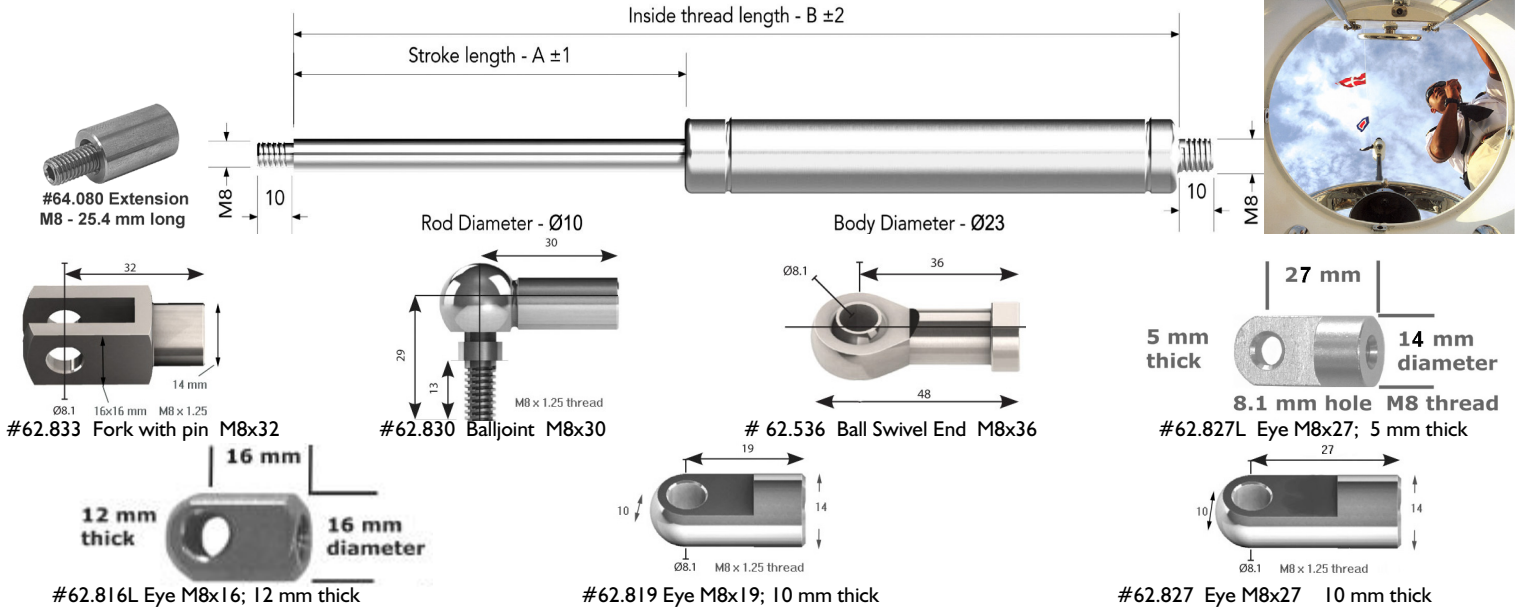
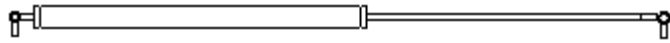




10-23 series	#	"A"	"B"	62.819	62.827	62.830	62.833	Newton Force
Part ID	Series 10-23-stainless steel gas spring with valve	Stroke Length in mm	Total length without attachments (not counting the thread) 2 x stroke+ 45 mm)	Short eyes, add 2 x 19 mm	big eyes, add 2 x 27 mm	Ball joints, add 2 x 30 mm	Forks Add 2 x 32 mm	Thread size M8 x 1.25 Newton Force per rod length
61.110	Extended	100mm	245 mm	283 mm	299 mm	305 mm	309 mm	M8; 100N-1250N
	Compressed	100 mm	145 mm	183 mm	199 mm	205 mm	209 mm	M8; 100N-1250N
61.150	Extended	150 mm	345 mm	383 mm	399 mm	405 mm	409 mm	M8; 100N-1250N
	Compressed	150 mm	195 mm	233 mm	249 mm	255 mm	259 mm	M8; 100N-1250N
61.120	Extended	200 mm	445 mm	483 mm	499 mm	505 mm	509 mm	M8; 100N-1250N
	Compressed	200 mm	245 mm	283 mm	299 mm	305 mm	309 mm	M8; 100N-1250N
61.125	Extended	250 mm	545 mm	583 mm	599 mm	605 mm	609 mm	M8; 100N-1100N*
	Compressed	250 mm	295 mm	333 mm	349 mm	355 mm	359 mm	M8; 100N-1100N*
61.130	Extended	300 mm	645 mm	683 mm	699 mm	705 mm	709 mm	M8; 100N-900N*
	Compressed	300 mm	345 mm	383 mm	399 mm	405 mm	409 mm	M8; 100N-900N*
61.135	Extended	350 mm	745 mm	683 mm	799 mm	805 mm	809 mm	M8; 100N-700N*
	Compressed	350 mm	395 mm	433 mm	449 mm	455 mm	459 mm	M8; 100N-700N*
61.140	Extended	400 mm	845 mm	883 mm	899 mm	905 mm	909 mm	M8; 100N-500N*
	Compressed	400 mm	445 mm	483 mm	499 mm	505 mm	509 mm	M8; 100N-500N*
61.P400	W. PROTECTION TUBE	400 mm	848 mm	886 mm	902 mm	908 mm	912 mm	M8; 100N-1200N*

*10-23 Series gas spring are supplied with protection tube when force is above nominal set force

Maximum force depends on rod length	1250N* (275 lb.)*	Check also pages 6-0-2-0 and 6-0-2-1 for force calculation
Minimum charge in Newtons	100N (22 lb.)	*For custom sizes please call office.



10-23 Series Gas Spring with Protection Tube

10-23 Series Gas Spring with Protection Tubes. See page 6-7-B Protection tubes offer higher bending resistance and protection against dust, dirt and scratching.

If 10-23 series gas springs are ordered with above nominal force (see table above for max allowed nominal force) a protection tube is supplied. Maximum force with protection tube: 1200N (264lb.)

	size 3:	gas spring ID	weight hatch	size 1:	size 2:
	length of hatch:		up to:	hatch bracket to hinge pin:	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"