Lift & Lock with integrated locking mechanism

Another Lift&Lock type as spring features various locking alternatives achieved by an integrated locking mechanism. It is simple to use and operates automatically. The mechanical lock consists of two parts, one on the piston rod and one inside the tube, and locks the gas spring at the required end position (either at extended, compressed or at extended and compressed positions), thus preventing the gas spring from uncontrolled extending and/or closing. To release the locking, the piston rod must be briefly pushed in (in direction of compression) for approximately 10mm.

Variants of Lift&Lock with integrated locking mechanism are:

- Lift&lock-LE: provides end position locking at fully extented position by an integrated locking element.
- Lift&lock-LC: provides end position locking at fully compressed position by an integrated locking element.
- Lift&lockt-LD: provides end position locking at fully extended and fully compressed position by an integrated locking element.

Technical advice

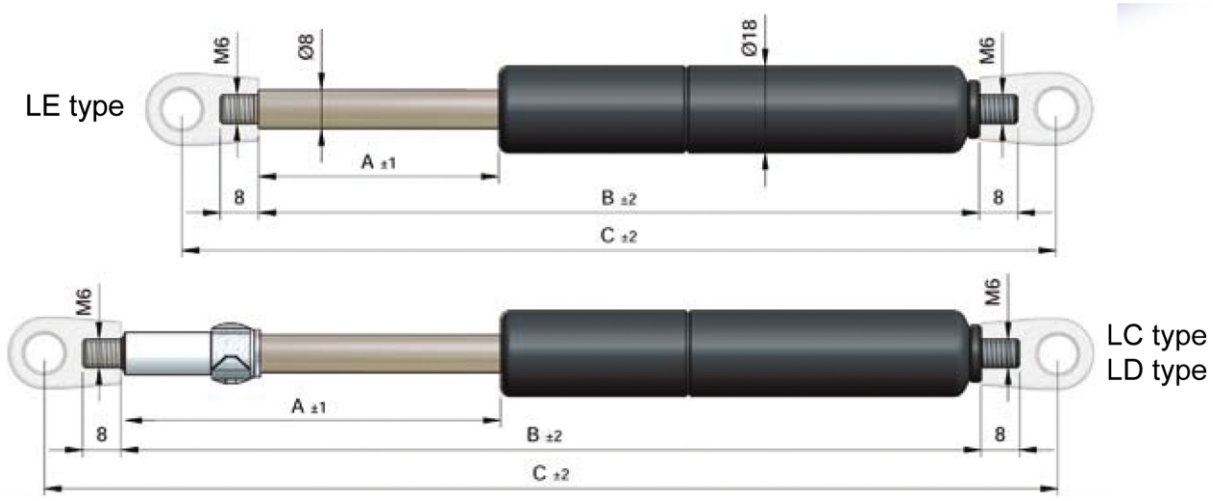
- If more than one gas spring is used in an application, it is usually sufficient to use the Lift&Lock in conjunction with a regular Lift type gas spring.
- A major advantage of the Lift&Lock with integrated locking mechanism is that releasing the gas spring and adjusting the application can be done with one hand.

Technical details

Lift&lock with integrated locking mechanism are available in 8/18, 8/22 and 10/22. Group 8/22 and 10/22 are special order items.

Important notice:

1. To ensure that the locking mechanism does not release unintentionally, tje external load exerted by the application onto the gas spring must be hreater that the F1 (extension force) of the gas spring.
2. In order that the gas spring can be unlocked, a free play of ~10mm in compression direction must be allowed at the gas springs'locked position.
3. Overload in locked position should be avoided as this may cause bending of the piston rod.



STANDARD			
A	B LE-LC	B LD	F1 (N)
50	180	210	*
60	200	203	*
80	240	270	*
100	280	310	*
120	310	340	*
140	360	390	*
150	380	410	*
160	400	430	*
180	440	470	*
200	480	510	*
220	510	540	*
250	580	610	*

Extras	Pages
Protection Tube	
Valve	
Special damping	
Special Extension Speed	
Speciale length	

Ordering Example

LE8/18
LC8/18 - A - C - GZ - GZ - F1 - Extra
LD8/18

- Force in Newton
- Fitting on cylinder
- Fitting on piston rod
- C – Extented length
- A – Storke
- Group