

Swift & Sure Standard Lift Gas Spring

Swift & Sure is one of the most popular Camloc gas springs and is available in an extensive range of sizes and end fittings for a wide variety of applications.

Swift & Sure is an entirely self-contained, maintenance free, hydro pneumatic ram which is charged under pressure with an inert gas. It has the characteristics of a compression spring which, coupled with a small change in force as it extends, provides a controlled rate of movement. At the end of the extension stroke, oil damping occurs due to a hydraulically cushioned zone. These features help protect hinges and mounts by applying constant force with a damped end of travel.

Camloc Motion Control Ltd prides itself on its service to customers, with design engineers on hand to work with you using the latest CAD/CAE techniques. Recognising that no two applications are the same, Camloc Motion Control Ltd provides engineered solutions to meet your exact requirements.

Together, we can select the most appropriate gas spring for your application and provide prototypes within 14-days for testing on your application. Swift & Sure gas springs are ideally suited for use on many applications such as access panels, lids, covers, guards, bonnets and hatch covers.

Benefits

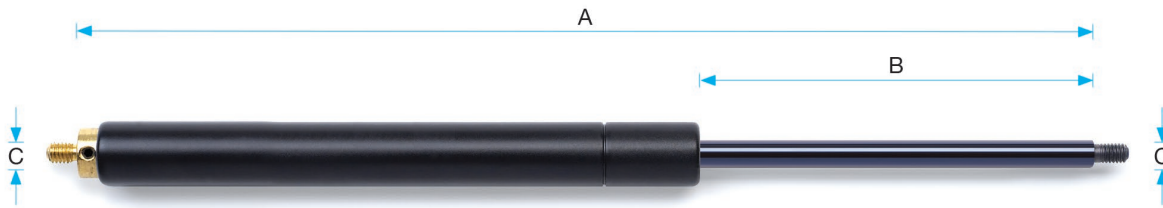
- **Custom design, sized to your application**
- **Self contained unit and maintenance free**
- **Safe to use with easy positional control**
- **Custom force setting with either fixed or adjust-yourself option**
- **Over 2,500 different combinations**
- **BS EN ISO 9001 Registered Company**

Pack Contents

Parts are supplied boxed as a kitted pair comprising;

- 2 x Swift & Sure with Vari-Lift™ valve
- 4 x Pre-fitted ball joint end fittings
- 4 x Optional eye end fittings (not 14-28 models)
- 1 x Allen key for degassing Vari-Lift™ valve
- 1 x Instruction leaflet





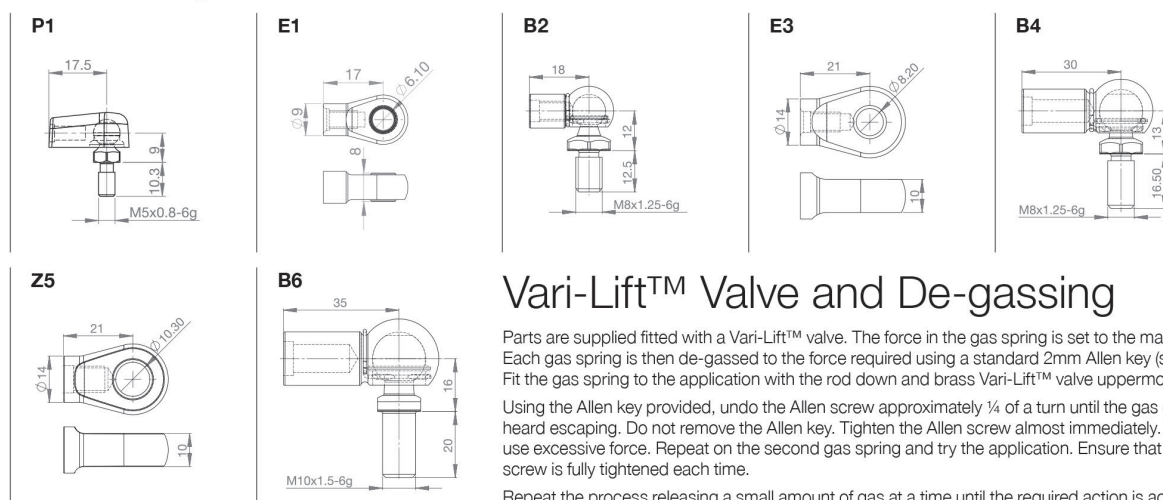
An extensive range of sizes and forces

Gas springs are commonly referred to by their size. Typically, the four common sizes for gas springs are 6-15, 8-18, 10-23 and 14-28, although other sizes are available. The sizes directly relate to the diameter of the rod and the tube, for example an 8-18 will have a rod diameter of 8mm and a tube diameter of 18mm.

Swift & Sure

Part No.	Econoloc 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)	Supplied End Fit *Denotes Pre-Fitted
FLOSWV0606	6-15	Up to 10Kg	160	60	M5 x 0.8	400N	P1* & E1
FLOSWV0610			240	100			
FLOSWV0615			340	150			
FLOSWV0620			440	200			
FLOSWV0810	8-18	10 to 40Kg	264	100	M6 x 1.0	650N	B2* & E3
FLOSWV0815			364	150			
FLOSWV0820			464	200			
FLOSWV0825			564	250			
FLOSWV1010	10-23	40 to 150Kg	245	100	M8 x 1.25	1200N	B4* & Z5
FLOSWV1020			445	200			
FLOSWV1025			545	250			
FLOSWV1030			645	300			
FLOSWV1420	14-28	150 to 350Kg	480	200	M10 x 1.5	2500N	B6*
FLOSWV1430			680	300			
FLOSWV1440			880	400			
FLOSWV1450			1080	500			

End Fitting Dimensions (see table above for corresponding Econoloc)



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. Each gas spring is then de-gassed to the force required using a standard 2mm Allen key (supplied). Fit the gas spring to the application with the rod down and brass Vari-Lift™ valve uppermost.

Using the Allen key provided, undo the Allen screw approximately 1/4 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.