	300	9.37	14.63	4,388	18.74
2400.363.0350S	24.00	3.63	350	9.78	14.22	4,977	20.55
2400.363.0400S	24.00	3.63	400	10.47	13.53	5,411	23.97
2400.363.0450S	24.00	3.63	450	11.57	12.43	5,591	28.16
2400.363.0500S	24.00	3.63	500	11.16	12.84	6,419	27.54
2400.363.0550S	24.00	3.63	550	11.91	12.09	6,652	30.67
2400.363.0600S	24.00	3.63	600	12.10	11.90	7,137	32.06
2400.363.0650S	24.00	3.63	650	12.65	11.35	7,380	34.13
2400.363.0700S	24.00	3.63	700	12.58	11.42	7,995	35.17
33.00 (length in inches) (Off-Road Silver)							
3300.363.0115S	33.00	3.63	115	13.29	19.71	2,267	23.02
3300.363.0130S	33.00	3.63	130	13.73	19.27	2,504	24.70
Helper							
HELPER363	6.00	3.63	45	1.30	4.70	253	1.90
Spacer (ID Locating main to helper/tender coupling spacer)							
SPACER363							

COIL-OVER | 60mm I.D.

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
80 (length in mm)							
080-060-0100	80	60	100	31	49	4,900	0.38
080-060-0120	80	60	120	33	47	5,620	0.43
080-060-0140	80	60	140	35	45	6,300	0.47
080-060-0160	80	60	160	35	45	7,200	0.49
080-060-0180	80	60	180	37	43	7,740	0.55
080-060-0200	80	60	200	38	42	8,400	0.58
080-060-0220	80	60	220	39	41	9,020	0.60
080-060-0240	80	60	240	39	41	9,840	0.63
080-060-0260	80	60	260	40	40	10,400	0.66
080-060-0280	80	60	280	41	39	10,920	0.69
080-060-0300	80	60	300	42	38	11,400	0.72
100 (length in mm)							
100-060-0040	100	60	40	14	86	3,440	0.36
100-060-0070	100	60	70	36	64	4,480	0.42
100-060-0080	100	60	80	36	64	5,120	0.44
100-060-0090	100	60	90	37	63	5,670	0.46
100-060-0100	100	60	100	40	60	6,000	0.53
100-060-0110	100	60	110	41	59	6,490	0.56
100-060-0120	100	60	120	42	58	6,960	0.59
100-060-0140	100	60	140	41	59	8,260	0.60
100-060-0160	100	60	160	43	57	9,120	0.66
100-060-0180	100	60	180	43	57	10,260	0.67
100-060-0200	100	60	200	46	54	10,800	0.76
100-060-0220	100	60	220	46	54	11,880	0.77
100-060-0240	100	60	240	50	50	12,000	0.88
100-060-0260	100	60	260	51	49	12,740	0.91
100-060-0280	100	60	280	51	49	13,720	0.94
100-060-0300	100	60	300	51	49	14,700	0.97
100-060-0320	100	60	320	52	48	15,360	1.00
100-060-0340	100	60	340	53	47	15,980	1.00
100-060-0360	100	60	360	56	44	15,840	1.12
100-060-0380	100	60	380	54	46	17,480	1.09
100-060-0400	100	60	400	55	45	18,000	1.13
100-060-0450	100	60	450	57	43	19,350	1.22
100-060-0500	100	60	500	59	41	20,500	1.31
100-060-0550	100	60	550	62	38	20,900	1.42
100-060-0600	100	60	600	61	39	23,400	1.43
100-060-0650	100	60	650	64	36	23,400	1.55
100-060-0700	100	60	700	64	36	25,200	1.58
100-060-0750	100	60	750	64	36	27,000	1.61
100-060-0800	100	60	800	65	35	28,000	1.66
120 (length in mm)							
120-060-0050	120	60	50	37	83	4,150	0.41
120-060-0060	120	60	60	40	80	4,800	0.47
120-060-0070	120	60	70	43	77	5,390	0.54
120-060-0080	120	60	80	42	78	6,240	0.54

