

Stop & Stay+

Multi-position gas spring with internal pre-set friction control valve

Stop & Stay+ gas springs enable multi-position holding of a counter balanced weight without the need for any manual adjustment.

Stop & Stay+ are easy to fit with no need for any manual friction adjustment. Once fitted, finger tip control allows movement to any position along the gas springs stroke. The specially designed internal friction valve is pre-set to your application's weight, making Stop & Stay+ quick and easy to fit. They are ideally suited to production volumes where consistency and repeatability are required straight out of the box.

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
- No need for adjustment pre-set friction
- Quick and easy to fit
- Positional control
- Safe to use and operate
- Maintenance free
- Available in stainless steel
- BS EN ISO 9001 Registered Company





A range of sizes and forces to suit your application

Stop & Stay+ gas springs have been designed to provide the ability to fix an application in any position, angle or distance without the need for either an external friction device or release mechanism. The compression force of the gas spring (or application weight band) is determined and set by the choice of valve used in the assembled gas spring.

Typical applications for Stop & Stay+ include:

- Tilt adjustment of lamp stands or monitor arms
- Back and foot rest adjustments of recliners
- Foot or leg support panels in medical beds
- Service flaps or roof windows
- Electronic passenger information display boards
- Tilt adjustment for desks

Gas springs are commonly referred to by their size. The two sizes for Stop & Stay+ gas springs are 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.

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Size (mm)	Force Range (per PAIR of springs in 10 Newton increments)	Min Stroke Excl. End Fittings (mm)	Max. Stroke (mm)	Extended Length Excl. End Fittings (mm)	Thread Size	Max. Force Per Spring (Newtons)
8-18	100 to 650N (22 - 146lbs)	45	300	3 x Stroke	M6 x 1.0	650N
10-23	150 to 1200N (34 - 269lbs)	45	400	3 x Stroke	M8 x 1.25	1200N

Adjustable Stop & Stay versions with Vari-Lift™ also available

Standard Stop & Stay gas springs with a manually adjustable friction nut and an optional Vari-Lift™ valve are available for determining the correct amount of friction and force required on your particular application. The force is set to the maximum as standard but can be pre-set lower as required. Please see our separate standard Stop & Stay leaflet for product details.

See our End Fittings leaflet for the comprehensive range available.

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



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

