

10-23 Stainless Steel Adjustable Force Gas Spring

Appian No.

CMC41001
CMC41002
CMC41003

High corrosion resistant gas spring

Manufactured using 316L stainless steel, this range of gas springs give increased corrosion resistance in industrial, marine and coastal environments, having been subjected to over 1000 hours of salt spray testing.

Stainless steel adjustable force gas springs are available in an extensive range of sizes.

With a specially prepared rod surface finish for additional hardness and protection against high levels of corrosion, Stainless steel adjustable force gas springs are ideally suited for use in harsh environment applications such as marine engine covers, doors and application environments requiring high levels of cleanliness like the food, pharmaceutical and medical industries.

Vari-Lift™ adjustable force gas springs are also available in mild steel.

Benefits

- 316L stainless steel tube & rod
- No need to calculate force
- Adjustable to any force within range
- Force can be adjusted after installation
- Simple adjustment using standard tool supplied
- Ideal for prototyping and short production runs
- Ideal where application weights vary
- ISO 9001 Registered Company

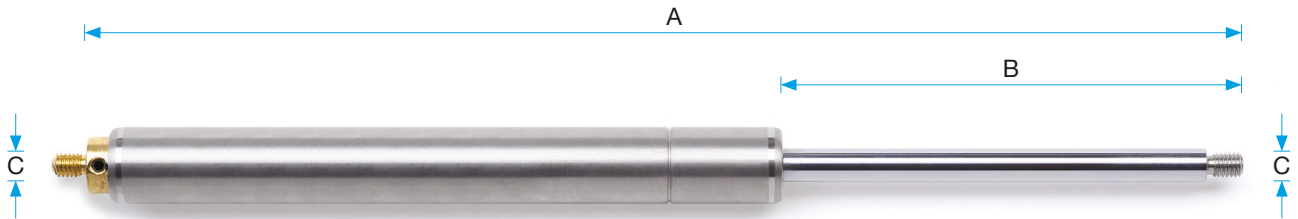


10-23 Adjustable Force Gas Spring in 316L Stainless Steel

Gas spring sizes directly relate to the diameter of the rod and tube. The 10-23 has a rod diameter of 10mm and a tube diameter of 23mm.

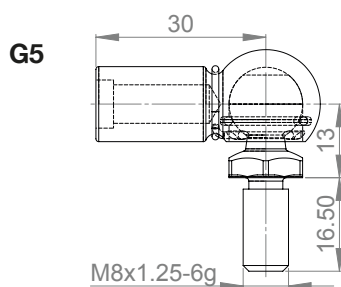
Our adjustable force gas spring is charged to its maximum force during manufacture which then, by using a 2mm Allen key, can be gradually released using the valve located at the end of the tube to provide the force suited to your application.

Manufactured in 316L stainless steel, these springs have been subjected to over 1000 hours of salt spray testing. Being made with a specially-prepared chrome-plated rod surface finish for additional hardness and protection against high levels of corrosion.



Appian No.	Gas Spring Size (mm)	Max. Approx. Lift Weight (per PAIR of springs)	Extended Length Excl. End Fittings (mm) A	Stroke (mm) B	Thread Size C	Max. Force Per Spring (Newtons)
CMC41001			245	100		
CMC41002	10-23	40 to 150Kg	445	200	M8 x 1.25	1200N
CMC41003			645	300		

Supplied End Fitting



Alternative end-fittings are available. For more information please visit appianfasteners.com

Vari-Lift™ Valve and De-gassing

Parts are supplied fitted with a Vari-Lift™ valve. The force in the gas spring is set to the maximum. The gas spring is then de-gassed to the force required using a standard 2mm Allen key. Fit the gas spring to the application with the rod down and brass Vari-Lift™ valve uppermost.

Using the Allen key, undo the Allen screw approximately ¼ of a turn until the gas can be heard escaping. Do not remove the Allen key. Tighten the Allen screw almost immediately. Do not use excessive force. Repeat on the second gas spring and try the application. Ensure that the Allen screw is fully tightened each time.

Repeat the process releasing a small amount of gas at a time until the required action is achieved.