



HYPERCO®

MW Industries, Inc.

2017 Product Catalog



Optimized
PERFORMANCE
by Design™

www.hypercoils.com

The Hyperco Performance Advantage

A history of unrivaled racing success that is built into every product for every application!

All of us at Hyperco are just like you... we are in motor racing to WIN! And just like you we are always looking for ways to improve performance. In your hands is our new 2017 catalog containing valuable information on our complete product line and our **NEWEST** products and performance enhancements.

NEW! ***Hyperco Precision "Bump Springs"*** – developed to meet the needs of both pavement and dirt racing applications. Designed for optimum travel, rate linearity and consistency – durability (these springs are not powder coated to ensure precise, absolute performance).

NEW! ***Hyperco Dual-Rate UHT Springs*** offer the performance advantages of a stacked spring assembly in a single spring! Designed with input from championship winning chassis builders, suspension tuners and race teams. The overwhelming success (both pavement and dirt) of the initial 14" x 200/425# design has prompted the expansion of this unique concept into additional designs. These are not your father's old "progressive" springs... Hyperco Dual Rate UHT springs are designed with two specific rates and an optimal transition at a specific load to ensure maximum performance.

NEW! ***3" ID designs in a variety of free lengths and rates have been added to the standard Hyperco product line.*** The expansion of this range meets the requirements of both the Side X Side/ATV market and the use of "pre-loaded" cartridges for the oval track/late model market.

NEW! ***Hyperco 5" x 5" Conventional "Series" Stacking Springs.*** The stacking (series) spring concept has proven to be a significant performance advantage in "coil over /late model" applications... *it will be the same in modified racing.* Hyperco has added 3 initial designs to the standard product that can be stacked with a traditional conventional spring to create a tunable "dual rate" assembly.

Hyperco Custom Designed and Manufactured Suspension Springs... One of our Specialties! Race Teams and Chassis Manufacturers in all forms of motor racing have come to rely on Hyperco for developing and producing custom designs that meet their specific requirements. Contact us if you have a spring requirement that cannot be met with a standard / catalog design – we will work with your team to develop an optimized solution and then produce it in whatever quantity you require.

Hyperco innovation, combined with our extensive product line and legendary customer service, results in a Winning Performance Advantage!

Join all of us at Hyperco... where the most important race is the one you're in!

Sincerely,

Kelly Falls

Kelly Falls

Vice President of Motorsports & Performance Aftermarket

p.s. Additional information is available by visiting our website at
www.hypercoils.com

Bump Springs & Dual-Rate UHT Springs

NEW!

A **"Bump Spring"** is used in conjunction with a primary spring to allow the race car to have a relatively soft/ compliant initial spring rate to get down to the desired optimum ride height and then pick up the rate of the "Bump Spring" to achieve a constant/optimum "Dynamic Ride Height."

How to Select and Use Hyperco Bump Springs

To start out, you need to know the approximate load that your vehicle puts on a spring at its maximum through the corner. Then take the initial rate spring you want to use and take it to the maximum deflection point that you see and determine the spring load at that deflection. Subtract that from the total load you are going to need through the corner and that will be the minimum design load from a bump spring that you will need.

The key point to remember is that using a bump spring creates a "nested spring" configuration where the rates are additive. With stacked springs, the combined rate is always less than the lowest rate spring. With nested springs the combined rate is always greater than each of the single spring rates.



Dual-Rate UHT Springs Advantages & Benefits

Hyperco's new line of Dual-Rate UHT Springs takes competition coil-over design to the next level. We have combined a relatively low, initial spring rate, designed to absorb minor undulations and increase grip; with a precise transition point and transition range to a secondary higher spring rate, to improve roll control during cornering. The precise placement of the transition range in the total spring displacement enables accurate shock valving because the initial rate is very linear and the transition range to the secondary rate is quite short.

Hyperco Dual-Rate UHT springs are available in a range of rate combinations in free lengths from 12" to 16". These new springs essentially provide the performance of an optimized "stacked-spring set-up" in a single spring.

They have been designed in an understressed condition to permit the use of spring rubbers to custom tune the rates to your specific driving requirements, without having to worry about overstressing the springs. Specific data on rates, deflection, transition points and more can be found at www.hypercoils.com under our tech info tab.

3" I.D. Suspension Springs



NEW!

... for **Late Model "PreLoad Cartridge" Applications**

The Preload Cartridge Concept using 3" ID springs has proven to be a performance advantage in late model racing. It allows the spring to be precisely tuned by preloading it on the shock to achieve optimum force resistance and dynamic spring rate. The spring rate and/or spring preload can be changed without affecting ride height. Advantages include faster spring adjustments, fine tuning wheel loads, increased grip and reduced tire wear and temperatures.

... and for the **High-Performance Side x Side Market**

The High Performance Side x Side Market (Polaris-Razor, Yamaha-YXZ etc.) is also ideally suited for the newly expanded range of 3" ID – UHT Coil Overs. Extensive testing has resulted in new designs for both single and series spring applications for recreational and high performance suspension tuning.

Advantages include additional suspension travel, improved ride quality and enhanced durability.



Conventional Suspension Springs

High Performance Springs for all Applications

Hyperco's never ending pursuit of performance has led to yet another breakthrough in conventional motorsports spring design – the Dynamic Travel Response (DTL) enhancement!

Hyperco engineers analyzed the dynamic characteristics essential in conventional spring performance and utilized this data to develop the Dynamic Travel Response design concept. Unlike coil over springs that are available in a multitude of free lengths, conventional springs are limited in their free length offerings (often as a result of sanctioning bodies/rules). Working within that limitation, the Dynamic Travel Response concept allows all springs to exceed the performance requirements for travel and rate linearity, yet be designed with significantly less physical weight.



Fewer Coils, Less Weight and More Performance than the Competition!

The Dynamic Travel Response concept allows Hyperco to produce a conventional spring that raises performance over the competition without compromising consistency and durability.



Conventional Rear Coil Springs

NEW!

**More Choices. Maximum Travel.
Maximum Performance.**

The Hyperco Stacked Spring/Dual Rate Advantage **is now available for Conventional Spring Applications!**

Hyperco's new 5" OD x 5" Free Length springs are specifically designed for stacking with traditional conventional 5" OD springs to create a "tunable" dual rate advantage. This system has proven to be a winner in Late Model/Coil Over Competition... and will provide the same benefits in conventional applications.

Available in 200#, 300# and 400# rates.