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
120 (length in mm)							
120-060-0090	120	60	90	43	77	6,930	0.58
120-060-0100	120	60	100	44	76	7,600	0.61
120-060-0110	120	60	110	48	72	7,920	0.70
120-060-0120	120	60	120	49	71	8,520	0.73
120-060-0140	120	60	140	51	69	9,660	0.80
120-060-0160	120	60	160	53	67	10,720	0.87
120-060-0180	120	60	180	53	67	12,060	0.89
120-060-0200	120	60	200	56	64	12,800	1.00
120-060-0220	120	60	220	56	64	14,080	1.01
120-060-0240	120	60	240	58	62	14,880	1.07
120-060-0260	120	60	260	58	62	16,120	1.10
120-060-0280	120	60	280	60	60	16,800	1.15
120-060-0300	120	60	300	61	59	17,700	1.20
120-060-0320	120	60	320	64	56	17,920	1.32
120-060-0340	120	60	340	65	55	18,700	1.36
120-060-0360	120	60	360	66	54	19,440	1.42
140 (length in mm)							
140-060-0050	140	60	50	45	95	4,750	0.54
140-060-0060	140	60	60	48	92	5,520	0.60
140-060-0070	140	60	70	47	93	6,510	0.61
140-060-0080	140	60	80	50	90	7,200	0.69
140-060-0090	140	60	90	50	90	8,100	0.72
140-060-0100	140	60	100	56	84	8,400	0.84
140-060-0110	140	60	110	56	84	9,240	0.87
140-060-0120	140	60	120	56	84	10,080	0.89
140-060-0130	140	60	130	57	83	10,790	0.92
140-060-0140	140	60	140	59	81	11,340	0.97
140-060-0150	140	60	150	60	80	12,000	1.02
140-060-0160	140	60	160	63	77	12,320	1.09
140-060-0170	140	60	170	64	76	12,920	1.13
140-060-0180	140	60	180	66	74	13,320	1.21
140-060-0190	140	60	190	64	76	14,440	1.16
140-060-0200	140	60	200	65	75	15,000	1.21
140-060-0220	140	60	220	65	75	16,500	1.23
140-060-0240	140	60	240	70	70	16,800	1.39
140-060-0260	140	60	260	71	69	17,940	1.45
140-060-0280	140	60	280	75	65	18,200	1.59
140-060-0300	140	60	300	75	65	19,500	1.62
140-060-0350	140	60	350	80	60	21,000	1.84
140-060-0400	140	60	400	81	59	23,600	1.93
140-060-0450	140	60	450	82	58	26,100	2.02
140-060-0500	140	60	500	89	51	25,500	2.32
170 (length in mm)							
170-060-0030	170	60	30	47	123	3,690	0.52
170-060-0040	170	60	40	53	117	4,680	0.64
170-060-0050	170	60	50	54	116	5,800	0.69

COIL-OVER | 60mm I.D.

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
170 (length in mm)							
170-060-0060	170	60	60	57	113	6,780	0.77
170-060-0070	170	60	70	61	109	7,630	0.88
170-060-0080	170	60	80	66	104	8,320	1.00
170-060-0090	170	60	105	70	100	8,987	1.10
170-060-0100	170	60	100	71	99	9,900	1.14
170-060-0110	170	60	110	70	100	11,000	1.17
170-060-0120	170	60	120	71	99	11,880	1.21
170-060-0130	170	60	130	73	97	12,610	1.28
170-060-0140	170	60	140	75	95	13,300	1.33
170-060-0150	170	60	150	76	94	14,100	1.39
170-060-0160	170	60	160	78	92	14,720	1.45
170-060-0170	170	60	170	78	92	15,640	1.48
170-060-0180	170	60	180	81	89	16,020	1.59
170-060-0190	170	60	190	83	87	16,530	1.65
170-060-0200	170	60	200	86	84	16,800	1.75
170-060-0220	170	60	220	84	86	18,920	1.75
170-060-0240	170	60	240	89	81	19,440	1.94
170-060-0260	170	60	260	95	75	19,500	2.13
170-060-0280	170	60	280	95	75	21,000	2.17
170-060-0300	170	60	300	95	75	22,500	2.23
180 (length in mm)							
180-060-0030	180	60	30	121	59	3,630	1.54
180-060-0040	180	60	40	115	65	4,600	1.76
180-060-0050	180	60	50	106	74	5,300	2.20
180-060-0060	180	60	60	103	77	6,180	2.43
180-060-0070	180	60	70	105	75	7,350	2.43
180-060-0080	180	60	80	100	80	8,000	2.65
180-060-0090	180	60	90	100	80	9,000	2.65
180-060-0100	180	60	100	95	85	9,500	2.87
180-060-0110	180	60	110	94	86	10,340	3.09
180-060-0120	180	60	120	94	86	11,280	3.09
180-060-0130	180	60	130	93	87	12,090	3.31
180-060-0140	180	60	140	85	95	11,900	3.97
180-060-0150	180	60	150	90	90	13,500	3.70
180-060-0175	180	60	175	82	98	14,350	4.19
180-060-0200	180	60	200	80	100	16,000	4.41
200 (length in mm)							
200-060-0030	200	60	30	60	140	4,200	0.69
200-060-0040	200	60	40	65	135	5,400	0.83
200-060-0050	200	60	50	66	134	6,700	0.89
200-060-0060	200	60	60	69	131	7,860	1.00
200-060-0070	200	60	70	73	127	8,890	1.10
200-060-0080	200	60	80	78	122	9,760	1.24
200-060-0090	200	60	90	83	117	10,530	1.39
200-060-0100	200	60	100	83	117	11,700	1.42
200-060-0110	200	60	110	91	109	11,990	1.63

