Camloc
Motion Control

RS Article No.

346-9503	346-9553
346-9519	346-9569
346-9531	346-9575
346-9547	346-9581
339-9022	253-324
339-9038	253-330
339-9050	253-346
339-9066	253-352
484-7229	

Stainless Steel Swift & Sure

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 Swift & Sure gas springs are available in an extensive range of sizes.

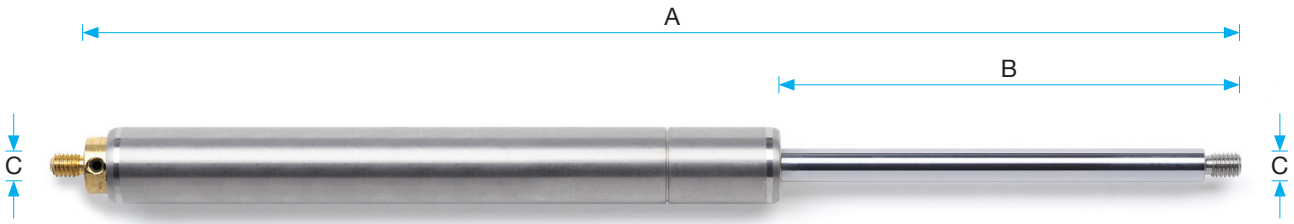
With a specially prepared rod surface finish for additional hardness and protection against high levels of corrosion, Stainless steel Swift & Sure gas springs are ideally suited for use in harsh environment applications such as marine engine covers, doors and application environments requiring high levels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

Benefits

- **High corrosion resistance for external applications**
- **1000 hours salt spray tested**
- **316L stainless steel tube & rod**
- **Additional hardness & corrosion resistance via special surface finish**
- **Custom design sized to your application**
- **BS EN ISO 9001 Registered Company**

Pack Contents

Parts are supplied boxed as a kitted pair comprising;
2 x Stainless Steel 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

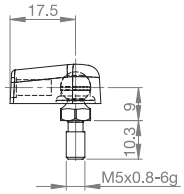
Gas springs are commonly referred to by their size. Typically, the three common sizes for stainless steel gas springs are 6-15, 8-18 and 10-23, although other sizes are available. The sizes directly relate to the diameter of the rod and the tube, for example an 8-18 will have a rod diameter of 8mm and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

Stainless Steel Swift & Sure

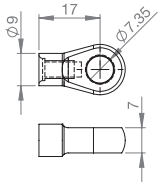
RS No.	Camloc Part No.	Econoloc Size (mm)	Max. Approx. Lift Weight (per PAIR of springs)	Extended Length Excl. End Fittings (mm) **A**	Stroke (mm) **B**	Thread Size **C**	Max. Force Per Spring (Newtons)	Supplied End Fit *Denotes Pre-Fitted
346-9503	SXV6050500001	6-15	Up to 10Kg	160	60	M5 x 0.8	400N	PE* & E2
346-9519	SXV6050500003			240	100			
346-9531	SXV6050500002			340	150			
346-9547	SXV6050500004			440	200			
339-9022	SXY8A6A600001	8-18	10 to 40Kg	264	100	M6 x 1.0	650N	PV* & E3
339-9038	SXY8A6A600003			364	150			
339-9050	SXY8A6A600002			464	200			
339-9066	SXY8A6A600004			564	250			
484-7229	SXY8A6A600005			664	300			
346-9553	SXY1A8A800001	10-23	40 to 150Kg	245	100	M8 x 1.25	1200N	G5* & J2
346-9569	SXY1A8A800002			445	200			
346-9575	SXY1A8A800003			545	250			
346-9581	SXY1A8A800004			645	300			
253-324	SXV4101000008	14-28	150 to 350Kg	480	200	M10 x 1.5	2500N	G6*
253-330	SXV4101000009			680	300			
253-346	SXV4101000010			880	400			
253-352	SXV4101000011			1080	500			

End Fitting Dimensions (see table above for corresponding Econoloc)

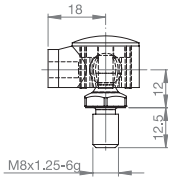
PE



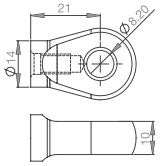
E2



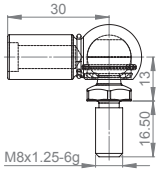
PV



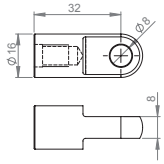
E3



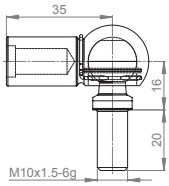
G5



J2



G6



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 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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