See page #7 for details on how the stacked spring/dual rate system functions and how to tune it to your advantage

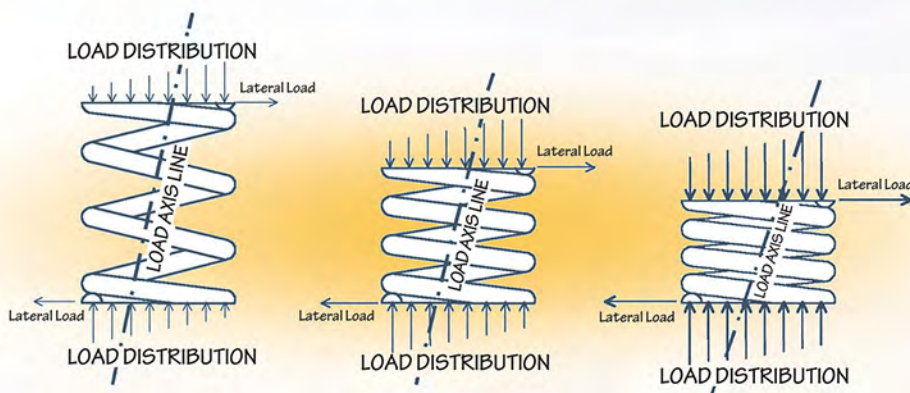


Hydraulic Spring Perches

What Every Serious Racer Needs to Know

Hyperco/ICP has made an astounding breakthrough in tire grip enhancement with our load centering Hydraulic Perch. This unique patented device significantly reduces the side loads produced by suspension springs that load the shock body. These bending loads increase friction and wear in your coil-over dampers. Friction in racing suspensions reduces the performance of your race car by decreasing the grip available at the tire contact patch.

The forces in a compressed spring are NOT centered on the spring central axis. Instead, coil over spring designs lead to non-uniform load distributions around the face of the end coil. Typically, the center of that load is located near the tip of the spring. This offset center of pressure, imposes a bending moment on the damper. This moment becomes a lateral force between the damper piston and body, increasing friction within the damper. The more the spring is compressed, the higher the side load typically becomes. These side loads are significant and their effect on suspension behavior has been widely measured and documented.



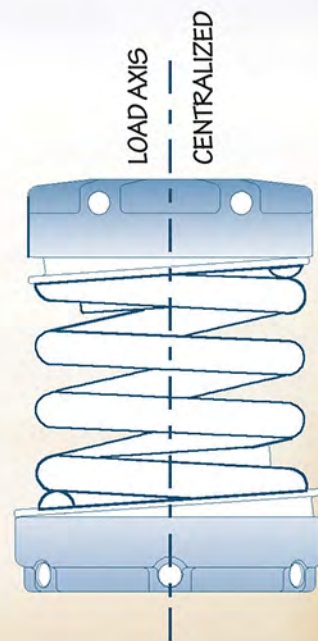
For the spring to center its forces, its endcoils must be allowed to flex as they apply load. It is **ONLY** through this flexing that the load can be evenly distributed about the face of the end coil.

The Hyperco/ICP Hydraulic Perch consists of an annular piston mated to an annular cylinder, sealed by O-rings, and filled with hydraulic fluid. As a load is applied to the spring, the perch tilts in response to the uneven load distribution, until the load on the coil face has been balanced. The load on the tilted piston is transferred to oil in the cavity, and is automatically transferred to damper as near the centerline as possible.

Hyperco/ICP Hydraulic Perches are currently in use in all of the world's major racing categories including F1, World Rally, Formula V, Formula Ford, F3, Indy Car Series, Dirt Late Model, Modifieds, Silver Crown, GP Motorcycle, Motocross, even snowmobiles.

Hyperco/ICP Hydraulic Perches are currently manufactured to fit directly onto most of the world's major dampers as replacements for the OEM spring support. We also manufacture a complete line of "Add-On" perches that sit on the OEM spring support.

For maximum side load reduction, Hyperco/ICP Hydraulic Perches should be used on both ends of the spring as the same condition exists at both ends. The use of a single Perch will reduce transmitted side load on the order of 50-65%, while their use at both ends results in reductions of 94-98%. If a single perch is to be used, testing has shown it to be most effective at the shaft end.



Load equalized about endcoil face as it tilts (flexes) to accept load

Optimum Body Diameter (OBD) & Ultra High Travel (UHT) Hypercoils

Optimum Body Diameter (OBD) Hypercoils feature a unique design concept that adjusts the body diameter of the spring relative to the end coils. The OBD design enables Hyperco to take full advantage of its ultra high tensile material by optimizing the applied stress through adjusting the springs body diameter.

The results are in and they are simply unbeatable...

- » More Deflection
- » Less Weight
- » Increased Rate Linearity
- » More Resistance to Bowing
- » Fits All Standard Hardware
- » Maintains Free Length/Installed Height

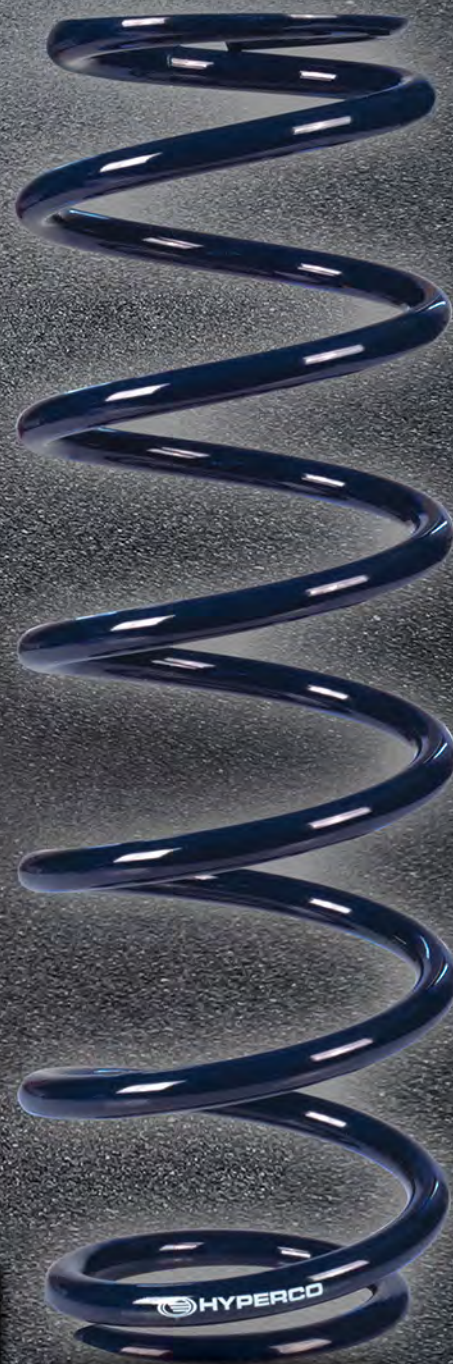
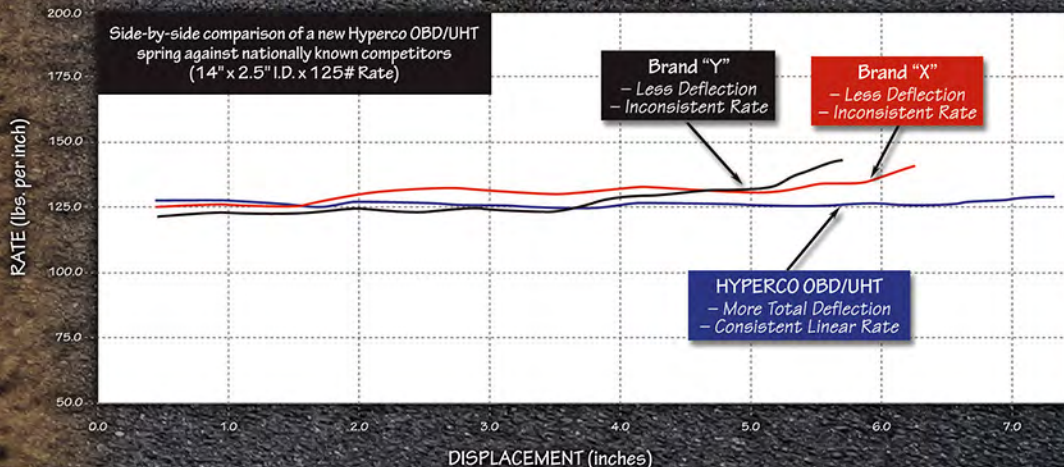