COIL-OVER | 60mm I.D.

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
200 (length in mm)							
200-060-0120	200	60	120	91	109	13,080	1.67
250 (length in mm)							
250-060-0025	250	60	25	69	181	4,525	0.81
250-060-0030	250	60	30	74	176	5,280	0.92
250-060-0035	250	60	35	80	170	5,950	1.06
250-060-0040	250	60	40	80	170	6,800	1.08
250-060-0045	250	60	45	88	162	7,290	1.26
250-060-0050	250	60	50	88	162	8,100	1.30
250-060-0060	250	60	60	91	159	9,540	1.42
250-060-0070	250	60	70	95	155	10,850	1.56
250-060-0080	250	60	80	99	151	12,080	1.70
250-060-0090	250	60	90	106	144	12,960	1.91
250-060-0100	250	60	100	113	137	13,700	2.14
250-060-0110	250	60	110	113	137	15,070	2.17
250-060-0120	250	60	120	120	130	15,600	2.43
300 (length in mm)							
300-060-0020	300	60	20	84	216	4,320	0.99
300-060-0025	300	60	25	87	213	5,325	1.09
300-060-0030	300	60	30	93	207	6,210	1.23
300-060-0035	300	60	35	99	201	7,035	1.40
300-060-0040	300	60	40	108	192	7,680	1.60
300-060-0045	300	60	45	107	193	8,685	1.63
300-060-0050	300	60	50	117	183	9,150	1.87
300-060-0060	300	60	60	118	182	10,920	1.99
300-060-0070	300	60	70	132	168	11,760	2.39
300-060-0080	300	60	80	137	163	13,040	2.60
300-060-0090	300	60	90	134	166	14,940	2.59
300-060-0100	300	60	100	141	159	15,900	2.86
350 (length in mm)							
350-060-0020	350	60	20	106	244	4,880	1.33
350-060-0025	350	60	25	108	242	6,050	1.44
350-060-0030	350	60	30	114	236	7,080	1.60
350-060-0035	350	60	35	121	229	8,015	1.80
350-060-0040	350	60	40	130	220	8,800	2.04
350-060-0045	350	60	45	140	210	9,450	2.31
350-060-0050	350	60	50	139	211	10,550	2.35
350-060-0055	350	60	55	139	211	11,605	2.41
Tender/Linear							
035-060-0065	60	60	65	25	35	2,275	0.40
040-060-0020	55	60	20	15	40	800	0.30
040-060-0030	65	60	30	25	40	1,200	0.30
040-060-0040	75	60	40	35	40	1,600	0.60
040-060-0050	68	60	50	28	40	2,000	0.50
040-060-0055	68	60	55	28	40	2,200	0.50
040-060-0060	66	60	60	26	40	2,400	0.55
040-060-0070	65	60	70	25	40	2,800	0.40

COIL-OVER | 60mm I.D.

