

STOP & STAY



Stop & Stay Gas Spring enable multi-position holding of counter balanced weight over the entire stroke of the Gas Spring. Based upon ArvinMeritor's proven standard range of Gas Springs, they 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 piston rod.

In the examples shown of a sunbed, the Gas Spring force is pre-set to carry the weight of the top canopy in the normal manner. This allows the user of the sunbed to raise, lower and position the top canopy in any position required effortlessly and in quick time.

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

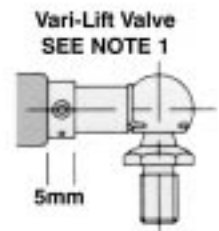
Benefits

- Multi-position holding of counter balanced weights
- Simple adjustment to determine correct setting
- Finger-tip control
- Safe to use and operate
- Maintenance Free
- BS EN ISO 9001 Registered Company

An extensive range of sizes and forces

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)†
SSF6/SSV6 (note 1) (6mm dia. rod, 15mm tube)	40-200	75-235	50-400 (11-90lbs)	M5 x 0.8
SS(note 3)8 (8mm dia. rod, 18mm tube)	40-300	75-335	100-650 (22-146lbs)	M6 x 1.0
SSF1/SSV1(note1) (10mm dia. rod, 23mm tube)	40-400	80-440	150-1200 (34-269lbs)	M8 x 1.25

With any combination of end fittings



Nylon Ball Joint



Nylon Eye



Flat Steel Eye



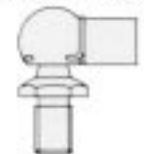
Nylon Ball Cup



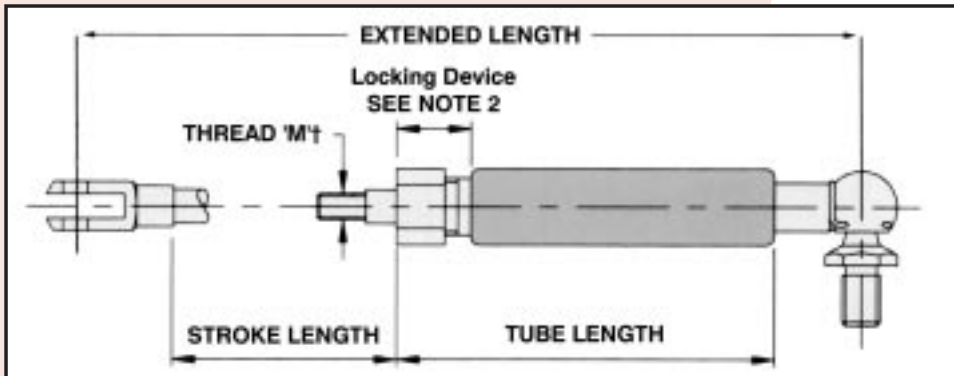
Clevis Fork



Steel Ball Joint



Zinc Eye



Specifically engineered for your application

† See our End Fittings leaflet for the comprehensive range available. If you have any questions about specifying gas springs, please call our Sales Office on 0116 274 3622/3623

Note 1

For Vari-Lift:
Add 5mm for the valve when calculating extended length. Force is set to maximum as standard but can be pre-set lower as required. Part numbering example: Replace F with V (e.g. SSV6, SSV1). For SS(8-18), see Note 3 (Y or Z).

Note 2

SS*6 Add 30mm to stroke length to obtain minimum tube length
Add 10mm for the locking device when calculating extended length

length

SS(note 3)8 Add 35mm to stroke length to obtain minimum tube length
Add 12mm for the locking device when calculating extended length

length

SS*1(10-23) Add 40mm to stroke length to obtain minimum tube length
Add 15mm for the locking device when calculating extended length

length

*For fixed force = F For Vari-Lift = V

Note 3 (8-18 size only - part number example)

SSA8 = Fixed, High Force
SSB8 = Fixed, Low Force
SSY8 = Vari-Lift, High Force
SSZ8 = Vari-Lift, Low Force

High Force = above 300N (8-18) or above 400N (10-23)
Low Force = 300N and below (8-18) or 400N and below (10-23)