Ultra High Travel (UHT) Hypercoils are designed specifically for light rate/high travel coil over applications (dirt & pavement). UHT designs meet the requirements of soft spring/big bar set ups and remain consistent in free length and installed height. The new UHT design features a larger "body bulge" over standard OBD designs allowing for additional deflection, rate linearity and resistance to bowing (available in select rates in 12", 14", 15" and 16" free lengths x 2.5" ID).

Hyperco's addition of the UHT lines enables you to choose the best design for your application and packaging requirements!

Hyperco OBD/UHT Springs vs. The Competition

RATE vs. DISPLACEMENT



**Precision
Engineered.
Track Tested.
Race Proven.**

Hyperco... A Part of Winning

The Hyperco Advantage — Stacked Spring / Dual Rate System. It's Tunable!

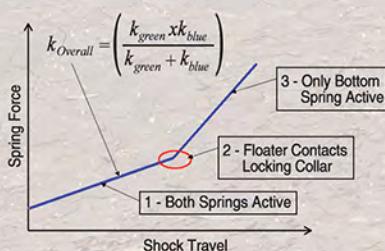
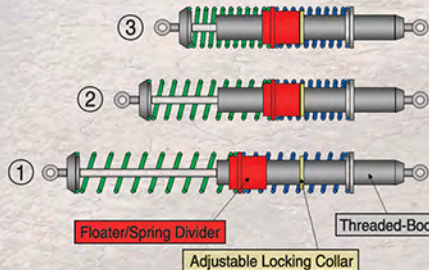


This secret is definitely out! The Stacked Spring / Dual Rate system provides a winning advantage!

Championship winning teams in both Dirt and Pavement are benefiting from the vast tunability of the Stacked Spring / Dual Rate system. The stacked spring system enables the suspension to be soft-light in the early travel and tuned with precision to transfer to a stiffer secondary rate for optimum performance.

Adjusting the locking collar on the threaded shock body enables the car to be tuned for loose or tight conditions (and can ensure the suspension does not travel to absolute solid). It lets you control the transition from a relatively soft combined / dual spring rate for desired weight transfer and wheel movement while also enabling you to tune the suspension to a higher secondary rate that provides for maximum compliance and wheel/tire loading.

Variable (Dual Rate) Technology



example

$$\begin{array}{l} \text{Spring Rate "A" x Spring Rate "B" or } 600 \times 400 \\ \text{Spring Rate "A" + Spring Rate "B" or } 600 + 400 \end{array} = 240\#$$

The Stacked Spring / Dual Rate system is not limited to oval track racing. It is being utilized in a wide variety of high-performance coil over applications – from Drag Racing and Road Racing to Off Road and Snowmobiles.

Any and all coil over applications can greatly benefit from the tunable Stacked Spring / Dual Rate system.



Technical Information

Coil Springs

Solid Height = (Number of Coils – 0.25) x Wire Diameter

Example: For a spring with 14 coils and a wire diameter of 0.5" the Solid Height is calculated as follows:
 $(14 - 0.25) \times 0.5 = 6.875$ Solid Height

Rate = Load ÷ Deflection

Example: If a spring deflects by 2.75" under a load of 300 lbs., the Rate would be calculated as follows:
 $300 \div 2.75 = 109\#$ Rate

Deflection = Load ÷ Rate

Example: A spring under a load of 300 lbs., with a 109 # rate, the Deflection would be calculated as follows:
 $300 \div 109 = 2.75"$ Deflection

Load = Deflection x Rate

Example: A spring with a 109# rate and a 2.75" deflection, the Load would be calculated as follows:
 $2.75 \times 109 = 300$ lb. Load

Stacked Springs / Combined Spring Rate

$(\text{Spring Rate "A"} \times \text{Spring Rate "B"}) \div$
 $(\text{Spring Rate "A"} + \text{Spring Rate "B"})$

This is used when two springs are stacked on top of each other. Example: If the rate for a spring "A" is 200# and the rate for spring "B" is 500#, the combined rate is calculated as follows:
 $(200 \times 500) \div (200 + 500) = 143\#$ combined rate

Portable Spring Rate Checkers

Portable rate checkers are adequate for general testing and for comparing springs of 1000# rate or less. When using portable checking equipment, follow these tips to help you achieve more favorable results.

- » Use calibration springs and keep them for reference
- » Use a strong, sturdy frame for your equipment
 - one that will not bow or flex
- » Make certain the top and bottom plates are parallel
- » Inspect for hydraulic leaks on a regular basis
- » Use a consistent set of operating procedures:
 1. Orient the springs the same way each time
 2. Compress the springs to the preload and do not "bleed" back to it

Visit our website for Hyperco Spring Rate Calculator:

www.hypercoils.com/spring-calculator

IT'S NOT JUST A LIST. IT'S A LEGACY OF WINNING...

