

GAS CHARGED LIFT SUPPORTS

UNIVERSAL SPECIFICATION GUIDE

Gas Springs



Mounting
Hardware



Universal
Brackets



MULTI-PURPOSE SOLUTIONS

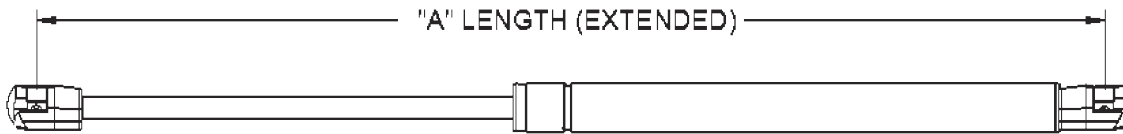
- *Camper Shell Windows*
- *Canopies/Awnings*
- *Computer/Printer Covers*
- *Farm Machinery*
- *Garbage Containers*
- *Golf Carts*
- *Grills/Smokers*
- *Marine Hatches*
- *Overhead Bins*
- *RV-Windows/Doors*
- *Storage Containers*
- *Tanning Beds*
- *Tool Boxes*
- *Toy Boxes/Piano Benches*
- *Truck Tonneau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



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

Selecting the correct Gas Charged Lift Support

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; specifically 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 the specification chart on the next page.

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 AMS Technical Support Line @ 1-800-528-6743

What makes an AMS 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.
- 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.

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

Brackets

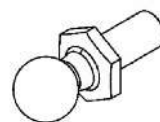


SA3100

SA3101

SA3102

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

UNIVERSAL Specification Chart



10 mm Ball Socket (A)



Blade (B)



13 mm Ball Socket (C)

Strong Arm P/N	Force Pounds	Rod EF	Tube EF
Group 7- Replaces Gas Springs with an Extended Length of 7.0" to 8.0"			
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
Group 10A- Replaces Gas Springs with an Extended Length of 9.5" to 10.5"			
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
Group 10B- Replaces Gas Springs with an Extended Length of 9.5" to 10.5"			
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
Group 11- Replaces Gas Springs with an Extended Length of 10.5" to 11.5"			
6917	20-29	A	A
6918	30-39	A	A
6919	65-79	A	A
Group 12- Replaces Gas Springs with an Extended Length of 11.5" to 12.5"			
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
Group 13- Replaces Gas Springs with an Extended Length of 12.5" to 13.5"			
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
Group 14- Replaces Gas Springs with an Extended Length of 13.5" to 14.5"			
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
Group 15B- Replaces Gas Springs with an Extended Length of 14.5" to 15.5"			
6923	25-34	B	B

Strong Arm P/N	Force Pounds	Rod EF	Tube EF
Group 15A- Replaces Gas Springs with an Extended Length of 14.5" to 15.5"			
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
Group 16- Replaces Gas Springs with an Extended Length of 15.5" to 16.5"			
6921	30-39	A	A
6929	60-69	A	A
Group 17- Replaces Gas Springs with an Extended Length of 16.5" to 17.5"			
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
Group 18- Replaces Gas Springs with an Extended Length of 18.0" to 19.0"			
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
Group 20- Replaces Gas Springs with an Extended Length of 19.5" to 20.5"			
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
Group 26- Replaces Gas Springs with an Extended Length of 25.5" to 26.5"			
6940	55-64	A	A
6941	75-84	A	A
Group 28- Replaces Gas Springs with an Extended Length of 27.5" to 28.5"			
6942	90-99	C	C
6943	110-119	C	C
6944	140-149	C	C
Group 29- Replaces Gas Springs with an Extended Length of 28.5" to 29.5"			
4571	60-69	A	A
4568	75-84	C	C
4570	105-114	C	C
Group 35- Replaces Gas Springs with an Extended Length of 34.5" to 35.5"			
4281	75-84	A	A
Hardware Items			
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		

GAS CHARGED LIFT SUPPORTS ARE DESIGNED TO BE USED EXCLUSIVELY FOR THE PURPOSES SPECIFIED IN THE APPLICATION CHARTS.
 Tech Support: 1-800-528-6743

