

Camloc

Motion Control

Camloc Gas Springs

Industrial gas spring & damper solutions



Introduction

Camloc Motion Control Limited is a leading designer and manufacturer of an extensive range of gas springs, dampers, brackets and end fittings, providing quality engineered solutions that you can rely on, time and time again.

Since 1989, literally millions of Camloc gas springs have been manufactured by Camloc Motion Control Ltd in the United Kingdom and supplied to thousands of customers worldwide, across a variety of industry sectors.

What is a gas spring?

In simple terms, a gas spring is a sealed energy source containing a pressurised inert gas (Nitrogen) and a small amount of oil. Being self contained units, they require no power source or maintenance. Manufactured in either mild or stainless steel, they are of tough rigid construction with high structural integrity.

Camloc gas springs

Camloc gas springs provide direct support for safely lifting, positioning, lowering and counterbalancing weights. They offer the versatility of a wide range of forces, simple mounting, compact size, speed controlled damping and cushioned end motion, combined with a flat force curve.

A wide range of size options is available, covering rod diameters from 6mm to 14mm and tube diameters from 15mm to 28mm.

Our Range



Swift & Sure

Camloc's 'standard' fixed force compression gas spring is the Swift & Sure. It is available in an extensive range of sizes with a variety of end fittings and brackets.



Vari-Lift™

Vari-Lift™ is the adjustable force version of the Swift & Sure designed to be de-gassed whilst in position on the application, saving you both time and effort.



Econoloc

Econoloc eliminates the need for separate safety rods. Positively locking when fully-extended, they protect users from injury in the event of overload or misuse.



Blocklift

Blocklifts can be stopped at any position during operation. Fitted with a locking valve, they only allow movement when the release pin is pressed.



Hydraulic Lift

The Hydraulic Lift provides simple height and back rest adjustment on medical applications with a single lever and no need for a power supply.



Cam-Stay

The Cam-Stay is a manually operated telescopic multi-positional stay. With fixed holding positions, they provide quick and steady positioning.

The weight range supported by Camloc gas springs can be from a few kilos up to half a tonne (5000 Newtons). Camloc gas springs incorporate proven engineering techniques, with thousands of cycles of testing, to ensure they meet the standards demanded by customers.

Camloc gas springs are produced to the highest international standards, including BS EN ISO 9001.

Customer service and quality manufacture

Camloc Motion Control Ltd has built up an enviable reputation for providing first class customer service, recognising that no two applications are the same.

Camloc gas springs offer:

- Stroke increments of 5mm
- Tube increments of 1mm
- Force increments of 5 Newtons

For complete satisfaction, Camloc gas springs are made to order to suit even the most exacting requirements, with its team of sales and technical engineers ready to work with customers from initial discussion through to final installation.

Camloc gas springs are tested for performance and fitness for purpose. In-house test equipment is available for mechanical strength tests, thermal tests (-40°C to +140°C), salt spray, humidity, cycling and actual application tests to ensure reliability and full product safety. These facilities are also available to support customer field trials.

Camloc Motion Control Ltd has the flexibility and manufacturing resources to react quickly to customer demands, whilst providing a quality product.

Technical support and bespoke design solutions

Design engineers, employing the latest CAD technology, work closely with customers to design a spring that meets their specific needs. Together, selecting the most appropriate gas spring and rapidly providing prototypes to test on customer applications.



Stop & Stay

There are two versions of the Stop & Stay gas spring in the range – enabling multi-position holding of a counter-balanced weight over the full stroke of the gas strut.



End Fittings

Manufactured in a range of materials including nylon, steel, stainless steel and zinc to suit both your gas spring and application perfectly.



Stainless Steel

Camloc 316L grade Stainless Steel gas springs give increased corrosion resistance in harsh environments such as marine, food, pharmaceutical and chemical.



Mounting Brackets

Camloc designs its mounting brackets and pins to offer customers a wide range of options to suit almost any application.



Cam-Shoc

Cam-Shoc dampers are self-contained, maintenance-free, hydraulic damping units. They are designed and engineered to absorb, meter and control kinetic energy.

Camloc Motion Control Limited

15 New Star Road, Leicester, LE4 9JD, United Kingdom

www.camloc.com **Email Us:** info@camloc.com **Call Us:** +44 (0)116 274 3600