- » IMSA
- » NASCAR SPRINT CUP
- » FORMULA ONE
- » INDIANAPOLIS 500
- » INDY CAR SERIES
- » USAC MIDGETS
- » DAYTONA 500
- » SCCA PRO RACING
- » USMTS MODIFIED
- » USAC SPRINT
- » JAPAN GTCS
- » SCORE OFF-ROAD
- » NASCAR INFINITY SERIES
- » EAST COAST DIRT MODIFIED
- » DAYTONA 24 HOURS
- » SEBRING 12 HOURS
- » LUCAS SERIES
- » CAMPING WORLD TRUCK SERIES
- » LEGEND CAR SERIES
- » STEEDA MUSTANGS
- » NHRA PRO STOCK
- » WORLD OF OUTLAWS
- » SHOW ME "100"
- » BRICKYARD 400
- » LE MANS 24 HOURS
- » MONACO GRAND PRIX
- » AMRA
- » FIA RALLY
- » WORLD 100
- » ELDORA "DREAM"
- » IMCA MODIFIED
- » USAC SILVER CROWN
- » USAC ¼ MIDGETS
- » USF 2000
- » AMA FLAT TRACK MOTORBIKES
- » AMA ROAD RACING MOTORBIKES

BUMP SPRINGS

Part #		Free Length (inches)	O.D. (inches)	I.D. (inches)	Solid Height (inches)	Design Load (lbs.)	Weight (grams)	Racer \$
24BS0400	NEW!	2.400	1.920	1.410	1.158	497	165	\$130.00
24BS0500	NEW!	2.400	1.954	1.410	1.240	580	191	\$130.00
24BS0600	NEW!	2.400	1.976	1.410	1.250	690	202	\$130.00
24BS0700	NEW!	2.400	2.000	1.410	1.294	774	219	\$130.00
24BS0800		2.400	1.928	1.338	1.291	887	210	\$130.00
24BS1000		2.400	1.950	1.338	1.327	1073	213	\$130.00
24BS1200		2.400	1.940	1.300	1.345	1265	236	\$130.00
24BS1400		2.400	1.962	1.300	1.354	1464	248	\$130.00
24BS1600		2.400	1.940	1.260	1.422	1565	262	\$130.00
20BS1800		2.000	1.980	1.300	1.248	1354	237	\$130.00
20BS2000		2.000	1.960	1.260	1.342	1316	257	\$130.00
20BS2250		2.000	1.960	1.260	1.329	1510	239	\$130.00
20BS2500		2.000	1.940	1.220	1.331	1671	258	\$130.00
20BS3000		2.000	1.970	1.220	1.344	1967	275	\$130.00
20BS3500		2.000	1.944	1.180	1.354	2000	276	\$130.00
20BS4000		2.000	1.960	1.180	1.500	2000	278	\$130.00
20BS4500		2.000	1.960	1.180	1.550	2000	260	\$130.00
20BS5000		2.000	1.960	1.180	1.600	2000	245	\$130.00

HYDRAULIC LOAD CENTERING SPRING PERCH HARDWARE

ADD ON/SLIDE ON PERCH		THREAD ON (O.E. REPLACING) SHOCK BODY PERCH		THREAD ON (O.E. REPLACING) TOP PERCH	
Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
HHPERCH-2.00	180.00/ea.	AST5200BOD-2.25	192.00/ea.	HHTOPPENSKE-2.00	192.00/ea.
HHPERCH-2.25L	180.00/ea.	HHBODPENSKE-2.25	192.00/ea.	HHTOPPENSKE-2.25	192.00/ea.
HHPERCH-2.50	180.00/ea.	HHBODOHLINS-2.25	192.00/ea.	HHTOPOHLINS-2.00	192.00/ea.
		HHBODOHLINS-2.00 (TT40/TTX)	192.00/ea.	HHTOPOHLINS-2.25	192.00/ea.
		HHBODPENSKE8175-2.25	192.00/ea.		
		HHBODPENSKE8175-2.50	192.00/ea.	HCD-PERCH COVERS	22.00/ea.
		HHBODOHLINS(LMJ)-2.50	192.00/ea.		

HYDRAULIC PERCH MAINTENANCE ITEMS

SEALS		GAP SETTING RINGS	
Part #	Racer \$	Part #	Racer \$
02-028	7.95/ea.	.084"	45.00 (2 psc.)
02-032	7.95/ea.	.096"	45.00 (2 psc.)
02-034	7.95/ea.	.099"	45.00 (2 psc.)
02-035	7.95/ea.	.101"	45.00 (2 psc.)
02-036	7.95/ea.	.105"	45.00 (2 psc.)
02-037	7.95/ea.	.109"	45.00 (2 psc.)
02-038	7.95/ea.	.113"	45.00 (2 psc.)
02-039	7.95/ea.	.117"	45.00 (2 psc.)
02-040	7.95/ea.	.126"	45.00 (2 psc.)
02-041	7.95/ea.	.126-5"	45.00 (2 psc.)
02-042	7.95/ea.		
02-043	7.95/ea.		
		ASSEMBLYGREASE	Assembly Grease 11.50/ea.
ORN-0178-07900	6.00/ea.	SCREWS	Sealing Screws .50/ea.
		SWAB	Cotton Swab .25/ea.

