

GAS SPRINGS

TYPE 18-8 LV



Conventional gas spring with force reduction function, extension speed ~ 0.1 m/s

All dimensions are in mm

L = Length, including valve seat +/-2

B = Stroke

F1 = Initial force

Force range: All lengths charged to 600 N

End fittings: See pages 179–190.

1 kp = 9.80665 Newtons, 1 Newton = 0.10197 kp

Reducing force: See description below.

L	B	F1	Cat. no.
283	100	600	5480
383	150	600	5481
483	200	600	5482
583	250	600	5483
683	300	600	5484

Use

This gas spring is supplied with an allen key in order to open the valve at the end of the tube.

Any end fitting can be installed, making it possible to adjust the force when the spring is fitted in the application. In this way, it is possible to estimate an equivalent gas spring with the appropriate fixed force.

Another common area of use is in applications where load can vary from case to case.

Force adjustment instructions

1. The piston rod must always be pointing downwards when the force is adjusted.
2. Ensure that the valve screw is directed away from you and others when you start the opening process.
3. Open the valve by turning the screw very slowly and carefully anti-clockwise ¼ turn or until you can hear a weak hissing noise. Be prepared to turn the screw back slightly in the opposite direction when you hear the hissing.
4. Do not use excessive force when closing as you may damage the valve.

NB

Force can only be reduced on this type of gas spring. Once the pressure in the spring has been reduced, Lesjöfors cannot accept returns under any circumstances.