

## The Original Gas Charged Lift Support...



### The manufacturer does make a difference!

StrongArm® meets or exceeds all original equipment manufacturer quality standards. There's not a lift support on the market today that can surpass StrongArm's standard of excellence for safety, technology, versatility, and ease of installation.



### Replacement is a safety issue.

When failed lift supports can no longer support a hood, cover or lid, a dangerous condition can exist leading to serious injury. The StrongArm® lift support is designed to quickly and easily replace the failed unit, restoring the application to its' original condition.



### StrongArm® provides versatility.

Gas Charged Lift Supports can be used on anything that has a hinge, and can be applied in applications that don't currently have a lift support. Our specially engineered families of lift supports, along with the adaptable hardware offerings, provide a solution for all of your lift support needs. If you can't find what you need, you can call us toll free @ 1-800-790-Lift (5438).



# STRONGARM®

## GAS CHARGED LIFT SUPPORTS

Gas Springs



Mounting Hardware



Universal Brackets



## Specification Guide

### MULTI-PURPOSE SOLUTIONS

- Camper Shell Windows
- Canopies/Awnings
- Computer/Printer Covers
- Farm Machinery
- Garbage Containers
- Golf Carts
- Grills/Smokers
- Marine Hatches
- Overhead Bins
- RV-Windows/Doors
- Storage Containers
- Tanning Beds
- Tool Boxes
- Toy Boxes/Piano Benches
- Truck Tonneau Covers
- Utility Vehicles



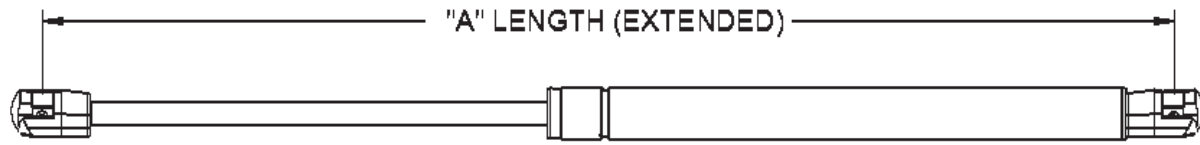
- Safe & Secure
- Easy to Install
- Works Like New

**STRONGARM®**  
GAS CHARGED LIFT SUPPORTS

Call our Technical Support Line @ 1-800-790-LIFT  
AVM, Industries • P.O. Box 729, Highway 76E • Marion, SC 29571

# Selecting the Correct Gas Spring

## Select the Extended Length of the Gas Spring



- Measure your existing gas spring from the center point of each end fitting – “A”
- Identify the connector type (eyelet/ball socket).
- Capture all markings on tube; specially noting pressure which is identified as xxx#'s or xxxN.
- Conversion from Newtons “N” to pounds “#” is (xxxN/4.45).
- Select part number that most closely matches information from specification chart, page 3.

### What if you are missing some key information?

- Identify application type: *tool box, truck cap, tonneau cover, sunbed, boat hatch, RV, etc.*
- Identify the brand of application: *Delta, Lear, Snug Top, Spectrum, Bayliner, Fleetwood, etc.*
- Call AVM Technical Support Line @ 1-800-790-LIFT (5438).

### MPS hardware completes the job.

- Designed with multiple attachment holes, and slotted mounting grooves
- Mix and match – perfect for new and retrofit applications
- Heavy gauge steel provides secure installation
- Can be purchased with or without lift supports

### What makes StrongArm universal different?

- We have custom designed our parts to fit a range of lengths and pressures that maximize the efficiency of each size range; there is no need to have an exact match to an existing part.
- Choose a group size that most closely matches the length of your existing part number.
- Choose a pressure that is rounded up to the next pressure offering.
- Choose a connector that resembles your current connector type.

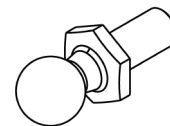
### Important facts to remember:

- Gas springs can not always be compressed by hand.
- Replace in pairs where applicable.
- Install new lift supports in the same orientation as the ones being replaced.