2.5" I.D. & 2.5" I.D. Ultra High Travel

Free Length / 2.5" I.D. / Rate

Part #18 8 B 0400

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
184B0350	89.00	188B0175	89.00	1810B0800	89.00	1814B0150	89.00
184B0400	89.00	188B0200	89.00	1810B0850	89.00	1814B0160	89.00
184B0450	89.00	188B0225	89.00	1810B0900	89.00	1814B0175	89.00
184B0500	89.00	188B0250	89.00			1814B0185	89.00
184B0600	89.00	188B0275	89.00	1812B085	89.00	1814B0200	89.00
184B0700	89.00	188B0300	89.00	1812B095	89.00	1814B0225	89.00
		188B0325	89.00	1812B0110	89.00	1814B0250	89.00
186B0300	89.00	188B0350	89.00	1812B0125	89.00	1814B0275	89.00
186B0350	89.00	188B0375	89.00	1812B0150	89.00	1814B0300	89.00
186B0400	89.00	188B0400	89.00	1812B0162	89.00	1814B0325	89.00
186B0450	89.00	188B0425	89.00	1812B0175	89.00	1814B0350	89.00
186B0500	89.00	188B0450	89.00	1812B0185	89.00	1814B0375	89.00
186B0550	89.00	188B0475	89.00	1812B0200	89.00	1814B0400	89.00
186B0600	89.00	188B0500	89.00	1812B0225	89.00	1814B0450	125.00
186B0650	89.00	188B0525	89.00	1812B0250	89.00	1814B0500	125.00
186B0700	89.00	188B0550	89.00	1812B0275	89.00	1814B0600	125.00
186B0750	89.00	188B0575	89.00	1812B0300	89.00		
186B0800	89.00	188B0600	89.00	1812B0325	89.00	ULTRA HIGH TRAVEL (UHT) 14"	
186B0850	89.00	188B0650	89.00	1812B0350	89.00	14B0125UHT	105.00
186B0900	89.00	188B0700	89.00	1812B0375	89.00	14B0140UHT	105.00
186B1000	89.00	188B0750	89.00	1812B0400	89.00	14B0150UHT	105.00
186B1100	89.00	188B0800	89.00	1812B0425	89.00	14B0165UHT	105.00
186B1200	89.00	188B0850	89.00	1812B0450	89.00	14B0175UHT	105.00
186B1300	89.00	188B0900	89.00	1812B0475	89.00	14B0175/350UHT NEW!	130.00
		188B0950	89.00	1812B0500	89.00	14B0185UHT	105.00
187B0100	89.00	188B1000	89.00	1812B0550	89.00	14B0200UHT	105.00
187B0125	89.00	188B1100	89.00	1812B0600	89.00	14B0200/425UHT NEW!	130.00
187B0150	89.00	188B1200	89.00	1812B0650	125.00	14B0212UHT NEW!	130.00
187B0175	89.00			1812B0700	125.00	14B0225UHT	105.00
187B0200	89.00	1810B085 NEW!	89.00	1812B0750	125.00	14B0230/700UHT NEW!	130.00
187B0225	89.00	1810B095	89.00	1812B0800	125.00	14B0237UHT NEW!	130.00
187B0250	89.00	1810B0110	89.00	1812B0850	125.00	14B0250UHT	105.00
187B0275	89.00	1810B0125	89.00				
187B0300	89.00	1810B0150	89.00	ULTRA HIGH TRAVEL (UHT) 12"		ULTRA HIGH TRAVEL (UHT) 15"	
187B0325	89.00	1810B0162	89.00	12B0110UHT	105.00	15B0110UHT	105.00
187B0350	89.00	1810B0175	89.00	12B0125UHT	105.00		
187B0375	89.00	1810B0200	89.00	12B0150UHT	105.00	1816B0150	145.00
187B0400	89.00	1810B0225	89.00	12B0162UHT	105.00	1816B0250	145.00
187B0450	89.00	1810B0250	89.00	12B0175UHT	105.00	1816B0350	145.00
187B0500	89.00	1810B0275	89.00	12B0175/350UHT NEW!	130.00	1816B0450	145.00
187B0550	89.00	1810B0300	89.00	12B0185UHT NEW!	105.00	1816B0500	145.00
187B0600	89.00	1810B0325	89.00	12B0200UHT	105.00		
187B0650	89.00	1810B0350	89.00	12B0200/425UHT NEW!	130.00	ULTRA HIGH TRAVEL (UHT) 16"	
187B0700	89.00	1810B0375	89.00	12B0212UHT NEW!	105.00	16B0100UHT NEW!	105.00
187B0750	89.00	1810B0400	89.00	12B0225UHT	105.00	16B0110UHT	105.00
187B0800	89.00	1810B0425	89.00	12B0230/700UHT NEW!	105.00	16B0125UHT	105.00
187B0850	89.00	1810B0450	89.00	12B0237UHT NEW!	105.00	16B0138UHT	105.00
187B0900	89.00	1810B0475	89.00	12B0250UHT	105.00	16B0138/375UHT NEW!	130.00
187B0950	89.00	1810B0500	89.00	12B0275UHT	105.00	16B0150UHT	105.00
187B1000	89.00	1810B0525	89.00	12B0300UHT	105.00	16B0175UHT	105.00
187B1100	89.00	1810B0550	89.00	12B0325UHT	105.00	16B0200UHT	105.00
187B1200	89.00	1810B0575	89.00			16B0225UHT	105.00
187B1300	89.00	1810B0600	89.00	1814B085	89.00	16B0250UHT	105.00
		1810B0650	89.00	1814B0100	89.00		
188B0100	89.00	1810B0700	89.00	1814B0110	89.00		
188B0125	89.00	1810B0725	89.00	1814B0125	89.00		
188B0150	89.00	1810B0750	89.00	1814B0138	89.00		

2.25" I.D.

Free Length / 2.25" I.D. / Rate

Part #18 6 A 0400

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
184A0400	115.00	185A1300	115.00	186A0950	89.00	188A0350	89.00
184A0450	115.00	185A1350	115.00	186A1000	115.00	188A0375	89.00
184A0500	115.00	185A1400	115.00	186A1050	115.00	188A0400	89.00
184A0550	115.00	185A1450	115.00	186A1100	115.00	188A0425	89.00
184A0600	115.00	185A1500	115.00	186A1150	115.00	188A0450	89.00
184A0650	115.00	185A1550	115.00	186A1200	115.00	188A0475	89.00
184A0700	115.00	185A1600	115.00	186A1250	115.00	188A0500	89.00
184A0800	115.00	185A1650	115.00	186A1300	115.00	188A0525	89.00
184A0850	115.00	185A1700	115.00	186A1400	115.00	188A0550	89.00
184A0900	115.00	185A1750	115.00	186A1500	115.00	188A0600	89.00
184A0950	115.00	185A1800	115.00	186A1600	115.00	188A0650	89.00
184A1000	115.00	185A1850	115.00	186A1700	115.00	188A0700	89.00
184A1050	115.00	185A1900	115.00	186A1800	115.00	188A0750	89.00
184A1100	115.00	185A1950	115.00	186A1900	115.00	188A0800	89.00
184A1150	115.00	185A2000	115.00	186A2000	115.00	188A0900	89.00
184A1200	115.00	185A2050	115.00	186A2500	235.00	188A1000	115.00
184A1250	115.00	185A2100	115.00			188A1100	115.00
184A1300	115.00	185A2150	115.00			188A1200	115.00
184A1350	115.00	185A2200	115.00	187A0250	89.00		
184A1400	115.00	185A2250	115.00	187A0275	89.00		
184A1450	115.00	185A2300	115.00	187A0300	89.00	189A0150	89.00
184A1500	115.00	185A2400	115.00	187A0325	89.00	189A0175	89.00
184A1600	115.00	185A2500	115.00	187A0350	89.00	189A0200	89.00
184A1700	115.00	185A2700	235.00	187A0375	89.00	189A0225	89.00
184A1800	115.00	185A2800	235.00	187A0400	89.00	189A0250	89.00
184A1900	115.00	185A2900	235.00	187A0425	89.00	189A0275	89.00
184A2100	115.00	185A3000	235.00	187A0450	89.00	189A0300	89.00
184A2200	115.00	185A3800	235.00	187A0475	89.00	189A0325	89.00
184A2300	115.00			187A0500	89.00	189A0350	89.00
184A2400	115.00			187A0525	89.00	189A0375	89.00
184A2500	115.00	186A0200	89.00	187A0550	89.00	189A0400	89.00
184A2900	115.00	186A0225	89.00	187A0600	89.00	189A0425	89.00
184A3000	115.00	186A0250	89.00	187A0650	89.00	189A0450	89.00
		186A0275	89.00	187A0700	89.00	189A0475	89.00
		186A0300	89.00	187A0750	89.00	189A0500	89.00
185A0300	89.00	186A0325	89.00	187A0800	89.00	189A0550	89.00
185A0350	89.00	186A0350	89.00	187A0850	89.00	189A0600	89.00
185A0400	89.00	186A0375	89.00	187A0900	89.00		
185A0450	89.00	186A0400	89.00	187A0950	89.00		
185A0500	89.00	186A0425	89.00	187A1000	89.00		
185A0550	89.00	186A0450	89.00	187A1100	115.00		
185A0600	89.00	186A0475	89.00	187A1200	115.00		
185A0650	89.00	186A0500	89.00	187A1300	115.00		
185A0700	89.00	186A0525	89.00	187A1400	115.00		
185A0750	89.00	186A0550	89.00	187A1500	115.00		
185A0800	89.00	186A0575	89.00	187A1600	115.00		
185A0850	89.00	186A0600	89.00				
185A0900	89.00	186A0625	89.00				
185A0950	89.00	186A0650	89.00	188A0150	89.00		
185A1000	115.00	186A0675	89.00	188A0200	89.00		
185A1050	115.00	186A0700	89.00	188A0225	89.00		
185A1100	115.00	186A0750	89.00	188A0250	89.00		
185A1150	115.00	186A0800	89.00	188A0275	89.00		
185A1200	115.00	186A0850	89.00	188A0300	89.00		
185A1250	115.00	186A0900	89.00	188A0325	89.00		

