

# SPIROL®

## TWIST-LOK™ PINS

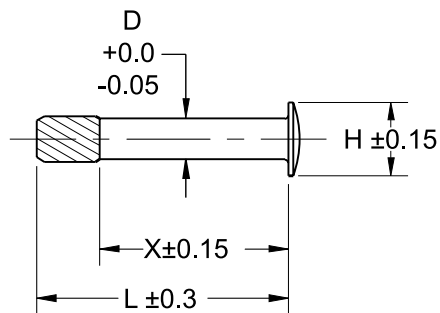
### SPIROL® Series RH600 Pins

Series RH600 Twist-Lok™ Pins replace costly screw machined pins and eliminate problematic installation of screws and rivets.

The helical knurl minimizes stress during installation by rotating as it engages the hinge.

Corrosion-resistant material and a rounded burr-free head improve installed appearance.

Axial and radial forces induced in the hinge eliminate the tendency for the pin to creep and maintain hinge tension.

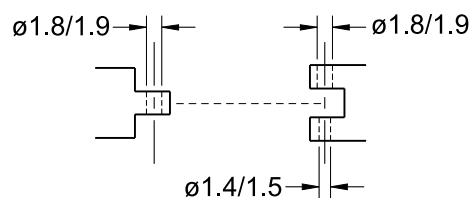


#### DIMENSIONAL DATA — METRIC

Diameter D	Head Diameter H	Length L	Length X
1.60	2.85	6	4.5
		8	6
		10	7.5

**STANDARD MATERIAL:**  
Nickel Silver UNS C75200 / CuNi18Zn20 (N)

#### RECOMMENDED HOLE SIZE



Series RH600 Twist-Lok™ Pins are made to order.

C75200 Nickel Silver is a copper alloy that is used for lightly loaded applications where cosmetic finish and corrosion resistance are important. This material is easy to work with, has a bright silver finish and is a cost effective alternative to austenitic stainless steel or plating.

**To Order:** SLDP (Pin Size)x(Length)(Material)(Finish)(Pin Series Number)  
**Example:** SLDP 1.60 x 8 NK RH600

Contact **SPIROL** for  
Design Assistance!

[www.SPIROL.com/s/solidpindesign/](http://www.SPIROL.com/s/solidpindesign/)



# Model SG

## Semi-Automatic Dual Pin Inserter

Geared to the Safety Glasses industry, this time tested, proven reliable machine installs a self-locking pin developed by SPIROL into the assembly. The innovative **Twist-Lok™ Pin** replaces commonly used threaded screws as the hinge pins in the temples of the glasses. Screws are generally known to be more expensive, difficult to install, and subject to working their way out of the holes. The pins are simply pressed into the holes, and they create a tight hinge connection that will not work itself loose over time.

The machine is lightweight, portable, low-cost and features simple head center distance adjustment to accommodate different width glasses.

### Design Features/Benefits:

- Accurate:** - Fine insertion depth adjustment
- Reliable:** - Integral pneumatic valve activation with fixture locking device
- Simple:** - Maintenance-free pneumatic logic controls
- Customizable:** - Custom fixture design for accurate placement of parts and precision alignment of multiple component assemblies
- Versatile:** - Feeds multiple lengths of Twist-Lok™ Pins with no adjustment required
- Adaptable:** - Easy adjustment of centerline distances to accommodate different applications



*Optional alignment fixtures available.*

### Simple Operation:

1. Place Safety Glass lens frame and temples into fixture
2. Push fixture forward to activate machine
3. Pin Inserter simultaneously installs two Twist-Lok™ Pins
4. Withdraw fixture and unload the finished assembly



**Application Study: Safety Eyewear**

**Series RH600 Twist-Lok™ Pins and Model SG Dual Pin Inserter**

*Read how these products increased the rate of assembly by 400%, eliminated screw walk-out, and improved the safety eyewear's appearance and function.*

<http://www.spirol.com/company/products/applications.php>

**Manual and other automated machines are also available from SPIROL.**

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

**SPIROL** Application Engineers will review your application needs and work with you to recommend the optimum solution. One way to start the process is to visit our **Optimal Application Engineering** portal at [SPIROL.co.uk](http://SPIROL.co.uk).