#### Brackets

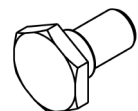


#### Ball Stud Kits



Ball stud kits; includes nuts and washers in two sizes 10 mm & 13 mm SA3000, SA3001

#### Shoulder Stud Kits



Shoulder stud kits; include nuts and washers SA3002

# Specification Chart



Strong Arm P/N	Force Pounds	Rod EF	Tube EF
<b>Group 7- Replaces Gas Springs with an Extended Length of 7.0" to 8.0"</b>			
4053	20-29	A	A
4054	30-39	A	A
4055	40-49	A	A
4056	60-69	A	A
6914	75-89	A	A
<b>Group 10A- Replaces Gas Springs with an Extended Length of 9.5" to 10.5"</b>			
4057	20-29	A	A
4058	30-39	A	A
6915	40-49	A	A
4059	50-59	A	A
4060	60-69	A	A
6916	75-89	A	A
4061	95-109	A	A
4062	115-130	A	A
<b>Group 10B- Replaces Gas Springs with an Extended Length of 9.5" to 10.5"</b>			
4671	20-29	B	B
4036	35-44	B	B
4672	45-54	B	B
4037	55-64	B	B
4673	65-74	B	B
4038	75-84	B	B
4674	85-94	B	B
4039	95-104	B	B
4698	105-114	B	B
<b>Group 11- Replaces Gas Springs with an Extended Length of 10.5" to 11.5"</b>			
6917	20-29	A	A
6918	30-39	A	A
6919	65-79	A	A
<b>Group 12- Replaces Gas Springs with an Extended Length of 11.5" to 12.5"</b>			
4420	25-34	A	A
4040	35-45	A	A
4488	55-64	A	A
4511	65-74	A	A
4041	75-84	A	A
4512	85-99	A	A
4042	100-114	A	A
<b>Group 13- Replaces Gas Springs with an Extended Length of 12.5" to 13.5"</b>			
4125	20-29	A	A
6920	30-39	A	A
4126	50-59	A	A
4127	60-69	A	A
4128	95-109	A	A
4468	110-124	A	A
4129	150-164	A	A
4540	165-179	A	A
<b>Group 14- Replaces Gas Springs with an Extended Length of 13.5" to 14.5"</b>			
4043	20-29	A	A
4419	30-39	A	A
4464	40-49	A	A
4517	60-69	A	A
4683	70-79	A	A
4044	85-94	A	A
4518	95-104	A	A
6922	115-129	A	A
<b>Group 15B- Replaces Gas Springs with an Extended Length of 14.5" to 15.5"</b>			
6923	25-34	B	B

Strong Arm P/N	Force Pounds	Rod EF	Tube EF
<b>Group 15A- Replaces Gas Springs with an Extended Length of 14.5" to 15.5"</b>			
6924	20-29	A	A
6925	30-39	A	A
6926	40-49	A	A
6927	60-69	A	A
6322	80-94	A	A
6928	120-134	A	A
<b>Group 16- Replaces Gas Springs with an Extended Length of 15.5" to 16.5"</b>			
6921	30-39	A	A
6929	60-69	A	A
<b>Group 17- Replaces Gas Springs with an Extended Length of 16.5" to 17.5"</b>			
4423	20-29	A	A
4418	30-39	A	A
4514	45-55	A	A
4482	60-69	A	A
6931	80-89	A	A
4515	90-99	A	A
4516	115-124	A	A
6930	140-149	A	A
<b>Group 18- Replaces Gas Springs with an Extended Length of 18.0" to 19.0"</b>			
6932	25-34	A	A
6933	40-49	A	A
6934	55-64	A	A
6935	70-79	A	A
6936	90-99	A	A
6937	110-119	A	A
<b>Group 20- Replaces Gas Springs with an Extended Length of 19.5" to 20.5"</b>			
4644	20-29	A	A
4247	40-49	A	A
4248	55-64	A	A
6938	70-79	A	A
4279	85-94	A	A
6939	100-109	A	A
4530	110-119	A	A
4408	120-129	A	A
4280	140-149	A	A
<b>Group 26- Replaces Gas Springs with an Extended Length of 25.5" to 26.5"</b>			
6940	55-64	A	A
6941	75-84	A	A
<b>Group 28- Replaces Gas Springs with an Extended Length of 27.5" to 28.5"</b>			
6942	90-99	C	C
6943	110-119	C	C
6944	140-149	C	C
<b>Group 29- Replaces Gas Springs with an Extended Length of 28.5" to 29.5"</b>			
4571	60-69	A	A
4568	75-84	C	C
4570	105-114	C	C
<b>Group 35- Replaces Gas Springs with an Extended Length of 34.5" to 35.5"</b>			
4281	75-84	A	A
<b>Hardware Items</b>			
SA3000	10mm Ball Stud Kit		
SA3001	13mm Ball Stud Kit		
SA3002	Shoulder Stud Kit		
SA3100	3 hole Bracket		
SA3101	2 Hole Bracket		
SA3102	Flush Mount Bracket		