Part #18 5 C 0400

3" I.D.

Free Length / 3" I.D. / Rate

Part #18 12 E 0400

OFF ROAD SPRINGS

This range of springs is designed for the new shocks now on the market for Off-Road Racing. Now the Off-Road racer has a range of high quality suspension coils to choose from. They are available as standard inventory items at reasonable prices. Available in 5 free lengths: 10", 12", 14", 16" & 18".

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
186E0200 NEW!	130.00	1810E0250	130.00	1814E0150	130.00	1816E0250	130.00
186E0250 NEW!	130.00	1810E0300	130.00	14E0140 UHT NEW!	130.00	16E0250 UHT NEW!	130.00
186E0300 NEW!	130.00	1810E0400	130.00	14E0160 UHT	130.00	16E0300 UHT NEW!	130.00
186E0350 NEW!	130.00	1810E0500	130.00	14E0180 UHT	130.00	1816E0450	130.00
				14E0200 UHT	130.00	1816E0500	130.00
1810E080 NEW!	130.00	1812E0100 NEW!	130.00	1814E0300	130.00	1816E0550	235.00
1810E0100	130.00	1812E0125 NEW!	130.00	1814E0350	130.00	1816E0600	235.00
1810E0125 NEW!	130.00	1812E0150 NEW!	130.00	1814E0400	130.00		
1810E0150 NEW!	130.00	1812E0200	130.00	1814E0500	130.00	18E0200 UHT NEW!	130.00
1810E0162 NEW!	130.00	1812E0250	130.00	1814E0600	235.00	18E0300 UHT NEW!	130.00
1810E0175 NEW!	130.00	1812E0500	130.00			1818E0500	235.00
1810E0200	130.00			1816E0150	130.00	1818E0700	235.00
1810E0225 NEW!	130.00			16E0200 UHT NEW!	130.00	1818E0800	235.00

3.75" I.D.

Free Length / 3.75" I.D. / Rate

Part #18 20 G 0700

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
1820G0500	265.00	1820G0700	265.00	1822G0600	265.00	1824G0550	265.00
1820G0600	265.00	1822G0500	265.00	1824G0500	265.00		

Specialty Springs & Products

Part #	Description	Racer \$
184.5H0600	Penske Tracking Damper (1.18" ID x 4.5" free length)	49.00
184.5H0900	Penske Tracking Damper (1.18" ID x 4.5" free length)	49.00
18-400	6th Coil (.909 ID x 3" free length)	25.00
18DS100	Stacked Spring Divider (2.5" ID)	49.00
LOCKERSPRG	Locker Springs	35.00
LOCKER SPRG (SPCL)	Locker Springs Special	45.00
18-CS 25	Transfer Assist Springs (25# rate)	25.00
18-CS 50	Transfer Assist Springs (50# rate)	25.00
CS100	Helper Springs (4" FL x 2.5" ID)	39.00
CS600	Helper Springs (6" FL x 2.5" ID)	39.00
CS650	Helper Springs (6" FL x 2.5" ID x .650" Solid Height)	39.00
HELPERSPRG-1.875	Helper Springs (4" FL x 1.875" ID)	39.00
HELPERSPRG-2.25	Helper Springs (4" FL x 2.25" ID)	39.00
HELPERSPRG-3.00	Helper Springs (5" FL x 3" ID)	39.00
HELPERSPRG-60MM	Helper Springs (4" FL x 60MM ID)	39.00

Note: Helper Springs keep springs indexed in platforms when flying through holes and when car is on jacks

36 MM I.D. 1.417"

36mm I.D. / Rate / Material

Part #18 | 1000 HT

This line of springs was developed for the Dallara/IRL cars. There are other applications that use this specification, such as F-2000, F-3 series, etc.

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18I-0300-HT	136.00	18I-1400-HT	136.00	36MM – 4" FREE LENGTH		36MM – 5" FREE LENGTH	
18I-0350-HT	136.00	18I-1500-HT	136.00	18I-0600-HT-4	NEW! 105.00	18I-1400-HT-5	NEW! 105.00
18I-0400-HT	136.00	18I-1700-HT	136.00	18I-0700-HT-4	NEW! 105.00	18I-1500-HT-5	NEW! 105.00
18I-0450-HT	136.00	18I-1800-HT	136.00	18I-0800-HT-4	105.00	18I-1600-HT-5	NEW! 105.00
18I-0500-HT	136.00	18I-1900-HT	136.00	18I-0900-HT-4	105.00	18I-1700-HT-5	NEW! 105.00
18I-0600-HT	136.00	18I-2000-HT	136.00	18I-1000-HT-4	105.00	18I-1800-HT-5	NEW! 105.00
18I-0700-HT	136.00	18I-2100-HT	136.00	18I-1100-HT-4	105.00	18I-1900-HT-5	NEW! 105.00
18I-0750-HT	136.00	18I-2900-HT	136.00	18I-1200-HT-4	105.00	18I-2000-HT-5	NEW! 105.00
18I-0800-HT	136.00	18I-3000-HT	136.00	18I-1300-HT-4	105.00	18I-2100-HT-5	NEW! 105.00
18I-0900-HT	136.00	18I-3300-HT	136.00	18I-1400-HT-4	105.00	18I-2200-HT-5	NEW! 105.00
18I-1000-HT	136.00	18I-3400-HT	136.00	18I-1500-HT-4	105.00		
18I-1100-HT	136.00	18I-3600-HT	136.00	18I-1600-HT-4	105.00		
18I-1200-HT	136.00	18I-3700-HT	136.00	18I-1800-HT-4	105.00		
18I-1300-HT	136.00	18I-3900-HT	136.00	18I-2000-HT-4	105.00		

