Camloc
Motion Control

Appian Fasteners

6-15 Mild Steel
Adjustable Force Gas Spring

Appian No.

CMC10601
CMC10602
CMC10603
CMC10604

Vari-Lift™ - In-situ force adjustment

Adjustable force gas springs can be set to meet individual preferences but can also be adjusted whilst in position, saving you both time and effort.

When Gas Springs are used, it is often found that theoretical forces will be incorrect because factors such as hinge friction and perceived speed of action will have a bearing on calculations.

Vari-Lift™ adjustable force gas springs are charged to their maximum force during manufacture. By using a standard 2mm Allen key, gas can be gradually released via the specially designed Vari-Lift™ valve at the end of the tube to provide the force suited to your application.

Adjustable force gas springs can also be used if panel weights vary. These will allow you to provide the perfect solution for your needs.

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

Benefits

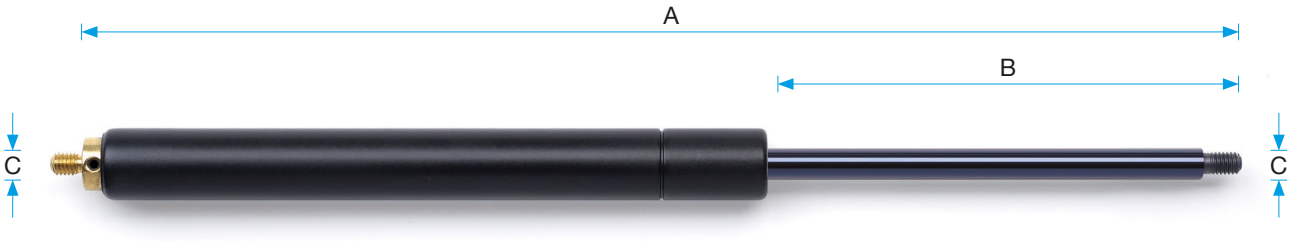
- **No need to calculate force**
- **Adjustable to any force within range**
- **Force can be adjusted after installation**
- **Simple adjustment using standard tool supplied**
- **Ideal for prototyping and short production runs**
- **Ideal where application weights vary**
- **ISO 9001 Registered Company**

6-15 Mild Steel Adjustable Force Gas Spring

Gas spring sizes directly relate to the diameter of the rod and tube. The 6-15 has a rod diameter of 6mm and a tube diameter of 15mm.

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.

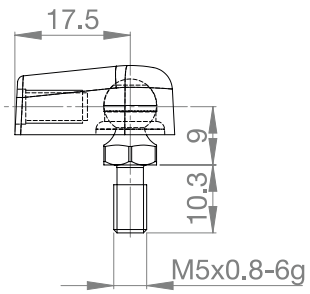
The rods are made from precision ground carbon steel which is surface treated to improve wear and corrosion resistance. The gas spring tube comprises of high integrity carbon steel welded tube; which is suitable for high pressures. The internal finish and tensile strength of the tube is critical for a gas springs longevity.



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)
CMC10601	**6-15**	**Up to 10Kg**	**160**	**60**	**M5 x 0.8**	**400N**
CMC10602			**240**	**100**		
CMC10603			**340**	**150**		
CMC10604			**440**	**200**		

Supplied End Fitting

P1



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.

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Camloc
Gas Springs

www.camloc.com