

# Camloc

*Motion Control*

## Stop & Stay

### Multi-position gas spring with adjustable external friction control

Stop & Stay gas springs enable multi-position holding of a counter balanced weight over the entire stroke of the gas spring.

Based on the proven standard range of Camloc gas springs, Stop & Stay's are easy to fit with simple adjustment to determine the correct level of support. Once fitted, finger tip control allows movement to any position required. The lock-nut is adjusted to suit the application's weight (about a half turn), thereby applying a 'stick-slip' friction to the rod. Stop & Stay gas springs are most suitable for lower production volumes or prototyping, where applications require customisation.

Typically, the gas spring force is pre-set to carry the weight of the application (e.g. a canopy) in the normal manner. This allows the user to raise, lower and position the canopy in any position using the minimum of effort and in quick time.

Stop & Stay gas springs are ideal for a wide variety of applications such as canopies, monitor arms, acoustic hoods, delicatessen counters, sunbeds and many more.

### Benefits

- **Multi-position holding of counter-balanced weights**
- **Customisable external friction adjustment**
- **Positional control**
- **Safe to use and operate**
- **Maintenance free**
- **Available in stainless steel**
- **BS EN ISO 9001 Registered Company**





## An extensive range of sizes and forces

Gas springs are commonly referred to by their size. The three sizes for Stop & Stay gas springs are 6-15, 8-18 and 10-23. 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.

### Stop & Stay

Stop & Stay Size Range	Range of Stroke Lengths (in 5mm increments)	Range of Tube Lengths (in 1mm increments)	Force Range (in 10 Newton increments)	Thread Type (M)
6-15	40-200	75-230	50-400 (11-90lbs)	M5 x 0.8
8-18	40-300	75-335	100-650 (22-146lbs)	M6 x 1.0
10-23	40-400	80-440	150-1200 (34-269lbs)	M8 x 1.25

Other sizes are available, please contact us to discuss your application.

### Size & force for Vari-Lift™ versions

For Vari-Lift™ versions add 5mm for the valve when calculating the extended length. The force is set to the maximum as standard but can be pre-set lower as required.

See our End Fittings leaflet for the comprehensive range available.



### Stop & Stay+ with internal pre-set friction control valve

An alternative to the adjustable standard Stop & Stay is the Stop & Stay+ gas spring with an internal pre-set friction control valve. This product has been designed without the need for an external friction device doing away with the need for any manual adjustment. The Stop & Stay+ is ideally suited to production volumes where consistency and repeatability are required straight out of the box. Please see our separate Stop & Stay+ leaflet for more information.

If you have any questions about specifying gas springs or end fittings please call +44 (0)116 274 3600.

#### Camloc Motion Control Ltd

15 New Star Road, Leicester, LE4 9JD, UK  
 Tel: +44 (0)116 274 3600 Fax: +44 (0)116 274 3620  
 E-mail: info@camloc.com Website: www.camloc.com

Vari-Lift, Swift & Sure, Stop & Stay and Econoloc are trade names of Camloc Motion Control Ltd.

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