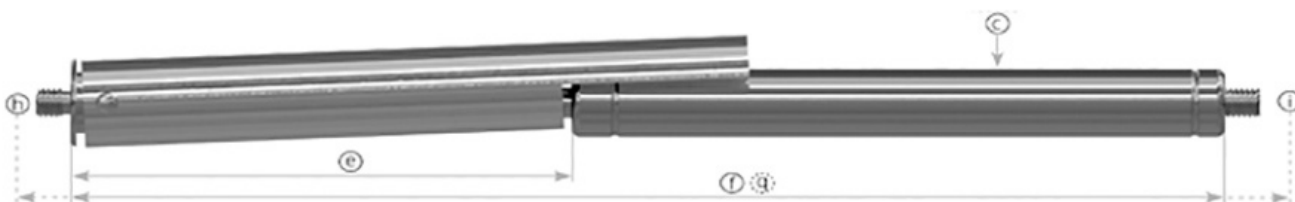
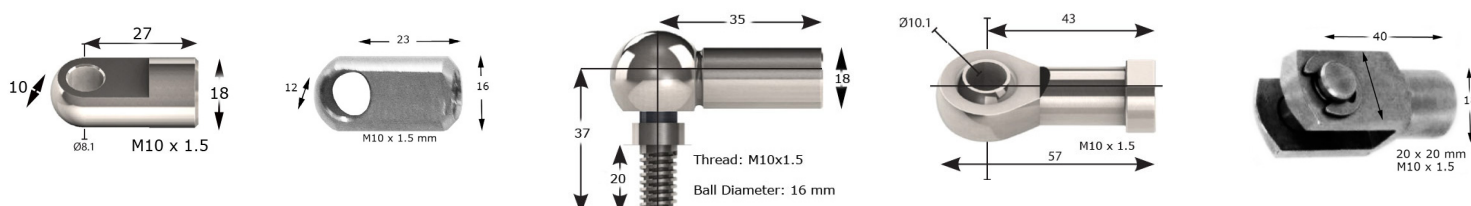
**Gas springs with Locking Sleeve** - featuring 10-23 series stainless steel gas springs

For applications that require extra safety by locking the hatch in an open position.

To close the hatch, release sleeve by depressing it. Hatch may have to be slightly lifted to allow for release the sleeve



The swivel mounted threaded rod allows the sleeve to be pushed to one side and automatically lock in open position.



#62.127 Eye M10x27

#62.123L M10x23

#62.135 Ball Joint M10x35

62.443 Ball Swivel End M10x43

#62.140 Fork M10x43

10-23 series	#	"E"	"F"	"B"	62.819	62.827	62.830	Newton Force
Part ID+ Locking tube	Series 10-23-stainless steel gas spring with valve and protection tube	Stroke Length in mm	Total length without attachments with locking tube (not counting the thread) 2 x stroke+15+45 mm)	Sleeve length 35.5 mm + rod length	Short eyes, Add 2 x 19 mm	big eyes, add 2 x 27 mm	Ball joints, add 2 x 30 mm	Thread size M8 x 1.25 Newton Force per rod length
61.L110	Extended	100mm	260 mm	135.5 mm	298 mm	314 mm	320 mm	M8; 100N-1250N
	Compressed	100 mm	160 mm		198 mm	214 mm	220 mm	M8; 100N-1250N
61.L150	Extended	150 mm	360 mm	221 mm	398 mm	414 mm	420 mm	M8; 100N-1250N
	Compressed	150 mm	210 mm		248 mm	264 mm	270 mm	M8; 100N-1250N
61.L120	Extended	200 mm	460 mm	235.5 mm	498 mm	514 mm	520 mm	M8; 100N-1250N
	Compressed	200 mm	260 mm		298 mm	314 mm	320 mm	M8; 100N-1250N
61.L125	Extended	250 mm	560 mm	285.5 mm	598 mm	614 mm	620 mm	M8; 100N-1000N
	Compressed	250 mm	310 mm		348 mm	364 mm	370 mm	M8; 100N-1000N
61.L130	Extended	300 mm	660 mm	335.5 mm	698 mm	714 mm	720 mm	M8; 100N-800N
	Compressed	300 mm	360 mm		398 mm	414 mm	420 mm	M8; 100N-800N
61.L135	Extended	350 mm	760 mm	385.5 mm	698 mm	814 mm	820 mm	M8; 100N-700N
	Compressed	350 mm	410 mm		448 mm	464 mm	470 mm	M8; 100N-700N
61.L140	Extended	400 mm	860 mm	435.5 mm	898 mm	914 mm	920 mm	M8; 100N-700N
	Compressed	400 mm	460 mm		498 mm	514 mm	520 mm	M8; 100N-700N

***10-23 Series gas spring are supplied with protection tube when force is above nominal set force**Maximum force depends on rod length
See table.

1250N* (275 lb.)*



Minimum charge in Newtons

100N (22 lb.)

*For custom sizes and special forces please email our office.

10-23 Series Gas Spring with Locking Tube

Recommended to use one locking gas spring and one standard gas spring in combination on one hatch. The sleeve automatically locks into place.

Release by depressing the sleeve

10-23 Series Gas Spring with Locking Tube.

A Locking tube prevent that the hatch will close down during operation. Maximum force with locking tube depends on the length of the stroke: See table above.

Add 15 mm to the overall length of the gas spring when using a locking tube on an existing standard 10-23 series gas spring

	size 3: length of hatch:	gas spring ID	weight hatch	size 1: hatch bracket to hinge pin:	size 2: Coaming bracket to hinge pin with balljoints installed:
	600 mm ~ 23 1/2"	10-23-150 mm	132 lbs	125 mm ~ 5"	396 mm ~ 15 1/2"
	800 mm ~ 31 1/2"	10-23-200 mm	132 lbs	175 mm ~ 6 7/8"	495 mm ~ 19 1/2"
	1000mm ~ 39 1/2"	10-23-250 mm	132 lbs	225 mm ~ 8 7/8"	595 mm ~ 23 1/2"
	1200 mm ~ 47 1/4"	10-23-300 mm	132 lbs	270 mm ~ 10 1/2"	690 mm ~ 27 1/8"
	1400 mm ~ 55"	10-23-350 mm	132 lbs	320 mm ~ 12 1/2"	790 mm ~ 31"
	1600 mm ~ 63"	10-23-400 mm	132 lbs	365 mm ~ 14 3/4"	885 mm ~ 34 3/4"

ALWAYS INSTALL GAS SPRING WITH ROD DOWN AND CYLINDER UP