

TCH Gas Spring Design Form

In order to save time, and ensure the perfect match for your application, please fill out this form and **fax to 416-299-3255**. If you have any questions, please call 800-465-6281, and a TCH Customer Service Representative will be happy to assist you. Please see the TCH Hardware Catalog for part numbers, lifting forces, fittings, and mounting options.

1. Company: _____
2. Your Name: _____
3. Your Position: _____
4. Address: _____

5. Telephone: _____
6. Fax: _____
7. Description of Application (Environment, No. of Cycles):

 Existing Application
 New Application (see reverse)

8. Mounting Restrictions (also see back): _____

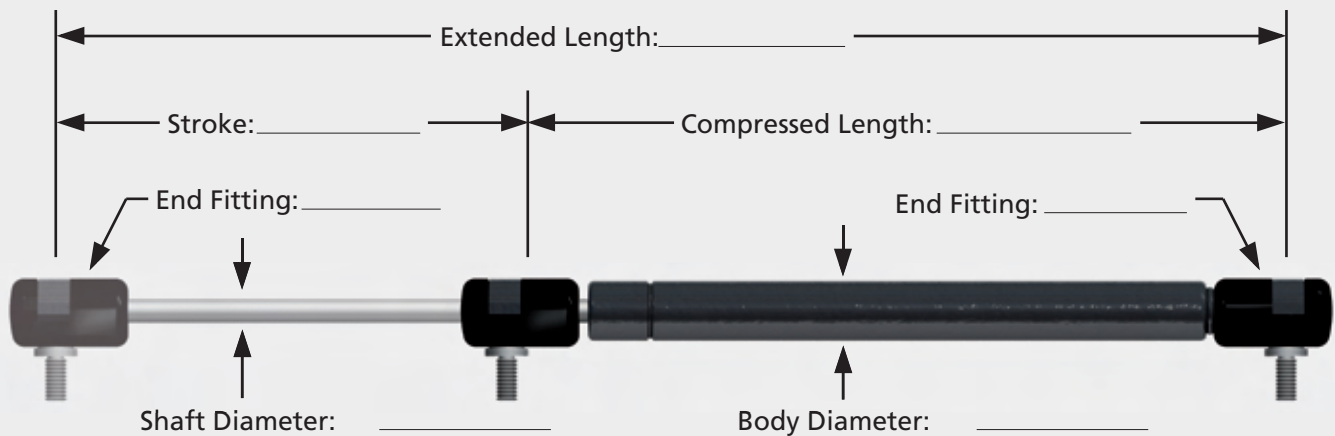
9. Specify End Fittings, Mounting Brackets, or Studs Required:

10. Action (check all that apply):
 Hold Open Hold Closed Assist in Opening
 Auto Rise Auto Rise After _____ Degrees
 Positive Lock in Open Position
 Counterbalance, Stop in Numerous Positions
11. Estimated Annual Quantity: _____
12. Comments: _____

Please provide any available information below.

FAX to 416-299-3255

Competitor's Part No.: _____ P1 Pressure: _____



www.tchweb.com
info@tchweb.com

BUFFALO

TCH
1370 William Street, Suite 4
Buffalo, NY 14206 USA
(716) 892-4302 fax

DALLAS

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10552 King William Drive
Dallas, TX 75220 USA
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TORONTO

