

# SPIROL®

HIGH-PERFORMANCE AUTOMOTIVE KEY FOB SECURITY PINS

## SPIROL® Series 100 Coiled Spring Pins

Designed specifically to secure the key to the fob to improve productivity, security and reduce cost.

### Advantages

#### Increased productivity

- 100% sorted
- 100% cleanliness

#### Easy, trouble free assembly

- Symmetrical
- Swaged chamfers - no galling in soft materials
- Ease of insertion

#### Simplified logistics

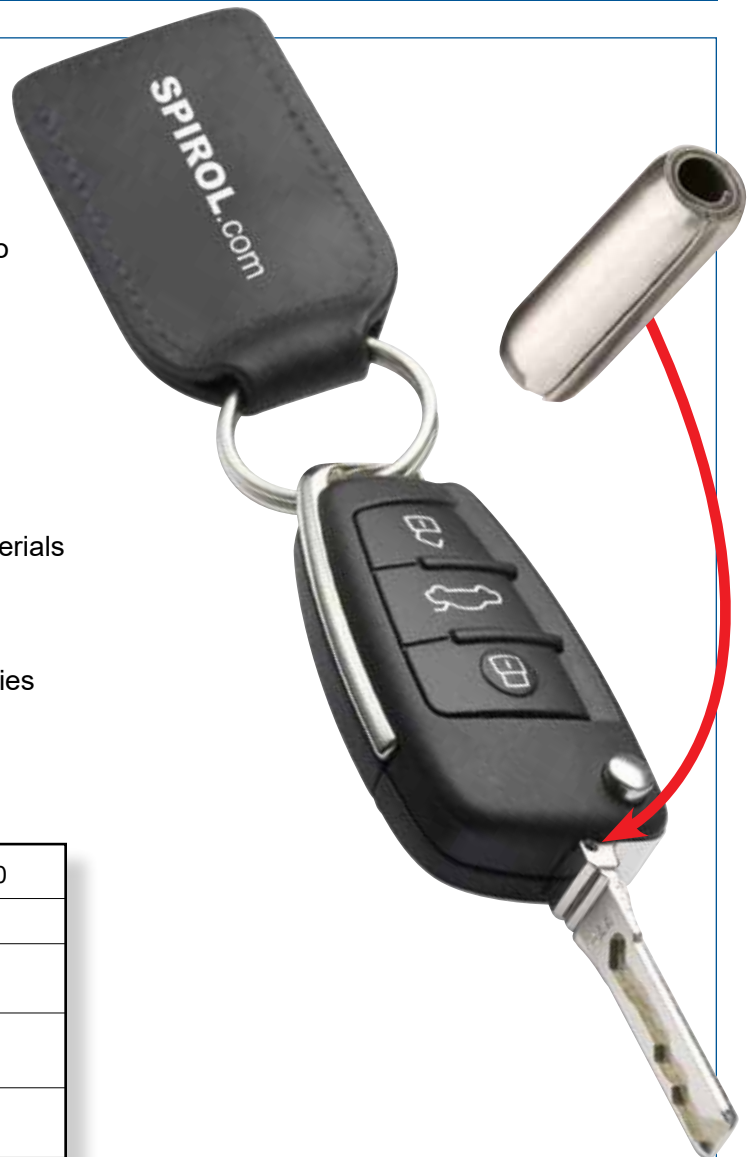
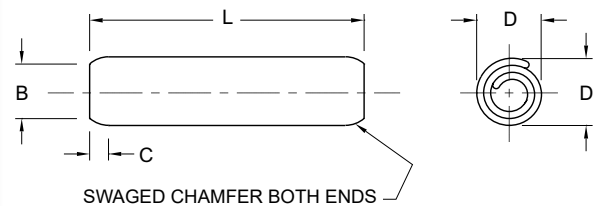
- Global supply
- Available from stock or scheduled deliveries

#### Automated installation equipment available

#### Local SPIROL engineering support

### DIMENSIONAL DATA — METRIC

Product ID	183279	183280
Nominal Diameter	1.5	2.0
Diameter D	Max. 1.73 Min. 1.62	Max. 2.25 Min. 2.13
Chamfer B Dia	Max. 1.4	Max. 1.9
C Length Ref.	0.5	0.7
Min. Double Shear Strength kN	1.45	2.5
Length +/- 0.25	8.0	8.0
Recommended Hole Size	1.5/1.6	2.0/2.1
Material	High carbon steel	
Finish	Dry-to-touch oil	



**To Order:** Product ID, Product, Nominal Diameter x Length, Series Number

**Example:** 183279 CLDP 1.5 x 8 SER100





**Innovative fastening solutions.  
Lower assembly costs.**

## Technical Centers

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**SPIROL.com**



**Coiled Spring Pins**



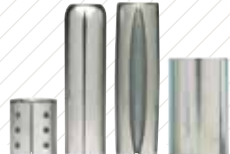
**Slotted Spring Pins**



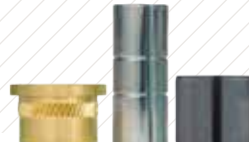
**Solid Pins**



**Alignment Dowels /  
Bushings**



**Spacers & Rolled  
Tubular Components**



**Compression  
Limiters**



**Threaded Inserts  
for Plastics**



**Railroad Nuts**



**Disc Springs**



**Precision Shims &  
Thin Metal Stampings**



**Precision Washers**



**Parts Feeding  
Technology**



**Pin Installation  
Technology**



**Insert Installation  
Technology**



**Compression Limiter  
Installation Technology**

Please refer to [www.SPIROL.com](http://www.SPIROL.com) for current specifications and standard product offerings.

SPIROL offers complimentary Application Engineering support! We will assist on new designs as well as help resolve issues, and recommend cost savings on existing designs. Let us help by visiting **Application Engineering Services** on **SPIROL.com**.