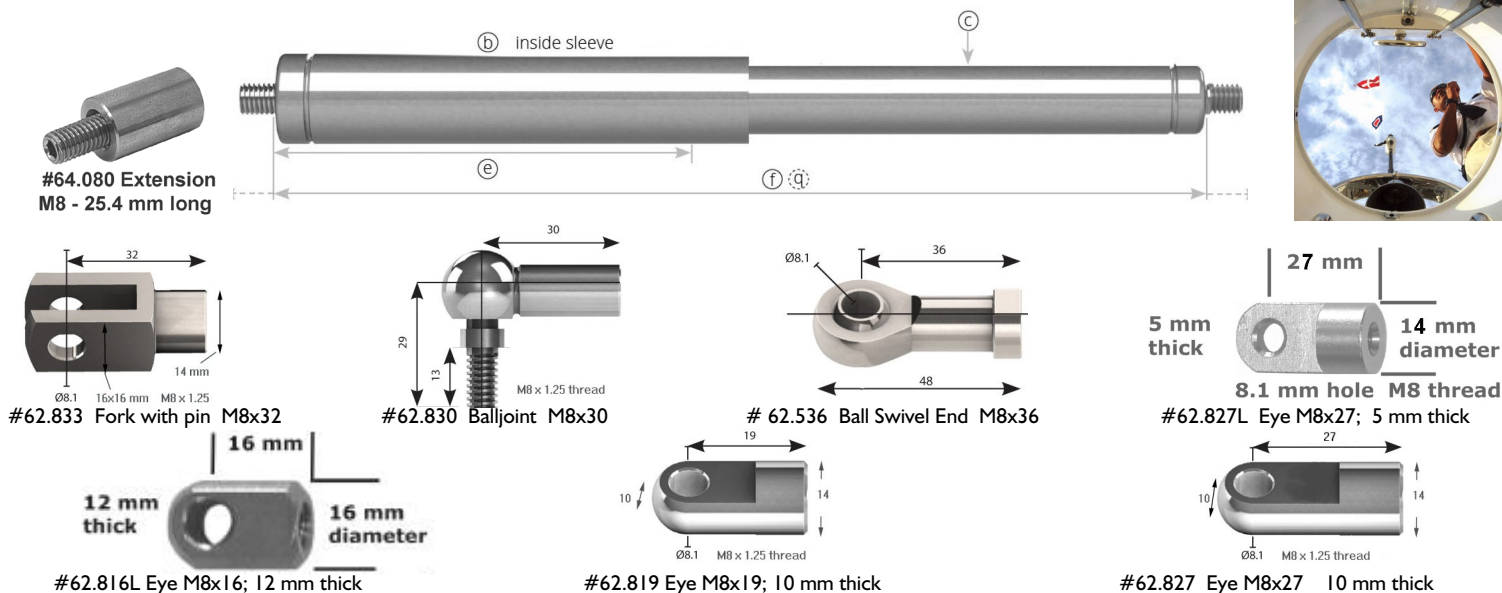


GAS SPRING 10-23 SERIES WITH PROTECTION TUBE ADDS 15 MM TO OVERALL LENGTH



10-23 series	#	"E"	"F"	"B"	62.819	62.827	62.830	Newton Force
Part ID +_Protection tube	Series 10-23-stainless steel gas spring with valve and protection tube	Stroke Length in mm	Total length without attachments with protection 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
10-23-100	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
10-23-150	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
10-23-200	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
10-23-250	Extended	250 mm	560 mm	285.5 mm	598 mm	614 mm	620 mm	M8; 100N-1250N
	Compressed	250 mm	310 mm		348 mm	364 mm	370 mm	M8; 100N-1250N
10-23-300	Extended	300 mm	660 mm	335.5 mm	698 mm	714 mm	720 mm	M8; 100N-1250N
	Compressed	300 mm	360 mm		398 mm	414 mm	420 mm	M8; 100N-1250N
10-23-350	Extended	350 mm	760 mm	385.5 mm	698 mm	814 mm	820 mm	M8; 100N-1250N
	Compressed	350 mm	410 mm		448 mm	464 mm	470 mm	M8; 100N-1250N
10-23-400	Extended	400 mm	860 mm	435.5 mm	898 mm	914 mm	920 mm	M8; 100N-1250N
	Compressed	400 mm	460 mm		498 mm	514 mm	520 mm	M8; 100N-1250N

*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.)*
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.

Protection tubes offer higher bending resistance and protection against dust, dirt and scratching.

Certain sizes 10-23 series gas springs charged with High Pressure require a with Protection Tubes against bending.

Check on standard 10-23 series gas springs for details.

Maximum force with protection tube: 1250N (275lbs.)

Add 15 mm to the overall length when using a protection tube

	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"

ALWAYS INSTALL GAS SPRING WITH ROD DOWN AND CYLINDER UP