

BLACK NITRIDE SHAFT GAS SPRINGS

ISO/TS 16949 & ISO 9001:2000 Certified



GAS SPRING FIT AND SELECTION

If you already have a gas spring installed, selecting a replacement can be as *simple as A-B-C*.

Remove the spring from its mounting brackets.

- Measure the extended length from center mounting hole to center mounting hole (see "A" in diagram).
- Measure the amount of piston that is exposed while extended. This is called the stroke of the gas spring. (see "C" in diagram).
- Using our simple to read chart, find the extended length that is the closest to your current unit. Then use either the stroke measurement or subtract the stroke from extended and select the compressed sizes that are closest to your current spring.

(The measurements do not have to be exact but the closer you can match the original the easier it will be to install.)

SELECTING THE FORCE:

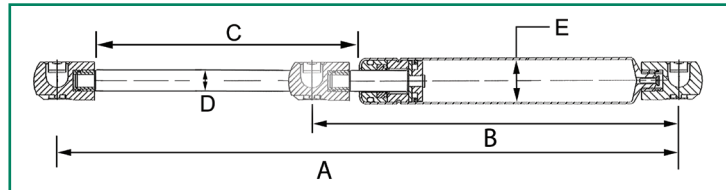
If your current spring has a stamped label, the force should be listed within that number. Usually, the last two digits or followed by the letter N which is Newtons. One pound equals 4.4482 Newtons. This is the pounds of force being exerted to open or hold open the door or platform. It does not equal the weight of the item being lifted. Trial and error is not the best way to find that number.

Selecting a gas spring for a project that does not already have brackets installed can be a much harder task. This normally requires a computer program and numerous measurements to make sure they operate properly.

Feel free to contact us at 800-269-7622 for assistance on selecting or replacing your gas spring.

PROPER DISPOSAL REQUIREMENTS:

- Caution**, safety glasses and protective gloves should be worn for this procedure.
- Secure the gas spring using a vise with the piston end tilted down at least 30 degrees, let stand in this position for 30-60 seconds to allow the oil to settle in the lower section of the tube.
- Caution**, a gas substance will escape during this procedure. Using a tubing cutter or hacksaw, cut the top end of the tube 1/2" down from the welded end fitting or stud.
- Place the tube open end down in an approved container to drain the remaining oil.
- Once tube has drained, discard the gas spring as approved for other metal objects.



Part #	A	B	C	D	E	Force (lbs.)	Type Of End
	Ext'd Length (inches)	Comp'd Length (inches)	Stroke (inches)	Rod Dia. (mm)	Tube Dia. (mm)		
GSNI-2125-90	15	9.66	6	8	18	90	Plastic Socket
GSNI-2200-90	17	10.41	6.59	8	18	90	Plastic Socket
GSNI-2300-80	20	11.41	8.59	8	18	80	Plastic Socket
GSNI-2300-90	20	11.41	8.59	8	18	90	Plastic Socket
GSNI-2300-100	20	11.41	8.59	8	18	100	Plastic Socket
GSNI-2300-120	20	11.41	8.59	8	18	120	Plastic Socket
GSNI-2300-150	20	11.41	8.59	8	18	150	Plastic Socket
GSNI-2600-100	26.3	15.3	11.00	8	18	100	Plastic Socket
GSNI-4032-28	17	10.00	7.00	6	8	28	Plastic Socket
GSNI-4033-30	18	11.50	6.50	6	8	30	Plastic Socket
GSNI-4688-40	13.98	8.40	5.60	6	15	40	Plastic Socket
GSNI-4900-15	7.5	5.25	2.25	6	15	15	Plastic Socket
GSNI-4900-40	7.5	5.25	2.25	6	15	40	Plastic Socket
GSNI-4900-60	7.5	5.25	2.25	6	15	60	Plastic Socket
GSNI-4983-35	12.2	8.66	4.00	6	8	35	Plastic Socket
GSNI-4991-60	16	8.50	6.50	6	8	60	Plastic Socket
GSNI-5000-20	10	6.41	3.59	6	15	20	Plastic Socket
GSNI-5000-60	10	6.41	3.59	6	15	60	Plastic Socket
GSNI-5100-30	12	7.91	4.09	6	15	30	Plastic Socket
*GSNI-5100-40	12	7.91	4.09	6	15	40	Plastic Socket
GSNI-5150-20	15	8.91	6.09	6	15	20	Plastic Socket
GSNI-5150-40	15	8.91	6.09	6	15	40	Plastic Socket
GSNI-5150-60	15	8.91	6.09	6	15	60	Plastic Socket
GSNI-5200-30	17	9.66	7.34	6	15	30	Plastic Socket
GSNI-5200-40	17	9.66	7.34	6	15	40	Plastic Socket
*GSNI-5200-50	17	9.66	7.34	6	15	50	Plastic Socket
GSNI-5200-60	17	9.66	7.34	6	15	60	Plastic Socket
GSNI-5200-75	17	9.66	7.34	6	15	75	Plastic Socket
GSNI-5300-10	20	11.41	8.59	6	15	10	Plastic Socket
GSNI-5300-20	20	11.41	8.59	6	15	20	Plastic Socket
GSNI-5300-30	20	11.41	8.59	6	15	30	Plastic Socket
GSNI-5300-40	20	11.41	8.59	6	15	40	Plastic Socket
GSNI-5300-50	20	11.41	8.59	6	15	50	Plastic Socket
GSNI-5300-60	20	11.41	8.59	6	15	60	Plastic Socket
GSNI-6624	14	8.03	5.97	6	15	24	Plastic Socket
*GSNI-6642	14.5	8.91	5.59	6	15	35	Plastic Socket
GSNI-6687	26.32	15.82	10.50	8	18	74	Plastic Socket
GSNI-7145	26.32	15.82	10.50	8	18	150	Plastic Socket
GSNI-7901	20	11.30	8.70	6	15	60	Blade
GSNI-7903	20	11.42	8.58	8	18	110	Blade

* Used on truck caps