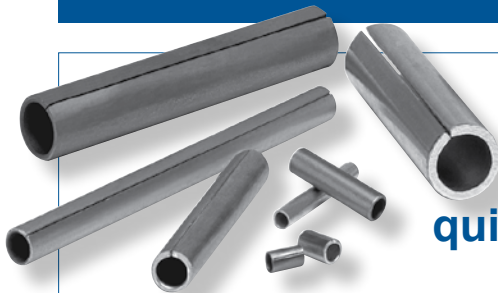


# SPIROL®

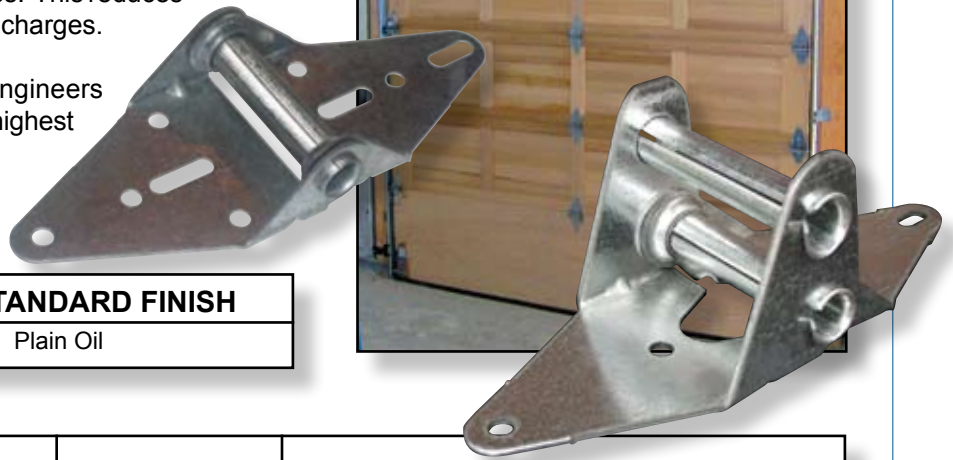
## GARAGE DOOR SPACERS



Design-in **SPIROL's** corrosion-resistant Garage Door Spacers for the lowest cost, quick turnaround time, and improved quality.

### SPIROL Standard Galvanized Steel Spacers

- Corrosion-resistant, lightweight and durable, these spacers cost less than cutoff tubing and plated parts.
- We shorten lead times through standardization of dimensions, standard raw material procurement, and the use of production machinery dedicated to standard sizes. This reduces costly setups and eliminates tooling charges.
- **SPIROL's** in-house application engineers consider your entire assembly for the highest quality at the lowest installed cost.



STANDARD MATERIAL	STANDARD FINISH
<b>G</b> Galvanized Steel	<b>K</b> Plain Oil

### INCH SPECIFICATIONS

Nominal Bolt Size	ID		OD	Thickness	Lengths (as produced)						
	Min.	Max.	Ref.		1.00	1.25	1.50	1.75	2.00	2.50	3.00
0.437	0.463	0.483	0.563	0.039, 0.045, 0.071	1.00	1.25	1.50	1.75	2.00	2.50	3.00

- Refer to **SPIROL Spacers and Tubular Products** catalog to view our wide variety of standard spacer sizes for any of your spacer needs.
- Intermediate lengths, longer lengths and customized spacers for specific applications available upon request and feasibility review.

### Save Money —

Reduce component costs...  
We guarantee the lowest competitive pricing.

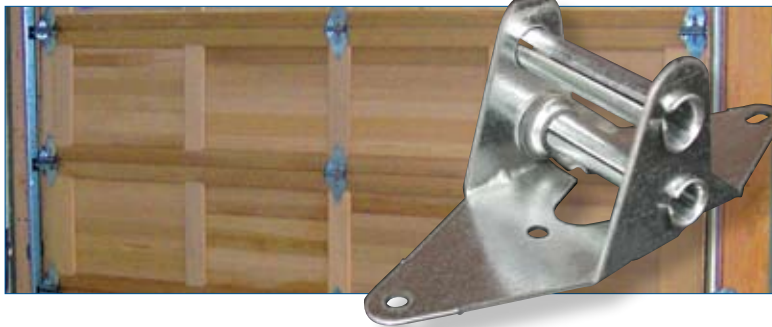
### Save Time —

Cut long lead times...  
Experience excellent delivery performance.

Make our Standards your Standards.  
Design-in **SPIROL** Garage Door Spacers



## Application Engineering



### Application:

An OEM was manufacturing a complete assembly of a garage door hinge. They were using press technology to perform the stamping and another to create the butted seam Spacer. This type of manufacturing allowed a production of these Spacers to reach upwards of 150 pieces per minute. For years this method proved to be sufficient and cost effective, but demands grew higher, and decisions needed to be made. New fixtures and necessary maintenance was proposed at over \$18,000. An additional press was also being investigated to handle the increased volume. Along with the expense of this new machinery, limited floor space was presenting another obstacle.

At the same time, the customer was approached by **SPIROL** to present their standard roll formed Spacers. An application engineering review was opened immediately to determine if our "lowest cost solution" would work.

### Solution:

Upon testing and review, the Spacer for this application was one of **SPIROL**'s 30,000 standard-off-the-shelf products. By utilizing our proprietary roll forming technology, over 300 Spacers could be made per minute. This was double the customer's production rate, therefore, the unit price was much lower than their in-house manufactured parts. By switching to our standard Spacers, the customer benefited from readily available stock, extra savings through mass material buys, and no need to invest in capital for the in-house manufacturing of Spacers.

**SPIROL**'s value originated from the roll forming process where parts are fabricated from strip steel with no scrap or shavings. For over 60 years we have made our Engineering Department available to work with you to find the common goal of lowest installed cost.

## Challenge Us!

**SPIROL** Application Engineers will review your application needs and work with your design team to recommend the best solution. One way to start the process is to select **Spacing Applications** in our **Optimal Application Engineering** portal at [www.SPIROL.com](http://www.SPIROL.com).

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