

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
G Galvanized Steel	K 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.

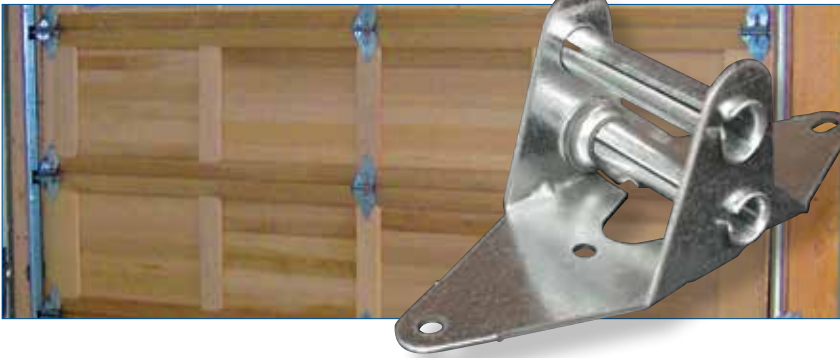
Save Money —

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:

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.

Complimentary Application Engineering Support!



SPIROL Application Engineers will review your application needs and work with your design team to recommend the best solution. Please visit www.SPIROL.ca or scan the QR Code to get started.

Technical Centres

Americas SPIROL Canada
3103 St. Etienne Boulevard
Windsor, Ontario N8W 5B1 Canada
Tel. +1 519 974 3334
Fax. +1 519 974 6550

SPIROL International Corporation
30 Rock Avenue
Danielson, Connecticut 06239 U.S.A.
Tel. +1 860 774 8571
Fax. +1 860 774 2048

SPIROL Shim Division
321 Remington Road
Stow, Ohio 44224 U.S.A.
Tel. +1 330 920 3655
Fax. +1 330 920 3659

SPIROL Mexico
Avenida Avante #250
Parque Industrial Avante Apodaca
Apodaca, N.L. 66607 Mexico
Tel. +52 81 8385 4390
Fax. +52 81 8385 4391

SPIROL Brazil
Rua Mafalda Barnabé Soliane, 134
Comercial Vitória Martini, Distrito Industrial
CEP 13347-610, Indaiatuba, SP, Brazil
Tel. +55 19 3936 2701
Fax. +55 19 3936 7121

Europe SPIROL United Kingdom
17 Princewood Road
Corby, Northants
NN17 4ET United Kingdom
Tel: +44 (0) 1536 444800
Fax: +44 (0) 1536 203415

SPIROL France
Cité de l'Automobile ZAC Croix Blandin
18 Rue Léna Bernstein
51100 Reims, France
Tel: +33 (0) 3 26 36 31 42
Fax: +33 (0) 3 26 09 19 76

SPIROL Germany
Ottostr. 4
80333 Munich, Germany
Tel: +49 (0) 89 4 111 905 71
Fax: +49 (0) 89 4 111 905 72

SPIROL Spain
Plantes 3 i 4
Gran Via de Carles III, 84
08028, Barcelona, Spain
Tel/Fax: +34 932 71 64 28

SPIROL Czech Republic
Evropská 2588 / 33a
160 00 Prague 6-Dejvice
Czech Republic
Tel: +420 226 218 935

SPIROL Poland
ul. Solec 38 lok. 10
00-394, Warsaw, Poland
Tel. +48 510 039 345

Asia Pacific SPIROL Asia Headquarters
1st Floor, Building 22, Plot D9, District D
No. 122 HeDan Road
Wai Gao Qiao Free Trade Zone
Shanghai, China 200131
Tel: +86 (0) 21 5046-1451
Fax: +86 (0) 21 5046-1540

SPIROL Korea
16th Floor, 396 Seocho-daero,
Seocho-gu, Seoul, 06619, South Korea
Tel: +82 (0) 10 9429 1451

e-mail: info-ca@spirol.com