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
Tender/Linear							
050-060-0020	78	60	20	28	50	1,000	0.50
050-060-0030	90	60	30	40	50	1,500	0.48
060-060-0030	101	60	30	41	60	1,800	0.80
060-060-0040	113	60	40	53	60	2,400	0.90
060-060-0050	105	60	50	45	60	3,000	0.80
060-060-0060	96	60	60	36	60	3,600	0.72
060-060-0070	95	60	70	35	60	4,200	0.69
080-060-0010	104	60	10	24	80	800	0.40
Tender/Progressive							
050-060-0040/0120	95	60	40/120	45	50	3,800	0.70
050-060-0060/0150	117	60	60/150	67	50	5,000	1.20
Helper							
060-060-0002	73	60	2	13	60	120	0.15
100-060-0010	124	60	10	24	100	1,000	0.40
Hardware							
01-060-00 (Spring Coupler)							
Adapter							
ADAPTER60-250 (Perch Adapter 60mm to 2.50")							

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
200 (length in mm)							
200-070-0040	200	70	40	67	133	5,335	1.03
200-070-0050	200	70	50	73	127	6,350	1.23
200-070-0055	200	70	55	74	126	6,930	1.27
200-070-0060	200	70	60	75	125	7,500	1.32
200-070-0065	200	70	65	83	117	7,605	1.54
200-070-0070	200	70	70	84	116	8,120	1.61
200-070-0075	200	70	75	86	114	8,550	1.68
200-070-0080	200	70	80	82	118	9,440	1.60
200-070-0085	200	70	85	84	116	9,860	1.68
200-070-0090	200	70	90	86	114	10,260	1.77
200-070-0100	200	70	100	92	108	10,800	1.97
200-070-0110	200	70	110	91	109	11,990	1.99
200-070-0120	200	70	120	97	103	12,360	2.22
225 (length in mm)							
225-070-0050	225	70	50	87	138	6,900	1.55
225-070-0055	225	70	55	87	138	7,590	1.59
225-070-0060	225	70	60	88	137	8,220	1.65
225-070-0065	225	70	65	90	135	8,775	1.72
225-070-0070	225	70	70	91	134	9,380	1.79
225-070-0075	225	70	75	93	132	9,900	1.86
225-070-0080	225	70	80	95	130	10,400	1.96
225-070-0085	225	70	85	98	127	10,795	2.05
225-070-0090	225	70	90	100	125	11,250	2.14
225-070-0100	225	70	100	105	120	12,000	2.36
225-070-0110	225	70	110	105	120	13,200	2.40
225-070-0120	225	70	120	111	114	13,680	2.65
250 (length in mm)							
250-070-0040	250	70	40	87	163	6,520	1.48
250-070-0045	250	70	45	95	155	6,975	1.69
250-070-0050	250	70	50	94	156	7,800	1.73
250-070-0055	250	70	55	95	155	8,525	1.77
250-070-0060	250	70	60	104	146	8,760	2.10
250-070-0065	250	70	65	105	145	9,425	2.11
250-070-0070	250	70	70	106	144	10,080	2.18
250-070-0075	250	70	75	108	142	10,650	2.28
250-070-0080	250	70	80	111	139	11,120	2.38
250-070-0085	250	70	85	113	137	11,645	2.47
250-070-0090	250	70	90	115	135	12,150	2.59
250-070-0100	250	70	100	122	128	12,800	2.85
250-070-0110	250	70	110	120	130	14,300	2.86
250-070-0120	250	70	120	127	123	14,760	3.16
300 (length in mm)							
300-070-0020	300	70	20	97	203	4,060	1.44
300-070-0025	300	70	25	97	203	5,075	1.53
300-070-0030	300	70	30	102	198	5,940	1.69
300-070-0035	300	70	35	107	193	6,755	1.90

COIL-OVER | 70mm I.D.

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
300 (length in mm)							
300-070-0040	300	70	40	113	187	7,480	2.08
300-070-0045	300	70	45	112	188	8,460	2.11
300-070-0050	300	70	50	120	180	9,000	2.38
300-070-0055	300	70	55	120	180	9,900	2.43
300-070-0060	300	70	60	131	169	10,140	2.77
350 (length in mm)							
350-070-0020	350	70	20	107	243	4,860	1.64
350-070-0025	350	70	25	120	230	5,750	2.00
350-070-0030	350	70	30	123	227	6,810	2.10
350-070-0035	350	70	35	129	221	7,735	2.30
350-070-0040	350	70	40	135	215	8,560	2.60
350-070-0045	350	70	45	145	205	9,225	2.90
350-070-0050	350	70	50	143	207	10,350	2.90
350-070-0055	350	70	55	154	196	10,780	3.30
350-070-0060	350	70	60	152	198	11,880	3.36
Tender/Linear							
040-070-0030	82	70	30	42	40	1,200	0.92
040-070-0040	78	70	40	38	40	1,600	0.70
040-070-0050	69	70	50	29	40	2,000	0.62
040-070-0060	71	70	60	31	40	2,400	0.68
060-070-0045	98	70	45	38	60	2,700	0.85
070-070-0015	97	70	15	27	70	1,050	0.48
070-070-0030	118	70	30	48	70	2,100	0.95
070-070-0034	108	70	34	38	70	2,380	0.83
070-070-0038	111	70	38	41	70	2,660	0.80
070-070-0042	111	70	42	41	70	2,940	0.91
070-070-0046	106	70	46	36	70	3,220	0.70
070-070-0050	121	70	50	51	70	3,500	1.12
070-070-0060	121	70	60	51	70	4,200	1.12
Helper							
080-070-0003	93	2.76	3	13	80	200	0.14
Hardware							
01-070-00 (Spring Coupler)							

