

# Hypercoil Springs

## The Ultimate Suspension Coils



Strange Engineering has brought the premier CART/Indy, Formula One and NASCAR spring manufacturer to drag racing. In drag racing, the spring is an intricate component of the suspension. The importance of springs has been ignored by most drag racers; however, you will find that the winningest racers spend an immense amount of time adjusting and tuning their suspension to obtain an advantage. To receive the best performance from a shock set-up, the spring must be able to work in harmony with the suspension.

**Question: What makes Hypercoils better than the rest?**

**Answer:** All coils look similar but there are tremendous differences not apparent or visible to the naked eye. Hyperco drag racing springs are cold-wound from pre-heat treated SAE 9254 chrome silicon wire. Optimum wire diameter is selected for the individual design- without compromise. After coiling, the closed ends are ground, and the spring is thermally stress relieved, pre-set and shot-peened. Completed springs are magnafluxed, inspected, epoxy powder coated and checked for dimensions, trueness and rate. Hyperco then tests each coil for actual rate and etches the rate permanently into the spring. Hypercoils strict manufacturing tolerances assure the racer of springs within a tolerance range of +/- 2%- most being within 1%!

**Question: My drag racing car is not an Indy or NASCAR. I don't measure my chassis set-up within five or ten thousandths, so aren't other standard chrome silicon springs good enough?**

**Answer:** The dominant chassis in drag racing are designed and manufactured by professional race car builders. Because these chassis are for sale to all competitors it makes it difficult to have a significant advantage in the chassis itself. Increasingly the advantages are in the details and the components selected for the chassis. Suspension set-up/components are an area all top competitors and builders exploit as a performance advantage. Hypercoils are consistent through travel and maintain the desired ride height, allowing for optimization of shock/strut tuning. To gain an edge, high quality, consistent suspension coils are essential.

**Question: My budget springs will lose free length for a while, then they seem to stabilize.**

**Answer:** Are you sure they have stabilized? When do you know they have stabilized? Do they ever really stabilize? With the competition in every category of today's Drag Racing, who can afford to waste time guessing what inferior springs are going to do? Even if your budget springs were supplied to you free of charge, they could not be worth the real cost associated with compromising your cars 1/4 mile performance.