TCH
40 Emblem Court
Toronto, ON M1S 1B1 Canada
(416) 299-3255 fax

Order Toll Free

800.465.6281

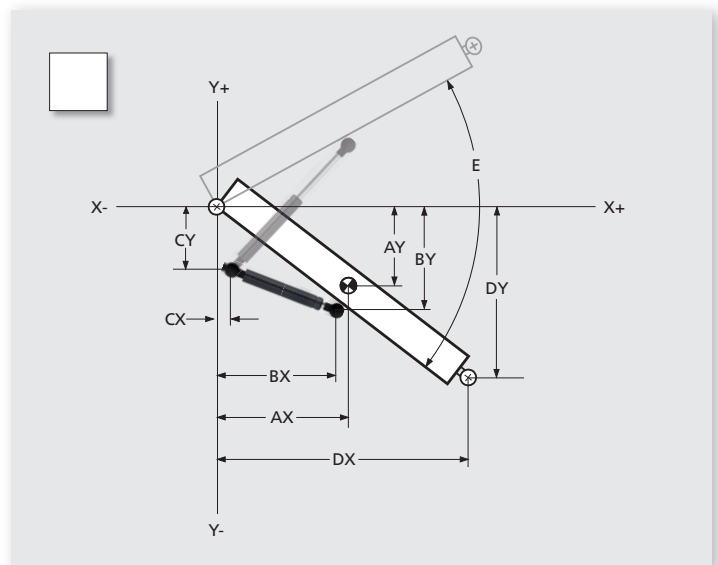
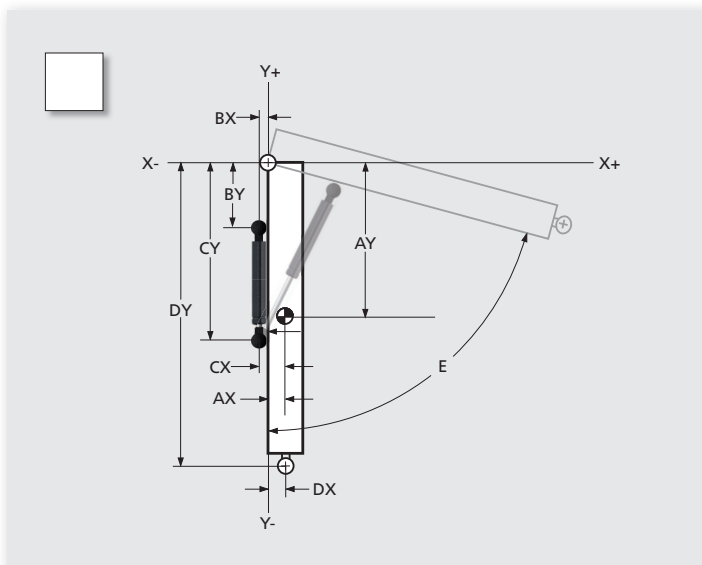
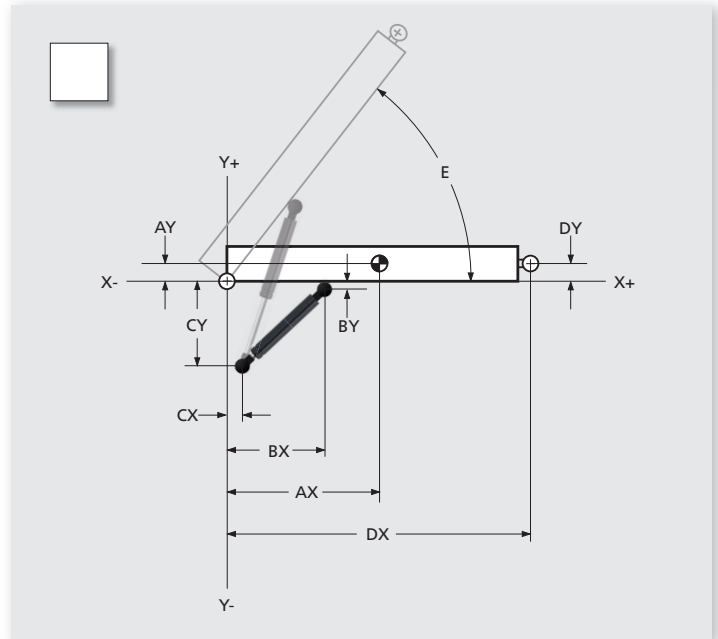
USA or Canada

Typical Mounting Methods. Check the box indicating the configuration closest to your application. Fill out both sides and fax to us.

Spring Calculation Data

	X	Y
Center of Hinge Point	0.00	0.00
Center of Gravity with Door Closed *	A	
Spring Mounting Point on Door	B	
Spring Mounting Point at Base	C	
Handle Position (when closed) *	D	
Opening Angle *	E	Degrees
Weight of Door *		lbs.
Handle Force Required to Open Door		lbs.
Handle Force Required to Close Door		lbs.
Door Width		in.
Door Depth		in.
Door Thickness		in.
Number of Springs Required		

* Required data, or a detailed sketch may also be provided.



TCH Part Numbering System

530 - **C** **SSSS** **D** **FFF** **EE**

Gas Springs Product Group (3 digits) Finish (1 digit) Stroke (3-4 digits) Rod & Tube Diameter (1 digit) Force (2-3 digits) End Fitting (1-2 digits)

Product Group		Finishes		Stroke		Rod and Tube Diameter		Force		End Fitting	
Code	Finish	inch (mm)	Code	Rod Dia.	Cylinder Dia.	lbs (N)	Code	Fitting	Code	Fitting	
530	C Chrome	3.15 (80)	A	0.24 (6mm)	0.59 (15mm)	20 (90)	A	3251			
	N Black Nitrate	3.50 (89)	B	0.32 (8mm)	0.71 (18mm)	30 (134)	B	1307			
	S Stainless	5.0 (127)	C	1.39 (10mm)	0.83 (21mm)	40 (178)	C	1351			
		6.0 (153)	D	0.55 (14mm)	1.06 (27mm)	45 (200)	D	3252			
		7.0 (178)		Custom Available		60 (267)	E	3151			
		8.0 (203)				80 (356)	F	1145			
		Custom Available				90 (400)	G	1304			
						100 (445)	H	7525			
						Custom Available	J	P313			
							U	U631			
							V	U601			
								Custom Available			

Tube Connector Rod Connector

Name: _____

Phone #: _____