Datasheet

Si-522 EN

LDC, Locking Device Close position
LDO, Locking Device Open position
Somas Actuators

Edition: 2023-12

- **LDC locks the actuator in closed position**
- **LDO locks the actuator in open position**
- **Easy to use**
- **Easy to install**



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Product Information

Somas actuators are designed to be the best in control and on/off applications. The type A pneumatic actuators are specifically made to fit the Somas range of valves. They can also be used with most 90° rotary valves.

For extra safety during work and repairs, Somas offers a locking device that enables the actuator to be locked. The locking units are delivered as AISI 316L and are ATEX approved.

For locking in the closed position, the LDC variant is available.
The LDC locking unit is available for Somas actuators type DA and SC and can be retrofitted to actuators without a locking device.

For locking the actuator in the open position, the LDO variant is available.
The LDO locking unit is offered for Somas actuators type DA with double cylinders and can be retrofitted to actuators without a locking device.



Locking unit in Unlocked position



Locking unit in Locked position

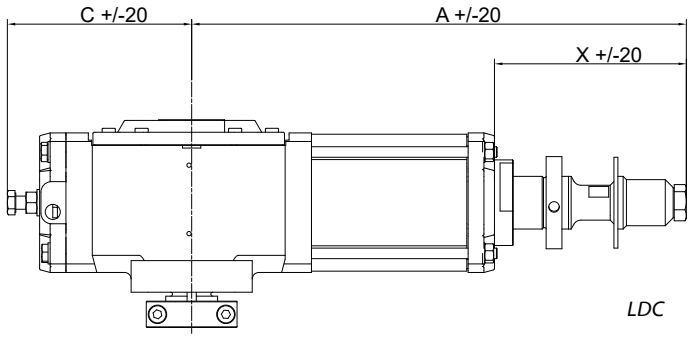
Locking unit LDC and LDO

It is possible to retrofit the LDC and LDO Locking unit to an existing actuator. The locking units are delivered as AISI 316L and is ATEX approved. For complete dimensional data for each actuator, see data sheet Si-503.

Measures of Actuators with LDC/LDO locking device

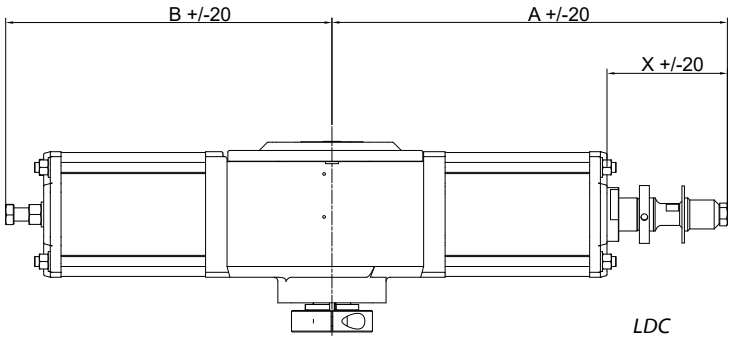
Actuator type DA double acting LDC

Type	A	B	C	X
A11-F07	345	-	90	145
A13-F07	365	-	90	145
A21-F10	375	-	140	145
A22-F10	255	260	-	145
A23-F10	400	-	140	145
A24-F10	400	310	-	145
A31-F14	480	-	215	145
A32-F14	480	395	-	145
A33-F14	575	-	215	145
A34-F14	595	485	-	145
A41-F16	675	-	315	145
A42-F16	675	560	-	145
A43-F16	760	-	315	160
A44-F16	760	695	-	160
A51-F30	825	-	370	160
A52-F30	825	760	-	160



Actuator type (SC) Single Acting LDC

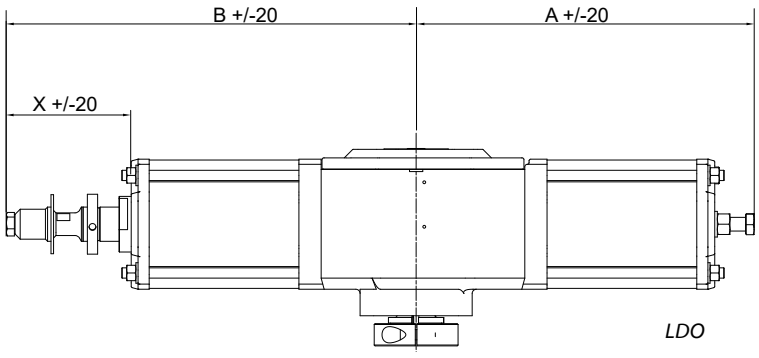
Type	A	B	C	X
A13-F07	365	-	90	145
A23-F10	515	-	140	145
A24-F10	505	420	-	145
A33-F14	790	-	215	145
A34-F14	790	680	-	145
A43-F16	1005	-	315	160
A44-F16	1005	935	-	160



X= Length of locking device.
Measure may vary depending of adjustment.

Actuator type (DA) double cylinders LDO

Type	A	B	X
A22-F10	255	400	145
A24-F10	305	450	145
A32-F14	380	525	145
A34-F14	470	615	145
A42-F16	545	690	145
A44-F16	680	840	160
A52-F30	745	905	160



Actuator type (SO) Single Acting LDO

Type	A	B	X
A24-F10	415	565	145
A34-F14	665	825	145
A44-F16	925	1095	160

X= Length of locking device.
Measure may vary depending of adjustment.

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