

SPIROL®

HIGH-PERFORMANCE SOLUTIONS FOR ELECTRIC VEHICLE APPLICATIONS

Compression Limiters and
Threaded Inserts in Charging Stations

Threaded Inserts and Compression Limiters
in Sunroof Assemblies

Solid Pins
in Transmission Valve Body

Coiled Pins
in Trunk Latches

Compression Limiters
in Battery Pack Housings

Coiled Pins
in Seat Adjust Mechanisms

Compression Limiters
and Threaded Inserts in Pedal Boxes

Threaded Inserts
in Door Trims

Coiled Pins and Solid Pins
in Interior Handles

Threaded Inserts
in Headlamp Assemblies

Solid Pins
in Trunk 12V Sockets

Coiled Pins
in "Flick" Key Fob

Solid Pins
in Glovebox Latches

Compression Limiters
in Charging Plugs

Spacers
in Jacks

Solid Pins and Compression Limiters
in Grab Handles

Headed Coiled Pins
in ABS Pumps

Sleeves
in Seat Adjust Handles

Spacers
in Chassis Frame Bracket

Threaded Inserts
in Bumper Mouldings

Coiled Pins
in Drum Brake Assemblies

Coiled Pins in
Steering Columns as Shear Pins

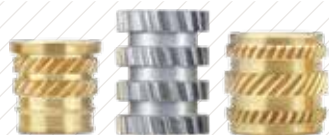
Coiled Pins and Solid Pins
in Exterior Handles

Designing engineered components for the automotive industry since 1948.



Coiled Pins

We offer the widest range of Coiled Pins to ISO 8750, ASME B18.8.2 and other standards, in various duties, materials and finishes. In addition to standard Coiled Pins, we offer special Headed, Flared, Extra Light Duty and Superflex Coiled Pins suited to your diverse assembly requirements.



Threaded Inserts

Our Heat/Ultrasonic, Press-In, and Moulded-In Inserts provide performance and integrity to the assembly and fastening of all types of plastic components for demanding automotive applications.



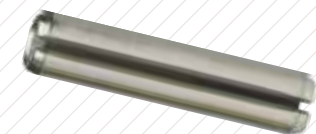
Alignment Dowels & Bushings

Hollow design permits a fastening screw or bolt to pass through the inside diameter eliminating the need to drill a separate hole. Ground Hollow Dowels are used where centreline tolerancing and precision alignment are required. They are designed to be direct replacements for standard Ground Solid Dowels per ISO 8734.



Compression Limiters

We manufacture nine standard series of Compression Limiters designed to protect the plastic components of your assembly from the compressive loads generated by the tightening of bolts. We offer a broad standard range and the ability to provide specials on demand.



Slotted Pins

SPIROL produces ISO 8752 Slotted Pins, as well as non-interlocking ASME B18.8.2 and ASME 18.8.4M Type B Slotted Pins having relatively higher shear strengths. Standards are available from stock. Specials for volume applications are available.



Solid Pins

Specifying SPIROL Solid Pins provides the lowest cost and the most responsive delivery. Tooling and raw material are available to meet your production requirements for all standard parts. Standards include SPIROL Straight Pins, Knurled Pins, Headed Pins and Headed Knurled Pins.

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Please refer to www.SPIROL.co.uk for current specifications and standard product offerings.