SPIROL®

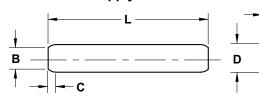
COILED SPRING PINS FOR TRANSMISSION ASSEMBLIES

SPIROL® Series 102 Coiled Spring Pins

Invented by **SPIROL** in 1948, Coiled Pins offer proven performance at the lowest installed cost. Coiled Pins are designed to absorb shock and vibration, and unlike other Spring Pins with slots, do not have any fatigue areas. They are available in standard and heavy duty to enable the designer to choose the optimum combination of strength, flexibility and diameter to suit different host materials and application requirements. All Series 102 Pins are 100% dimensionally controlled to provide consistency during assembly.

Advantages

- · Absorbs shock and vibration
- Non-interlocking
- Symmetrical
- 100% dimensional control
- Easy, trouble free assembly
- · Ideal for automated installation
- Global supply



DIMENSIONAL DATA

		Standard Duty		Heavy Duty	
Nominal Diameter		5	6	5	6
Diameter D	Max.	5.50	6.50	5.35	6.40
	Min.	5.25	6.25	5.15	6.18
Chamfer B	Max.	4.85	5.85	4.85	5.85
Recommended	Max.	5.12	6.15	5.12	6.15
Hole Size	Min.	5.00	6.00	5.00	6.00
Min Double Shear Strength kN		15	22	20	30
Material		UNS G10700 / G10740 C67S (1.1231) / C75S (1.1248)			
Finish		Plain, Oiled			
Lengths +/- 0.5	28, 30, 32, 35				

To Order: Product, Nominal Diameter x Length, Duty / Material / Finish, Series

Examples: CLDP 5 x 32 MBK SER102 CLDP 6 x 28 HBK SER102

Installation equipment and application engineering support available

STANDARD DUTY

HEAVY

DUTY

(see back for more information)



ENGINEERED FASTENING SOLUTIONS FOR ENGINE TRANSMISSION APPLICATIONS

as Retaining Pins in Oil Control Valves

Coiled Pins as Valve Body Locating Pins

Thrust Washers on Input and Output Shaft

Coiled Pins

Coiled Pins as Stop Pins in Solenoid Valves

Coiled Pins as Valve Body Retaining Pins

as Stop Pins in Clutch Actuators

Ground Hollow Dowels in

Coiled Pins

Transmission Housing Alignment

as Alignment Pins in Solenoid Body Alignment

in Electrical Harnesses

Model CR Pin Inserter

for installing Coiled Pins into Electrical Connectors

Compression Limiters

Coiled Pins and Slotted Pins

in Pinning Shafts

Coiled Pins in Shifter Mechanisms

Thrust Washers on Intermediate Shaft

Compression **Limiters in Fastening** Solenoid Body

Dowel Bushings in Oil Pump Assembly

Dowel Bushings in

Clutch Actuator Alignment

Model CR Pin Inserter for installing Coiled Pins into Solenoid Valves

on Front and Rear Servos Dowel Bushings in

Threaded Inserts in Shifter Bases

Transmission Body Mount

Thrust Washers

Coiled Pins

Compression Limiters

in Shifter Mounts



TOTAL ASSEMBLY SOLUTIONS

Manual, semi-automatic, to fully automatic equipment designed and manufactured by **SPIROL**. Custom fixtures for your application requirements are available. Options such as rotary index tables, pin sensing, force monitoring, and drilling & pinning combinations can be added for enhanced productivity and heightened error-proofing.

APPLICATION ENGINEERING SUPPORT

Through partnering with companies in the design stage, **SPIROL** not only helps design the engineered component used for fastening and joining, but we also make the critical recommendations for the interface between our product and vour assembly.

Contact Us

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