



LOCKABLE GAS SPRINGS

Lesjöfors lockable gas springs can be used to lock the stroke in a desired position, without the need for external locking mechanisms. Some typical applications include free adjustment of tables, chair seats and backs, training equipment, consoles, beds and medical equipment. In short, anywhere that ergonomic factors demand variable positioning.

This function is achieved by a unique, valve-piston system that effectively separates the inner cylinder into two working pressure chambers. Actuating the valve-piston, reconnects the pressure chambers, allowing for the gas spring to freely move to the desired position.

Advantages of Lockable Gas Springs

- Variable positioning of applications with rigid or elastic locking capabilities
- Flexible placement in applications
- Low force progression
- Easy to use with a large range of accessories
- Broad production capacity

Facts

- Types RLE, RLC and EL. (See backside)
- Forces (F1) 80 – 1000 N
- Strokes 10 – 250 mm



LOCKABLE GAS SPRINGS

RLE

- High locking force in tension direction
- Locking force up to 7000 N (tension) and 5.8 x F1 (compression)
- Used in adjustment of back supports or raising/lowering of work surfaces, screens and tables
- Over 70 models available in our standard range



RLC

- High locking force in compression direction
- Locking force up to 10000 N (compression) and 4,8 x F1 (tension)
- Used in medical beds and massage tables



EL

- Elastic locking
- Locking force up to 10000 N (compression) and 7000 N (tension)
- Used in furniture where a cushioning comfort is desired



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