

## Dampers

Camloc dampers are self contained rod and tube assemblies without gas. The hydraulic damping unit comprises of a tube, rod and piston system, with the movement of the piston through the oil creating the damping characteristic.

Generally, dampers are specifically designed to influence the characteristics of movement by providing the controlled arrest of a weight or lid across a variety of industrial applications. Typical motion control uses for dampers include; velocity control, deceleration control and momentum change.

Camloc Motion Control Ltd prides itself on its service to customers, with design engineers on hand to work with you using the latest CAD/CAE techniques. Recognising that no two applications are the same Camloc Motion Control Ltd provides engineered solutions to meet your exact requirements.

Together, we can select the most appropriate damper for your application with the option of custom designed units to achieve specific damping and mounting requirements. All prototypes are manufactured within 14-days for testing on your application.

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## Benefits

- **Custom design, sized to your application**
- **Self contained unit and maintenance free**
- **Compact design with high durability and reliability**
- **Operating temperature range from -40°C to +100°C**
- **BS EN ISO 9001 Registered Company**





## Sizing your damper

Like gas springs, dampers are commonly referred to by their size. Typically, the most common size for dampers is 8-18, 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.

## Size range

Damper Size Range	Range of Stroke Lengths (in 5mm increments)	Range of Tube Lengths (in 1mm increments)	Thread Type (M)
8-18	40-300	85-345	M6 x 1.0

**Specifically engineered for your application. Other sizes are available, please contact us to discuss your application.**

See our End Fittings leaflet for the range of damper compatible metal end fittings.

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



### Camloc Motion Control Ltd

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



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