

UNIVERSAL LIFT SUPPORTS

UNIVERSAL SPECIFICATION GUIDE

Gas Springs



Mounting
Hardware



Universal
Brackets



MULTI-PURPOSE SOLUTIONS

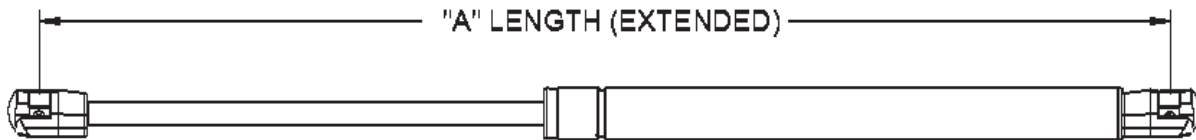
- *Camper Shell Windows*
- *Canopies/Awnings*
- *Computer/Printer Covers*
- *Farm Machinery*
- *Garbage Containers*
- *Golf Carts*
- *Grills/Smokers*
- *Marine Hatches*
- *Overhead Bins*
- *RV-Windows/Doors*
- *Storage Containers*
- *Tanning Beds*
- *Tool Boxes*
- *Toy Boxes/Piano Benches*
- *Truck Tonneau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



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

Selecting the Correct Gas 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 AMS Technical Support Line @ 1-800-528-6743

What makes 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 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.

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

Specification Chart



10 mm Ball Socket (A)



Blade (B)



13 mm Ball Socket (C)

AMS 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

AMS 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		

The Original Gas Charged Lift Support...



The manufacturer does make a difference!

AMS Automotive meets or exceeds all original equipment manufacturer quality standards. There's not a lift support on the market today that can surpass AMS Automotive'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 AMS gas charged lift support is designed to quickly and easily replace the failed unit, restoring the application to its' original condition.



AMS 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 @ 1-800-528-6743.



Call our Technical Support Line @ 1-800-528-6743

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