

# Camloc

*Motion Control*

## Econoloc

### Safety locking shroud

Econoloc gas springs eliminate the need for separate safety rods in critical lift-assist applications.

They positively lock when fully extended, protecting the operator from potential injury in the event of overload or misuse. Simple to use, they operate automatically, when the gas spring is fully extended a spring loaded locking shroud moves into place, preventing the gas spring from compressing.

The Econoloc is manually released by applying thumb pressure to the designated area of the locking shroud, allowing the gas spring to compress in a controlled manner. The locking shroud is finished with the same epoxy coating as the gas spring body, providing excellent corrosion resistance. A guide inside the shroud prevents scratching of the gas spring cylinder.

The Econoloc range of gas springs combine superior quality with the added safety feature required in many heavy duty applications, such as trucks, construction machinery, switch gear and agricultural equipment. A single Econoloc gas spring can be used in conjunction with a standard Swift & Sure version.

### Benefits

- **Eliminates the need for separate safety rods in critical lift-assist operations**
- **Operates automatically**
- **Safe & easy to use**
- **Self-contained unit**
- **Maintenance free**
- **BS EN ISO 9001 Registered Company**





## 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.

### Econoloc

| Econoloc 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) |
|---------------------|---|---|---------------------------------------|-----------------|
| 8-18                | 100-300                                     | 135-345                                   | 100-650 (22-146lbs)                   | M6 x 1.0        |
| 10-23               | 100-400                                     | 140-445                                   | 150-1200 (34-269lbs)                  | M8 x 1.25       |
| 14-28               | 100-500                                     | 155-555                                   | 200-2500 (45-562lbs)                  | M10 x 1.5       |

### 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.

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.



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