60 MM I.D. 2.36"

Free Length / 60mm" I.D. / Rate

Part #18 6 M 0600

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
185.5M0550	89.00	186M0900	89.00	187M0700	89.00	188M0900	89.00
185.5M0650	89.00	186M1000	89.00	187M0800	89.00	188M1000	89.00
185.5M0750	89.00	186M1100	89.00	187M0900	89.00		
		186M1200	89.00	187M1000	89.00	189M0600	89.00
186M0350	89.00	186M1300	89.00	187M1100	89.00	189M0650	89.00
186M0450	89.00					189M0700	89.00
186M0500	89.00	187M0350	89.00	188M0350	89.00	189M0750	89.00
186M0550	89.00	187M0450	89.00	188M0450	89.00	189M0800	89.00
186M0600	89.00	187M0500	89.00	188M0550	89.00	189M0850	89.00
186M0650	89.00	187M0550	89.00	188M0600	89.00	189M0900	89.00
186M0700	89.00	187M0600	89.00	188M0700	89.00		
186M0800	89.00	187M0650	89.00	188M0800	89.00		

70 MM I.D. 2.75"

Free Length / 70mm" I.D. / Rate

Part #18 8 P 0450

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
188P0450	89.00	188P0550	89.00	189P0400	96.00	1810P0350	101.00
188P0500	89.00	188P0600	89.00	189P0450	96.00	1810P0400	101.00
						1810P0450	101.00

Conventional Springs

5" F.L. x 5" O.D., 7" F.L. x 5" O.D. Progressive Pull Ball

Springs, 6.625" F.L. x 5" O.D. & 7" F.L. x 5" OD Linear Pull Bar Springs 10", 11", 13" 15", 16", 20" Rears/5" O.D., 5 1/2" O.D. Fronts

Part #	Length	Racer \$	Part #	O.D.	Racer \$
5" FREE LENGTH x 5" OD STACKING SPRINGS			5" O.D. x 9 1/2" FRONT CONVENTIONAL SPRINGS		
18SS-200	5" Rear	NEW! 69.00	<i>(One end open, one end closed and ground)</i>		
18SS-300	5" Rear	NEW! 69.00	18Y0300	5" Front	69.00
18SS-400	5" Rear	NEW! 69.00	18Y0350	5" Front	69.00
5" O.D. REAR CONVENTIONAL SPRINGS			18Y0400	5" Front	69.00
<i>(Both ends closed and ground)</i>			18Y0450	5" Front	69.00
18SN-125	11" Rear	69.00	18Y0475	5" Front	69.00
18SN-150	11" Rear	69.00	18Y0500	5" Front	69.00
18SN-175	11" Rear	69.00	18Y0525	5" Front	69.00
18SN-200	11" Rear	69.00	18Y0550	5" Front	69.00
18SN-225	11" Rear	69.00	18Y0575	5" Front	69.00
18SN-250	11" Rear	69.00	18Y0600	5" Front	69.00
18SN-275	11" Rear	69.00	18Y0625	5" Front	69.00
18SN-300	11" Rear	69.00	18Y0650	5" Front	69.00
18SN-325	11" Rear	69.00	18Y0700	5" Front	69.00
18SN-350	11" Rear	69.00	18Y0750	5" Front	69.00
18SN-375	11" Rear	69.00	18Y0800	5" Front	69.00
18SN-400	11" Rear	93.00	18Y0850	5" Front	69.00
18SN-450	11" Rear	93.00	18Y0900	5" Front	69.00
18SN-475	11" Rear	93.00	18Y0950	5" Front	69.00
18SN-500	11" Rear	93.00	18Y1000	5" Front	69.00
18S-100	13" Rear	69.00	18Y1050	5" Front	69.00
18S-125	13" Rear	69.00	18Y1370	5" Front	93.00
18S-150	13" Rear	69.00	18Y1490	5" Front	93.00
18S-165	13" Rear	69.00	5 1/2" O.D. x 9 1/2" FRONT CONVENTIONAL SPRINGS		
18S-175	13" Rear	69.00	18Z0300	5 1/2" Front	69.00
18S-185	13" Rear	69.00	18Z0350	5 1/2" Front	69.00
18S-200	13" Rear	69.00	18Z0400	5 1/2" Front	69.00
18S-225	13" Rear	69.00	18Z0450	5 1/2" Front	69.00
18S-250	13" Rear	69.00	18Z0500	5 1/2" Front	69.00
18S-275	13" Rear	69.00	18Z0550	5 1/2" Front	69.00
18S-300	13" Rear	69.00	18Z0600	5 1/2" Front	69.00
18S-325	13" Rear	69.00	18Z0650	5 1/2" Front	69.00
18S-350	13" Rear	69.00	18Z0700	5 1/2" Front	69.00
18S-375	13" Rear	69.00	18Z0750	5 1/2" Front	69.00
18SNS-150	15" Rear	75.00	18Z0800	5 1/2" Front	69.00
18SNS-175	15" Rear	75.00	18Z0850	5 1/2" Front	69.00
18SNS-200	15" Rear	75.00	18Z0900	5 1/2" Front	69.00
18SNS-225	15" Rear	75.00	18Z0950	5 1/2" Front	69.00
18SNS-250	15" Rear	75.00	18Z1000	5 1/2" Front	69.00
18SNU-100	16" Rear	NEW! 75.00	18Z1050	5 1/2" Front	69.00
18SNU-125	16" Rear	75.00	18Z1100	5 1/2" Front	69.00
18SNU-150	16" Rear	75.00	18Z1200	5 1/2" Front	93.00
18SNU-175	16" Rear	75.00	18Z1320	5 1/2" Front	93.00
18SNU-200	16" Rear	75.00	18Z1440	5 1/2" Front	93.00
18SNU-225	16" Rear	75.00	7" F.L. x 5" O.D. LINEAR PULL BAR SPRINGS		
18SNU-250	16" Rear	75.00	700PB		68.00
18SNT-80	20" Rear	NEW! 98.00	6.625" F.L. x 5" O.D. LINEAR PULL BAR SPRINGS		
18SNT-100	20" Rear	98.00	1225PB		68.00
18SNT-125	20" Rear	98.00	7" F.L. x 5" O.D. PROGRESSIVE PULL BAR SPRINGS		
18SNT-150	20" Rear	98.00	600-1200		75.00
			800-1600		75.00
			900-1300		75.00

