

# SPIROL®

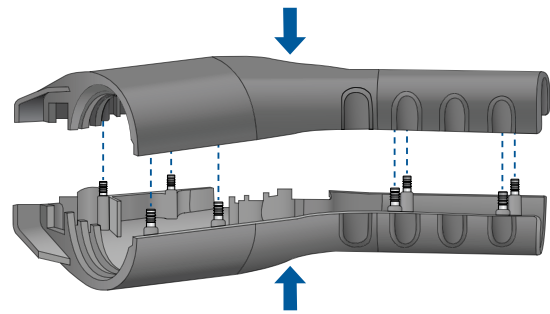
## PRESS-N-LOK™ PINS FOR PLASTICS

### SPIROL® Series BP100 Press-N-Lok™ Pins

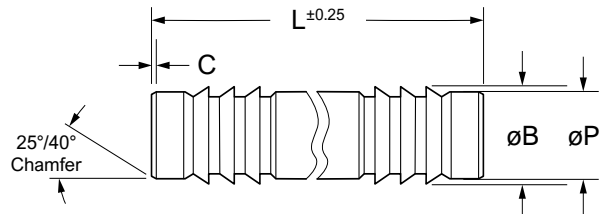
**Press-N-Lok™ Pins** were designed to permanently retain two plastic components to each other. The raised barbs are angled backwards on the pin, opposite the direction of insertion. Press-N-Lok™ Pins are installed in two stages: First, press the pins into one half of the plastic housing. Next, align the other half of the housing with the exposed pins and press into place. During installation, the plastic will backfill into the area around the barbs resulting in maximum resistance to axial force. Make assembly simple and quick; just Press-N-Lok™!

#### Advantages

- Permanent / tamper resistant
- Simple & clean installation
- Lightweight & **lead free**
- Corrosion resistant
- Quicker assembly time and lower assembly equipment costs compared to screws and adhesives
- Hidden within the final assembly



**Application Example:**  
Press-N-Lok™ Pins in an Electric Vehicle Charging Handle



#### DIMENSIONAL DATA — METRIC

Nominal Diameter	Pilot Diameter "P"		Barb Diameter "B"		Barb Count (per side) #	Chamfer Length "C" Min.	Pin Length "L"	Recommended Hole Size	
	Min.	Max.	Min.	Max.				Min.	Max.
2	1.90	2.00	2.25	2.40	2	0.15	8	2.00	2.10
							12		
							16		
3	2.90	3.00	3.25	3.40	3	0.20	12	3.00	3.10
							18		
							24		
4	3.90	4.00	4.25	4.40	4	0.30	16	4.00	4.10
							24		
							32		

**STANDARD MATERIAL** A Aluminum      **STANDARD FINISH** K Plain

- Other lengths available upon request
- Available to order in nickel stainless steel

**To Order:** SLDP (Pin Size)x(Length)(Material)(Finish)(Series)  
**Example:** SLDP 3 x 12 AK BP100

**Contact SPIROL for Design Assistance!**  
[www.SPIROL.com/technical-support](http://www.SPIROL.com/technical-support)





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

## Technical Centers

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**Coiled Spring Pins**



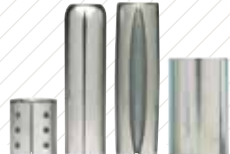
**Slotted Spring Pins**



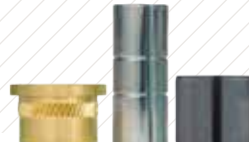
**Solid Pins**



**Alignment Dowels /  
Bushings**



**Spacers & Rolled  
Tubular Components**



**Compression  
Limiters**



**Threaded Inserts  
for Plastics**



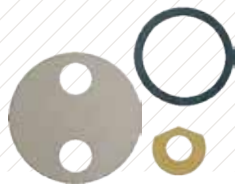
**Railroad Nuts**



**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**.