The Preferred Global Supplier of Spring Solutions for Automotive Applications

Custom Springs for Automotive & Transportation Applications Produced Fast

Bring your concept to life with custom spring solutions by Vulcan Spring. With extensive experience working globally with Tier 1, Tier 2, and other sub-suppliers, we partner with your engineers, contract manufacturers, and designers to aid in the critical design and production for basic models, as well as the highest trim levels. Whether using a rotary damper or not, our engineers will work with your team to optimize the spring and the design for your specific application.

Certified to international quality standards and verified through extensive testing and measurement, we have the capability, experience, and bandwidth to custom-build your spring designs with short lead times.

How Our Springs Accommodate Auto & Transportation

- Made with the precision required for optimal function of your product
- Provide strong force or torque output, even in small spaces
- Can accommodate high-volume production
- Can assist with development to ensure optimal design and function prior to manufacturing
- Can provide linear force or rotational torque as a custom or stock product

Most Common Uses

- Cup Holders
- Glove Boxes
- Shifter Covers
- Console Sliding Mechanisms
- Seat Belt Retractors
- Entertainment Bins
- Electric Motor Brush Springs
Constant Force Springs

Conforce® Springs, also known in the automotive industry as tape springs, feature a small package size and flat force profile making them ideal for the small spaces and compartments in a vehicle. These springs are often designed for console lids, cup holders and glove compartments that require a slow open and close motion.

Wire Forms and Round Wire Springs

Wire Forms and Round Wire Springs are highly versatile and can be used in various areas of a vehicle. From the center console and overhead storage, to glove compartments, handles, latches and even seats and controls. Wire Forms and Round Wire Springs are a tried and true solution for making the features in a vehicle work just right.

Power Springs

Power Springs are commonly used for seatbelts. With smooth winding and retracting ability, Power Springs have the ability to provide sleek, safe and functional solutions in any vehicle.

Spiral Torsion Springs

Spiral Torsion Springs are used as an alternative to Helical Torsion Springs for their small size and narrow profile. These features make Spiral Torsion Springs ideal for car seats, side mirrors and center consoles.

About Vulcan Spring

Vulcan Spring is the preferred global supplier of low- and high-volume spring solutions, headquartered in Telford, Pennsylvania. With innovative machinery, tooling and engineering, we can deliver a spring solution for even the most challenging applications. For industrial or POP displays and beyond, we’re equipped for quality, industry-leading spring production and assembly, all while promising to make your experience from concept to delivery as easy as possible.