Street Stocks & Stock Appearing

Hyperco offers various specifications of Conventional Rear Springs. (1) One end pigtail / One end closed. (2) Double pigtail. Designed for Stock Appearing classes (black powder coat finish). Available in the following rates:

11" x 5 1/2" O.D. REAR (ONE END PIGTAIL / ONE END CLOSED)

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18SNP11-175	69.00	18SNP11-225	69.00	18SNP11-275	69.00
18SNP11-200	69.00	18SNP11-250	69.00		

12" x 5 1/2" O.D. REAR (ONE END PIGTAIL / ONE END CLOSED)

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18SNP12-175	69.00	18SNP12-225	69.00	18SNP12-275	69.00
18SNP12-200	69.00	18SNP12-250	69.00	18SNP12-300	69.00

14" x 7" O.D. REAR (DOUBLE PIGTAIL ENDS)

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18SDP-175	69.00	18SDP-200	69.00	18SDP-300	69.00
		18SDP-225	69.00		

You can count on Hypercoil quality for your street stock! 5 1/2" O.D. x 12" length and, 5 1/2" O.D. x 11" length. Hyperco stock appearing springs are powder coated black. Available in the following rates:

5 1/2" O.D. x 11" FRONT (ONE END OPEN / ONE END CLOSED & GROUND)

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18Z0800-11	93.00	18Z1000-11	93.00	18Z1200-11	93.00
18Z0900-11	93.00	18Z1100-11	93.00	18Z1300-11	93.00

5 1/2" O.D. x 12" FRONT (ONE END OPEN / ONE END CLOSED & GROUND)

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18Z0800-12	93.00	18Z1000-12	93.00	18Z1200-12	93.00
18Z0900-12	93.00	18Z1100-12	93.00	18Z1300-12	93.00

Formula SAE & 1/4 Midget

All Formula SAE and 1/4 Midget Springs feature the Hyperco OBD "Body Bulge" design to optimize end coil orientation and maximize rate linearity.

4.4" F.L. x 1.45" I.D. FORMULA SAE

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
18FS150	55.00	18FS225	55.00	18FS350	55.00
18FS175	55.00	18FS250	55.00	18FS400	55.00
18FS200	55.00	18FS300	55.00	18FS450	55.00

4.25" F.L. x 1.68" I.D. 1/4 MIDGET

Part #	Racer \$	Part #	Racer \$	Part #	Racer \$
184.25Q075	29.95	184.25Q100	29.95	184.25Q132	29.95
184.25Q080	29.95	184.25Q108	29.95	184.25Q140	29.95
184.25Q087	29.95	184.25Q116	29.95	184.25Q150	29.95
184.25Q094	29.95	184.25Q124	29.95		

Corvette Composite Leaf Springs

Computer designed, track tested and race proven. Hyperco performance-tuned Corvette Composite Leaf Springs enable the serious owner to select the suspension performance level they desire for their car.

Refer to www.hypercoils.com for installation instructions and additional info.

C3 CORVETTE – HIGH PERFORMANCE STREET SERIES

Part #	Racer \$	Part #	Racer \$
12400HPS Rear (Base)	330.00	12413HPS Rear (EZ Ride)	330.00
12414C3S Ride Height Adjuster	60.00		

C4 CORVETTE – HIGH PERFORMANCE STREET SERIES

Part #	Racer \$	Part #	Racer \$
12404HPS Rear (Performance/Track)	430.00		
12411HPS Rear (EZ Ride)	430.00		

C5 CORVETTE – HIGH PERFORMANCE STREET SERIES

Part #	Racer \$	Part #	Racer \$
12406HPS Rear	595.00	12405HPS Front	595.00

C5 CORVETTE – HIGH PERFORMANCE TRACK SERIES

Part #	Racer \$	Part #	Racer \$
12408HPT Rear	595.00	12407HPT Front	595.00

C6 CORVETTE – HIGH PERFORMANCE TRACK SERIES

Part #	Racer \$	Part #	Racer \$
12409HPT Rear (Performance/Track)	595.00	12407HPT Front	595.00

Composite Leaf Springs

Lighter. Stronger. Faster. Hyperco Composite Leaf Springs are manufactured with an epoxy matrix composite material that is 70% lighter than steel, while maintaining extraordinary strength. Refer to www.hypercoils.com for installation instructions and additional info.

CHRYSLER STYLE

Part #	Front Bolt	Rear Bolt	True Arch	Rate	Racer \$
10220	5/8"	1/2"	4.5"	150	320.00
10230	5/8"	1/2"	4.5"	175	320.00
10231	5/8"	1/2"	4.5"	200	320.00
10240	5/8"	1/2"	4.5"	225	320.00

GENERAL MOTORS STYLE

Part #	Front Bolt	Rear Bolt	True Arch	Rate	Racer \$
11338	1/2"	9/16"	4.5"	150	320.00
11340	1/2"	9/16"	4.5"	175	320.00
11342	1/2"	9/16"	4.5"	200	320.00
11344	1/2"	9/16"	4.5"	225	320.00
11348	1/2"	9/16"	4.5"	250	320.00

Composite Leaf Springs

**More Choices. Maximum Travel.
Maximum Performance.**

Hyperco Composite Leaf Springs are significantly lighter than steel (70% on average), retain their design arch (no sagging/chassis inconsistency) and provide more side bite off the corners. Hyperco Composite Leaf Springs provide a cost-effective, high-performance alternative to steel, allowing teams running leaf spring suspension to be consistent race after race without having to measure, monitor and change their spring for loss of arch and sagging.

Available in all popular Chrysler and GM rates for Late Model, Street Stock, Modified and Drag Racing applications.

Also available: Corvette C-3, C-4, C-5 and C-6
Composite Leaf Springs for both
Street and Track applications.

Corvette Spring



Motorsport Spring



Hyperco Winning Wearables!



**Screen Printed
Cotton T-Shirt**
(also available in gray)
\$20.00



Embroidered Cap
\$15.00

**Embroidered
Heavyweight
Cotton
Sweatshirt**
\$30.00





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