F3 | Standard

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
F3 C400	141	36	70	74	67	4,672	0.50
F3 C450	139	36	79	78	61	4,806	0.54
F3 C500	136	36	88	77	59	5,117	0.54
F3 C550	134	36	96	79	55	5,295	0.59
F3 C600	133	36	105	75	58	6,096	0.59
F3 C700	130	36	123	79	51	6,274	0.64
F3 C800	128	36	140	78	50	6,986	0.64
F3 C900	127	36	158	76	51	8,099	0.68
F3 C1000	126	36	175	79	47	8,188	0.73
F3 C1100	125	36	193	80	45	8,588	0.73
F3 C1200	124	36	210	83	41	8,499	0.77
F3 C1300	123	36	228	83	40	8,989	0.82
F3 C1400	123	36	245	81	42	10,012	0.77
F3 C1500	122	36	263	80	42	11,036	0.77
F3 C1600	122	36	280	84	38	10,591	0.86
F3 C1800	121	36	315	82	39	12,281	0.86
F3 C2000	121	36	350	83	38	13,305	0.86

F3 | Short

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
40494	111	36	105	59	52	5,500	0.42
40495	103	36	114	55	48	5,500	0.39
40496	97	36	123	52	45	5,500	0.37
40497	91	36	131	49	42	5,500	0.35
40498	86	36	140	47	39	5,500	0.33
40499	82	36	149	45	37	5,500	0.32
40500	78	36	158	43	35	5,500	0.3
40501	74	36	166	41	33	5,500	0.29
40502	71	36	175	40	31	5,500	0.28
40503	68	36	184	38	30	5,500	0.27
40504	66	36	193	37	29	5,500	0.26
54587	63	36	201	36	27	5,500	0.25
54588	61	36	210	35	26	5,500	0.25
54589	59	36	219	34	25	5,500	0.24
54590	58	36	228	33	24	5,500	0.23

Dallara

Part Number	Length mm	Inside Diameter mm	Rate N/mm	Block Height mm	Travel mm	Load at Block N	Weight kg
B1000	122	36	175	75	48	8,340	0.68
B1100	122	36	193	76	46	8,878	0.70
B1200	121	36	210	77	44	9,146	0.74
B1300	120	36	228	72	48	11,017	0.69
B1400	121	36	245	74	47	11,578	0.72
B1500	120	36	263	75	44	11,631	0.76
B1600	120	36	280	78	42	11,686	0.81
B1700	119	36	298	75	44	13,217	0.78
B1800	119	36	315	76	43	13,482	0.81
B1900	119	36	333	79	39	13,121	0.87
B2000	119	36	350	76	44	15,252	0.83
B2100	118	36	368	78	40	14,610	0.88
B2200	118	36	385	81	37	14,207	0.94
B2300	118	36	403	79	39	15,656	0.91
B2400	118	36	420	82	37	15,352	0.96
B2500	117	36	438	79	38	16,775	0.93
B2600	118	36	456	82	36	16,494	0.99
B2700	117	36	473	79	38	17,878	0.96
B2800	118	36	491	82	36	17,641	1.02
B2900	117	36	508	81	36	18,299	1.00
B3000	117	36	526	84	33	17,552	1.06
B3200	117	36	561	80	37	20,993	1.01
B3300	117	36	578	83	35	20,001	1.07
B3500	117	36	613	84	33	20,293	1.11
B3700	117	36	648	81	36	23,268	1.07
B3800	116	36	666	84	32	21,306	1.14
B3900	116	36	683	83	33	22,841	1.12
B4000	117	36	701	86	32	22,106	1.19
B4100	116	36	718	84	32	22,970	1.16
B4200	116	36	736	83	33	24,598	1.14
B4300	116	36	753	86	31	22,999	1.21
B4600	116	36	805	87	29	23,435	1.26

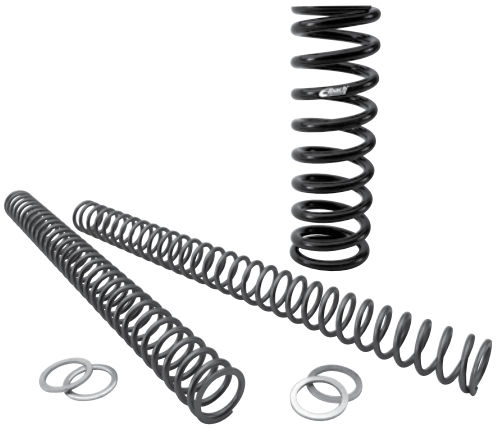
OTHER PRODUCT LINES | EVS, EMS, and EPS

EIBACH VALVE SPRINGS—EVS

Now, using the very same Eibach technology used in IRL, Grand Am and Speed World Challenge, you can get your engine performing at its very best. Eibach EVS valve springs are precision engineered and made from highest quality materials. Check out our full-line of applications in our latest EVS catalog.

EIBACH MOTORCYCLE—EMS

With the extreme performance of today's motorcycles, both on-road and off, proper suspension setup is essential. Front and rear springs must be matched and tuned for rider weight, ability, riding style and road/track conditions. Check out full-line of motorcycle applications in our latest EMS catalog.



EIBACH PERFORMANCE SUSPENSION—EPS

Dominate the track. Rule the street. Eibach uses the exact same technology in our street performance suspension components as we do in our legendary race springs. From performance lowering springs, shocks and sway bars to coil-overs and hub-centric wheel spacers—check out our complete line of automotive, truck and SUV applications in our latest EPS catalog.

SUSPENSION WORKSHEET

STEP 1: MOTION RATIO

In developing a basic spring setup, your first step is determining your Motion Ratio. A different formula is needed for the type of suspension your race vehicle utilizes: A-arm or Beam axle. Please take into consideration the Angle Correction Factor in your computation.

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)

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

Beam Axle Suspension – (See Diagram 2)

MR Motion Ratio
d3 Distance between spring centerlines (in) or (mm)
d4 Distance between tire centerlines

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

Angle Correction Factor

ACF Angle Correction Factor
A Spring angle from vertical (see diagram 1)

$$ACF = (\text{Cosine } \angle A)$$

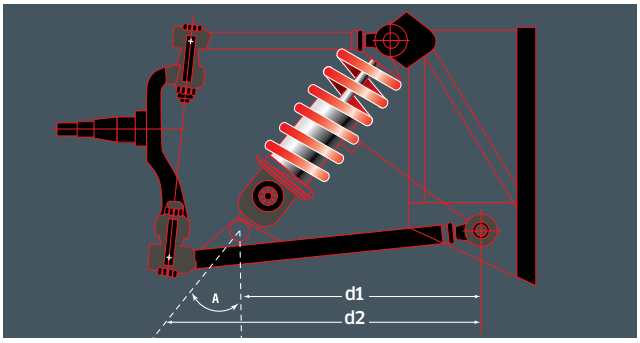


DIAGRAM 1 (A-ARM SUSPENSION)

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.

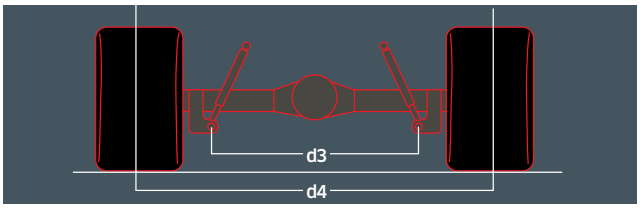


DIAGRAM 2 (BEAM AXLE SUSPENSION)

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 2: WHEEL RATE

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.

Wheel Rate (non beam)

WR Wheel Rate (lbs/in) or (N/mm)
C Spring Rate (lbs/in) or (N/mm)
MR Motion Ratio
ACF Angle Correction Factor

$$WR = (MR)^2 (C) (ACF)$$

STEP 3: SUSPENSION FREQUENCY

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

Suspension Frequency

SF Suspension Frequency (cpm)*
WR Wheel Rate (lbs/in) or (N/mm)
Sprung Weight Vehicle corner weight less unsprung weight

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

*cpm= cycles per minute

Suspension frequency in hertz divide by 60 $\quad \frac{SF}{60}$

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

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

DETERMINING SPRING RATE.

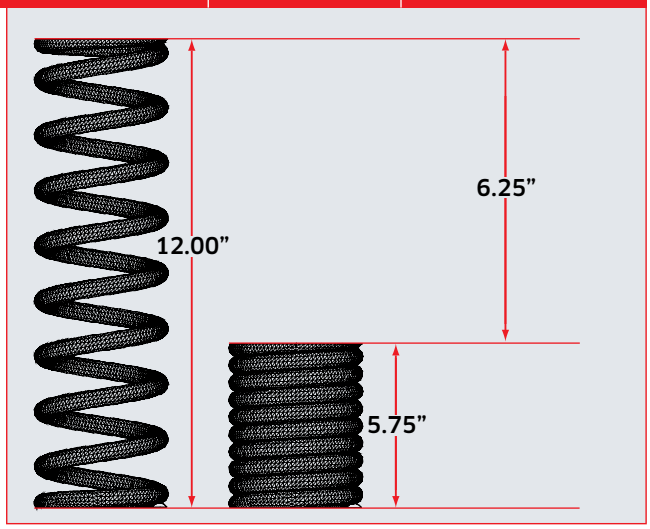
All Eibach motorsport springs are tested between 20% and 70% of the spring's total travel. This spring rate can be measured easily using the following steps:

Example Spring–Standard: 1200.250.0500 (12"Free Length, 2.5"ID, 500lb/in)
Metric: 0300.060.0100 (300mm Free Length, 60mm ID, 100N/mm)

STEP 1: DETERMINE TRAVEL

For the spring to be rated, please refer to the specifications listed for your spring part number in this catalog and record the travel measurement. This number represents the total available travel from free height to coil bind.

Our example spring travel measurements for standard: 6.25" metric: 146mm

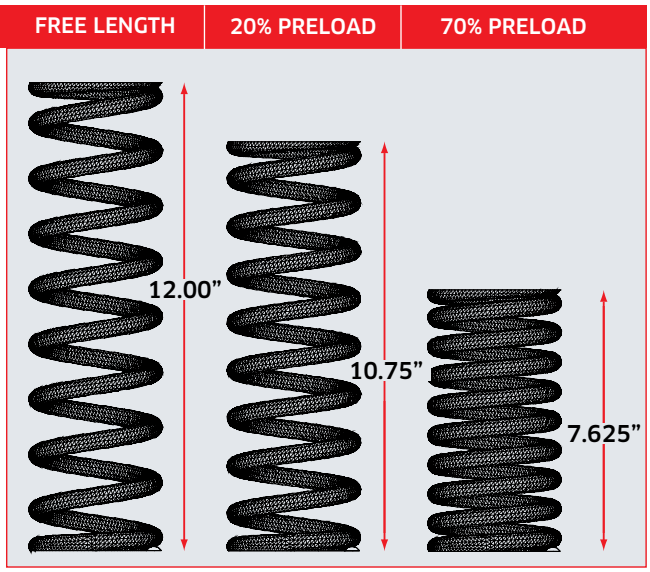


STEP 2: DETERMINE TEST RANGE

Calculate the first test point by taking 20% of 6.25" (which equals 1.25") or 20% of 146mm (which equals 29.20mm) and the second test point 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.

STEP 3: SPRING RATE TEST

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.



STEP 4: SPRING RATE CALCULTION

With Eibach's precise spring rate tolerance of +/- 2% (500 x 2% = 10 lbs) the spring rate should fall between 490 and 510 lbs/in (1565 / 3.125 = 500lb) or 95N and 105N (7300N / 73mm = 100N/mm).

CONVERSION RATES

Imperial to Metric

1 inch	=	25.4 MM
1 lb	=	4.448 Newton
1 lb	=	0.453 Kilogram

Metric to Imperial

1 MM	=	0.03937 inch
1 Newton	=	0.2248 lb
1 Kilogram	=	2.20 lbs

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